Full wwPDB X-ray Structure Validation Report ⓘ

Aug 5, 2026 – 10:28 PM EDT

PDB ID	:	6PGK / pdb_00006pgk
Title	:	Membrane Protein Megahertz Crystallography at the European XFEL, Photosystem I XFEL at 2.9 A
Authors	:	Fromme, R.; Gisriel, C.; Fromme, P.
Deposited on	:	2019-06-24
Resolution	:	2.90 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

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

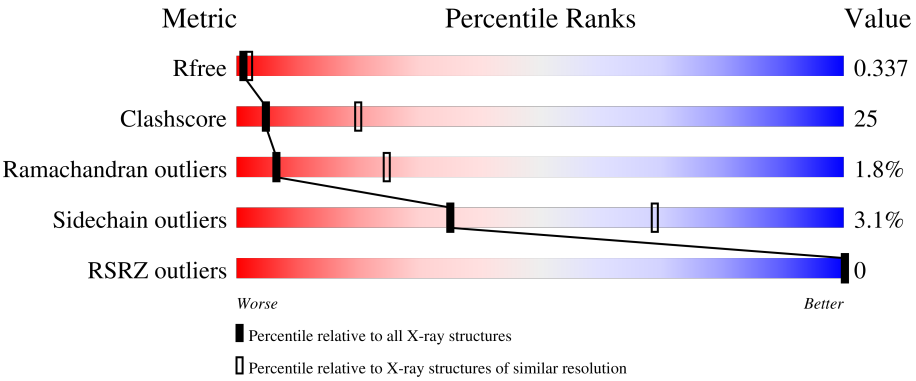
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.90 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	2481 (2.90-2.90)
Clashscore	190562	2690 (2.90-2.90)
Ramachandran outliers	187476	2623 (2.90-2.90)
Sidechain outliers	187428	2625 (2.90-2.90)
RSRZ outliers	180081	2481 (2.90-2.90)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	755	55% 42%
1	G	755	52% 45%
1	Y	755	48% 47%
2	B	741	53% 44%
2	H	741	53% 45%

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Mol	Chain	Length	Quality of chain
2	Z	741	52% 46% •
3	C	81	56% 38% 5% •
3	N	81	59% 37% • •
3	a	81	59% 38% ••
4	D	139	57% 38% • •
4	O	139	68% 27% • •
4	b	139	60% 35% • •
5	E	76	61% 26% • 9%
5	P	76	59% 29% • 9%
5	c	76	68% 17% 5% 9%
6	F	164	54% 30% • 14%
6	Q	164	54% 31% • 14%
6	d	164	50% 35% • 14%
7	I	38	47% 53%
7	R	38	63% 37%
7	e	38	58% 42%
8	J	41	37% 63%
8	S	41	51% 44% 5%
8	f	41	46% 51% •
9	K	83	19% 34% •• 45%
9	T	83	20% 30% 5% 45%
9	g	83	29% 22% 5% 45%
10	L	155	59% 35% • •
10	U	155	59% 37% • •
10	h	155	60% 34% • •

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Mol	Chain	Length	Quality of chain
11	M	31	58% 35%
11	V	31	58% 39%
11	i	31	55% 39%
12	W	39	38% 26% 33%
12	X	39	46% 18% 33%
12	j	39	41% 26% 33%

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
14	CLA	H	801	-	-	X	-
16	SF4	C	101	-	-	X	-
16	SF4	C	102	-	-	X	-
16	SF4	N	102	-	-	X	-

2 Entry composition (i)

There are 21 unique types of molecules in this entry. The entry contains 72532 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	741	Total	C	N	O	S	0	0	0
			5791	3799	989	977	26			
1	G	741	Total	C	N	O	S	0	0	0
			5791	3799	989	977	26			
1	Y	741	Total	C	N	O	S	0	0	0
			5791	3799	989	977	26			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	B	739	Total	C	N	O	S	0	0	0
			5889	3876	987	1005	21			
2	H	739	Total	C	N	O	S	0	0	0
			5889	3876	987	1005	21			
2	Z	739	Total	C	N	O	S	0	0	0
			5889	3876	987	1005	21			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	N	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	a	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	D	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	O	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	b	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
5	E	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	P	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	c	69	Total	C	N	O	0	0	0
			539	342	93	104			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	F	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	Q	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	d	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	I	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	R	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	e	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	J	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	S	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	f	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	K	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			
9	T	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			
9	g	46	Total	C	N	O	S	0	0	0
			328	214	57	56	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	L	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	U	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	h	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L	143	LEU	SER	conflict	UNP Q8DGB4
U	143	LEU	SER	conflict	UNP Q8DGB4
h	143	LEU	SER	conflict	UNP Q8DGB4

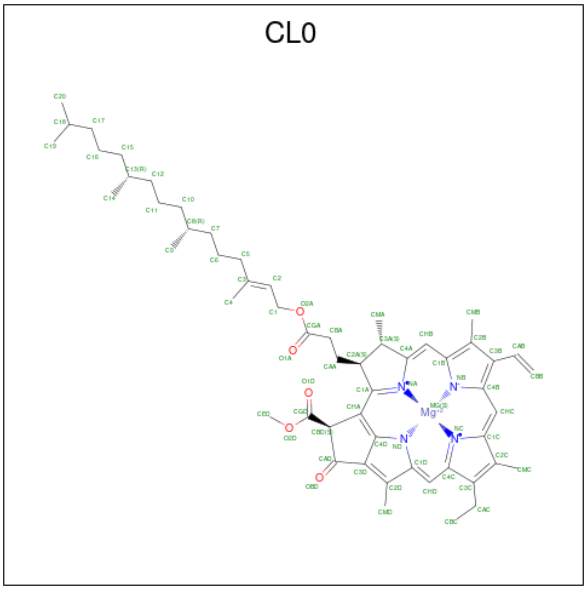
- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
11	M	30	Total	C	N	O	0	0	0
			233	156	35	42			
11	V	30	Total	C	N	O	0	0	0
			233	156	35	42			
11	i	30	Total	C	N	O	0	0	0
			233	156	35	42			

- Molecule 12 is a protein called Photosystem I 4.8K protein.

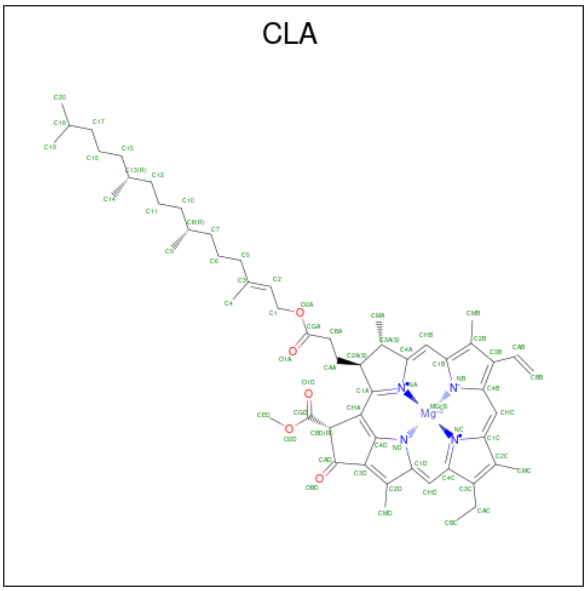
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	W	26	Total 219	C 157	N 31	O 31	0	0	0
12	X	26	Total 219	C 157	N 31	O 31	0	0	0
12	j	26	Total 219	C 157	N 31	O 31	0	0	0

- Molecule 13 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
13	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
13	G	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
13	Y	1	Total 65	C 55	Mg 1	N 4	O 5	0	0

- Molecule 14 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	F	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	G	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	H	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	J	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	K	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	K	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Q	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Q	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	S	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	T	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	T	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	U	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	U	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	U	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	U	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	V	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	W	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	X	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Y	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Y	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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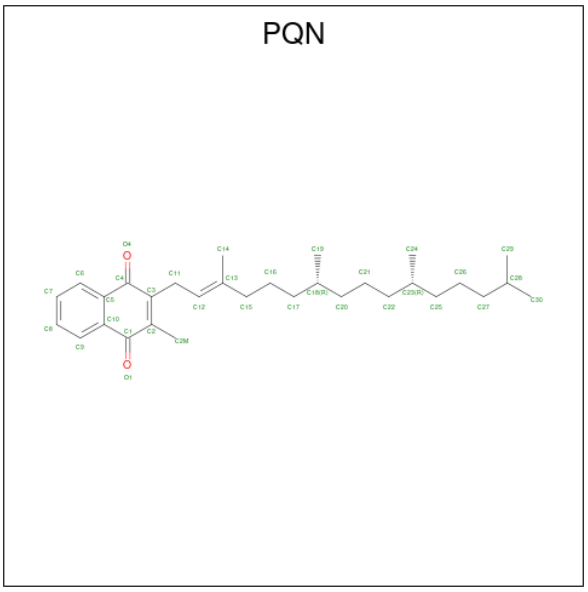
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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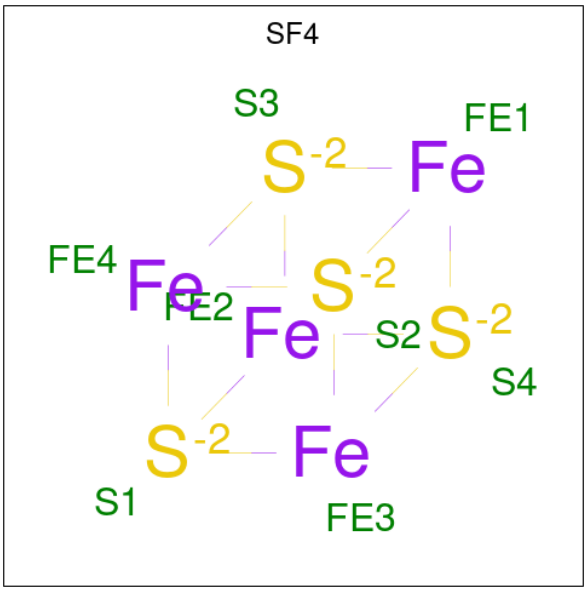
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	d	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	d	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	f	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	f	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	g	1	Total	C	Mg	N	O	0	0
			41	33	1	4	3		
14	g	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	h	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	j	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

- Molecule 15 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$) (labeled as "Ligand of Interest" by depositor).



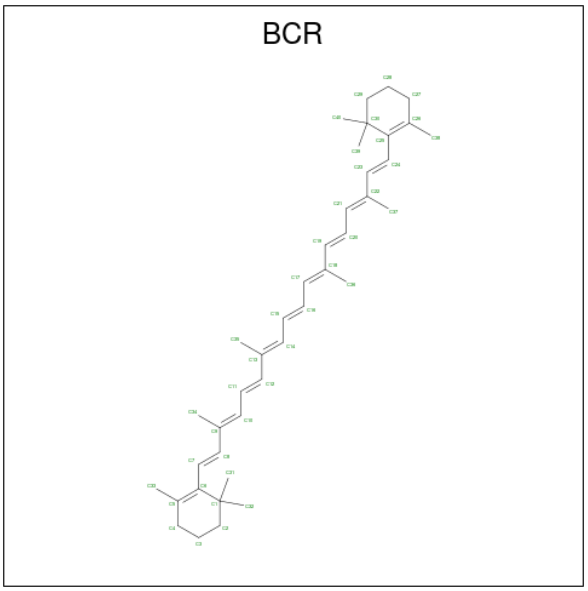
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
15	A	1	Total C O 33 31 2	0	0
15	B	1	Total C O 33 31 2	0	0
15	G	1	Total C O 33 31 2	0	0
15	H	1	Total C O 33 31 2	0	0
15	Y	1	Total C O 33 31 2	0	0
15	Z	1	Total C O 33 31 2	0	0

- Molecule 16 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A	1	Total Fe S 8 4 4	0	0
16	C	1	Total Fe S 8 4 4	0	0
16	C	1	Total Fe S 8 4 4	0	0
16	G	1	Total Fe S 8 4 4	0	0
16	N	1	Total Fe S 8 4 4	0	0
16	N	1	Total Fe S 8 4 4	0	0
16	Y	1	Total Fe S 8 4 4	0	0
16	a	1	Total Fe S 8 4 4	0	0
16	a	1	Total Fe S 8 4 4	0	0

- Molecule 17 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	A	1	Total C 40 40	0	0
17	B	1	Total C 30 30	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 25 25	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	B	1	Total C 40 40	0	0
17	F	1	Total C 40 40	0	0
17	F	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	G	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 25 25	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	H	1	Total C 40 40	0	0
17	I	1	Total C 40 40	0	0
17	J	1	Total C 40 40	0	0
17	J	1	Total C 40 40	0	0
17	K	1	Total C 40 40	0	0
17	L	1	Total C 40 40	0	0
17	L	1	Total C 40 40	0	0
17	L	1	Total C 40 40	0	0
17	M	1	Total C 40 40	0	0

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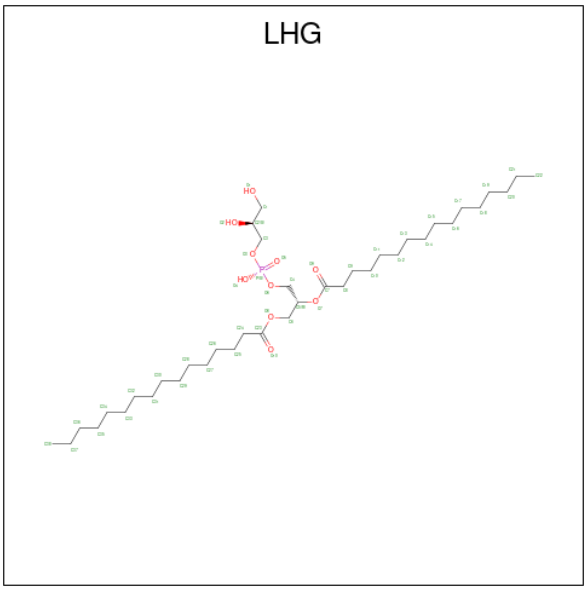
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Q	1	Total C 40 40	0	0
17	Q	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	S	1	Total C 40 40	0	0
17	T	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	V	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Y	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 25 25	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Z	1	Total C 40 40	0	0
17	Z	1	Total C 40 40	0	0
17	d	1	Total C 40 40	0	0
17	e	1	Total C 40 40	0	0
17	f	1	Total C 40 40	0	0
17	f	1	Total C 40 40	0	0
17	f	1	Total C 40 40	0	0
17	h	1	Total C 40 40	0	0
17	h	1	Total C 40 40	0	0
17	i	1	Total C 40 40	0	0

- Molecule 18 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



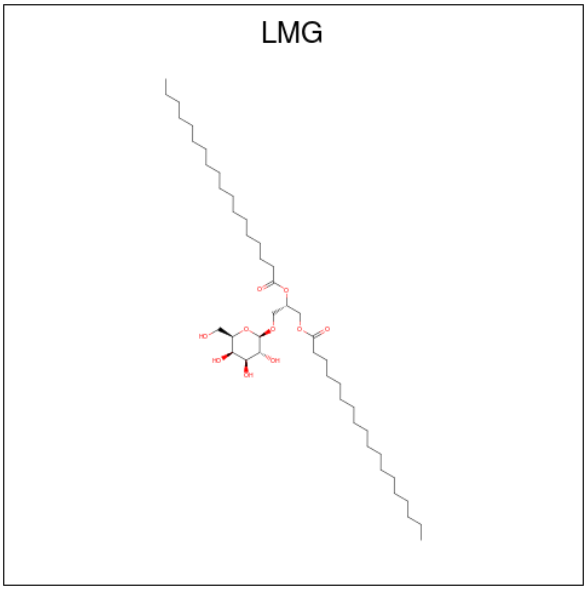
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
18	A	1	Total C O P 49 38 10 1	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
18	A	1	Total	C	O	P	0	0
			32	21	10	1		
18	B	1	Total	C	O	P	0	0
			39	28	10	1		
18	G	1	Total	C	O	P	0	0
			49	38	10	1		
18	G	1	Total	C	O	P	0	0
			32	21	10	1		
18	H	1	Total	C	O	P	0	0
			37	26	10	1		
18	Y	1	Total	C	O	P	0	0
			49	38	10	1		
18	Y	1	Total	C	O	P	0	0
			25	14	10	1		
18	j	1	Total	C	O	P	0	0
			28	17	10	1		

- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
19	B	1	Total	C	O	0	0
			52	42	10		
19	H	1	Total	C	O	0	0
			49	39	10		
19	Z	1	Total	C	O	0	0
			49	39	10		

- Molecule 20 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
20	L	1	Total Ca 1 1	0	0
20	U	1	Total Ca 1 1	0	0
20	h	1	Total Ca 1 1	0	0

- Molecule 21 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
21	A	9	Total O 9 9	0	0
21	B	9	Total O 9 9	0	0
21	C	1	Total O 1 1	0	0
21	D	2	Total O 2 2	0	0
21	E	1	Total O 1 1	0	0
21	G	8	Total O 8 8	0	0
21	H	3	Total O 3 3	0	0
21	J	1	Total O 1 1	0	0
21	K	1	Total O 1 1	0	0
21	L	5	Total O 5 5	0	0
21	N	1	Total O 1 1	0	0
21	O	2	Total O 2 2	0	0
21	Q	2	Total O 2 2	0	0
21	T	1	Total O 1 1	0	0
21	U	4	Total O 4 4	0	0
21	W	1	Total O 1 1	0	0

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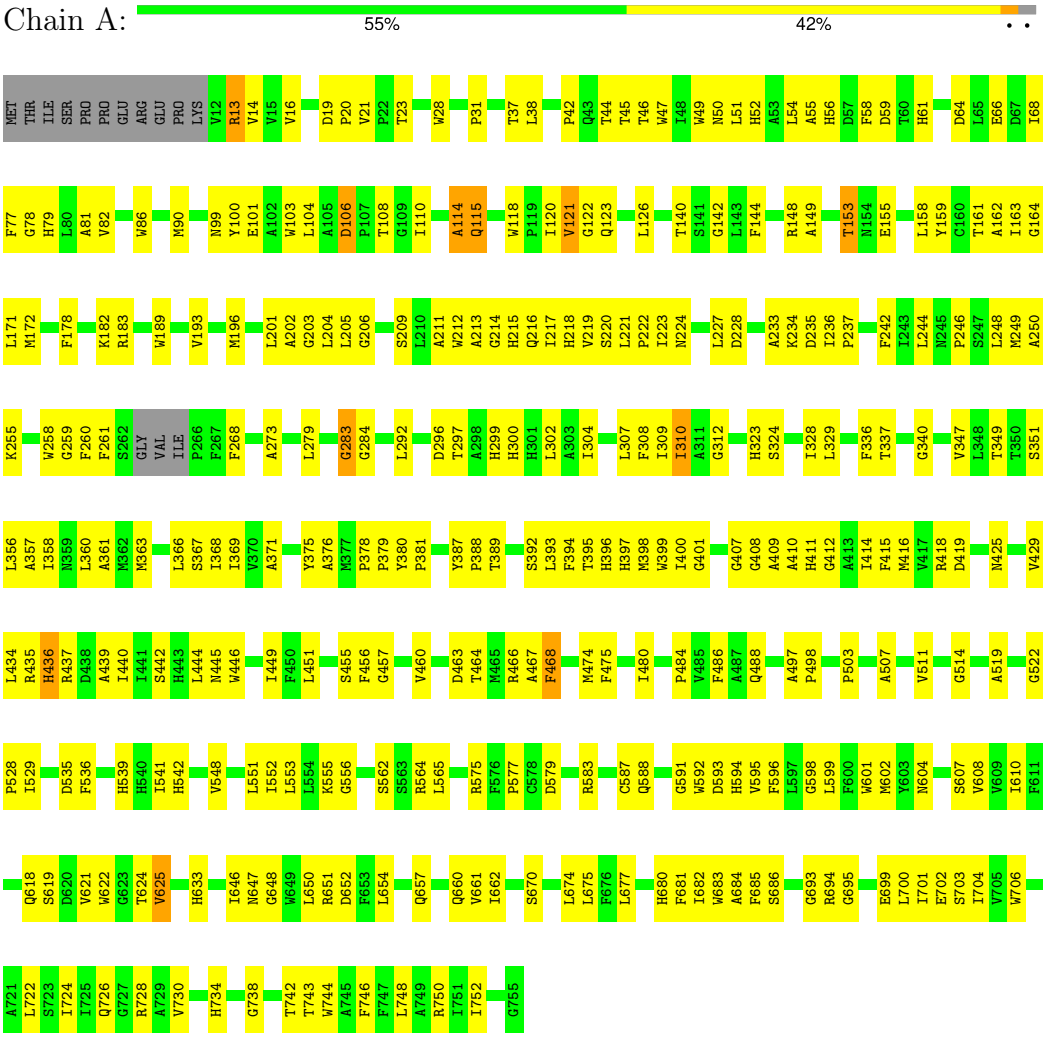
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
21	Y	8	Total O 8 8	0	0
21	Z	2	Total O 2 2	0	0
21	b	4	Total O 4 4	0	0
21	c	1	Total O 1 1	0	0
21	d	2	Total O 2 2	0	0
21	f	1	Total O 1 1	0	0
21	h	1	Total O 1 1	0	0
21	j	1	Total O 1 1	0	0

3 Residue-property plots (i)

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

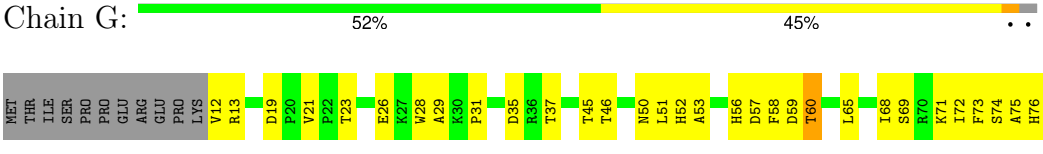
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

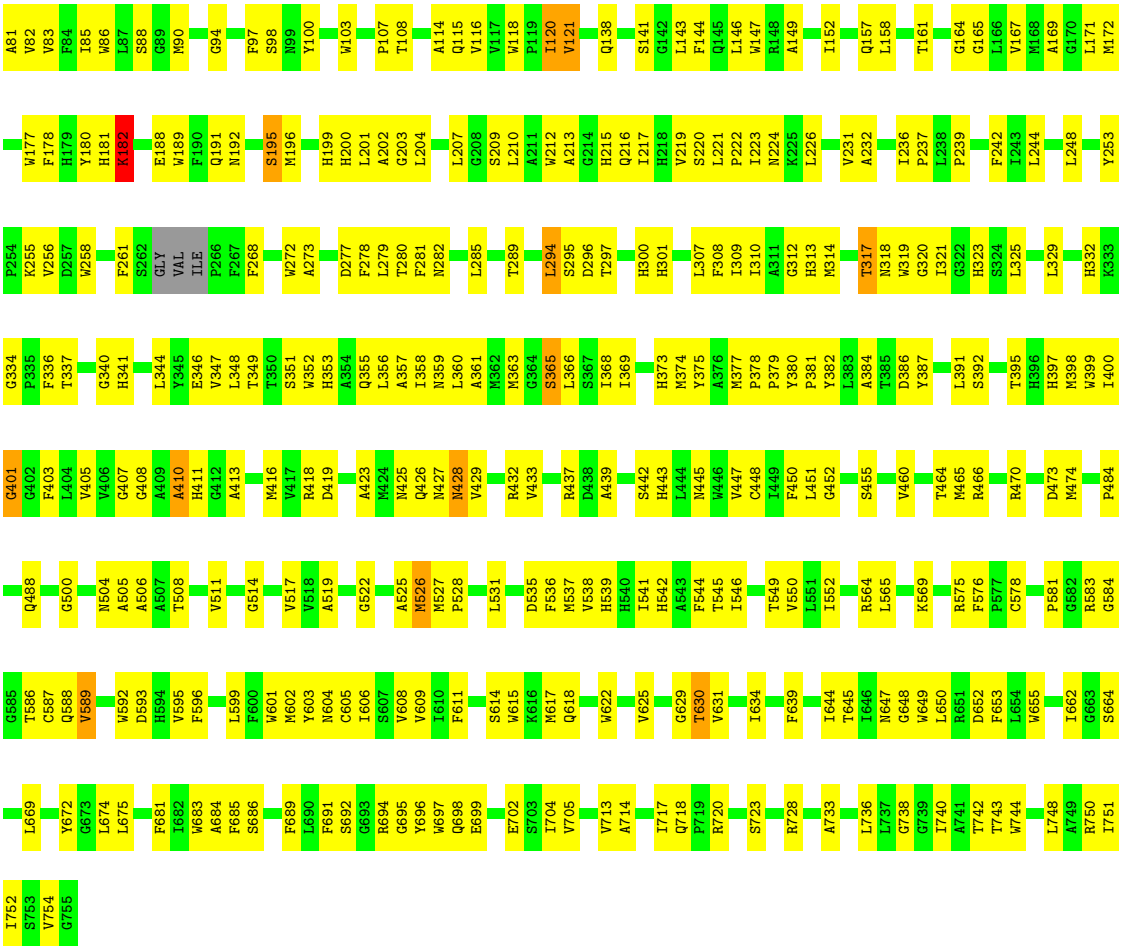
Chain A:



• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain G:

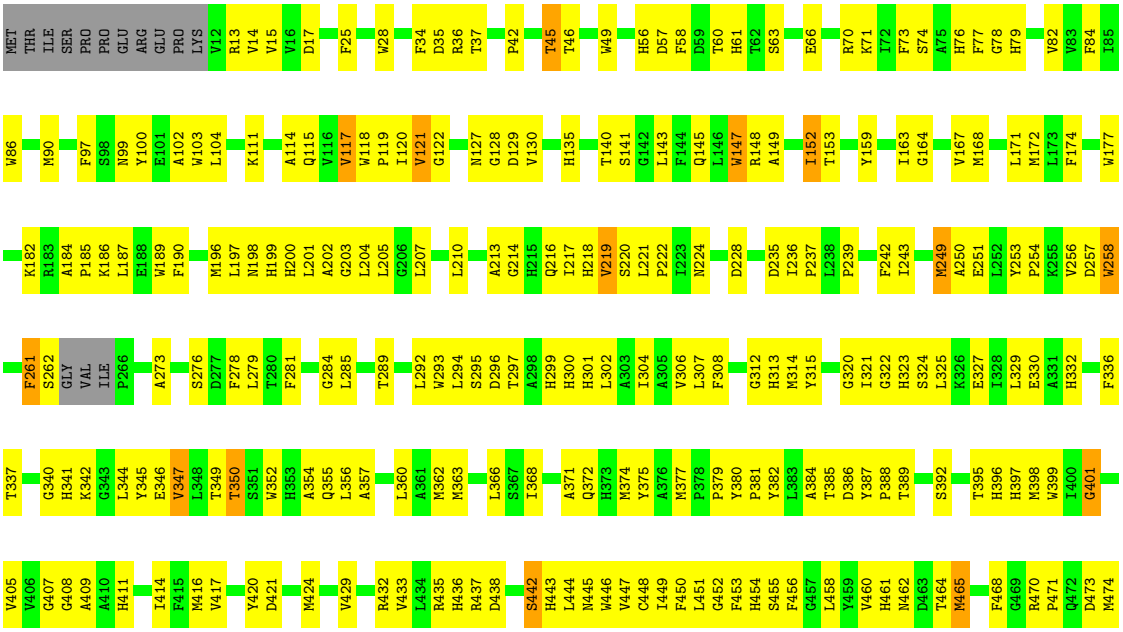


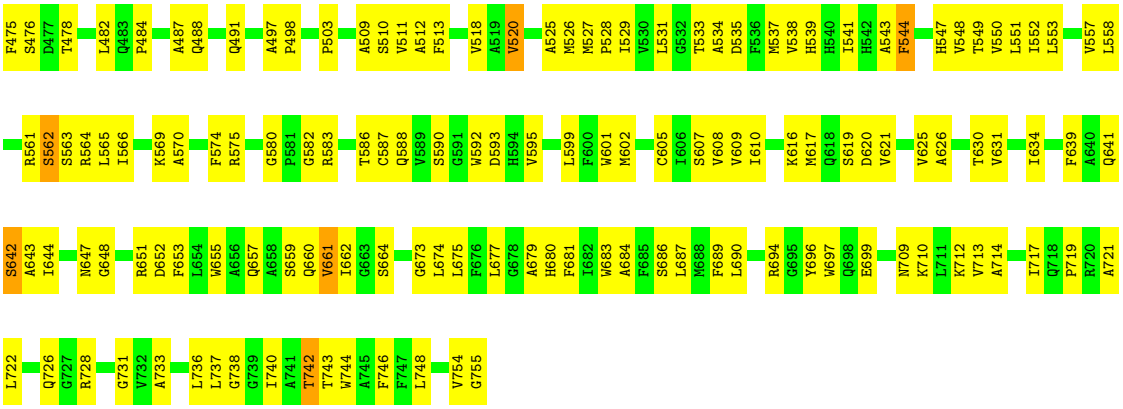


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain Y:



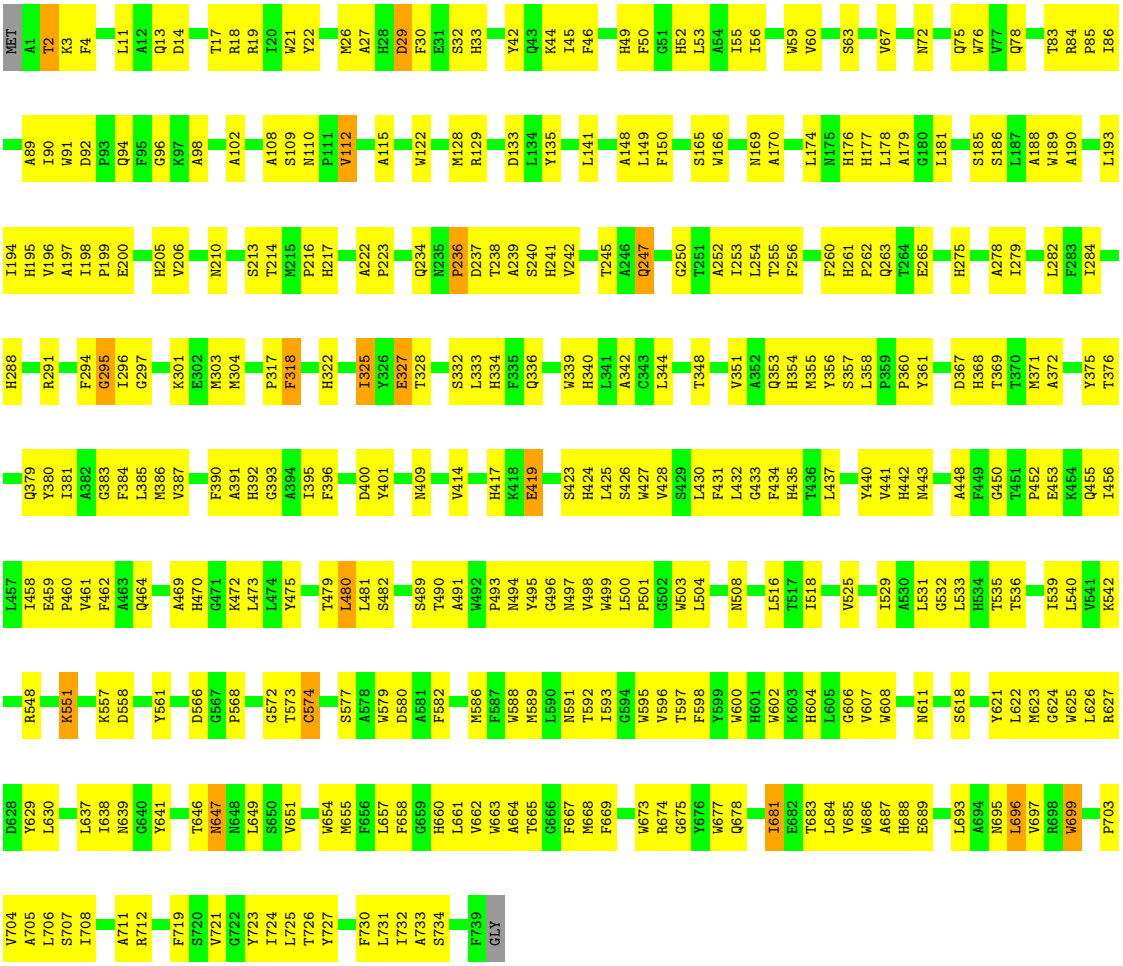




• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:

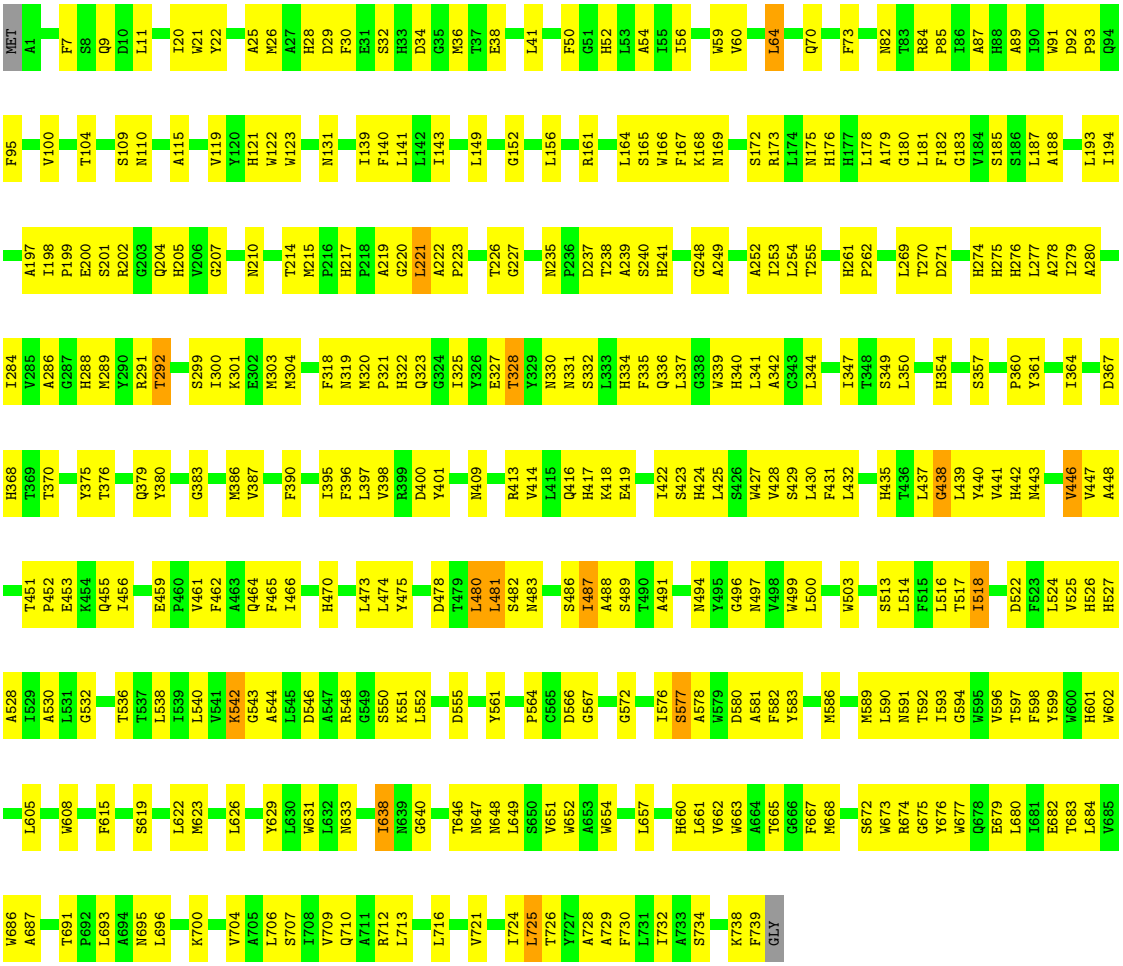




• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain H:

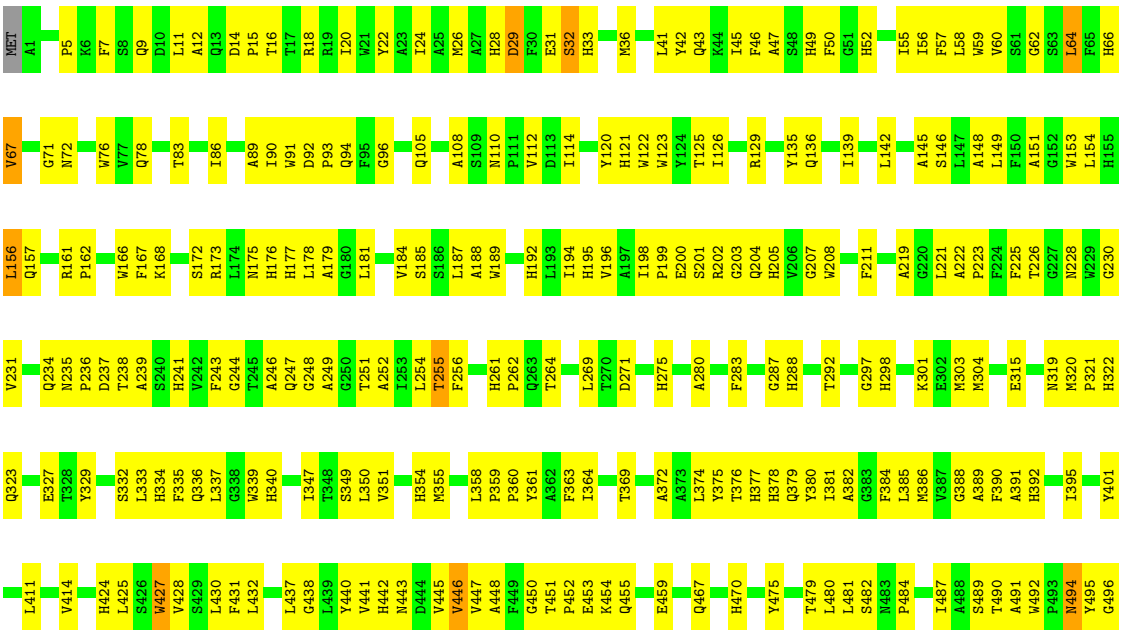


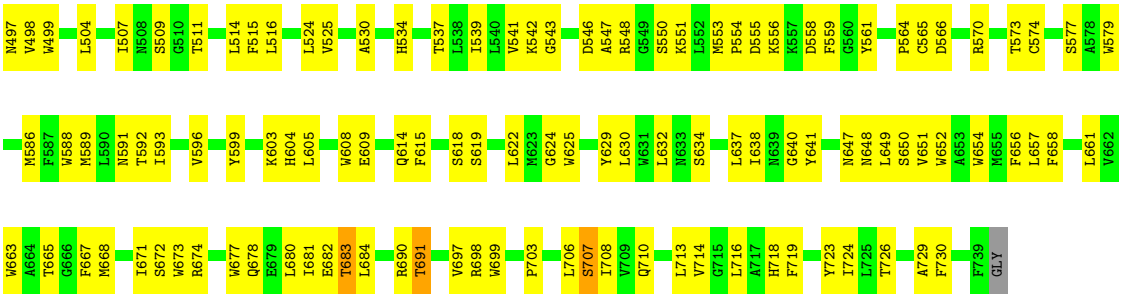


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain Z:







• Molecule 3: Photosystem I iron-sulfur center

Chain C:

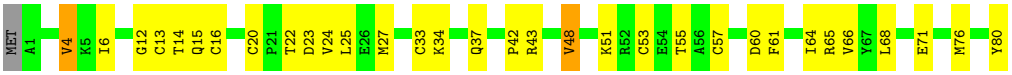




• Molecule 3: Photosystem I iron-sulfur center

Chain N:

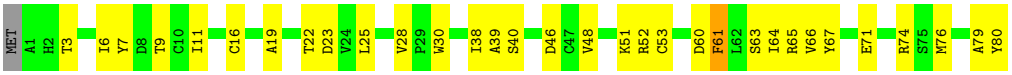




• Molecule 3: Photosystem I iron-sulfur center

Chain a:

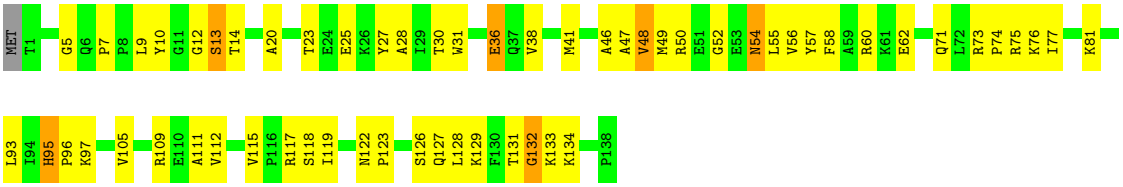




• Molecule 4: Photosystem I reaction center subunit II

Chain D:

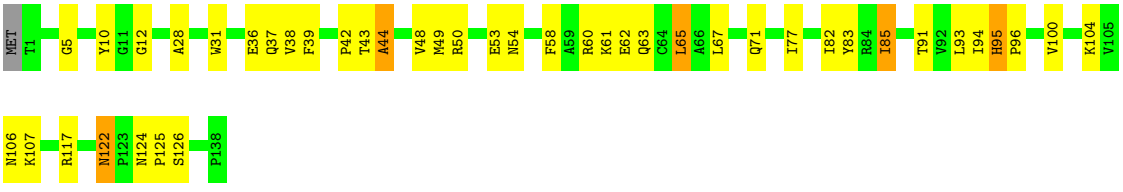




• Molecule 4: Photosystem I reaction center subunit II

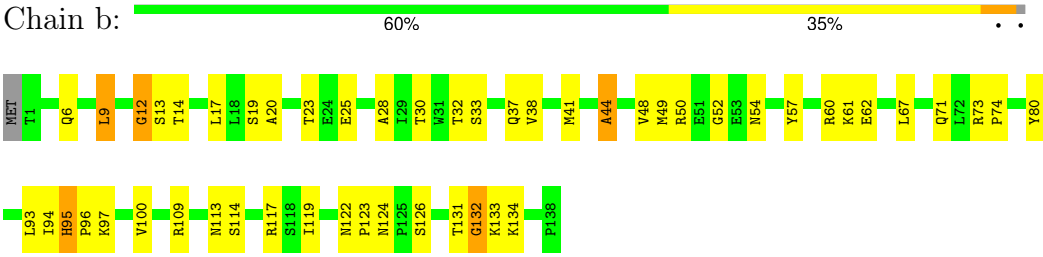
Chain O:





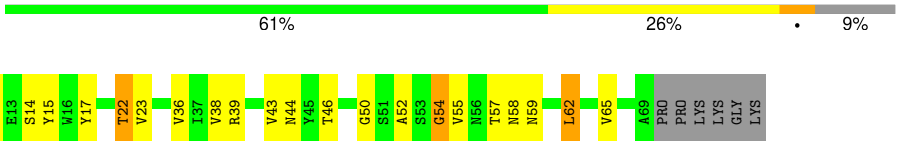
• Molecule 4: Photosystem I reaction center subunit II

Chain b:



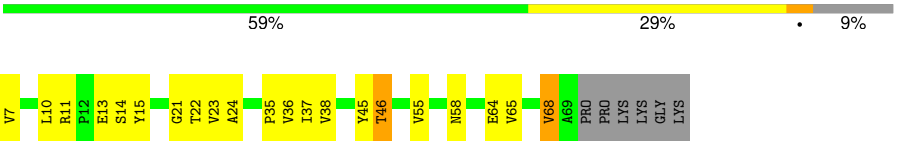
• Molecule 5: Photosystem I reaction center subunit IV

Chain E:



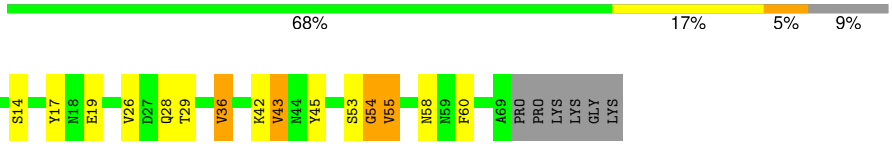
• Molecule 5: Photosystem I reaction center subunit IV

Chain P:



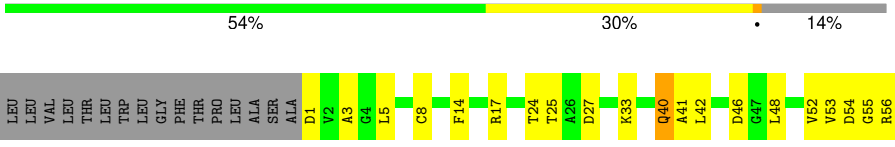
• Molecule 5: Photosystem I reaction center subunit IV

Chain c:



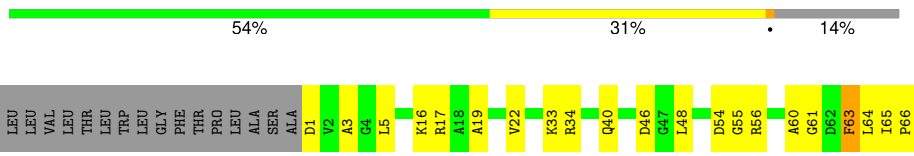
• Molecule 6: Photosystem I reaction center subunit III

Chain F:



• Molecule 6: Photosystem I reaction center subunit III

Chain Q:

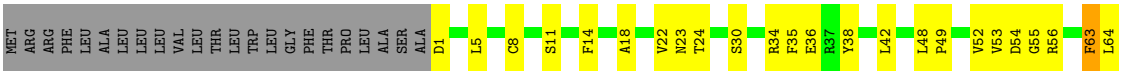




• Molecule 6: Photosystem I reaction center subunit III

Chain d:

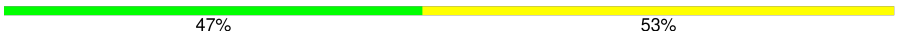


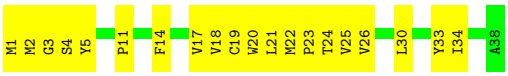




• Molecule 7: Photosystem I reaction center subunit VIII

Chain I:

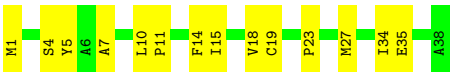




• Molecule 7: Photosystem I reaction center subunit VIII

Chain R:

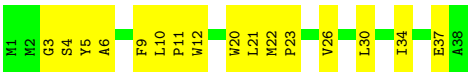




• Molecule 7: Photosystem I reaction center subunit VIII

Chain e:

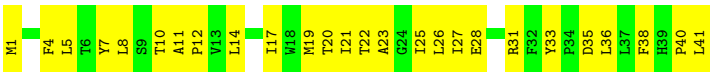




• Molecule 8: Photosystem I reaction center subunit IX

Chain J:





• Molecule 8: Photosystem I reaction center subunit IX

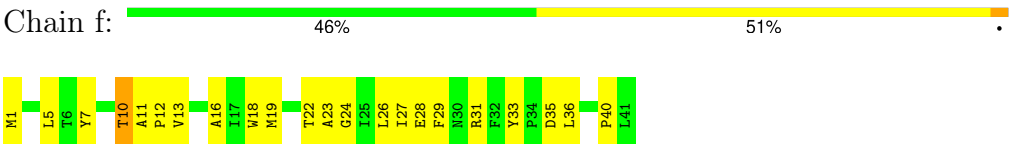
Chain S:





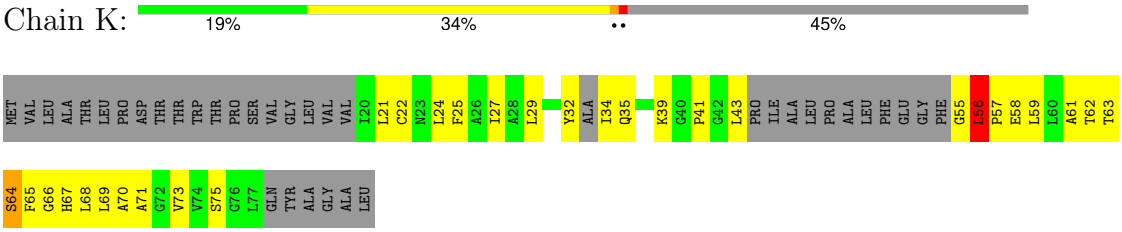
• Molecule 8: Photosystem I reaction center subunit IX

Chain f:



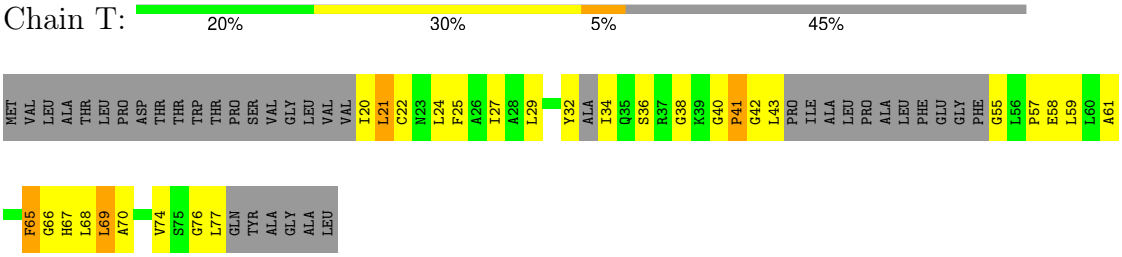
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain K:



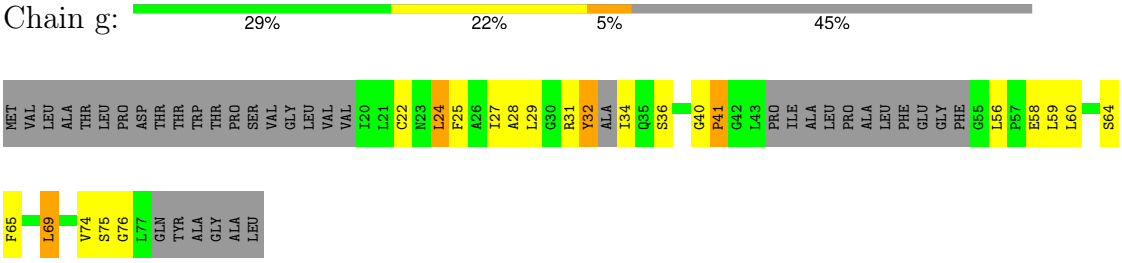
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain T:



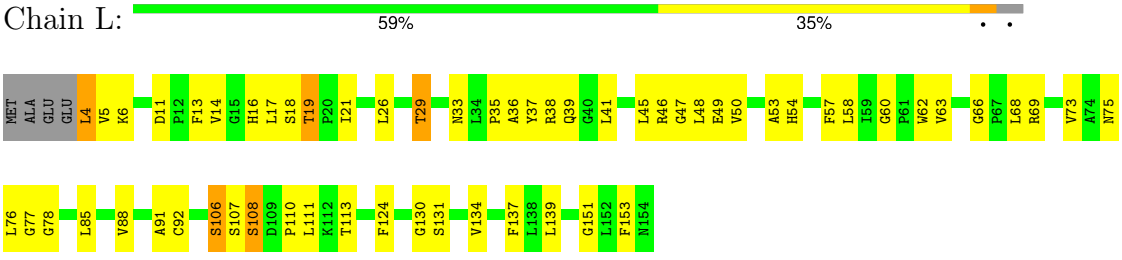
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain g:



• Molecule 10: Photosystem I reaction center subunit XI

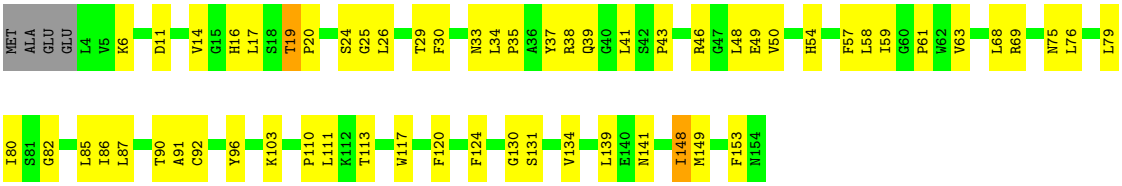
Chain L:



• Molecule 10: Photosystem I reaction center subunit XI

Chain U:

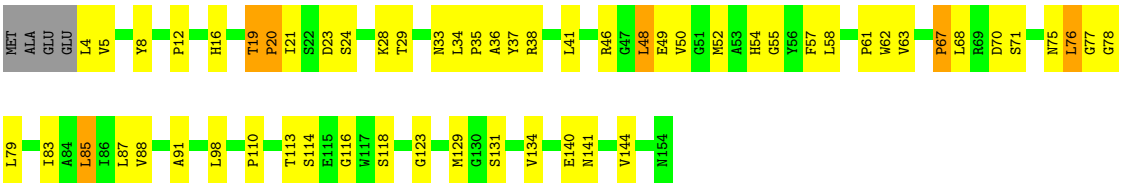




• Molecule 10: Photosystem I reaction center subunit XI

Chain h:





• Molecule 11: Photosystem I reaction center subunit XII

Chain M:

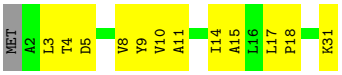




• Molecule 11: Photosystem I reaction center subunit XII

Chain V:

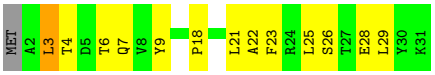




• Molecule 11: Photosystem I reaction center subunit XII

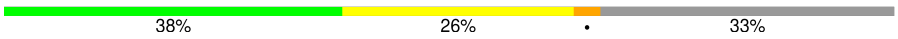
Chain i:





• Molecule 12: Photosystem I 4.8K protein

Chain W:





• Molecule 12: Photosystem I 4.8K protein

Chain X:

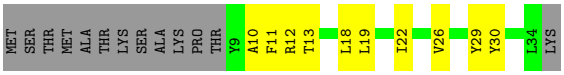




• Molecule 12: Photosystem I 4.8K protein

Chain j:





4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	279.10Å 164.60Å 284.10Å 90.00° 119.25° 90.00°	Depositor
Resolution (Å)	39.88 – 2.90 39.88 – 2.90	Depositor EDS
% Data completeness (in resolution range)	99.3 (39.88-2.90) 92.7 (39.88-2.90)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	1.04 (at 2.91Å)	Xtriage
Refinement program	REFMAC 5.8.0238	Depositor
R, R_{free}	0.298 , 0.336 0.300 , 0.337	Depositor DCC
R_{free} test set	24635 reflections (4.97%)	wwPDB-VP
Wilson B-factor (Å^2)	72.2	Xtriage
Anisotropy	0.073	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.35 , 77.9	EDS
L-test for twinning[2]	$< \|L\| > = 0.27$, $< L^2 > = 0.11$	Xtriage
Estimated twinning fraction	0.268 for -h-l,k,h 0.268 for l,k,-h-l 0.347 for h,-k,-h-l 0.260 for -h-l,-k,l 0.259 for l,-k,h	Xtriage
F_o,F_c correlation	0.93	EDS
Total number of atoms	72532	wwPDB-VP
Average B, all atoms (Å^2)	60.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.82% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

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

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	1.00	1/5990 (0.0%)	1.44	0/8168
1	G	1.00	0/5990	1.45	4/8168 (0.0%)
1	Y	1.00	0/5990	1.46	7/8168 (0.1%)
2	B	0.97	0/6107	1.42	2/8345 (0.0%)
2	H	0.99	0/6107	1.42	1/8345 (0.0%)
2	Z	0.98	0/6107	1.42	4/8345 (0.0%)
3	C	1.07	0/608	1.41	0/824
3	N	1.02	0/608	1.37	0/824
3	a	1.05	0/608	1.35	0/824
4	D	0.97	0/1101	1.30	0/1492
4	O	0.96	0/1101	1.26	0/1492
4	b	0.98	0/1101	1.28	1/1492 (0.1%)
5	E	1.04	0/551	1.29	0/750
5	P	1.03	0/551	1.26	0/750
5	c	1.03	0/551	1.30	1/750 (0.1%)
6	F	1.04	0/1087	1.45	2/1476 (0.1%)
6	Q	1.02	0/1087	1.44	2/1476 (0.1%)
6	d	1.02	0/1087	1.44	0/1476
7	I	1.00	0/312	1.41	0/425
7	R	1.01	0/312	1.33	0/425
7	e	0.95	0/312	1.38	0/425
8	J	0.98	0/350	1.38	0/477
8	S	0.98	0/350	1.47	0/477
8	f	0.97	0/350	1.45	2/477 (0.4%)
9	K	1.03	0/331	1.45	0/444
9	T	1.05	0/331	1.59	2/444 (0.5%)
9	g	1.10	0/331	1.64	0/444
10	L	1.01	0/1148	1.50	0/1558
10	U	1.02	0/1148	1.52	0/1558
10	h	1.01	0/1148	1.47	0/1558
11	M	1.01	0/236	1.43	0/322
11	V	1.04	0/236	1.54	0/322

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
11	i	1.05	0/236	1.51	0/322
12	W	0.94	0/227	1.44	0/310
12	X	0.96	0/227	1.46	0/310
12	j	0.95	0/227	1.37	0/310
All	All	1.00	1/54144 (0.0%)	1.43	28/73773 (0.0%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
9	K	0	1

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	21	VAL	N-CA	5.01	1.49	1.45

All (28) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	Z	297	GLY	CA-C-O	-6.24	117.92	122.23
4	b	12	GLY	CA-C-O	-5.78	117.61	122.29
2	B	568	PRO	CA-C-N	5.78	126.21	120.31
2	B	568	PRO	C-N-CA	5.78	126.21	120.31
6	Q	102	ASP	CA-C-N	5.76	124.94	120.33
6	Q	102	ASP	C-N-CA	5.76	124.94	120.33
9	T	65	PHE	CA-C-N	5.71	126.43	120.03
9	T	65	PHE	C-N-CA	5.71	126.43	120.03
5	c	29	THR	CB-CA-C	5.64	117.36	108.84
6	F	115	ALA	CA-C-N	5.60	126.72	120.06
6	F	115	ALA	C-N-CA	5.60	126.72	120.06
1	Y	119	PRO	CA-C-N	5.54	128.31	122.11
1	Y	119	PRO	C-N-CA	5.54	128.31	122.11
1	Y	322	GLY	CA-C-O	-5.27	118.79	122.22
1	Y	401	GLY	CA-C-N	5.22	125.73	119.94
1	Y	401	GLY	C-N-CA	5.22	125.73	119.94
8	f	10	THR	CA-C-N	5.15	126.53	120.09
8	f	10	THR	C-N-CA	5.15	126.53	120.09
2	H	292	THR	O-C-N	5.12	124.62	120.83
2	Z	658	PHE	CA-C-N	5.12	125.77	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	Z	658	PHE	C-N-CA	5.12	125.77	120.03
2	Z	15	PRO	CA-C-O	-5.09	117.46	121.38
1	G	386	ASP	CA-C-N	5.07	127.28	120.58
1	G	386	ASP	C-N-CA	5.07	127.28	120.58
1	Y	102	ALA	CA-C-N	5.07	127.48	120.29
1	Y	102	ALA	C-N-CA	5.07	127.48	120.29
1	G	147	TRP	CA-C-N	5.03	127.28	120.38
1	G	147	TRP	C-N-CA	5.03	127.28	120.38

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
9	K	56	LEU	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	5791	0	5648	338	0
1	G	5791	0	5648	355	0
1	Y	5791	0	5649	357	0
2	B	5889	0	5651	360	0
2	H	5889	0	5650	362	0
2	Z	5889	0	5651	335	0
3	C	598	0	582	36	0
3	N	598	0	582	36	0
3	a	598	0	582	35	0
4	D	1075	0	1077	51	0
4	O	1075	0	1077	37	0
4	b	1075	0	1077	51	0
5	E	539	0	528	16	0
5	P	539	0	528	12	0
5	c	539	0	528	10	1
6	F	1065	0	1077	45	0
6	Q	1065	0	1077	52	0
6	d	1065	0	1077	50	1

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
7	I	301	0	306	22	0
7	R	301	0	306	17	0
7	e	301	0	306	13	0
8	J	338	0	347	29	0
8	S	338	0	347	29	0
8	f	338	0	347	23	0
9	K	328	0	348	32	0
9	T	328	0	348	23	0
9	g	328	0	348	16	0
10	L	1119	0	1125	54	0
10	U	1119	0	1125	58	0
10	h	1119	0	1125	61	0
11	M	233	0	252	10	0
11	V	233	0	252	7	0
11	i	233	0	252	14	0
12	W	219	0	221	9	0
12	X	219	0	221	7	0
12	j	219	0	221	12	0
13	A	65	0	72	10	0
13	G	65	0	72	11	0
13	Y	65	0	72	8	0
14	A	2489	0	2488	234	0
14	B	2389	0	2373	218	0
14	F	45	0	32	2	0
14	G	2534	0	2522	251	0
14	H	2220	0	2211	239	0
14	J	100	0	81	1	0
14	K	86	0	61	4	0
14	L	325	0	360	27	0
14	Q	110	0	104	11	0
14	S	165	0	154	11	0
14	T	86	0	62	3	0
14	U	260	0	287	30	0
14	V	54	0	48	3	0
14	W	45	0	33	4	0
14	X	45	0	33	0	0
14	Y	2640	0	2675	252	0
14	Z	2254	0	2219	203	0
14	d	95	0	70	10	0
14	f	100	0	82	3	0
14	g	86	0	62	2	0
14	h	260	0	287	24	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	j	45	0	33	2	0
15	A	33	0	46	6	0
15	B	33	0	46	9	0
15	G	33	0	46	3	0
15	H	33	0	46	4	0
15	Y	33	0	46	5	0
15	Z	33	0	46	2	0
16	A	8	0	0	1	0
16	C	16	0	0	5	0
16	G	8	0	0	0	0
16	N	16	0	0	3	0
16	Y	8	0	0	0	0
16	a	16	0	0	1	0
17	A	200	0	243	33	0
17	B	255	0	302	52	0
17	F	80	0	98	9	0
17	G	240	0	288	61	0
17	H	265	0	320	46	0
17	I	40	0	48	6	0
17	J	80	0	96	22	0
17	K	40	0	48	3	0
17	L	120	0	145	21	0
17	M	40	0	48	7	0
17	Q	80	0	98	9	0
17	R	80	0	96	13	0
17	S	40	0	47	9	0
17	T	40	0	49	8	0
17	U	120	0	145	23	0
17	V	40	0	49	5	0
17	Y	280	0	337	60	0
17	Z	225	0	271	32	0
17	d	40	0	48	5	0
17	e	40	0	48	5	0
17	f	120	0	145	34	0
17	h	80	0	97	10	0
17	i	40	0	47	6	0
18	A	81	0	108	5	0
18	B	39	0	48	0	0
18	G	81	0	108	11	0
18	H	37	0	44	2	0
18	Y	74	0	94	8	0
18	j	28	0	26	2	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	B	52	0	77	6	0
19	H	49	0	68	4	0
19	Z	49	0	68	3	0
20	L	1	0	0	0	0
20	U	1	0	0	0	0
20	h	1	0	0	0	0
21	A	9	0	0	0	0
21	B	9	0	0	0	0
21	C	1	0	0	1	0
21	D	2	0	0	0	0
21	E	1	0	0	0	0
21	G	8	0	0	17	0
21	H	3	0	0	0	0
21	J	1	0	0	0	0
21	K	1	0	0	0	0
21	L	5	0	0	0	0
21	N	1	0	0	1	0
21	O	2	0	0	0	0
21	Q	2	0	0	0	0
21	T	1	0	0	0	0
21	U	4	0	0	0	0
21	W	1	0	0	1	0
21	Y	8	0	0	18	0
21	Z	2	0	0	0	0
21	b	4	0	0	0	0
21	c	1	0	0	0	0
21	d	2	0	0	0	0
21	f	1	0	0	0	0
21	h	1	0	0	0	0
21	j	1	0	0	0	0
All	All	72532	0	72009	3673	1

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 25.

All (3673) 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)
14:G:819:CLA:HBB1	21:G:907:HOH:O	1.23	1.26
1:G:373:HIS:ND1	14:G:818:CLA:OBD	1.80	1.15
14:Y:821:CLA:C3B	21:Y:904:HOH:O	1.92	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:32:TYR:C	9:K:34:ILE:N	2.07	1.13
1:A:399:TRP:CD1	14:A:828:CLA:HAB	1.84	1.12
2:B:318:PHE:CD1	14:B:822:CLA:HAB	1.84	1.10
3:C:47:CYS:SG	21:C:201:HOH:O	2.09	1.08
1:G:399:TRP:CD1	14:G:828:CLA:HAB	1.93	1.04
2:Z:354:HIS:ND1	14:Z:815:CLA:OBD	1.90	1.04
2:B:14:ASP:OD2	2:B:18:ARG:NH1	1.91	1.02
10:U:96:TYR:OH	2:Z:698:ARG:NH1	1.93	1.01
14:Y:827:CLA:H8	21:Y:904:HOH:O	1.61	1.01
6:d:54:ASP:OD2	12:j:30:TYR:OH	1.76	1.01
3:N:16:CYS:SG	3:N:25:LEU:HD22	2.01	1.00
1:Y:642:SER:OG	1:Y:652:ASP:OD2	1.79	0.99
14:Z:821:CLA:HAB	14:Z:828:CLA:HMD2	1.44	0.99
2:B:354:HIS:ND1	14:B:817:CLA:OBD	1.95	0.99
9:g:25:PHE:O	9:g:29:LEU:HD12	1.63	0.98
9:g:32:TYR:C	9:g:34:ILE:N	2.21	0.98
1:A:703:SER:O	2:B:423:SER:OG	1.79	0.98
14:Y:839:CLA:H2A	21:Y:908:HOH:O	1.61	0.98
1:G:683:TRP:CE3	13:G:801:CL0:H6	2.00	0.97
14:U:1006:CLA:HAB	14:Z:808:CLA:HMA1	1.46	0.97
1:G:217:ILE:HA	1:G:221:LEU:HD12	1.45	0.96
1:G:336:PHE:O	1:G:432:ARG:NH2	1.98	0.96
1:G:76:HIS:ND1	14:G:813:CLA:OBD	1.98	0.96
2:H:70:GLN:NE2	14:H:806:CLA:O1D	1.99	0.96
21:G:904:HOH:O	14:H:801:CLA:C2C	2.14	0.95
2:Z:28:HIS:ND1	14:Z:805:CLA:O1A	1.99	0.94
1:Y:363:MET:HG3	14:Y:805:CLA:HED1	1.48	0.94
2:B:647:ASN:HD22	2:B:649:LEU:H	1.14	0.94
14:G:802:CLA:C2C	21:G:904:HOH:O	2.16	0.93
14:Z:806:CLA:HHB	14:Z:807:CLA:HMB3	1.50	0.92
6:Q:40:GLN:NE2	8:S:40:PRO:O	2.03	0.91
14:B:835:CLA:C4C	14:B:836:CLA:HAB	2.01	0.91
2:Z:292:THR:HG21	14:Z:818:CLA:OBD	1.70	0.91
12:j:19:LEU:HD23	12:j:22:ILE:HD12	1.53	0.91
14:G:821:CLA:HMB2	14:G:825:CLA:HED2	1.51	0.90
1:A:86:TRP:NE1	14:A:828:CLA:OBD	2.05	0.90
2:Z:425:LEU:HG	14:Z:837:CLA:HAB	1.53	0.90
1:A:56:HIS:ND1	14:A:806:CLA:O1A	2.05	0.89
14:A:828:CLA:H191	17:J:103:BCR:H14C	1.52	0.89
1:Y:575:ARG:NH1	18:Y:852:LHG:O10	2.05	0.89
17:J:104:BCR:H321	17:J:104:BCR:HC8	1.55	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:b:95:HIS:HB3	4:b:96:PRO:HD3	1.54	0.89
10:U:38:ARG:O	10:U:46:ARG:NH2	2.06	0.89
17:Z:844:BCR:H23C	17:Z:844:BCR:H403	1.53	0.89
17:Y:851:BCR:H403	17:Y:851:BCR:H23C	1.54	0.88
1:Y:399:TRP:CD1	14:Y:828:CLA:HAB	2.07	0.88
17:R:102:BCR:HC8	17:R:102:BCR:H331	1.57	0.87
1:A:451:LEU:HD21	14:A:837:CLA:HAB	1.57	0.87
1:G:698:GLN:HE22	1:G:720:ARG:HA	1.40	0.87
1:Y:683:TRP:CD2	13:Y:801:CL0:H5	2.09	0.86
17:G:854:BCR:HC8	17:G:854:BCR:H331	1.56	0.86
2:H:480:LEU:O	2:H:482:SER:N	2.07	0.86
14:Y:839:CLA:C2A	21:Y:908:HOH:O	2.21	0.86
17:S:1104:BCR:H23C	17:S:1104:BCR:H403	1.59	0.85
17:G:850:BCR:H403	17:G:850:BCR:H23C	1.57	0.85
2:B:318:PHE:CE1	14:B:822:CLA:HAB	2.11	0.85
14:G:802:CLA:C1C	21:G:904:HOH:O	2.23	0.84
14:U:1006:CLA:HAB	14:Z:808:CLA:CMA	2.06	0.84
12:W:20:LEU:HD13	14:W:1701:CLA:HBB1	1.59	0.84
1:Y:57:ASP:O	1:Y:60:THR:OG1	1.95	0.84
14:A:807:CLA:HMB3	14:A:808:CLA:HHB	1.60	0.84
2:H:325:ILE:HA	2:H:328:THR:HG22	1.59	0.84
14:Z:803:CLA:HAB	14:Z:805:CLA:CAD	2.08	0.83
14:Y:819:CLA:C4D	21:Y:907:HOH:O	2.27	0.83
1:A:149:ALA:HB1	14:A:819:CLA:HED1	1.61	0.83
10:h:35:PRO:HG3	14:h:206:CLA:HED2	1.61	0.83
1:A:564:ARG:NH2	4:D:14:THR:O	2.12	0.83
1:G:158:LEU:O	1:G:161:THR:OG1	1.96	0.83
14:H:801:CLA:HED1	14:H:802:CLA:H92	1.61	0.83
1:Y:337:THR:OG1	18:Y:853:LHG:O4	1.96	0.83
1:Y:593:ASP:OD1	1:Y:728:ARG:NH1	2.12	0.83
1:A:519:ALA:HB1	1:A:625:VAL:HG21	1.59	0.83
10:U:25:GLY:O	10:U:29:THR:OG1	1.96	0.82
11:i:4:THR:H	11:i:7:GLN:HE21	1.27	0.82
1:Y:145:GLN:HB3	1:Y:380:TYR:HB3	1.62	0.82
14:Z:830:CLA:HBC3	6:d:67:SER:HA	1.59	0.82
2:Z:198:ILE:HG13	2:Z:199:PRO:HD3	1.62	0.82
17:f:104:BCR:H403	17:f:104:BCR:H23C	1.62	0.82
14:A:822:CLA:HBA2	9:K:35:GLN:OE1	1.80	0.82
1:Y:399:TRP:NE1	14:Y:828:CLA:HAB	1.95	0.82
14:Y:824:CLA:HMA3	14:Y:843:CLA:HAB	1.62	0.82
14:G:802:CLA:H12	2:H:430:LEU:HD12	1.62	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
21:G:904:HOH:O	14:H:801:CLA:C3C	2.25	0.81
2:Z:494:ASN:HD22	2:Z:496:GLY:H	1.26	0.81
17:f:104:BCR:H321	17:f:104:BCR:HC8	1.62	0.81
2:H:691:THR:HG22	14:h:201:CLA:HHB	1.61	0.81
2:H:339:TRP:HE1	14:H:823:CLA:C2B	1.94	0.81
2:H:489:SER:O	2:H:497:ASN:ND2	2.14	0.81
9:T:32:TYR:C	9:T:34:ILE:N	2.39	0.81
2:Z:67:VAL:HG11	2:Z:123:TRP:HZ3	1.44	0.81
2:B:596:VAL:HG13	14:B:837:CLA:HAB	1.64	0.80
14:B:808:CLA:HHB	14:B:809:CLA:HMB3	1.64	0.80
1:Y:450:PHE:HE1	14:Y:838:CLA:HAB	1.47	0.80
1:A:682:ILE:HD11	14:A:840:CLA:HMB1	1.62	0.79
1:A:99:ASN:HD22	1:A:110:ILE:HD11	1.45	0.79
10:L:29:THR:O	10:L:33:ASN:ND2	2.16	0.79
6:F:60:ALA:HA	6:F:64:LEU:HD13	1.64	0.79
14:A:833:CLA:HAB	14:L:201:CLA:HHB	1.65	0.79
2:B:294:PHE:CE2	14:B:820:CLA:O1A	2.36	0.79
2:H:28:HIS:ND1	14:H:805:CLA:O1A	2.13	0.79
14:Y:819:CLA:C3D	21:Y:907:HOH:O	2.31	0.79
1:Y:712:LYS:O	6:d:89:ARG:NH2	2.16	0.78
6:d:34:ARG:NH1	8:f:35:ASP:OD2	2.15	0.78
1:A:376:ALA:HA	1:A:526:MET:HE3	1.66	0.78
2:H:663:TRP:CD2	14:H:802:CLA:HMA3	2.19	0.78
4:b:117:ARG:HH21	4:b:122:ASN:HA	1.49	0.78
1:Y:346:GLU:O	1:Y:350:THR:OG1	1.99	0.78
17:L:203:BCR:H392	17:L:203:BCR:H23C	1.64	0.78
10:h:29:THR:O	10:h:33:ASN:ND2	2.16	0.78
10:h:68:LEU:HD12	10:h:77:GLY:HA3	1.64	0.78
21:G:904:HOH:O	14:H:801:CLA:CMC	2.31	0.78
2:B:181:LEU:HG	14:B:813:CLA:H42	1.65	0.78
2:B:360:PRO:HG3	14:B:818:CLA:HBA1	1.65	0.77
1:Y:357:ALA:HA	1:Y:408:GLY:HA2	1.67	0.77
14:B:826:CLA:HED1	17:B:847:BCR:H331	1.66	0.77
2:B:566:ASP:OD2	3:C:65:ARG:NH2	2.17	0.77
1:G:681:PHE:CG	17:G:850:BCR:H363	2.20	0.77
14:G:828:CLA:H91	17:G:854:BCR:H361	1.66	0.77
2:H:360:PRO:HG3	14:H:817:CLA:HBA1	1.67	0.77
1:Y:417:VAL:HG21	1:Y:574:PHE:HB2	1.66	0.77
1:A:153:THR:HG23	1:A:233:ALA:HB1	1.67	0.77
2:H:478:ASP:OD1	2:H:483:ASN:ND2	2.18	0.77
2:Z:663:TRP:CE2	14:Z:802:CLA:HMA2	2.20	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:d:11:SER:OG	6:d:14:PHE:HB3	1.85	0.77
2:H:542:LYS:HE2	2:H:546:ASP:OD2	1.85	0.76
14:A:808:CLA:HHC	14:A:808:CLA:HBB1	1.68	0.76
9:T:25:PHE:HE2	9:T:67:HIS:CE1	2.03	0.76
1:Y:558:LEU:HD21	14:Y:821:CLA:H201	1.66	0.76
4:b:132:GLY:O	4:b:134:LYS:NZ	2.18	0.76
2:H:301:LYS:NZ	2:H:327:GLU:OE2	2.17	0.76
2:H:647:ASN:HD22	2:H:649:LEU:H	1.31	0.76
14:A:807:CLA:HHC	14:A:807:CLA:HBB1	1.67	0.76
2:B:558:ASP:OD2	4:D:122:ASN:ND2	2.19	0.76
2:B:339:TRP:HE1	14:B:824:CLA:C2B	1.98	0.76
14:H:814:CLA:HBB1	17:H:840:BCR:H333	1.66	0.76
17:J:104:BCR:H403	17:J:104:BCR:H23C	1.68	0.76
2:Z:596:VAL:HG13	14:Z:835:CLA:HAB	1.67	0.76
1:G:451:LEU:O	1:G:455:SER:HB3	1.85	0.76
17:A:849:BCR:H362	14:A:852:CLA:H43	1.66	0.76
17:B:847:BCR:H403	17:B:847:BCR:H23C	1.68	0.75
1:G:552:ILE:HG12	14:H:803:CLA:HMD3	1.67	0.75
1:G:751:ILE:HA	1:G:754:VAL:HG22	1.69	0.75
2:H:390:PHE:HZ	14:H:824:CLA:HAB	1.51	0.75
17:i:101:BCR:HC8	17:i:101:BCR:H321	1.67	0.75
2:B:414:VAL:HG11	17:B:846:BCR:H401	1.68	0.75
2:H:663:TRP:CE3	14:H:802:CLA:HMA3	2.21	0.75
9:K:65:PHE:HA	9:K:68:LEU:CD2	2.16	0.75
1:G:57:ASP:OD1	1:G:60:THR:OG1	2.04	0.75
9:K:65:PHE:HA	9:K:68:LEU:HD22	1.68	0.75
6:Q:55:GLY:HA2	6:Q:64:LEU:HD21	1.69	0.75
6:Q:80:VAL:HG23	6:Q:109:CYS:HB2	1.67	0.75
14:Y:821:CLA:C4B	21:Y:904:HOH:O	2.29	0.75
1:G:35:ASP:OD1	1:G:37:THR:OG1	2.04	0.74
14:G:804:CLA:HAB	14:G:806:CLA:CAD	2.17	0.74
1:G:704:ILE:HD13	14:G:839:CLA:HMD2	1.69	0.74
8:S:5:LEU:HD22	8:S:8:LEU:HD12	1.69	0.74
1:Y:117:VAL:HG22	1:Y:127:ASN:OD1	1.88	0.74
14:Y:854:CLA:HAB	2:Z:588:TRP:CH2	2.22	0.74
2:B:198:ILE:HG13	2:B:199:PRO:HD3	1.66	0.74
1:A:19:ASP:OD1	1:A:182:LYS:NZ	2.15	0.74
1:A:449:ILE:HD11	17:B:848:BCR:H402	1.70	0.74
1:G:356:LEU:O	1:G:360:LEU:HB2	1.87	0.74
1:A:215:HIS:CE1	1:A:219:VAL:HG21	2.22	0.74
1:G:601:TRP:HH2	14:G:803:CLA:HAB	1.52	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:818:CLA:C2D	21:G:907:HOH:O	2.36	0.74
1:Y:219:VAL:HG23	1:Y:239:PRO:HB3	1.69	0.74
1:Y:432:ARG:NE	14:Y:831:CLA:OBD	2.20	0.74
9:T:22:CYS:HA	9:T:25:PHE:CD1	2.24	0.73
14:Z:835:CLA:H13	12:j:19:LEU:HD22	1.70	0.73
1:A:371:ALA:HB2	1:A:397:HIS:HB2	1.70	0.73
14:A:806:CLA:HBA2	14:A:806:CLA:HBD	1.69	0.73
4:D:95:HIS:HB3	4:D:96:PRO:HD3	1.71	0.73
1:G:352:TRP:HB3	14:G:805:CLA:HAC1	1.69	0.73
2:H:82:ASN:O	2:H:84:ARG:NH1	2.21	0.73
2:B:383:GLY:HA3	2:B:589:MET:HE3	1.70	0.73
14:U:1004:CLA:HAB	14:Y:834:CLA:H92	1.71	0.73
1:Y:118:TRP:CE3	17:f:104:BCR:H323	2.23	0.73
3:C:4:VAL:HG13	3:C:66:VAL:HG12	1.69	0.73
2:Z:390:PHE:HZ	14:Z:823:CLA:HAB	1.54	0.73
14:H:803:CLA:CGA	14:H:803:CLA:H3A	2.18	0.73
2:B:380:TYR:CD2	14:B:827:CLA:HAB	2.24	0.73
1:G:564:ARG:O	4:O:60:ARG:NH1	2.20	0.73
2:Z:321:PRO:HB2	2:Z:323:GLN:HE22	1.53	0.73
14:Z:835:CLA:H71	12:j:26:VAL:HG21	1.69	0.73
14:G:831:CLA:O1D	10:h:5:VAL:HG11	1.89	0.72
9:T:65:PHE:HB2	17:T:102:BCR:H24C	1.71	0.72
14:Y:812:CLA:H93	14:Y:820:CLA:H41	1.70	0.72
14:A:808:CLA:H91	14:A:811:CLA:H191	1.71	0.72
2:Z:430:LEU:HA	14:Z:801:CLA:O2A	1.88	0.72
1:A:56:HIS:HD1	14:A:806:CLA:CGA	2.03	0.72
14:B:825:CLA:HAA2	14:B:826:CLA:OBD	1.89	0.72
2:H:513:SER:HB2	2:H:516:LEU:HD11	1.70	0.72
1:A:446:TRP:HB2	14:A:841:CLA:HED2	1.70	0.72
14:Z:825:CLA:O1D	14:Z:826:CLA:HMA1	1.88	0.72
1:G:216:GLN:HE22	1:G:301:HIS:HD2	1.36	0.72
1:G:451:LEU:HD21	14:G:837:CLA:CAB	2.19	0.72
10:U:35:PRO:HG3	10:U:49:GLU:CD	2.15	0.72
2:B:647:ASN:ND2	2:B:649:LEU:H	1.87	0.72
10:L:130:GLY:HA3	17:L:209:BCR:H383	1.71	0.72
1:Y:198:ASN:HD21	1:Y:315:TYR:H	1.35	0.72
10:U:130:GLY:HA3	17:U:1008:BCR:H383	1.70	0.72
14:A:837:CLA:H202	14:L:206:CLA:H193	1.71	0.71
14:Y:808:CLA:C3D	14:Y:828:CLA:HBA1	2.21	0.71
14:B:830:CLA:O1A	12:X:12:ARG:NH1	2.24	0.71
4:O:95:HIS:HB3	4:O:96:PRO:HD3	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:466:ARG:HB2	1:A:474:MET:HE1	1.71	0.71
8:f:26:LEU:HD23	17:f:103:BCR:HC7	1.71	0.71
1:A:50:ASN:ND2	5:E:50:GLY:O	2.23	0.71
14:H:832:CLA:C4C	14:H:833:CLA:HAB	2.21	0.71
14:U:1003:CLA:H93	14:Y:832:CLA:H11	1.72	0.71
14:Y:855:CLA:HAB	2:Z:665:THR:HA	1.73	0.71
1:G:689:PHE:HA	15:G:844:PQN:H9	1.73	0.71
14:G:806:CLA:HED1	14:G:830:CLA:H52	1.73	0.71
1:G:152:ILE:HA	14:G:814:CLA:HED1	1.73	0.71
1:G:541:ILE:HD12	13:G:801:CL0:H63	1.71	0.71
14:G:818:CLA:C1D	21:G:907:HOH:O	2.39	0.71
1:G:397:HIS:O	1:G:401:GLY:N	2.20	0.70
9:K:35:GLN:HE22	17:K:102:BCR:H281	1.56	0.70
2:B:181:LEU:HD21	14:B:813:CLA:H11	1.73	0.70
14:Y:839:CLA:CMA	21:Y:908:HOH:O	2.39	0.70
2:H:168:LYS:O	2:H:330:ASN:ND2	2.15	0.70
10:U:19:THR:HG21	14:Y:831:CLA:HMA2	1.73	0.70
1:A:683:TRP:CE3	13:A:801:CL0:H6	2.27	0.70
1:G:143:LEU:HA	1:G:146:LEU:HB3	1.72	0.70
17:G:849:BCR:H382	17:G:849:BCR:H23C	1.73	0.70
14:Z:825:CLA:H3A	14:Z:825:CLA:CGA	2.21	0.70
2:B:206:VAL:HG12	2:B:214:THR:HG21	1.72	0.70
2:B:663:TRP:CE3	14:B:803:CLA:HMA3	2.26	0.70
2:H:459:GLU:HG3	6:Q:5:LEU:HD11	1.73	0.70
1:Y:199:HIS:O	1:Y:203:GLY:N	2.25	0.70
1:Y:465:MET:HG3	1:Y:470:ARG:HD3	1.73	0.70
4:b:37:GLN:HG3	4:b:49:MET:SD	2.32	0.70
1:A:588:GLN:HG3	2:B:673:TRP:HB2	1.73	0.70
1:Y:694:ARG:NH1	1:Y:721:ALA:O	2.25	0.70
1:A:399:TRP:HD1	14:A:828:CLA:HAB	1.53	0.70
14:B:827:CLA:H3A	14:B:827:CLA:CGA	2.20	0.70
8:J:5:LEU:HD23	8:J:8:LEU:HD12	1.74	0.70
1:Y:293:TRP:HB2	1:Y:296:ASP:HB2	1.73	0.70
17:Y:846:BCR:H23C	17:Y:846:BCR:H383	1.74	0.70
2:Z:361:TYR:O	2:Z:364:ILE:HG22	1.91	0.70
14:H:801:CLA:H141	14:S:1101:CLA:H191	1.74	0.70
1:Y:366:LEU:HD13	14:Y:827:CLA:H42	1.74	0.70
14:G:803:CLA:HED2	2:H:660:HIS:CD2	2.27	0.70
2:H:424:HIS:O	2:H:428:VAL:HG23	1.91	0.70
1:Y:626:ALA:HB3	1:Y:630:THR:HB	1.72	0.70
1:A:464:THR:HG22	2:B:654:TRP:HE1	1.56	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:B:844:BCR:H382	17:B:844:BCR:H23C	1.73	0.69
14:G:803:CLA:OBD	14:H:802:CLA:HMB3	1.91	0.69
1:Y:601:TRP:HE1	14:Y:855:CLA:CHD	2.05	0.69
17:G:848:BCR:H403	17:G:848:BCR:H23C	1.74	0.69
10:U:29:THR:O	10:U:33:ASN:ND2	2.25	0.69
6:Q:101:ILE:HG13	8:S:14:LEU:HD12	1.75	0.69
14:Y:828:CLA:H43	17:Y:851:BCR:H311	1.72	0.69
2:B:193:LEU:HA	2:B:197:ALA:HB3	1.75	0.69
1:Y:674:LEU:HD21	2:Z:448:ALA:HB2	1.74	0.69
17:G:850:BCR:H362	14:H:801:CLA:H43	1.74	0.69
14:Y:821:CLA:CMD	14:Y:822:CLA:HAB	2.23	0.69
2:B:532:GLY:O	2:B:536:THR:HG22	1.93	0.69
17:B:845:BCR:H23C	17:B:845:BCR:H383	1.73	0.69
17:M:101:BCR:H321	17:M:101:BCR:HC8	1.73	0.69
4:O:100:VAL:HG21	4:O:106:ASN:HB2	1.74	0.69
1:A:158:LEU:O	1:A:161:THR:OG1	2.09	0.69
1:A:486:PHE:HB3	14:A:836:CLA:H2	1.74	0.69
2:B:548:ARG:NH1	6:F:141:ARG:O	2.26	0.69
2:Z:481:LEU:HA	2:Z:489:SER:HB2	1.75	0.69
6:d:55:GLY:HA2	6:d:64:LEU:HD21	1.74	0.69
6:F:109:CYS:O	6:F:112:THR:HG22	1.93	0.69
1:G:86:TRP:HZ3	17:G:847:BCR:H401	1.58	0.69
6:Q:90:ASN:O	6:Q:90:ASN:ND2	2.25	0.69
1:A:38:LEU:HD13	1:A:51:LEU:HA	1.75	0.69
14:A:831:CLA:CBB	18:A:851:LHG:H291	2.23	0.69
14:B:833:CLA:H41	17:B:851:BCR:H373	1.75	0.69
1:G:59:ASP:HB2	1:G:418:ARG:HH12	1.58	0.69
17:U:1007:BCR:HC8	17:U:1007:BCR:H331	1.75	0.69
14:Z:835:CLA:H41	14:j:102:CLA:HED2	1.72	0.69
1:A:367:SER:OG	1:A:397:HIS:O	2.11	0.68
17:f:105:BCR:H331	17:f:105:BCR:C8	2.22	0.68
1:G:216:GLN:HE22	1:G:301:HIS:CD2	2.10	0.68
17:S:1104:BCR:H321	17:S:1104:BCR:HC8	1.74	0.68
14:Y:829:CLA:H52	21:Y:907:HOH:O	1.92	0.68
10:h:68:LEU:HD12	10:h:77:GLY:CA	2.24	0.68
1:G:699:GLU:OE1	2:H:542:LYS:NZ	2.26	0.68
1:G:380:TYR:CE2	14:G:829:CLA:HED2	2.29	0.68
5:P:23:VAL:HA	5:P:38:VAL:HA	1.76	0.68
1:Y:76:HIS:ND1	14:Y:813:CLA:OBD	2.26	0.68
14:Y:840:CLA:HHD	17:Z:846:BCR:H383	1.74	0.68
2:Z:390:PHE:CZ	14:Z:823:CLA:HAB	2.28	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:810:CLA:HMA1	14:L:202:CLA:HAB	1.76	0.68
14:H:806:CLA:HHB	14:H:807:CLA:HMB3	1.74	0.68
9:K:43:LEU:HD22	9:K:56:LEU:HB3	1.75	0.68
10:U:59:ILE:HG22	10:U:82:GLY:HA3	1.75	0.68
17:U:1007:BCR:H392	17:U:1007:BCR:H23C	1.74	0.68
17:Y:847:BCR:H403	17:Y:847:BCR:H23C	1.76	0.68
1:A:451:LEU:HD21	14:A:837:CLA:CAB	2.23	0.68
13:G:801:CL0:O1D	14:H:802:CLA:HBB2	1.93	0.68
14:H:803:CLA:HMB3	14:H:803:CLA:H52	1.75	0.68
17:U:1007:BCR:H352	14:Y:834:CLA:C2	2.24	0.68
14:Y:826:CLA:CHB	17:Y:850:BCR:H352	2.23	0.68
2:B:730:PHE:O	2:B:734:SER:OG	2.11	0.68
2:H:651:VAL:HG22	14:H:808:CLA:HAC1	1.75	0.68
14:H:807:CLA:HAB	14:H:808:CLA:HAA2	1.76	0.68
2:Z:630:LEU:O	2:Z:634:SER:OG	2.08	0.68
1:Y:201:LEU:O	1:Y:308:PHE:HB3	1.94	0.68
14:A:841:CLA:HBC1	15:B:842:PQN:H193	1.76	0.68
1:G:601:TRP:CH2	14:G:803:CLA:HAB	2.29	0.68
2:H:354:HIS:ND1	14:H:816:CLA:OBD	2.27	0.68
14:H:820:CLA:HBB2	14:H:821:CLA:HBC2	1.74	0.68
2:B:390:PHE:CZ	17:B:847:BCR:H373	2.29	0.67
2:B:525:VAL:HG13	14:B:803:CLA:H141	1.75	0.67
6:Q:22:VAL:O	6:Q:34:ARG:NH2	2.24	0.67
2:Z:86:ILE:O	2:Z:120:TYR:OH	2.06	0.67
2:B:179:ALA:HA	2:B:284:ILE:HA	1.74	0.67
2:H:278:ALA:HB2	14:H:816:CLA:HAB	1.76	0.67
1:A:602:MET:HG2	14:A:826:CLA:HBC1	1.75	0.67
1:Y:681:PHE:CG	17:Y:851:BCR:H363	2.30	0.67
10:h:50:VAL:O	10:h:54:HIS:ND1	2.19	0.67
2:B:663:TRP:CD2	14:B:803:CLA:HMA3	2.30	0.67
3:C:57:CYS:HA	16:C:102:SF4:S4	2.34	0.67
1:G:439:ALA:HA	2:H:686:TRP:CZ3	2.29	0.67
2:H:100:VAL:O	2:H:104:THR:OG1	2.11	0.67
6:F:53:VAL:HG12	6:F:63:PHE:HB2	1.77	0.67
1:G:625:VAL:HG12	1:G:631:VAL:HG22	1.77	0.67
1:A:366:LEU:HD21	14:A:819:CLA:H72	1.77	0.67
1:G:392:SER:HB3	14:G:828:CLA:HMA3	1.77	0.67
1:G:399:TRP:HD1	14:G:828:CLA:HAB	1.56	0.67
2:H:626:LEU:HD13	14:H:801:CLA:HED3	1.77	0.67
2:H:52:HIS:CE1	2:H:56:ILE:HD11	2.28	0.67
14:H:808:CLA:CMA	14:H:809:CLA:HAB	2.25	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:432:ARG:HE	14:Y:831:CLA:CAD	2.07	0.67
1:Y:512:ALA:HA	1:Y:528:PRO:HA	1.74	0.67
17:e:101:BCR:H23C	17:e:101:BCR:H382	1.76	0.67
3:C:33:CYS:SG	3:C:34:LYS:N	2.67	0.67
1:G:514:GLY:HA2	1:G:528:PRO:HB3	1.76	0.67
14:H:808:CLA:HMA1	14:H:809:CLA:HAB	1.77	0.67
1:A:536:PHE:HA	14:A:837:CLA:HED1	1.76	0.67
1:Y:177:TRP:HB2	14:Y:811:CLA:HMC2	1.77	0.67
1:Y:580:GLY:O	1:Y:586:THR:OG1	2.11	0.67
14:Y:803:CLA:H203	14:Y:841:CLA:H161	1.76	0.67
2:B:45:ILE:HG21	14:B:806:CLA:H201	1.75	0.66
2:B:361:TYR:OH	14:B:828:CLA:OBD	2.13	0.66
2:H:219:ALA:HB1	2:H:223:PRO:HG2	1.77	0.66
13:Y:801:CL0:H12	14:Y:854:CLA:CAD	2.25	0.66
14:B:839:CLA:HBB1	14:B:839:CLA:HHC	1.77	0.66
4:D:117:ARG:HH12	4:D:123:PRO:HD3	1.59	0.66
1:Y:634:ILE:HG23	1:Y:754:VAL:HG11	1.76	0.66
2:B:531:LEU:HD11	14:B:801:CLA:O1A	1.95	0.66
2:H:691:THR:CG2	14:h:201:CLA:HHB	2.25	0.66
13:A:801:CL0:H12	14:A:852:CLA:CAD	2.26	0.66
14:G:803:CLA:CAD	14:H:802:CLA:HMB1	2.26	0.66
2:H:339:TRP:CH2	17:H:843:BCR:H372	2.31	0.66
1:Y:362:MET:HE3	14:Y:827:CLA:H43	1.77	0.66
1:Y:476:SER:HB3	1:Y:644:ILE:HD12	1.78	0.66
2:B:535:THR:O	2:B:539:ILE:HG13	1.96	0.66
2:B:719:PHE:O	2:B:723:TYR:HB2	1.94	0.66
14:G:808:CLA:HAB	17:G:854:BCR:H363	1.76	0.66
14:G:808:CLA:C3D	14:G:828:CLA:HBA1	2.25	0.66
2:Z:714:VAL:O	2:Z:718:HIS:ND1	2.26	0.66
1:A:45:THR:HG22	1:A:720:ARG:H	1.59	0.66
2:H:60:VAL:O	2:H:64:LEU:HD12	1.96	0.66
2:H:494:ASN:HD22	2:H:496:GLY:H	1.42	0.66
2:H:349:SER:OG	14:H:824:CLA:CAD	2.44	0.66
1:Y:371:ALA:HB2	1:Y:397:HIS:HB2	1.78	0.66
14:Y:841:CLA:H171	8:f:19:MET:SD	2.36	0.66
10:h:54:HIS:HA	10:h:57:PHE:CE2	2.31	0.66
1:A:120:ILE:HD12	17:J:104:BCR:H313	1.78	0.66
3:N:57:CYS:HA	21:N:201:HOH:O	1.96	0.66
2:Z:319:ASN:ND2	18:j:101:LHG:O4	2.28	0.66
2:Z:525:VAL:HG11	2:Z:599:TYR:CG	2.30	0.66
11:i:23:PHE:O	11:i:26:SER:OG	2.14	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:148:ARG:NH2	1:A:228:ASP:OD1	2.28	0.66
2:H:25:ALA:HB2	19:H:846:LMG:H121	1.77	0.66
1:Y:120:ILE:O	1:Y:121:VAL:HG12	1.94	0.66
2:H:414:VAL:HG21	17:H:843:BCR:H401	1.77	0.65
1:Y:34:PHE:HB2	1:Y:61:HIS:CG	2.31	0.65
14:Y:854:CLA:HMB3	14:Z:802:CLA:H201	1.79	0.65
2:H:73:PHE:HB3	2:H:131:ASN:ND2	2.09	0.65
1:A:118:TRP:HB3	17:J:104:BCR:HC21	1.78	0.65
14:V:1201:CLA:HED2	14:V:1201:CLA:H2A	1.78	0.65
1:A:542:HIS:HE1	1:A:612:HIS:ND1	1.94	0.65
1:G:237:PRO:HG3	1:G:248:LEU:HD21	1.79	0.65
14:L:201:CLA:H152	17:L:203:BCR:H372	1.78	0.65
17:A:849:BCR:H403	17:A:849:BCR:H23C	1.78	0.65
2:H:227:GLY:O	14:H:815:CLA:H43	1.96	0.65
11:i:9:TYR:HB3	17:i:101:BCR:H401	1.78	0.65
14:G:802:CLA:H142	17:G:850:BCR:C40	2.27	0.65
9:K:24:LEU:HD23	9:K:70:ALA:HA	1.77	0.65
5:P:5:SER:O	5:P:23:VAL:HG12	1.97	0.65
1:Y:738:GLY:O	1:Y:742:THR:OG1	2.15	0.65
1:A:357:ALA:HA	1:A:408:GLY:HA2	1.78	0.65
14:A:822:CLA:HBA2	9:K:35:GLN:CD	2.21	0.65
14:G:824:CLA:H62	17:G:849:BCR:H363	1.77	0.65
1:Y:36:ARG:NH2	1:Y:60:THR:O	2.29	0.65
2:Z:650:SER:HB3	14:Z:808:CLA:HBC1	1.79	0.65
14:Z:806:CLA:HED2	7:e:11:PRO:HB3	1.79	0.65
2:B:196:VAL:O	2:B:199:PRO:HD2	1.95	0.65
1:G:58:PHE:HE1	14:G:804:CLA:HED1	1.62	0.65
2:H:304:MET:HE2	2:H:322:HIS:HB3	1.77	0.65
8:S:3:HIS:O	8:S:6:THR:OG1	2.14	0.65
1:Y:257:ASP:OD2	1:Y:262:SER:OG	2.15	0.65
14:Z:823:CLA:H101	17:Z:845:BCR:H333	1.78	0.65
14:H:805:CLA:H92	14:H:828:CLA:H91	1.78	0.65
17:U:1008:BCR:H24C	10:h:129:MET:HE2	1.78	0.65
2:Z:57:PHE:HB2	2:Z:145:ALA:HB2	1.77	0.65
2:Z:651:VAL:HG21	14:Z:807:CLA:HAC1	1.78	0.65
14:Z:831:CLA:H52	17:Z:846:BCR:H312	1.79	0.65
1:A:660:GLN:HG2	1:A:750:ARG:HA	1.78	0.64
1:A:680:HIS:HB3	14:A:852:CLA:HBD	1.79	0.64
4:D:117:ARG:NH2	4:D:122:ASN:OD1	2.29	0.64
14:H:818:CLA:HBA1	14:H:823:CLA:CBB	2.26	0.64
10:L:6:LYS:HG3	10:L:18:SER:HB3	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:237:PRO:HG3	1:A:248:LEU:HD21	1.80	0.64
14:A:826:CLA:CHB	17:A:848:BCR:H352	2.27	0.64
3:C:60:ASP:OD2	5:E:14:SER:OG	2.11	0.64
1:G:450:PHE:HE2	14:G:837:CLA:HAB	1.60	0.64
1:G:488:GLN:NE2	1:G:531:LEU:O	2.31	0.64
10:U:153:PHE:CD2	10:h:68:LEU:CD2	2.80	0.64
1:Y:352:TRP:HB3	14:Y:805:CLA:HAC1	1.79	0.64
14:Y:842:CLA:HHD	17:Y:856:BCR:H383	1.78	0.64
14:U:1003:CLA:H101	14:Y:832:CLA:H42	1.78	0.64
3:C:9:THR:HG23	3:C:63:SER:OG	1.98	0.64
14:G:821:CLA:HED2	14:G:824:CLA:HED2	1.78	0.64
17:G:854:BCR:H331	17:G:854:BCR:C8	2.23	0.64
14:Z:832:CLA:ND	14:Z:833:CLA:HAB	2.13	0.64
14:B:840:CLA:HBB2	15:B:842:PQN:H141	1.78	0.64
1:G:212:TRP:N	14:G:814:CLA:HAB	2.13	0.64
9:K:39:LYS:HG3	9:K:59:LEU:HD22	1.78	0.64
14:Z:801:CLA:CGA	14:Z:801:CLA:H3A	2.28	0.64
1:A:106:ASP:O	1:A:110:ILE:HG22	1.98	0.64
1:A:738:GLY:O	1:A:742:THR:OG1	2.15	0.64
14:B:829:CLA:H112	19:B:849:LMG:H202	1.80	0.64
14:G:808:CLA:HHC	14:G:808:CLA:HBB1	1.80	0.64
17:H:844:BCR:H403	17:H:844:BCR:H23C	1.79	0.64
10:U:86:ILE:O	10:U:90:THR:HG23	1.98	0.64
14:G:803:CLA:H2	2:H:661:LEU:HD22	1.80	0.64
10:h:63:VAL:HG22	10:h:75:ASN:HA	1.79	0.64
10:h:110:PRO:O	10:h:113:THR:HG22	1.98	0.64
2:Z:443:ASN:HB3	2:Z:455:GLN:HE21	1.63	0.64
1:A:400:ILE:HG21	14:A:829:CLA:HAB	1.80	0.64
2:B:475:TYR:HB3	6:F:3:ALA:HA	1.79	0.64
6:F:27:ASP:OD2	6:F:33:LYS:NZ	2.28	0.64
1:Y:642:SER:O	1:Y:648:GLY:HA3	1.97	0.64
2:H:676:TYR:OH	14:H:803:CLA:OBD	2.16	0.64
8:S:31:ARG:NH1	14:S:1102:CLA:O1D	2.30	0.64
14:Y:827:CLA:C8	21:Y:904:HOH:O	2.31	0.64
2:Z:446:VAL:HG13	2:Z:454:LYS:HB2	1.80	0.64
14:Z:830:CLA:CBC	6:d:67:SER:HA	2.27	0.64
1:A:300:HIS:CE1	1:A:304:ILE:HG13	2.32	0.63
1:Y:313:HIS:CE1	17:Y:846:BCR:H363	2.33	0.63
2:B:664:ALA:O	14:B:804:CLA:HAB	1.98	0.63
1:G:675:LEU:HD21	14:G:828:CLA:H143	1.79	0.63
17:J:103:BCR:H321	17:J:103:BCR:HC8	1.79	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:O:12:GLY:HA2	10:h:12:PRO:O	1.98	0.63
6:Q:56:ARG:HG2	12:W:31:PHE:HE1	1.62	0.63
1:A:683:TRP:CD2	13:A:801:CL0:H6	2.33	0.63
2:B:500:LEU:HG	2:B:504:LEU:HD12	1.80	0.63
1:G:550:VAL:HG11	14:G:838:CLA:HMB2	1.80	0.63
2:H:503:TRP:CZ2	14:H:831:CLA:HED1	2.34	0.63
8:J:22:THR:HA	8:J:25:ILE:HD12	1.79	0.63
1:Y:313:HIS:HE1	17:Y:846:BCR:H363	1.62	0.63
9:g:24:LEU:HA	9:g:27:ILE:HG22	1.80	0.63
1:A:460:VAL:O	1:A:464:THR:HG23	1.97	0.63
14:G:826:CLA:HAB	17:G:849:BCR:H311	1.81	0.63
9:K:65:PHE:O	9:K:68:LEU:HD23	1.98	0.63
8:S:28:GLU:CD	8:S:31:ARG:NH2	2.56	0.63
1:Y:46:THR:HA	1:Y:49:TRP:HD1	1.63	0.63
14:Y:809:CLA:H93	17:f:103:BCR:H383	1.80	0.63
2:Z:264:THR:HG22	2:Z:363:PHE:CZ	2.34	0.63
4:b:117:ARG:HH21	4:b:123:PRO:HD3	1.63	0.63
14:B:830:CLA:H3A	14:B:831:CLA:OBD	1.99	0.63
1:G:272:TRP:CH2	14:G:817:CLA:HBB1	2.34	0.63
1:G:537:MET:HE1	1:G:644:ILE:HA	1.79	0.63
13:G:801:CL0:H12	14:H:801:CLA:CAD	2.29	0.63
14:H:805:CLA:HMB1	14:H:828:CLA:HBB2	1.80	0.63
1:Y:680:HIS:HB3	14:Y:854:CLA:HBD	1.79	0.63
8:f:31:ARG:HD3	17:f:104:BCR:H312	1.80	0.63
1:A:395:THR:HG22	1:A:610:ILE:HB	1.79	0.63
1:G:588:GLN:HG3	2:H:673:TRP:HB2	1.81	0.63
1:Y:713:VAL:O	6:d:85:LEU:HD13	1.97	0.63
14:Y:806:CLA:H151	14:Y:829:CLA:HBB2	1.81	0.63
2:Z:72:ASN:O	2:Z:76:TRP:HB2	1.98	0.63
17:B:847:BCR:H311	17:B:847:BCR:HC8	1.79	0.63
14:G:802:CLA:H141	14:S:1101:CLA:H201	1.81	0.63
2:H:156:LEU:O	2:H:161:ARG:NH1	2.29	0.63
17:U:1005:BCR:H331	17:U:1005:BCR:C8	2.29	0.63
14:Z:817:CLA:H41	17:Z:845:BCR:H353	1.80	0.63
1:A:650:LEU:HD23	2:B:638:ILE:HD11	1.79	0.63
2:B:539:ILE:HG12	14:B:801:CLA:HMD3	1.80	0.63
2:H:275:HIS:HB2	14:H:816:CLA:C1B	2.28	0.63
14:H:835:CLA:HMA3	14:H:836:CLA:HED2	1.79	0.63
14:Y:841:CLA:H91	17:Z:846:BCR:C19	2.29	0.63
14:Y:855:CLA:H201	14:Z:839:CLA:H62	1.81	0.63
2:B:664:ALA:C	14:B:804:CLA:HAB	2.23	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:97:PHE:HB3	1:G:116:VAL:HG23	1.80	0.63
2:H:60:VAL:HG13	2:H:141:LEU:HD13	1.79	0.63
1:A:514:GLY:HA2	1:A:528:PRO:HB3	1.80	0.62
1:G:280:THR:OG1	1:G:281:PHE:N	2.32	0.62
14:G:803:CLA:OBD	14:H:802:CLA:CMB	2.47	0.62
14:H:836:CLA:HHC	14:H:836:CLA:HBB1	1.80	0.62
1:Y:564:ARG:HD3	3:a:79:ALA:HB3	1.80	0.62
1:Y:683:TRP:CG	13:Y:801:CL0:H5	2.33	0.62
14:Y:804:CLA:HBC2	14:Y:830:CLA:H43	1.80	0.62
14:d:201:CLA:HHC	14:d:201:CLA:HBB1	1.80	0.62
2:H:674:ARG:HD2	2:H:707:SER:HA	1.80	0.62
1:Y:699:GLU:OE1	2:Z:542:LYS:NZ	2.22	0.62
2:Z:146:SER:O	11:i:21:LEU:HD13	1.99	0.62
17:F:201:BCR:H23C	17:F:201:BCR:H383	1.81	0.62
2:Z:166:TRP:HD1	14:Z:810:CLA:HED3	1.63	0.62
1:A:375:TYR:OH	14:A:836:CLA:HBC3	1.99	0.62
2:B:472:LYS:HG2	2:B:475:TYR:CE2	2.34	0.62
1:G:581:PRO:HD2	3:N:51:LYS:HG3	1.80	0.62
1:G:718:GLN:NE2	5:P:15:TYR:OH	2.33	0.62
21:G:904:HOH:O	14:H:801:CLA:HMC2	1.96	0.62
2:Z:441:VAL:HB	14:Z:831:CLA:HMC2	1.80	0.62
9:g:56:LEU:HD13	9:g:59:LEU:HD13	1.81	0.62
14:A:840:CLA:HBA1	18:A:850:LHG:H171	1.81	0.62
14:A:852:CLA:HAB	2:B:588:TRP:CH2	2.35	0.62
1:G:400:ILE:HG23	14:G:806:CLA:H143	1.82	0.62
2:B:44:LYS:NZ	11:M:29:LEU:O	2.31	0.62
2:B:354:HIS:HB3	14:B:817:CLA:HED2	1.82	0.62
14:B:829:CLA:HBB1	14:B:829:CLA:HMB3	1.80	0.62
1:G:583:ARG:HG2	3:N:48:VAL:HG13	1.81	0.62
2:Z:303:MET:HA	14:Z:820:CLA:O1D	2.00	0.62
10:h:134:VAL:HG13	17:h:202:BCR:H403	1.81	0.62
2:B:536:THR:HB	2:B:588:TRP:HB3	1.80	0.62
2:H:178:LEU:HA	2:H:182:PHE:HB2	1.81	0.62
14:Z:833:CLA:C4C	14:Z:834:CLA:HAB	2.30	0.62
1:G:220:SER:O	1:G:224:ASN:ND2	2.33	0.62
14:H:803:CLA:H121	17:H:845:BCR:H362	1.81	0.62
14:G:807:CLA:CBB	17:G:854:BCR:H392	2.29	0.62
1:A:99:ASN:ND2	1:A:110:ILE:HD11	2.13	0.62
1:A:511:VAL:HG23	1:A:526:MET:HG3	1.82	0.62
17:A:845:BCR:H362	17:A:846:BCR:C11	2.30	0.62
2:B:304:MET:HG3	2:B:322:HIS:O	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:384:ALA:HB1	1:G:525:ALA:O	1.99	0.62
17:Y:850:BCR:H382	17:Y:850:BCR:H23C	1.81	0.62
4:b:131:THR:O	4:b:133:LYS:N	2.33	0.62
14:A:834:CLA:HMD1	14:A:835:CLA:HAB	1.81	0.61
2:B:498:VAL:O	2:B:501:PRO:HD2	2.00	0.61
2:H:332:SER:HG	2:H:396:PHE:HD1	1.46	0.61
10:L:35:PRO:HB2	10:L:50:VAL:HG23	1.81	0.61
1:Y:84:PHE:CZ	14:Y:805:CLA:H91	2.34	0.61
2:Z:652:TRP:HE3	2:Z:729:ALA:HA	1.64	0.61
14:Z:817:CLA:H111	14:Z:821:CLA:H41	1.81	0.61
14:A:834:CLA:HED2	14:A:835:CLA:HMA2	1.82	0.61
2:B:383:GLY:C	2:B:589:MET:HE3	2.25	0.61
14:B:830:CLA:HBB2	14:B:839:CLA:HBB1	1.82	0.61
14:H:808:CLA:H52	14:H:826:CLA:H193	1.82	0.61
2:Z:430:LEU:HD11	17:Z:846:BCR:H402	1.82	0.61
10:h:41:LEU:HB2	10:h:46:ARG:CZ	2.30	0.61
2:H:274:HIS:HB3	14:H:816:CLA:HMB2	1.83	0.61
2:H:397:LEU:HD12	2:H:544:ALA:O	2.01	0.61
1:Y:592:TRP:O	1:Y:595:VAL:HG22	1.99	0.61
4:b:131:THR:C	4:b:133:LYS:H	2.08	0.61
2:B:385:LEU:HD21	14:B:807:CLA:H142	1.81	0.61
1:G:366:LEU:HD13	14:G:827:CLA:H42	1.81	0.61
14:G:807:CLA:CAB	17:G:854:BCR:H392	2.30	0.61
3:N:16:CYS:HB2	16:N:102:SF4:S4	2.41	0.61
2:Z:550:SER:HA	6:d:139:SER:HB3	1.82	0.61
2:B:294:PHE:O	2:B:296:ILE:N	2.33	0.61
2:B:383:GLY:CA	2:B:589:MET:HE3	2.31	0.61
2:B:580:ASP:OD1	2:B:712:ARG:NH1	2.33	0.61
14:B:805:CLA:HAB	14:B:807:CLA:CAD	2.30	0.61
2:H:334:HIS:CE1	14:H:828:CLA:HED1	2.35	0.61
4:O:60:ARG:HB2	4:O:63:GLN:HG3	1.82	0.61
2:Z:149:LEU:HD22	11:i:22:ALA:HA	1.81	0.61
1:G:307:LEU:HD12	14:G:818:CLA:HBC2	1.83	0.61
1:Y:337:THR:HG21	18:Y:853:LHG:O1	2.00	0.61
2:Z:202:ARG:HH21	2:Z:237:ASP:CG	2.09	0.61
1:A:56:HIS:ND1	14:A:805:CLA:HAB	2.16	0.61
14:A:852:CLA:H11	2:B:622:LEU:HD12	1.82	0.61
1:G:308:PHE:HE1	14:G:821:CLA:HAB	1.64	0.61
2:H:432:LEU:HD11	14:H:835:CLA:HMB2	1.81	0.61
1:Y:202:ALA:HB2	1:Y:312:GLY:HA3	1.82	0.61
14:Y:829:CLA:H51	14:Y:829:CLA:C3D	2.31	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:301:LYS:NZ	2:Z:327:GLU:OE2	2.33	0.61
1:G:466:ARG:NH2	1:G:645:THR:HG21	2.15	0.61
2:H:668:MET:O	2:H:672:SER:OG	2.18	0.61
7:I:21:LEU:O	7:I:25:VAL:HG23	2.01	0.61
1:Y:450:PHE:CE1	14:Y:838:CLA:HAB	2.33	0.61
2:Z:640:GLY:HA2	2:Z:647:ASN:HD21	1.66	0.61
6:d:87:ALA:HB1	6:d:105:LEU:HD21	1.83	0.61
8:f:1:MET:HE2	8:f:5:LEU:HG	1.83	0.61
1:A:431:ASP:OD1	4:D:46:ALA:N	2.32	0.61
14:A:804:CLA:H91	17:J:104:BCR:H381	1.82	0.61
2:B:339:TRP:CE2	14:B:826:CLA:H91	2.36	0.61
1:Y:438:ASP:O	1:Y:442:SER:OG	2.19	0.61
2:Z:219:ALA:HB1	2:Z:223:PRO:HG2	1.83	0.61
14:Z:815:CLA:O1D	14:Z:816:CLA:HMA3	2.01	0.61
6:Q:110:MET:HE3	14:Q:203:CLA:HMD1	1.81	0.61
10:U:35:PRO:HG2	14:U:1003:CLA:HED2	1.83	0.61
1:Y:205:LEU:HD22	14:Y:819:CLA:HMC3	1.83	0.61
14:Y:855:CLA:CAB	2:Z:665:THR:HG22	2.31	0.61
1:A:189:TRP:CZ2	14:A:813:CLA:HAC2	2.36	0.60
2:B:442:HIS:CD2	2:B:456:ILE:HG13	2.36	0.60
1:G:733:ALA:HA	18:G:851:LHG:H341	1.83	0.60
14:Y:826:CLA:H71	14:Y:835:CLA:HAB	1.81	0.60
2:Z:178:LEU:O	2:Z:283:PHE:HB3	2.00	0.60
4:b:49:MET:HB2	4:b:54:ASN:ND2	2.16	0.60
1:A:323:HIS:HB3	1:A:328:ILE:HD11	1.83	0.60
14:A:833:CLA:H41	14:A:841:CLA:HBC2	1.82	0.60
2:B:210:ASN:O	2:B:214:THR:HG22	2.00	0.60
2:B:491:ALA:HB2	2:B:497:ASN:HD21	1.66	0.60
1:G:280:THR:OG1	1:G:282:ASN:ND2	2.34	0.60
1:G:535:ASP:O	1:G:539:HIS:ND1	2.32	0.60
2:Z:110:ASN:HB3	7:e:3:GLY:HA2	1.83	0.60
2:B:53:LEU:HD22	14:B:813:CLA:HED2	1.82	0.60
2:B:387:VAL:HG11	2:B:586:MET:HG2	1.83	0.60
14:B:808:CLA:H122	17:I:101:BCR:HC21	1.82	0.60
1:Y:601:TRP:HE1	14:Y:855:CLA:C1D	2.14	0.60
2:Z:200:GLU:OE2	2:Z:205:HIS:CE1	2.53	0.60
4:b:117:ARG:NH2	4:b:122:ASN:HA	2.16	0.60
6:d:64:LEU:O	6:d:67:SER:OG	2.18	0.60
2:B:236:PRO:HA	2:B:252:ALA:HB3	1.82	0.60
14:U:1002:CLA:H202	14:U:1002:CLA:CGA	2.32	0.60
14:Y:811:CLA:H193	17:f:103:BCR:H402	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:f:18:TRP:O	8:f:22:THR:N	2.33	0.60
14:A:837:CLA:HBB2	14:A:838:CLA:HBC3	1.84	0.60
17:H:841:BCR:H382	17:H:841:BCR:H23C	1.84	0.60
6:Q:1:ASP:N	6:Q:5:LEU:O	2.22	0.60
14:B:803:CLA:HHC	14:B:803:CLA:HBB1	1.83	0.60
1:G:375:TYR:CZ	14:G:836:CLA:HBC3	2.36	0.60
2:Z:376:THR:HB	14:Z:825:CLA:HMB2	1.84	0.60
2:Z:447:VAL:HG13	2:Z:452:PRO:HG3	1.83	0.60
14:B:810:CLA:HMB3	14:L:202:CLA:CHC	2.31	0.60
5:E:39:ARG:HA	5:E:57:THR:HG22	1.84	0.60
1:Y:149:ALA:HB2	1:Y:381:PRO:HD2	1.83	0.60
1:Y:344:LEU:HA	1:Y:347:VAL:HB	1.84	0.60
17:Z:843:BCR:H23C	17:Z:843:BCR:H383	1.82	0.60
14:G:819:CLA:HMB1	21:G:907:HOH:O	2.01	0.60
14:H:806:CLA:HMB3	14:H:807:CLA:HHB	1.84	0.60
2:H:680:LEU:O	2:H:683:THR:OG1	2.20	0.60
3:N:51:LYS:O	3:N:55:THR:HG23	2.01	0.60
17:U:1007:BCR:H331	17:U:1007:BCR:C8	2.32	0.60
1:Y:74:SER:HA	1:Y:77:PHE:HD2	1.66	0.60
6:d:5:LEU:HD13	6:d:42:LEU:HB3	1.84	0.60
1:A:123:GLN:O	1:A:126:LEU:HG	2.02	0.59
1:A:142:GLY:O	14:A:829:CLA:HED1	2.02	0.59
14:A:826:CLA:HBB2	17:A:848:BCR:H311	1.81	0.59
2:H:710:GLN:HG3	19:H:846:LMG:H111	1.82	0.59
1:A:683:TRP:O	1:A:686:SER:OG	2.11	0.59
1:A:744:TRP:NE1	14:A:828:CLA:O1A	2.35	0.59
1:G:360:LEU:HD23	1:G:407:GLY:C	2.27	0.59
14:G:842:CLA:H61	14:H:837:CLA:H43	1.84	0.59
2:H:29:ASP:OD2	2:H:32:SER:OG	2.13	0.59
4:O:10:TYR:OH	4:O:44:ALA:O	2.19	0.59
10:U:37:TYR:O	10:U:39:GLN:NE2	2.34	0.59
1:Y:279:LEU:HD22	1:Y:299:HIS:HA	1.84	0.59
2:H:465:PHE:CG	12:W:30:TYR:HD1	2.20	0.59
1:Y:564:ARG:HB3	3:a:79:ALA:HB3	1.83	0.59
2:Z:181:LEU:HD13	14:Z:811:CLA:HHB	1.84	0.59
1:A:56:HIS:HD1	14:A:805:CLA:HAB	1.68	0.59
2:B:693:LEU:HD23	10:L:37:TYR:HE2	1.67	0.59
10:U:110:PRO:O	10:U:113:THR:OG1	2.11	0.59
1:A:268:PHE:HA	14:K:101:CLA:HAC1	1.83	0.59
14:Y:829:CLA:C7	21:Y:907:HOH:O	2.51	0.59
14:Y:833:CLA:H41	14:Y:842:CLA:HBC2	1.82	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:Y:848:BCR:H321	17:Y:848:BCR:HC8	1.84	0.59
14:Z:806:CLA:HMC2	14:Z:806:CLA:H92	1.83	0.59
17:h:202:BCR:H363	14:h:205:CLA:HBA2	1.85	0.59
1:A:49:TRP:CG	1:A:726:GLN:HE22	2.20	0.59
14:A:840:CLA:HHC	14:A:840:CLA:HBB1	1.83	0.59
2:B:391:ALA:O	2:B:395:ILE:HG13	2.02	0.59
1:Y:564:ARG:O	4:b:60:ARG:NH1	2.35	0.59
14:Z:832:CLA:C1D	14:Z:833:CLA:HAB	2.32	0.59
1:A:44:THR:OG1	5:E:52:ALA:O	2.12	0.59
1:G:90:MET:HE3	1:G:90:MET:HA	1.85	0.59
2:H:518:ILE:HG22	2:H:522:ASP:OD2	2.02	0.59
14:Z:807:CLA:HAB	14:Z:808:CLA:HAA2	1.83	0.59
1:A:681:PHE:CG	17:A:849:BCR:H363	2.38	0.59
14:B:819:CLA:H52	14:B:824:CLA:H91	1.84	0.59
14:G:819:CLA:CBB	21:G:907:HOH:O	2.05	0.59
1:Y:84:PHE:CE2	14:Y:805:CLA:H91	2.37	0.59
1:Y:511:VAL:HG21	1:Y:518:VAL:HG23	1.85	0.59
1:Y:565:LEU:HD13	2:Z:678:GLN:HG2	1.83	0.59
14:Y:854:CLA:CAB	2:Z:588:TRP:CH2	2.84	0.59
14:Y:855:CLA:HAB	2:Z:665:THR:CA	2.32	0.59
14:Z:827:CLA:HED2	14:Z:827:CLA:H2A	1.84	0.59
1:G:351:SER:OG	1:G:419:ASP:OD2	2.19	0.59
2:H:583:TYR:CE1	2:H:712:ARG:HB3	2.38	0.59
3:N:20:CYS:HA	16:N:101:SF4:S4	2.43	0.59
17:Y:849:BCR:H403	17:Y:849:BCR:H23C	1.85	0.59
2:Z:329:TYR:HB3	14:Z:822:CLA:HBC3	1.83	0.59
2:Z:470:HIS:HB3	14:Z:832:CLA:HED1	1.85	0.59
4:b:61:LYS:HE3	4:b:94:ILE:HD12	1.85	0.59
1:A:523:LYS:HA	1:A:624:THR:HA	1.85	0.59
14:G:802:CLA:HMA3	14:G:802:CLA:H51	1.84	0.59
2:H:728:ALA:O	2:H:732:ILE:HG12	2.03	0.59
1:A:437:ARG:HH12	1:A:562:SER:HB2	1.68	0.58
4:D:10:TYR:HD1	4:D:47:ALA:HB2	1.68	0.58
2:H:119:VAL:HG22	2:H:123:TRP:CZ2	2.37	0.58
2:H:276:HIS:HA	2:H:279:ILE:HG12	1.84	0.58
2:Z:559:PHE:HZ	3:a:65:ARG:HE	1.50	0.58
14:Z:836:CLA:H8	17:d:203:BCR:H372	1.85	0.58
17:e:101:BCR:H311	17:e:101:BCR:HC8	1.85	0.58
5:E:23:VAL:HG12	5:E:38:VAL:HG22	1.83	0.58
14:G:818:CLA:H43	14:G:834:CLA:HAA2	1.85	0.58
2:H:318:PHE:CD1	14:H:821:CLA:HAB	2.38	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:U:1004:CLA:HAB	14:Y:834:CLA:C9	2.33	0.58
1:Y:444:LEU:HD13	14:Y:839:CLA:C3B	2.32	0.58
14:Y:806:CLA:HMA2	14:Y:830:CLA:C3B	2.33	0.58
1:A:579:ASP:OD2	3:C:52:ARG:NH2	2.32	0.58
2:B:419:GLU:OE2	6:F:141:ARG:NH2	2.35	0.58
1:G:237:PRO:HG2	1:G:242:PHE:CZ	2.38	0.58
14:G:818:CLA:CHD	21:G:907:HOH:O	2.50	0.58
6:d:52:VAL:HG22	6:d:54:ASP:HB2	1.85	0.58
14:A:841:CLA:HHC	14:A:841:CLA:HBB1	1.85	0.58
14:B:835:CLA:CHD	14:B:836:CLA:HAB	2.33	0.58
14:G:802:CLA:H3A	14:G:802:CLA:CGA	2.32	0.58
2:Z:176:HIS:HB3	14:Z:811:CLA:CAB	2.33	0.58
2:Z:351:VAL:HG12	14:Z:816:CLA:C2	2.33	0.58
10:h:20:PRO:HB2	10:h:21:ILE:HD12	1.84	0.58
2:B:52:HIS:CE1	14:B:806:CLA:HMA2	2.38	0.58
1:G:121:VAL:HG12	14:H:830:CLA:CMD	2.33	0.58
1:G:309:ILE:HG22	1:G:313:HIS:HE1	1.69	0.58
1:G:698:GLN:NE2	1:G:720:ARG:HA	2.16	0.58
14:H:826:CLA:CGA	14:H:826:CLA:H3A	2.33	0.58
9:K:63:THR:O	9:K:67:HIS:ND1	2.36	0.58
9:T:43:LEU:HG	9:T:57:PRO:HD2	1.84	0.58
17:V:1202:BCR:H321	17:V:1202:BCR:HC8	1.84	0.58
1:Y:527:MET:HB2	1:Y:528:PRO:HD2	1.86	0.58
1:Y:602:MET:HG2	14:Y:826:CLA:HBC1	1.86	0.58
6:d:54:ASP:OD1	6:d:56:ARG:NH2	2.35	0.58
8:f:11:ALA:N	8:f:12:PRO:HD2	2.18	0.58
2:H:73:PHE:HB3	2:H:131:ASN:HD21	1.69	0.58
2:H:721:VAL:O	2:H:725:LEU:HG	2.03	0.58
1:Y:324:SER:O	1:Y:327:GLU:N	2.37	0.58
1:Y:329:LEU:HD12	1:Y:345:TYR:HB2	1.84	0.58
1:Y:471:PRO:HA	1:Y:474:MET:HE2	1.85	0.58
1:Y:681:PHE:CD2	17:Y:851:BCR:H363	2.38	0.58
1:Y:710:LYS:HE2	6:d:130:THR:OG1	2.04	0.58
14:Y:854:CLA:H42	2:Z:441:VAL:HG22	1.85	0.58
2:Z:91:TRP:CZ2	7:e:12:TRP:HA	2.39	0.58
6:d:86:ILE:O	6:d:90:ASN:ND2	2.35	0.58
2:H:466:ILE:HD11	14:H:834:CLA:C2	2.34	0.58
14:L:205:CLA:C1B	14:L:206:CLA:HED1	2.33	0.58
3:N:33:CYS:SG	3:N:34:LYS:N	2.76	0.58
1:Y:386:ASP:OD2	1:Y:389:THR:HG23	2.04	0.58
1:Y:619:SER:OG	1:Y:639:PHE:HB2	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:b:37:GLN:O	4:b:49:MET:HG2	2.04	0.58
4:b:81:LYS:HB3	4:b:93:LEU:HD21	1.86	0.58
17:d:203:BCR:H23C	17:d:203:BCR:H383	1.84	0.58
9:g:22:CYS:HA	9:g:25:PHE:CD2	2.39	0.58
10:h:131:SER:HA	10:h:134:VAL:HG22	1.85	0.58
1:A:189:TRP:CD1	14:A:812:CLA:HED2	2.39	0.58
1:A:189:TRP:CE2	14:A:813:CLA:HAC2	2.39	0.58
1:G:702:GLU:O	1:G:705:VAL:HG22	2.04	0.58
14:H:805:CLA:HED1	14:H:828:CLA:H43	1.85	0.58
14:H:809:CLA:O2A	10:U:148:ILE:HG23	2.04	0.58
1:Y:121:VAL:HG22	14:Z:831:CLA:HMD1	1.85	0.58
1:Y:689:PHE:HA	15:Y:844:PQN:H9	1.84	0.58
3:a:6:ILE:HD12	4:b:113:ASN:O	2.04	0.58
1:A:253:TYR:HB2	1:A:258:TRP:HZ2	1.68	0.58
14:A:829:CLA:HMD1	14:A:829:CLA:H92	1.86	0.58
17:A:846:BCR:H321	17:A:846:BCR:HC8	1.85	0.58
17:S:1104:BCR:H403	17:S:1104:BCR:C23	2.33	0.58
1:Y:435:ARG:HD2	4:b:12:GLY:O	2.03	0.58
2:Z:166:TRP:CD1	14:Z:810:CLA:HED3	2.39	0.58
17:f:105:BCR:H331	17:f:105:BCR:HC8	1.86	0.58
1:A:218:HIS:O	1:A:222:PRO:HG2	2.03	0.58
1:A:255:LYS:NZ	1:A:273:ALA:O	2.31	0.58
1:A:651:ARG:HB2	2:B:638:ILE:HG13	1.86	0.58
14:H:832:CLA:NC	14:H:833:CLA:HAB	2.18	0.58
17:L:208:BCR:H403	17:L:208:BCR:C23	2.33	0.58
10:h:49:GLU:HB2	14:h:205:CLA:HED3	1.85	0.58
1:G:593:ASP:HA	1:G:596:PHE:HB3	1.86	0.57
14:G:819:CLA:H202	14:G:834:CLA:H51	1.85	0.57
10:L:62:TRP:O	10:L:66:GLY:HA3	2.03	0.57
1:Y:399:TRP:HE1	14:Y:828:CLA:HAB	1.67	0.57
2:Z:126:ILE:HG22	14:Z:816:CLA:HED2	1.85	0.57
1:A:463:ASP:CG	1:A:646:ILE:H	2.12	0.57
2:B:133:ASP:CG	2:B:205:HIS:HE2	2.13	0.57
2:B:288:HIS:O	14:B:820:CLA:HED1	2.04	0.57
2:B:548:ARG:HD3	6:F:141:ARG:OXT	2.04	0.57
14:B:814:CLA:HMA3	17:B:845:BCR:H282	1.86	0.57
2:H:239:ALA:O	2:H:262:PRO:HG2	2.04	0.57
2:Z:45:ILE:HG21	14:Z:804:CLA:H201	1.85	0.57
3:a:16:CYS:HB3	16:a:102:SF4:S4	2.44	0.57
1:A:216:GLN:O	1:A:220:SER:OG	2.09	0.57
1:A:416:MET:HE1	1:A:434:LEU:HD11	1.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:701:ILE:HA	1:A:704:ILE:HD12	1.86	0.57
1:G:699:GLU:O	1:G:702:GLU:HB2	2.04	0.57
2:H:341:LEU:HG	14:H:804:CLA:HED1	1.87	0.57
11:M:22:ALA:O	11:M:26:SER:OG	2.22	0.57
3:N:23:ASP:HB3	4:O:61:LYS:HE2	1.85	0.57
1:Y:487:ALA:O	1:Y:491:GLN:HG3	2.04	0.57
2:Z:243:PHE:CD1	2:Z:264:THR:HG21	2.39	0.57
2:Z:592:THR:O	2:Z:596:VAL:HG23	2.03	0.57
2:Z:652:TRP:O	2:Z:656:PHE:HB2	2.04	0.57
14:Z:806:CLA:H203	17:i:101:BCR:C31	2.35	0.57
14:Z:821:CLA:HAB	14:Z:828:CLA:CMD	2.28	0.57
14:B:831:CLA:HMC2	14:B:839:CLA:HAC1	1.85	0.57
6:F:100:ILE:HG22	8:J:10:THR:HG22	1.86	0.57
1:G:341:HIS:HD1	1:G:429:VAL:HG21	1.69	0.57
2:H:122:TRP:HA	2:H:361:TYR:CD1	2.39	0.57
2:H:318:PHE:HA	14:H:821:CLA:CAB	2.34	0.57
2:H:440:TYR:CZ	2:H:524:LEU:HB3	2.40	0.57
2:H:548:ARG:NH2	4:O:124:ASN:OD1	2.37	0.57
14:H:835:CLA:CMA	14:H:836:CLA:HED2	2.34	0.57
17:I:101:BCR:H382	17:I:101:BCR:H23C	1.85	0.57
1:Y:677:LEU:HB3	14:Y:854:CLA:H2	1.87	0.57
2:Z:20:ILE:HG12	7:e:34:ILE:HD12	1.85	0.57
1:A:162:ALA:O	1:A:166:LEU:HG	2.05	0.57
1:G:684:ALA:C	14:G:802:CLA:HAB	2.30	0.57
2:H:198:ILE:HG12	2:H:269:LEU:HB3	1.86	0.57
2:H:347:ILE:HA	2:H:350:LEU:HB3	1.86	0.57
10:U:63:VAL:HG22	10:U:75:ASN:HA	1.87	0.57
2:Z:269:LEU:H	2:Z:269:LEU:HD12	1.70	0.57
6:d:116:TRP:N	6:d:117:PRO:HD2	2.20	0.57
1:A:367:SER:O	1:A:397:HIS:HB3	2.05	0.57
14:B:815:CLA:HMA1	17:B:845:BCR:C10	2.35	0.57
1:G:445:ASN:ND2	14:H:803:CLA:HED3	2.20	0.57
2:H:640:GLY:HA2	2:H:647:ASN:HD21	1.69	0.57
1:Y:362:MET:O	1:Y:366:LEU:HB2	2.05	0.57
14:Y:819:CLA:CHA	21:Y:907:HOH:O	2.49	0.57
1:A:395:THR:OG1	14:A:828:CLA:HMB2	2.04	0.57
2:B:217:HIS:HB2	2:B:253:ILE:HD13	1.86	0.57
1:G:674:LEU:O	14:H:801:CLA:H62	2.05	0.57
2:H:443:ASN:HB3	2:H:455:GLN:HE21	1.70	0.57
2:H:453:GLU:HA	6:Q:48:LEU:HD22	1.86	0.57
7:I:19:CYS:HB3	14:L:202:CLA:HBB2	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:294:LEU:HA	1:Y:297:THR:HG22	1.85	0.57
1:Y:661:VAL:HG21	1:Y:746:PHE:HA	1.86	0.57
2:Z:62:GLY:HA3	14:Z:806:CLA:HAB	1.86	0.57
1:G:281:PHE:O	1:G:505:ALA:HA	2.04	0.57
1:G:365:SER:O	1:G:369:ILE:HG13	2.04	0.57
1:G:536:PHE:HA	14:G:837:CLA:HED2	1.87	0.57
1:G:683:TRP:CD2	13:G:801:CL0:H6	2.38	0.57
14:G:804:CLA:HBC1	18:G:851:LHG:H142	1.86	0.57
2:H:525:VAL:HG11	2:H:599:TYR:HB2	1.86	0.57
17:R:101:BCR:H382	17:R:101:BCR:H23C	1.85	0.57
17:U:1005:BCR:H392	17:U:1005:BCR:H23C	1.87	0.57
1:Y:56:HIS:CG	14:Y:805:CLA:HAB	2.40	0.57
2:Z:596:VAL:CG1	14:Z:835:CLA:HAB	2.33	0.57
14:Z:805:CLA:HHB	14:Z:827:CLA:CBB	2.35	0.57
14:A:811:CLA:HBB1	14:A:811:CLA:HHC	1.85	0.57
1:G:97:PHE:O	1:G:114:ALA:HA	2.05	0.57
1:G:443:HIS:O	1:G:447:VAL:HG23	2.04	0.57
14:G:805:CLA:H62	14:G:813:CLA:H12	1.87	0.57
2:H:241:HIS:CE1	2:H:249:ALA:HB2	2.39	0.57
2:H:693:LEU:HD23	10:h:37:TYR:HE1	1.67	0.57
14:H:806:CLA:HED2	7:R:11:PRO:HB3	1.87	0.57
4:O:67:LEU:O	4:O:71:GLN:HB2	2.04	0.57
1:Y:297:THR:O	1:Y:301:HIS:CD2	2.58	0.57
2:Z:663:TRP:CD2	14:Z:802:CLA:HMA2	2.38	0.57
3:a:22:THR:HG21	3:a:48:VAL:HG13	1.86	0.57
10:h:20:PRO:O	10:h:24:SER:OG	2.09	0.57
14:B:825:CLA:C2B	17:B:847:BCR:H363	2.35	0.57
2:H:193:LEU:HA	2:H:197:ALA:HB3	1.87	0.57
2:H:442:HIS:CD2	2:H:456:ILE:HG13	2.40	0.57
14:H:822:CLA:HMD2	14:H:823:CLA:HAB	1.87	0.57
14:A:806:CLA:H91	18:A:850:LHG:H331	1.87	0.56
1:G:157:GLN:O	1:G:161:THR:HG23	2.04	0.56
1:G:223:ILE:HG23	1:G:236:ILE:HD13	1.87	0.56
10:L:35:PRO:HG3	10:L:49:GLU:CD	2.29	0.56
1:Y:484:PRO:HD2	1:Y:488:GLN:NE2	2.20	0.56
2:Z:380:TYR:CD1	14:Z:825:CLA:HAB	2.40	0.56
2:Z:625:TRP:O	2:Z:629:TYR:HB3	2.04	0.56
17:A:848:BCR:H382	17:A:848:BCR:H23C	1.86	0.56
14:H:825:CLA:C4B	14:H:831:CLA:HMA3	2.34	0.56
14:H:835:CLA:H93	14:H:836:CLA:HBC1	1.87	0.56
1:Y:497:ALA:HB3	1:Y:498:PRO:HD3	1.86	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:351:VAL:HG12	14:Z:816:CLA:C3	2.35	0.56
2:Z:542:LYS:HD3	2:Z:543:GLY:N	2.20	0.56
2:B:60:VAL:HG23	2:B:141:LEU:HD12	1.86	0.56
2:B:149:LEU:HD22	11:M:22:ALA:HA	1.86	0.56
2:B:651:VAL:HG21	14:B:809:CLA:HAC1	1.86	0.56
2:H:555:ASP:OD2	3:N:65:ARG:NH1	2.38	0.56
17:L:209:BCR:C38	17:L:209:BCR:H23C	2.35	0.56
11:M:13:VAL:HA	11:M:16:LEU:HD12	1.86	0.56
8:S:41:LEU:HA	14:S:1103:CLA:HED1	1.86	0.56
10:U:103:LYS:HE2	7:e:37:GLU:CD	2.30	0.56
1:Y:70:ARG:HG2	1:Y:184:ALA:HB1	1.87	0.56
1:Y:697:TRP:HZ3	14:Z:801:CLA:O1D	1.88	0.56
14:Y:842:CLA:HMD3	17:Y:856:BCR:H383	1.87	0.56
14:Y:843:CLA:HBC2	14:Y:843:CLA:HHD	1.88	0.56
14:Y:855:CLA:HMA3	14:Y:855:CLA:C2	2.35	0.56
2:Z:67:VAL:HG11	2:Z:123:TRP:CZ3	2.32	0.56
2:Z:139:ILE:O	2:Z:142:LEU:HB2	2.05	0.56
2:Z:339:TRP:CH2	17:Z:844:BCR:H372	2.39	0.56
2:Z:428:VAL:O	2:Z:432:LEU:N	2.37	0.56
14:Z:804:CLA:H142	14:Z:822:CLA:CAD	2.35	0.56
14:A:805:CLA:H41	14:A:805:CLA:H72	1.87	0.56
14:A:808:CLA:C3D	14:A:828:CLA:HBA1	2.35	0.56
14:A:837:CLA:CBB	14:A:838:CLA:HBC3	2.35	0.56
14:B:810:CLA:CMA	14:L:202:CLA:HAB	2.34	0.56
1:G:357:ALA:HA	1:G:408:GLY:HA2	1.87	0.56
1:G:519:ALA:HB1	1:G:625:VAL:HG21	1.85	0.56
6:Q:17:ARG:NH2	6:Q:46:ASP:O	2.32	0.56
1:Y:433:VAL:HA	1:Y:436:HIS:CE1	2.41	0.56
2:Z:647:ASN:HD22	2:Z:649:LEU:H	1.53	0.56
10:h:38:ARG:O	10:h:46:ARG:NH1	2.30	0.56
14:A:805:CLA:H142	17:A:846:BCR:H372	1.86	0.56
3:C:28:VAL:HG12	4:D:109:ARG:HB3	1.87	0.56
1:G:141:SER:CB	1:G:143:LEU:HG	2.36	0.56
1:G:460:VAL:O	1:G:464:THR:OG1	2.22	0.56
1:G:593:ASP:OD1	1:G:728:ARG:NH1	2.39	0.56
1:G:649:TRP:O	1:G:653:PHE:HB3	2.06	0.56
14:G:842:CLA:HMD1	2:H:684:LEU:HD13	1.88	0.56
2:H:50:PHE:CE1	14:H:810:CLA:HBB1	2.41	0.56
2:H:441:VAL:HG22	14:H:801:CLA:H42	1.86	0.56
17:T:102:BCR:H331	17:T:102:BCR:C8	2.35	0.56
1:Y:224:ASN:O	1:Y:228:ASP:N	2.37	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:561:ARG:HD2	1:Y:570:ALA:HB2	1.88	0.56
1:Y:616:LYS:NZ	1:Y:620:ASP:OD2	2.35	0.56
2:Z:360:PRO:HG3	14:Z:816:CLA:HBA1	1.86	0.56
14:A:802:CLA:H2	2:B:661:LEU:HD22	1.88	0.56
2:B:260:PHE:CZ	2:B:358:LEU:HD23	2.40	0.56
2:H:414:VAL:HA	2:H:417:HIS:CE1	2.40	0.56
17:H:842:BCR:H23C	17:H:842:BCR:H383	1.87	0.56
1:Y:416:MET:O	1:Y:420:TYR:HB3	2.04	0.56
14:Z:837:CLA:HBC2	14:j:102:CLA:HBC3	1.87	0.56
3:a:6:ILE:HG21	3:a:39:ALA:HB3	1.87	0.56
1:A:699:GLU:HB2	2:B:542:LYS:NZ	2.20	0.56
14:H:835:CLA:H3A	14:H:836:CLA:OBD	2.05	0.56
1:Y:345:TYR:O	1:Y:349:THR:HG22	2.05	0.56
1:Y:354:ALA:HB1	17:Y:849:BCR:H313	1.88	0.56
4:b:6:GLN:HB3	4:b:50:ARG:NH1	2.20	0.56
14:f:102:CLA:C3D	17:f:105:BCR:H383	2.34	0.56
1:A:354:ALA:HB2	1:A:415:PHE:CD1	2.41	0.56
2:B:459:GLU:HG3	6:F:5:LEU:HD21	1.87	0.56
1:G:177:TRP:HB2	14:G:811:CLA:HMC2	1.88	0.56
1:G:216:GLN:OE1	1:G:297:THR:OG1	2.22	0.56
1:G:466:ARG:HB2	1:G:474:MET:HE1	1.88	0.56
3:N:53:CYS:HB2	3:N:64:ILE:HD13	1.88	0.56
1:Y:141:SER:OG	14:Y:808:CLA:O1D	2.18	0.56
2:Z:652:TRP:CE3	2:Z:729:ALA:HA	2.40	0.56
14:A:839:CLA:HHC	14:A:839:CLA:HBB1	1.87	0.56
2:B:304:MET:HG2	2:B:325:ILE:HG22	1.88	0.56
2:B:368:HIS:CE1	2:B:608:TRP:CD1	2.94	0.56
2:B:379:GLN:OE1	2:B:379:GLN:HA	2.06	0.56
2:B:431:PHE:CD2	14:B:838:CLA:HBB2	2.40	0.56
4:D:123:PRO:HB3	4:D:127:GLN:NE2	2.20	0.56
1:G:289:THR:HB	1:G:381:PRO:HB3	1.88	0.56
14:H:816:CLA:H43	14:H:831:CLA:CGD	2.36	0.56
14:H:820:CLA:CBB	14:H:821:CLA:HBC2	2.35	0.56
3:N:4:VAL:HG12	3:N:66:VAL:HG13	1.88	0.56
1:Y:307:LEU:HD12	14:Y:818:CLA:HBC2	1.86	0.56
17:Y:848:BCR:C23	17:Y:848:BCR:H383	2.35	0.56
14:Z:828:CLA:HAC2	17:Z:844:BCR:H402	1.88	0.56
1:A:433:VAL:HA	1:A:436:HIS:CE1	2.42	0.56
2:H:390:PHE:CZ	14:H:824:CLA:HAB	2.38	0.56
2:H:566:ASP:OD2	3:N:65:ARG:NH2	2.38	0.56
14:H:814:CLA:C1C	17:H:840:BCR:H312	2.35	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:651:ARG:HA	1:Y:655:TRP:HB3	1.87	0.56
14:Y:807:CLA:CGD	14:Y:809:CLA:HED1	2.36	0.56
2:Z:90:ILE:HD13	14:Z:808:CLA:HMD2	1.87	0.56
2:Z:425:LEU:CG	14:Z:837:CLA:HAB	2.31	0.56
14:Z:831:CLA:O1A	8:f:36:LEU:HB2	2.06	0.56
10:h:41:LEU:HB2	10:h:46:ARG:NH1	2.21	0.56
2:B:375:TYR:CE2	2:B:379:GLN:HG3	2.41	0.55
2:B:469:ALA:O	2:B:481:LEU:HD12	2.06	0.55
14:H:807:CLA:O1A	14:H:826:CLA:HAA1	2.07	0.55
10:L:57:PHE:O	10:L:60:GLY:N	2.36	0.55
10:L:137:PHE:CE2	10:U:79:LEU:HD23	2.41	0.55
1:Y:86:TRP:CD1	14:Y:806:CLA:HBC1	2.41	0.55
14:Z:829:CLA:HMC2	14:Z:837:CLA:HAC1	1.88	0.55
6:d:72:TYR:OH	6:d:114:PHE:O	2.16	0.55
1:A:647:ASN:HD22	2:B:657:LEU:HD11	1.70	0.55
2:B:472:LYS:HG2	2:B:475:TYR:HE2	1.71	0.55
6:F:84:TYR:O	6:F:88:VAL:HG22	2.05	0.55
1:G:531:LEU:HD23	1:G:535:ASP:OD2	2.05	0.55
2:B:491:ALA:HA	14:B:835:CLA:HMD1	1.87	0.55
1:G:313:HIS:HB3	14:G:820:CLA:HED1	1.88	0.55
10:L:66:GLY:O	10:L:69:ARG:HG2	2.06	0.55
2:Z:42:TYR:OH	2:Z:168:LYS:NZ	2.38	0.55
14:Z:835:CLA:HMB1	14:Z:837:CLA:HED1	1.89	0.55
6:d:84:TYR:O	6:d:88:VAL:HG22	2.05	0.55
1:A:31:PRO:HB3	14:A:803:CLA:HAC1	1.88	0.55
1:A:223:ILE:HG22	1:A:227:LEU:HD12	1.89	0.55
1:A:336:PHE:O	1:A:432:ARG:NH2	2.40	0.55
1:A:685:PHE:HA	14:B:801:CLA:HAB	1.87	0.55
14:A:802:CLA:HED2	2:B:660:HIS:CD2	2.41	0.55
2:B:490:THR:O	2:B:495:TYR:HA	2.06	0.55
2:H:199:PRO:HB3	2:H:204:GLN:OE1	2.06	0.55
2:H:253:ILE:O	2:H:254:LEU:HD23	2.07	0.55
5:P:24:ALA:N	5:P:37:ILE:O	2.35	0.55
14:Y:803:CLA:H8	8:f:16:ALA:HA	1.87	0.55
2:Z:428:VAL:HA	2:Z:431:PHE:HB3	1.89	0.55
2:B:122:TRP:CZ2	14:B:813:CLA:H191	2.42	0.55
4:D:95:HIS:CB	4:D:96:PRO:HD3	2.34	0.55
1:Y:97:PHE:O	1:Y:114:ALA:HA	2.07	0.55
3:a:80:TYR:OXT	4:b:20:ALA:HB2	2.07	0.55
1:A:744:TRP:O	1:A:748:LEU:HG	2.07	0.55
14:A:841:CLA:H151	10:L:85:LEU:HD11	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:648:GLY:O	1:G:652:ASP:N	2.39	0.55
2:H:278:ALA:CB	14:H:816:CLA:HAB	2.37	0.55
17:Y:846:BCR:H402	9:g:65:PHE:HB2	1.88	0.55
2:Z:52:HIS:CE1	14:Z:804:CLA:HMA2	2.42	0.55
17:d:203:BCR:H383	17:d:203:BCR:C23	2.37	0.55
1:A:363:MET:HE1	14:A:829:CLA:HBC3	1.87	0.55
1:G:26:GLU:HA	8:S:3:HIS:CG	2.41	0.55
17:G:846:BCR:H321	17:G:846:BCR:HC8	1.89	0.55
3:N:27:MET:HE3	3:N:37:GLN:HG3	1.88	0.55
6:Q:34:ARG:NH1	8:S:35:ASP:OD2	2.36	0.55
1:Y:143:LEU:O	1:Y:147:TRP:N	2.35	0.55
1:Y:437:ARG:HH22	1:Y:562:SER:HB2	1.72	0.55
1:A:618:GLN:OE1	1:A:657:GLN:NE2	2.39	0.55
1:A:651:ARG:HD3	2:B:639:ASN:ND2	2.22	0.55
2:B:46:PHE:O	2:B:49:HIS:HB2	2.06	0.55
2:B:367:ASP:O	2:B:371:MET:HG2	2.07	0.55
2:B:434:PHE:HZ	17:F:201:BCR:H372	1.72	0.55
2:H:109:SER:OG	7:R:4:SER:OG	2.21	0.55
2:H:175:ASN:HB3	14:H:819:CLA:HMD1	1.89	0.55
1:Y:254:PRO:C	1:Y:256:VAL:H	2.15	0.55
1:Y:437:ARG:CZ	4:b:44:ALA:HB2	2.36	0.55
14:Y:821:CLA:C2B	21:Y:904:HOH:O	2.36	0.55
3:a:65:ARG:HG2	4:b:119:ILE:HD11	1.88	0.55
1:A:203:GLY:HA2	14:A:820:CLA:HBC1	1.89	0.55
17:A:846:BCR:H321	17:A:846:BCR:C8	2.37	0.55
2:B:427:TRP:O	2:B:431:PHE:N	2.37	0.55
2:B:678:GLN:OE1	2:B:705:ALA:N	2.33	0.55
1:G:685:PHE:HZ	14:G:841:CLA:HBC2	1.71	0.55
14:H:824:CLA:C2B	17:H:844:BCR:H363	2.36	0.55
14:H:835:CLA:H18	17:Q:204:BCR:H383	1.89	0.55
9:K:61:ALA:HA	9:K:64:SER:OG	2.07	0.55
9:T:76:GLY:O	9:T:77:LEU:HD12	2.07	0.55
1:Y:66:GLU:HG3	1:Y:187:LEU:H	1.71	0.55
14:Y:823:CLA:HBC1	14:Y:827:CLA:H141	1.89	0.55
17:Y:848:BCR:H383	17:Y:848:BCR:H23C	1.88	0.55
14:Z:813:CLA:NC	17:Z:841:BCR:H312	2.22	0.55
8:f:27:ILE:HG21	17:f:104:BCR:C10	2.37	0.55
17:f:104:BCR:H321	17:f:104:BCR:C8	2.36	0.55
1:A:201:LEU:O	1:A:308:PHE:HB3	2.07	0.55
14:A:832:CLA:OBD	10:L:19:THR:HG21	2.07	0.55
5:E:7:VAL:HB	5:E:65:VAL:HB	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:819:CLA:H121	14:G:821:CLA:CBB	2.37	0.55
2:H:589:MET:O	2:H:593:ILE:HG12	2.06	0.55
14:L:206:CLA:HAC2	17:L:208:BCR:H382	1.87	0.55
6:Q:72:TYR:OH	6:Q:114:PHE:O	2.16	0.55
1:Y:625:VAL:HG22	1:Y:631:VAL:HG22	1.88	0.55
2:Z:14:ASP:OD1	2:Z:16:THR:HG22	2.06	0.55
2:Z:354:HIS:CE1	14:Z:815:CLA:OBD	2.58	0.55
2:Z:661:LEU:O	2:Z:665:THR:HG23	2.07	0.55
1:A:468:PHE:CE2	2:B:94:GLN:HB3	2.42	0.54
2:B:395:ILE:HG12	2:B:561:TYR:CD2	2.41	0.54
2:B:663:TRP:CD2	14:B:803:CLA:CMA	2.91	0.54
6:F:42:LEU:HD22	6:F:52:VAL:HG21	1.88	0.54
2:H:54:ALA:CB	2:H:149:LEU:HG	2.37	0.54
2:H:361:TYR:CE2	14:H:827:CLA:HED2	2.42	0.54
2:H:480:LEU:HD12	2:H:488:ALA:HB2	1.89	0.54
2:H:633:ASN:HB3	2:H:734:SER:HB2	1.89	0.54
1:Y:213:ALA:HA	1:Y:216:GLN:HB2	1.88	0.54
1:Y:674:LEU:HD13	2:Z:445:VAL:HG22	1.89	0.54
14:A:802:CLA:OBD	14:B:803:CLA:HMB3	2.08	0.54
14:A:818:CLA:H2	14:A:827:CLA:HBB2	1.88	0.54
2:B:194:ILE:HD13	14:B:815:CLA:CAC	2.37	0.54
1:G:90:MET:HE1	14:G:808:CLA:H2A	1.88	0.54
1:G:189:TRP:CZ2	14:G:810:CLA:HMA1	2.41	0.54
1:G:216:GLN:HA	1:G:220:SER:HB3	1.90	0.54
17:Q:204:BCR:H331	17:Q:204:BCR:C8	2.37	0.54
8:S:11:ALA:N	8:S:12:PRO:HD2	2.21	0.54
9:T:20:ILE:HD12	9:T:21:LEU:HB2	1.90	0.54
1:Y:149:ALA:HB2	1:Y:381:PRO:CD	2.36	0.54
2:Z:243:PHE:CE1	2:Z:269:LEU:HD11	2.43	0.54
2:Z:424:HIS:O	2:Z:428:VAL:HG22	2.08	0.54
6:d:113:GLY:O	6:d:116:TRP:HD1	1.90	0.54
1:A:604:ASN:O	1:A:608:VAL:HG23	2.07	0.54
1:A:699:GLU:O	1:A:702:GLU:HB2	2.06	0.54
2:B:494:ASN:HD22	2:B:496:GLY:H	1.54	0.54
3:C:64:ILE:HB	16:C:102:SF4:S3	2.48	0.54
1:G:379:PRO:HG3	14:G:819:CLA:CBA	2.37	0.54
2:H:271:ASP:HB3	14:H:816:CLA:HMA1	1.89	0.54
14:H:808:CLA:H202	17:R:102:BCR:H311	1.88	0.54
9:T:24:LEU:O	9:T:69:LEU:HD21	2.07	0.54
1:Y:690:LEU:HB3	2:Z:671:ILE:HG12	1.88	0.54
2:Z:92:ASP:OD1	2:Z:94:GLN:NE2	2.34	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:27:ALA:O	2:B:33:HIS:HE1	1.91	0.54
17:B:845:BCR:H321	17:B:845:BCR:HC8	1.88	0.54
1:G:448:CYS:O	1:G:452:GLY:N	2.41	0.54
2:H:582:PHE:CE1	2:H:586:MET:HE3	2.42	0.54
8:J:11:ALA:N	8:J:12:PRO:HD2	2.23	0.54
2:Z:375:TYR:CE2	2:Z:379:GLN:HG3	2.42	0.54
4:b:13:SER:OG	4:b:14:THR:N	2.38	0.54
1:A:20:PRO:HD3	1:A:182:LYS:O	2.06	0.54
1:G:23:THR:HG22	1:G:181:HIS:CG	2.42	0.54
17:G:847:BCR:H383	17:G:847:BCR:C23	2.38	0.54
10:L:49:GLU:HB2	14:L:205:CLA:HED2	1.88	0.54
1:Y:461:HIS:CE1	1:Y:465:MET:CE	2.91	0.54
14:Y:829:CLA:C6	21:Y:907:HOH:O	2.55	0.54
17:Y:847:BCR:C8	17:Y:847:BCR:H331	2.38	0.54
6:F:103:VAL:CG1	6:F:104:PRO:HD3	2.38	0.54
1:G:178:PHE:O	1:G:182:LYS:HB2	2.07	0.54
17:G:850:BCR:H403	17:G:850:BCR:C23	2.35	0.54
2:H:87:ALA:O	14:H:807:CLA:HED1	2.08	0.54
2:H:200:GLU:HG2	2:H:205:HIS:HA	1.90	0.54
2:H:383:GLY:C	2:H:589:MET:HE3	2.32	0.54
14:Y:831:CLA:HMB2	14:Y:832:CLA:C1D	2.38	0.54
2:Z:256:PHE:O	2:Z:498:VAL:HG12	2.08	0.54
1:A:541:ILE:HD12	13:A:801:CL0:H60	1.89	0.54
1:G:584:GLY:HA3	3:N:76:MET:HE3	1.89	0.54
2:H:451:THR:HG22	6:Q:22:VAL:CG1	2.38	0.54
17:H:845:BCR:H331	17:H:845:BCR:C8	2.36	0.54
1:Y:356:LEU:O	1:Y:360:LEU:HB2	2.08	0.54
1:Y:375:TYR:CZ	14:Y:837:CLA:HBC3	2.43	0.54
17:Y:847:BCR:H331	17:Y:847:BCR:HC8	1.90	0.54
1:A:583:ARG:O	2:B:674:ARG:NH1	2.40	0.54
4:D:20:ALA:HA	4:D:23:THR:HB	1.90	0.54
6:F:54:ASP:HB3	6:F:56:ARG:HG3	1.88	0.54
2:H:85:PRO:HG2	2:H:115:ALA:O	2.08	0.54
17:R:101:BCR:H331	17:R:101:BCR:C8	2.37	0.54
1:Y:398:MET:HE3	1:Y:609:VAL:HG11	1.89	0.54
10:h:34:LEU:HD23	14:h:205:CLA:HMC2	1.88	0.54
11:i:3:LEU:HA	11:i:7:GLN:NE2	2.23	0.54
1:A:435:ARG:NH1	4:D:12:GLY:O	2.37	0.54
2:B:194:ILE:HD13	14:B:815:CLA:C3C	2.38	0.54
2:B:600:TRP:HB2	14:B:837:CLA:HMC3	1.90	0.54
14:H:824:CLA:HAA2	14:H:825:CLA:OBD	2.08	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L:106:SER:OG	10:L:107:SER:N	2.40	0.54
4:O:58:PHE:HB3	4:O:63:GLN:HE21	1.73	0.54
17:R:102:BCR:C23	17:R:102:BCR:H403	2.38	0.54
17:U:1005:BCR:C23	17:U:1005:BCR:H403	2.38	0.54
1:Y:210:LEU:HD21	17:Y:847:BCR:H373	1.90	0.54
1:Y:443:HIS:O	1:Y:447:VAL:HG23	2.08	0.54
2:Z:586:MET:HG3	2:Z:716:LEU:HD21	1.88	0.54
17:A:847:BCR:H403	17:A:847:BCR:H23C	1.89	0.54
14:B:805:CLA:HMC2	14:B:807:CLA:HED2	1.90	0.54
17:F:201:BCR:H23C	17:F:201:BCR:C38	2.38	0.54
1:G:59:ASP:HB2	1:G:418:ARG:NH1	2.22	0.54
2:H:350:LEU:HD23	14:H:817:CLA:H41	1.90	0.54
14:K:103:CLA:HED2	14:K:103:CLA:H2A	1.89	0.54
1:A:193:VAL:HG21	1:A:349:THR:HG22	1.90	0.53
1:G:442:SER:O	14:G:842:CLA:HED2	2.06	0.53
14:G:806:CLA:H201	18:G:851:LHG:H221	1.88	0.53
14:H:828:CLA:H41	14:V:1201:CLA:HBC3	1.89	0.53
5:P:7:VAL:N	5:P:21:GLY:O	2.41	0.53
14:U:1002:CLA:HBA1	17:U:1008:BCR:H363	1.90	0.53
2:Z:237:ASP:HB3	2:Z:241:HIS:CD2	2.43	0.53
3:a:28:VAL:HG12	4:b:109:ARG:HB3	1.88	0.53
10:h:52:MET:HA	10:h:131:SER:OG	2.08	0.53
1:A:86:TRP:HA	14:A:807:CLA:HBB2	1.89	0.53
1:A:148:ARG:HG2	1:A:381:PRO:HG2	1.89	0.53
14:A:806:CLA:H151	14:A:829:CLA:HBB2	1.89	0.53
17:B:851:BCR:H271	17:B:851:BCR:H393	1.90	0.53
14:G:817:CLA:HBC1	14:G:818:CLA:HMC1	1.89	0.53
14:G:839:CLA:O1A	2:H:427:TRP:CD1	2.61	0.53
8:S:28:GLU:OE2	8:S:31:ARG:NH2	2.41	0.53
17:U:1007:BCR:H372	14:Y:834:CLA:H152	1.90	0.53
1:Y:73:PHE:HZ	14:Y:810:CLA:HMB2	1.73	0.53
17:Z:843:BCR:H23C	17:Z:843:BCR:C38	2.37	0.53
1:A:375:TYR:CZ	14:A:836:CLA:HBC3	2.43	0.53
2:B:318:PHE:CD1	14:B:822:CLA:CAB	2.76	0.53
2:B:470:HIS:O	2:B:503:TRP:NE1	2.40	0.53
2:B:711:ALA:HB2	15:B:842:PQN:C7	2.39	0.53
1:G:425:ASN:OD1	1:G:428:ASN:ND2	2.41	0.53
14:G:802:CLA:H192	14:H:801:CLA:H171	1.90	0.53
2:H:304:MET:HE3	14:H:822:CLA:O1D	2.08	0.53
1:A:196:MET:HE2	14:A:813:CLA:HBC2	1.90	0.53
1:A:308:PHE:CE1	14:A:821:CLA:HAB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:829:CLA:C1	17:A:846:BCR:H24C	2.38	0.53
14:A:833:CLA:H93	14:B:840:CLA:H52	1.90	0.53
2:H:303:MET:HA	14:H:821:CLA:O1D	2.07	0.53
8:J:31:ARG:NE	17:J:104:BCR:H312	2.24	0.53
14:B:804:CLA:H143	17:B:848:BCR:H362	1.89	0.53
1:G:379:PRO:HG3	14:G:819:CLA:HBA1	1.91	0.53
1:G:407:GLY:O	1:G:410:ALA:HB3	2.08	0.53
1:G:606:ILE:HA	1:G:609:VAL:HB	1.91	0.53
14:G:818:CLA:O1D	14:G:819:CLA:HHB	2.08	0.53
2:H:70:GLN:HE22	14:H:806:CLA:CGD	2.18	0.53
2:H:91:TRP:HB3	7:R:15:ILE:HG12	1.91	0.53
2:H:648:ASN:H	2:H:648:ASN:HD22	1.56	0.53
1:Y:583:ARG:HA	3:a:76:MET:HA	1.88	0.53
14:Y:842:CLA:HHD	17:Y:856:BCR:C38	2.39	0.53
2:Z:47:ALA:CB	2:Z:156:LEU:HG	2.39	0.53
2:Z:239:ALA:HB1	2:Z:262:PRO:HG2	1.90	0.53
2:B:282:LEU:HD21	14:B:817:CLA:H203	1.89	0.53
14:B:811:CLA:H2A	14:B:811:CLA:O1D	2.08	0.53
2:H:651:VAL:HG22	14:H:808:CLA:HHD	1.90	0.53
2:H:654:TRP:CE3	17:H:845:BCR:HC41	2.44	0.53
2:H:687:ALA:O	2:H:691:THR:HG23	2.09	0.53
7:I:21:LEU:HB2	14:h:207:CLA:H141	1.90	0.53
10:L:47:GLY:O	10:L:124:PHE:HA	2.09	0.53
3:N:24:VAL:O	3:N:42:PRO:HD2	2.08	0.53
17:Y:851:BCR:H362	14:Y:854:CLA:H43	1.91	0.53
3:a:61:PHE:HD2	4:b:119:ILE:HG21	1.74	0.53
1:A:38:LEU:CD1	1:A:51:LEU:HA	2.37	0.53
1:A:457:GLY:HA3	14:L:201:CLA:HAB	1.91	0.53
1:A:682:ILE:CD1	14:A:840:CLA:HMB1	2.35	0.53
2:B:122:TRP:CZ2	14:B:813:CLA:H201	2.44	0.53
2:B:724:ILE:HD13	14:B:827:CLA:HMC1	1.90	0.53
7:I:22:MET:O	7:I:26:VAL:HG22	2.09	0.53
6:Q:60:ALA:HA	6:Q:64:LEU:HD13	1.90	0.53
17:V:1202:BCR:HC8	17:V:1202:BCR:C32	2.39	0.53
14:Y:841:CLA:CGA	14:Y:841:CLA:C1A	2.86	0.53
14:Y:855:CLA:CBC	2:Z:671:ILE:HB	2.39	0.53
2:Z:649:LEU:HA	2:Z:652:TRP:HD1	1.73	0.53
6:d:82:ARG:NH2	6:d:129:LEU:HA	2.23	0.53
17:d:203:BCR:H331	17:d:203:BCR:C8	2.38	0.53
1:A:204:LEU:HD13	14:A:813:CLA:HHB	1.89	0.53
2:B:166:TRP:CE2	14:B:813:CLA:HAC2	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:504:LEU:O	2:B:508:ASN:ND2	2.40	0.53
3:C:80:TYR:OXT	4:D:20:ALA:HB2	2.09	0.53
1:G:31:PRO:HB3	14:S:1101:CLA:HAC1	1.91	0.53
1:G:713:VAL:HA	6:Q:85:LEU:HD22	1.91	0.53
14:G:822:CLA:HMD3	17:T:102:BCR:H392	1.90	0.53
10:L:33:ASN:O	10:L:38:ARG:NH1	2.37	0.53
14:Y:802:CLA:H42	2:Z:657:LEU:HB2	1.90	0.53
14:A:832:CLA:HED1	10:L:16:HIS:CD2	2.44	0.53
14:G:803:CLA:CAD	14:H:802:CLA:CMB	2.87	0.53
14:G:831:CLA:HMA2	10:h:19:THR:HG21	1.90	0.53
17:H:841:BCR:H313	17:H:842:BCR:HC31	1.90	0.53
7:R:7:ALA:O	7:R:10:LEU:HG	2.09	0.53
17:U:1008:BCR:H393	10:h:129:MET:O	2.09	0.53
1:Y:336:PHE:CD2	18:Y:853:LHG:HC42	2.44	0.53
14:Y:803:CLA:H43	14:Y:841:CLA:H122	1.91	0.53
10:h:21:ILE:HG23	14:h:201:CLA:H42	1.91	0.53
1:A:564:ARG:O	4:D:60:ARG:NH1	2.42	0.53
13:A:801:CL0:CGD	13:A:801:CL0:H8	2.39	0.53
2:B:75:GLN:O	2:B:83:THR:HG21	2.09	0.53
1:G:539:HIS:HB2	14:G:837:CLA:HED1	1.91	0.53
14:G:811:CLA:H202	14:S:1101:CLA:HMB2	1.90	0.53
2:H:166:TRP:HD1	14:H:811:CLA:HED2	1.74	0.53
14:H:807:CLA:H92	14:H:828:CLA:H202	1.91	0.53
14:H:808:CLA:H192	7:R:23:PRO:HA	1.90	0.53
1:Y:14:VAL:HA	1:Y:189:TRP:CD1	2.44	0.53
2:Z:256:PHE:HZ	14:Z:815:CLA:H72	1.74	0.53
6:d:107:ILE:HG22	6:d:110:MET:HE3	1.90	0.53
1:A:121:VAL:HG22	14:B:833:CLA:HMD1	1.89	0.52
1:A:410:ALA:O	1:A:414:ILE:HG13	2.09	0.52
2:B:401:TYR:O	4:D:126:SER:OG	2.19	0.52
14:G:828:CLA:O1D	14:G:829:CLA:HMA1	2.08	0.52
2:H:340:HIS:CD2	14:H:823:CLA:HAA1	2.44	0.52
10:L:6:LYS:NZ	10:L:18:SER:OG	2.30	0.52
9:T:25:PHE:O	9:T:29:LEU:HG	2.09	0.52
14:Y:802:CLA:OBD	14:Z:802:CLA:HMB3	2.09	0.52
14:Y:833:CLA:HAB	14:Y:834:CLA:HHB	1.91	0.52
17:Y:851:BCR:H23C	17:Y:851:BCR:C40	2.35	0.52
14:Z:825:CLA:H3A	14:Z:825:CLA:O1A	2.09	0.52
2:B:706:LEU:HB2	15:B:842:PQN:C6	2.39	0.52
14:B:806:CLA:HBB1	14:B:806:CLA:HMB1	1.90	0.52
1:G:188:GLU:O	1:G:192:ASN:ND2	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:261:PHE:CE2	14:G:815:CLA:H43	2.44	0.52
1:G:344:LEU:HA	1:G:347:VAL:HB	1.91	0.52
2:H:425:LEU:HD13	2:H:538:LEU:HA	1.91	0.52
2:H:724:ILE:HD13	14:H:826:CLA:HMC1	1.92	0.52
1:Y:49:TRP:HZ2	14:d:201:CLA:HAB	1.74	0.52
1:Y:432:ARG:O	1:Y:436:HIS:ND1	2.42	0.52
1:Y:564:ARG:NH2	4:b:14:THR:O	2.42	0.52
17:f:104:BCR:H403	17:f:104:BCR:C23	2.36	0.52
1:A:358:ILE:O	1:A:361:ALA:HB3	2.08	0.52
14:B:835:CLA:NC	14:B:836:CLA:HAB	2.23	0.52
1:G:309:ILE:O	1:G:313:HIS:ND1	2.43	0.52
2:H:92:ASP:N	7:R:1:MET:HE1	2.24	0.52
2:H:119:VAL:HG22	2:H:123:TRP:CE2	2.44	0.52
2:H:188:ALA:HA	14:H:814:CLA:HAB	1.91	0.52
14:H:830:CLA:HED2	14:H:830:CLA:H2A	1.91	0.52
1:Y:535:ASP:O	1:Y:539:HIS:ND1	2.25	0.52
1:Y:683:TRP:CE3	13:Y:801:CL0:H5	2.44	0.52
14:Y:829:CLA:C5	21:Y:907:HOH:O	2.53	0.52
14:Y:840:CLA:HBC1	15:Y:844:PQN:H191	1.90	0.52
17:Y:846:BCR:H23C	17:Y:846:BCR:C38	2.37	0.52
17:Y:849:BCR:H372	18:Y:853:LHG:H262	1.91	0.52
2:Z:9:GLN:HA	2:Z:12:ALA:HB3	1.91	0.52
2:Z:706:LEU:HB3	2:Z:710:GLN:HG2	1.91	0.52
2:Z:726:THR:HB	14:Z:802:CLA:O1D	2.09	0.52
2:B:128:MET:O	2:B:129:ARG:NH1	2.42	0.52
4:D:54:ASN:HD22	4:D:54:ASN:N	2.07	0.52
21:G:904:HOH:O	14:H:801:CLA:CAC	2.53	0.52
2:H:30:PHE:HB3	2:H:36:MET:HE3	1.92	0.52
14:L:205:CLA:OBD	10:U:91:ALA:HA	2.09	0.52
1:Y:541:ILE:HG23	13:Y:801:CL0:H70	1.90	0.52
2:Z:320:MET:HE2	14:Z:828:CLA:HMD2	1.91	0.52
1:A:699:GLU:HB2	2:B:542:LYS:HZ3	1.74	0.52
2:B:618:SER:O	2:B:624:GLY:HA3	2.10	0.52
14:G:803:CLA:O1A	14:G:803:CLA:H3A	2.10	0.52
14:G:824:CLA:C6	17:G:849:BCR:H363	2.40	0.52
2:H:164:LEU:HA	2:H:167:PHE:HD2	1.75	0.52
17:H:840:BCR:H23C	17:H:840:BCR:H382	1.90	0.52
7:I:5:TYR:OH	7:I:11:PRO:HG2	2.09	0.52
9:K:71:ALA:O	9:K:75:SER:OG	2.27	0.52
3:N:12:GLY:HA2	3:N:27:MET:HE1	1.90	0.52
4:O:61:LYS:O	4:O:65:LEU:HD12	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:T:103:CLA:H2A	14:T:103:CLA:HED2	1.91	0.52
1:Y:509:ALA:HB1	14:Y:827:CLA:HBB2	1.90	0.52
2:Z:126:ILE:CG2	14:Z:816:CLA:HED2	2.38	0.52
2:Z:207:GLY:O	2:Z:211:PHE:HB3	2.09	0.52
2:Z:450:GLY:C	2:Z:452:PRO:HD3	2.33	0.52
3:a:61:PHE:CD2	4:b:119:ILE:HG21	2.44	0.52
4:b:38:VAL:HG22	4:b:48:VAL:HG12	1.91	0.52
6:d:65:ILE:HB	6:d:66:PRO:HD3	1.90	0.52
17:f:105:BCR:HC8	17:f:105:BCR:C33	2.39	0.52
2:B:351:VAL:O	2:B:355:MET:HG3	2.10	0.52
2:B:435:HIS:HB2	17:B:851:BCR:HC42	1.91	0.52
6:F:41:ALA:HB2	8:J:38:PHE:CZ	2.44	0.52
1:G:319:TRP:HD1	9:T:42:GLY:HA3	1.74	0.52
14:H:808:CLA:H191	7:R:27:MET:HG3	1.92	0.52
10:L:38:ARG:NH2	10:L:49:GLU:OE1	2.39	0.52
6:Q:54:ASP:OD2	6:Q:56:ARG:NE	2.43	0.52
17:U:1007:BCR:HC8	17:U:1007:BCR:C33	2.38	0.52
1:Y:690:LEU:HD13	2:Z:671:ILE:HD13	1.92	0.52
14:Y:842:CLA:HHC	14:Y:842:CLA:HBB1	1.91	0.52
2:Z:60:VAL:HG12	2:Z:64:LEU:CD1	2.39	0.52
2:Z:235:ASN:HD21	2:Z:251:THR:HG23	1.74	0.52
1:A:211:ALA:HB2	17:A:845:BCR:H363	1.90	0.52
1:G:484:PRO:HD3	1:G:536:PHE:HB2	1.91	0.52
2:H:320:MET:CE	18:H:847:LHG:O4	2.58	0.52
2:H:376:THR:HG23	2:H:597:THR:HG21	1.90	0.52
1:Y:58:PHE:CE2	14:Y:804:CLA:HED1	2.44	0.52
2:Z:315:GLU:O	2:Z:321:PRO:HA	2.09	0.52
14:Z:801:CLA:H3A	14:Z:801:CLA:O1A	2.09	0.52
1:A:237:PRO:HG2	1:A:242:PHE:CE2	2.45	0.52
1:G:575:ARG:NH1	18:G:851:LHG:O10	2.43	0.52
14:G:820:CLA:CMA	9:T:61:ALA:HB2	2.40	0.52
17:G:846:BCR:H382	17:T:102:BCR:H323	1.92	0.52
17:G:850:BCR:H382	14:H:830:CLA:CBB	2.39	0.52
2:H:475:TYR:HB3	6:Q:3:ALA:HA	1.91	0.52
2:H:663:TRP:CD2	14:H:802:CLA:CMA	2.92	0.52
2:H:691:THR:HG21	14:h:201:CLA:HMB1	1.90	0.52
14:H:803:CLA:H112	17:H:845:BCR:H362	1.90	0.52
14:H:807:CLA:C3D	14:H:826:CLA:HBA1	2.40	0.52
3:N:25:LEU:HD21	3:N:64:ILE:HD11	1.90	0.52
14:Y:840:CLA:H202	14:d:202:CLA:HMD2	1.92	0.52
2:Z:105:GLN:CD	2:Z:114:ILE:HD11	2.35	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:841:CLA:H91	17:L:208:BCR:H392	1.91	0.52
2:B:91:TRP:HH2	7:I:2:MET:HE2	1.74	0.52
2:B:181:LEU:CG	14:B:813:CLA:H42	2.38	0.52
2:B:206:VAL:CG1	2:B:214:THR:HG21	2.39	0.52
1:G:19:ASP:HA	1:G:181:HIS:O	2.09	0.52
1:G:280:THR:HG23	1:G:296:ASP:OD1	2.10	0.52
1:G:346:GLU:HA	1:G:349:THR:HG22	1.92	0.52
1:G:578:CYS:HB2	1:G:586:THR:O	2.10	0.52
2:H:361:TYR:CD2	14:H:827:CLA:HED2	2.45	0.52
2:H:375:TYR:CE2	2:H:379:GLN:HG3	2.44	0.52
2:H:730:PHE:CD1	14:H:802:CLA:HMD2	2.45	0.52
17:L:208:BCR:H403	17:L:208:BCR:H23C	1.92	0.52
10:U:148:ILE:HD11	10:h:68:LEU:HD11	1.91	0.52
1:Y:201:LEU:HD21	14:Y:821:CLA:C3B	2.40	0.52
1:Y:302:LEU:HD11	14:Y:817:CLA:HAB	1.91	0.52
1:Y:380:TYR:OH	14:Y:829:CLA:OBD	2.19	0.52
1:Y:520:VAL:HG12	1:Y:525:ALA:HB2	1.90	0.52
2:Z:177:HIS:HA	2:Z:181:LEU:HB3	1.92	0.52
17:f:103:BCR:C38	17:f:103:BCR:H23C	2.40	0.52
1:A:340:GLY:O	1:A:429:VAL:N	2.43	0.52
16:A:844:SF4:S3	2:B:574:CYS:HB3	2.49	0.52
2:B:84:ARG:NE	2:B:84:ARG:HA	2.25	0.52
14:B:826:CLA:HED1	17:B:847:BCR:C33	2.37	0.52
1:G:395:THR:OG1	14:G:828:CLA:HMB2	2.10	0.52
1:G:650:LEU:HD22	2:H:657:LEU:HD21	1.92	0.52
14:G:804:CLA:HED2	14:G:804:CLA:H2A	1.92	0.52
17:K:102:BCR:H331	17:K:102:BCR:C8	2.40	0.52
10:L:54:HIS:O	10:L:58:LEU:HD13	2.08	0.52
7:R:5:TYR:OH	7:R:11:PRO:HG2	2.10	0.52
1:Y:321:ILE:HG22	9:g:36:SER:OG	2.10	0.52
1:Y:510:SER:HB2	1:Y:513:PHE:CE2	2.45	0.52
14:Z:807:CLA:C1A	14:Z:807:CLA:CGA	2.88	0.52
5:c:17:TYR:O	6:d:137:THR:OG1	2.19	0.52
2:B:150:PHE:CZ	14:G:843:CLA:H11	2.45	0.51
14:B:802:CLA:H43	14:B:832:CLA:HAA2	1.93	0.51
17:B:847:BCR:H321	17:B:847:BCR:C8	2.40	0.51
3:C:74:ARG:NH2	4:D:25:GLU:OE1	2.42	0.51
6:F:1:ASP:N	6:F:5:LEU:O	2.27	0.51
6:F:8:CYS:HB3	6:F:14:PHE:CD2	2.45	0.51
2:H:380:TYR:CD2	14:H:826:CLA:HAB	2.46	0.51
14:H:808:CLA:H141	17:R:102:BCR:H322	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:816:CLA:H42	14:H:831:CLA:HAA2	1.92	0.51
9:K:65:PHE:CD1	9:K:68:LEU:HD21	2.45	0.51
1:Y:78:GLY:O	1:Y:82:VAL:HG23	2.10	0.51
1:Y:205:LEU:CD2	14:Y:819:CLA:HMC3	2.40	0.51
1:Y:537:MET:CE	1:Y:644:ILE:HA	2.40	0.51
1:Y:592:TRP:NE1	14:Y:830:CLA:HMD3	2.25	0.51
2:Z:46:PHE:CE2	2:Z:50:PHE:HE2	2.28	0.51
2:Z:221:LEU:HG	2:Z:225:PHE:CE2	2.45	0.51
1:A:360:LEU:HD21	14:A:830:CLA:CBB	2.40	0.51
1:A:577:PRO:HB3	1:A:724:ILE:HB	1.91	0.51
14:A:833:CLA:HMA1	17:I:101:BCR:H292	1.91	0.51
2:B:390:PHE:HZ	14:B:825:CLA:HAB	1.74	0.51
3:C:53:CYS:HB2	3:C:64:ILE:HD13	1.93	0.51
14:G:819:CLA:H3A	14:G:819:CLA:CGA	2.40	0.51
2:H:194:ILE:HG23	2:H:253:ILE:HB	1.93	0.51
2:H:292:THR:HG21	14:H:819:CLA:OBD	2.10	0.51
2:Z:414:VAL:HG11	17:Z:844:BCR:H401	1.91	0.51
2:Z:593:ILE:CD1	14:Z:823:CLA:HMD1	2.39	0.51
6:d:82:ARG:O	6:d:86:ILE:HG13	2.10	0.51
17:h:202:BCR:H331	14:h:205:CLA:HBB2	1.92	0.51
2:B:27:ALA:O	2:B:33:HIS:CE1	2.63	0.51
2:B:59:TRP:HA	14:B:808:CLA:HBB2	1.93	0.51
2:B:462:PHE:HB2	14:B:838:CLA:OBD	2.11	0.51
1:G:602:MET:HG2	14:G:826:CLA:HBC1	1.92	0.51
14:G:813:CLA:CAD	14:G:825:CLA:H92	2.39	0.51
2:H:419:GLU:O	2:H:423:SER:OG	2.29	0.51
1:Y:539:HIS:HB2	14:Y:838:CLA:HED1	1.92	0.51
1:Y:679:ALA:HB1	1:Y:742:THR:OG1	2.10	0.51
14:Y:819:CLA:CAD	21:Y:907:HOH:O	2.58	0.51
17:Y:851:BCR:HC8	17:Y:851:BCR:H323	1.90	0.51
14:Y:855:CLA:HBC1	2:Z:671:ILE:HB	1.92	0.51
2:Z:55:ILE:HG23	14:Z:806:CLA:H141	1.92	0.51
14:Z:826:CLA:H12	17:Z:842:BCR:H393	1.93	0.51
10:h:48:LEU:HA	10:h:123:GLY:O	2.10	0.51
10:h:57:PHE:CD2	14:h:207:CLA:HBC3	2.46	0.51
14:A:803:CLA:HBB2	14:A:811:CLA:H122	1.93	0.51
6:F:116:TRP:CG	6:F:117:PRO:HD3	2.46	0.51
1:G:216:GLN:NE2	1:G:301:HIS:HD2	2.06	0.51
1:G:681:PHE:CD1	17:G:850:BCR:H363	2.44	0.51
10:L:57:PHE:CE1	10:L:58:LEU:HD12	2.45	0.51
14:L:207:CLA:H141	7:e:21:LEU:HD22	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:467:GLN:NE2	2:Z:515:PHE:HB3	2.25	0.51
2:Z:479:THR:HG21	12:j:29:TYR:O	2.10	0.51
8:f:31:ARG:HH12	17:f:104:BCR:H333	1.74	0.51
14:A:821:CLA:HMD1	14:A:822:CLA:HAB	1.93	0.51
14:B:818:CLA:H141	14:B:819:CLA:H101	1.92	0.51
15:B:842:PQN:H192	17:B:848:BCR:H23C	1.91	0.51
4:D:73:ARG:N	4:D:74:PRO:HD2	2.25	0.51
1:G:121:VAL:HG12	14:H:830:CLA:HMD1	1.93	0.51
1:G:297:THR:HA	1:G:300:HIS:HB3	1.91	0.51
2:H:119:VAL:CG2	2:H:123:TRP:CZ2	2.94	0.51
14:U:1002:CLA:OBD	10:h:91:ALA:HA	2.10	0.51
12:X:11:PHE:O	12:X:14:PHE:HB3	2.10	0.51
1:Y:289:THR:OG1	1:Y:382:TYR:N	2.44	0.51
14:Y:833:CLA:O2A	14:Y:842:CLA:H42	2.10	0.51
2:Z:334:HIS:O	2:Z:392:HIS:HB3	2.10	0.51
2:Z:432:LEU:HD11	14:Z:836:CLA:HMB2	1.91	0.51
2:Z:491:ALA:HA	14:Z:833:CLA:HMD2	1.91	0.51
14:Z:836:CLA:HMA3	14:Z:837:CLA:HED2	1.93	0.51
3:a:65:ARG:HG3	3:a:67:TYR:CE1	2.45	0.51
1:A:336:PHE:CE1	10:L:4:LEU:HD13	2.46	0.51
1:A:480:ILE:HD11	10:L:69:ARG:HH21	1.76	0.51
14:A:812:CLA:HBC2	14:A:812:CLA:HHD	1.91	0.51
2:B:109:SER:OG	7:I:4:SER:HB2	2.09	0.51
1:G:195:SER:O	1:G:199:HIS:ND1	2.29	0.51
1:G:359:ASN:C	14:G:805:CLA:HED1	2.35	0.51
2:H:300:ILE:HG23	14:H:818:CLA:HED3	1.91	0.51
2:H:693:LEU:HD23	10:h:37:TYR:CE1	2.45	0.51
3:N:13:CYS:O	3:N:14:THR:HG22	2.10	0.51
5:P:45:TYR:O	5:P:46:THR:C	2.54	0.51
3:a:71:GLU:OE1	3:a:76:MET:HG2	2.10	0.51
2:H:440:TYR:CD2	14:H:802:CLA:H203	2.45	0.51
2:H:542:LYS:CE	2:H:546:ASP:OD2	2.57	0.51
2:H:665:THR:HA	14:H:803:CLA:HAB	1.91	0.51
1:Y:384:ALA:HB1	1:Y:525:ALA:O	2.11	0.51
14:Y:805:CLA:H41	14:Y:805:CLA:H72	1.92	0.51
2:Z:443:ASN:HA	2:Z:455:GLN:HG2	1.92	0.51
2:Z:447:VAL:HG22	2:Z:452:PRO:HA	1.91	0.51
17:h:202:BCR:H331	14:h:205:CLA:CBB	2.41	0.51
1:A:42:PRO:HB3	1:A:47:TRP:CE3	2.46	0.51
2:B:29:ASP:OD2	2:B:32:SER:OG	2.23	0.51
2:B:336:GLN:O	2:B:340:HIS:ND1	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:453:GLU:HA	6:F:48:LEU:HD22	1.93	0.51
1:G:319:TRP:O	1:G:321:ILE:N	2.43	0.51
1:G:387:TYR:HB3	1:G:751:ILE:HD11	1.92	0.51
14:H:811:CLA:O1D	14:H:812:CLA:HMC1	2.10	0.51
1:Y:281:PHE:CE1	14:Y:836:CLA:HED1	2.45	0.51
14:Y:828:CLA:H101	17:f:103:BCR:C36	2.40	0.51
17:Y:846:BCR:H331	17:Y:846:BCR:C8	2.41	0.51
2:Z:122:TRP:HH2	17:Z:843:BCR:H391	1.76	0.51
2:Z:288:HIS:CE1	17:Z:841:BCR:H363	2.45	0.51
1:A:201:LEU:O	1:A:206:GLY:N	2.44	0.51
1:A:308:PHE:HE1	14:A:821:CLA:HAB	1.75	0.51
1:A:329:LEU:HD21	14:A:821:CLA:HED1	1.93	0.51
1:A:389:THR:HG22	1:A:393:LEU:HD11	1.93	0.51
1:A:575:ARG:HG3	1:A:592:TRP:CD1	2.45	0.51
1:A:744:TRP:CD2	17:A:849:BCR:H313	2.46	0.51
14:A:841:CLA:HMD1	2:B:684:LEU:HD13	1.93	0.51
15:A:843:PQN:H141	15:A:843:PQN:H172	1.93	0.51
2:B:432:LEU:HD11	14:B:838:CLA:HMB2	1.91	0.51
1:G:683:TRP:CD2	13:G:801:CL0:CMA	2.94	0.51
2:H:602:TRP:CD2	2:H:629:TYR:HB2	2.46	0.51
9:T:38:GLY:O	9:T:41:PRO:HD2	2.11	0.51
1:Y:421:ASP:HB3	1:Y:424:MET:HB2	1.92	0.51
1:Y:503:PRO:HG3	14:Y:836:CLA:HMD1	1.92	0.51
14:Y:803:CLA:CAB	17:f:104:BCR:H271	2.41	0.51
2:Z:122:TRP:CH2	17:Z:843:BCR:H391	2.45	0.51
14:A:841:CLA:H61	14:B:840:CLA:H43	1.91	0.51
2:B:433:GLY:O	2:B:437:LEU:HB3	2.10	0.51
2:H:70:GLN:OE1	2:H:89:ALA:N	2.41	0.51
2:H:419:GLU:CD	6:Q:141:ARG:HH22	2.19	0.51
8:S:10:THR:C	8:S:12:PRO:HD2	2.36	0.51
9:T:24:LEU:HG	9:T:70:ALA:HA	1.93	0.51
1:Y:387:TYR:N	1:Y:388:PRO:CD	2.74	0.51
1:A:193:VAL:CG1	14:A:825:CLA:HHD	2.41	0.50
1:A:648:GLY:HA2	1:A:651:ARG:NH2	2.26	0.50
14:A:829:CLA:C2	17:A:846:BCR:H24C	2.41	0.50
14:B:809:CLA:H72	14:B:829:CLA:H202	1.92	0.50
1:G:77:PHE:CZ	14:G:813:CLA:HED1	2.46	0.50
1:G:599:LEU:HD21	14:G:830:CLA:HBC1	1.91	0.50
2:H:350:LEU:CD2	14:H:817:CLA:H41	2.40	0.50
2:H:418:LYS:O	2:H:422:ILE:HG13	2.12	0.50
2:H:596:VAL:O	2:H:599:TYR:HB3	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K:24:LEU:HD22	9:K:73:VAL:HG11	1.92	0.50
4:O:61:LYS:HG2	4:O:65:LEU:CD1	2.41	0.50
1:Y:552:ILE:HG12	14:Y:855:CLA:HMD3	1.91	0.50
14:Y:855:CLA:H3A	14:Y:855:CLA:CGA	2.41	0.50
2:Z:76:TRP:CD1	2:Z:83:THR:HB	2.46	0.50
1:A:302:LEU:HD13	14:A:815:CLA:CMC	2.41	0.50
1:A:307:LEU:HD11	14:A:818:CLA:HMC1	1.92	0.50
1:A:352:TRP:CE2	14:A:825:CLA:H18	2.46	0.50
14:B:841:CLA:H151	10:L:92:CYS:SG	2.51	0.50
1:G:94:GLY:HA2	1:G:98:SER:HB3	1.94	0.50
1:G:584:GLY:CA	3:N:76:MET:HE3	2.41	0.50
2:H:168:LYS:HD3	2:H:331:ASN:ND2	2.26	0.50
2:H:503:TRP:CE2	14:H:831:CLA:HED1	2.46	0.50
17:H:848:BCR:H331	17:H:848:BCR:C8	2.41	0.50
9:T:34:ILE:HG22	9:T:34:ILE:O	2.11	0.50
1:Y:289:THR:HA	1:Y:520:VAL:HG21	1.93	0.50
14:Y:805:CLA:H191	14:Y:813:CLA:C15	2.41	0.50
14:Y:826:CLA:C1B	17:Y:850:BCR:H352	2.41	0.50
5:c:19:GLU:HG3	6:d:137:THR:HB	1.94	0.50
1:A:444:LEU:HD13	14:A:838:CLA:CAB	2.41	0.50
1:A:651:ARG:CD	2:B:639:ASN:HD21	2.23	0.50
14:A:812:CLA:H72	14:A:812:CLA:H41	1.94	0.50
1:G:21:VAL:HG23	1:G:181:HIS:HA	1.92	0.50
1:G:45:THR:HG22	1:G:720:ARG:H	1.76	0.50
1:G:172:MET:HE1	14:G:813:CLA:H92	1.92	0.50
3:N:60:ASP:H	5:P:58:ASN:CG	2.18	0.50
10:U:111:LEU:HD11	10:U:120:PHE:CD1	2.47	0.50
1:Y:17:ASP:OD1	1:Y:186:LYS:NZ	2.43	0.50
2:Z:89:ALA:HA	2:Z:112:VAL:HG12	1.92	0.50
5:c:54:GLY:O	5:c:55:VAL:O	2.30	0.50
1:G:244:LEU:HG	1:G:244:LEU:O	2.11	0.50
2:H:332:SER:OG	2:H:396:PHE:HD1	1.94	0.50
2:H:361:TYR:O	2:H:364:ILE:HG22	2.11	0.50
17:J:103:BCR:C38	17:J:103:BCR:H23C	2.41	0.50
2:Z:175:ASN:HB3	14:Z:818:CLA:HMD2	1.93	0.50
12:j:10:ALA:O	12:j:13:THR:OG1	2.29	0.50
1:A:706:TRP:CD1	2:B:419:GLU:HG3	2.46	0.50
14:B:804:CLA:H3A	14:B:804:CLA:CGA	2.42	0.50
14:B:825:CLA:HBA1	14:B:826:CLA:O1D	2.11	0.50
4:D:36:GLU:HG2	4:D:50:ARG:HA	1.92	0.50
6:F:73:ILE:O	6:F:76:TRP:HB3	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:80:LEU:HD12	14:G:813:CLA:HED3	1.94	0.50
2:H:379:GLN:HE21	2:H:596:VAL:HG11	1.75	0.50
1:Y:217:ILE:HA	1:Y:221:LEU:HD12	1.93	0.50
1:Y:543:ALA:O	1:Y:547:HIS:HD2	1.95	0.50
14:Y:834:CLA:HMC1	14:Y:834:CLA:HBC2	1.93	0.50
2:Z:189:TRP:CZ3	2:Z:192:HIS:CD2	3.00	0.50
6:d:109:CYS:O	6:d:112:THR:OG1	2.30	0.50
2:B:353:GLN:NE2	14:B:825:CLA:OBD	2.39	0.50
2:B:516:LEU:O	2:B:518:ILE:HG23	2.12	0.50
2:B:551:LYS:NZ	6:F:138:VAL:O	2.44	0.50
1:G:681:PHE:HB2	14:H:801:CLA:O1A	2.12	0.50
14:G:804:CLA:HBA1	14:G:811:CLA:ND	2.27	0.50
1:Y:429:VAL:HG23	14:Y:824:CLA:HBC3	1.94	0.50
2:Z:5:PRO:HG2	2:Z:11:LEU:HB2	1.93	0.50
14:Z:835:CLA:HMB3	14:Z:835:CLA:HBB1	1.92	0.50
4:b:73:ARG:N	4:b:74:PRO:HD2	2.26	0.50
1:A:548:VAL:O	1:A:552:ILE:HG13	2.12	0.50
1:A:651:ARG:HE	1:A:652:ASP:CG	2.19	0.50
2:B:557:LYS:NZ	2:B:558:ASP:OD1	2.43	0.50
6:F:87:ALA:HB1	6:F:105:LEU:HD21	1.94	0.50
14:H:824:CLA:H92	14:H:831:CLA:CAB	2.42	0.50
10:L:91:ALA:HA	14:h:205:CLA:OBD	2.12	0.50
11:V:15:ALA:O	11:V:18:PRO:HD2	2.12	0.50
1:A:38:LEU:HA	1:A:47:TRP:HE1	1.76	0.50
1:A:351:SER:OG	1:A:419:ASP:OD2	2.27	0.50
2:B:668:MET:HG2	15:B:842:PQN:O1	2.11	0.50
1:G:201:LEU:O	1:G:308:PHE:HB3	2.11	0.50
1:G:691:PHE:O	2:H:583:TYR:OH	2.27	0.50
2:H:22:TYR:HH	2:H:707:SER:HG	1.52	0.50
2:H:222:ALA:HB3	2:H:223:PRO:HD3	1.94	0.50
2:H:432:LEU:HD21	14:H:835:CLA:C3B	2.42	0.50
2:H:532:GLY:HA3	2:H:592:THR:HG23	1.93	0.50
14:H:803:CLA:CGA	14:H:803:CLA:C3A	2.86	0.50
7:I:20:TRP:O	7:I:24:THR:HG22	2.10	0.50
2:Z:525:VAL:HG11	2:Z:599:TYR:HB2	1.94	0.50
4:b:95:HIS:CB	4:b:96:PRO:HD3	2.36	0.50
6:d:73:ILE:O	6:d:76:TRP:HB3	2.11	0.50
7:e:26:VAL:O	7:e:30:LEU:HG	2.11	0.50
1:A:28:TRP:HE3	8:J:7:TYR:CG	2.30	0.50
1:A:249:MET:O	1:A:252:LEU:N	2.43	0.50
1:A:300:HIS:NE2	14:A:819:CLA:C1B	2.75	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:200:GLU:CD	2:B:205:HIS:HA	2.37	0.50
3:C:16:CYS:HB3	16:C:102:SF4:S4	2.51	0.50
3:C:28:VAL:HG21	4:D:111:ALA:HB2	1.93	0.50
1:G:82:VAL:HG21	14:G:811:CLA:H141	1.93	0.50
1:G:141:SER:HB2	1:G:143:LEU:HG	1.94	0.50
1:G:167:VAL:O	1:G:171:LEU:HD13	2.12	0.50
1:G:221:LEU:N	1:G:222:PRO:HD2	2.27	0.50
2:H:325:ILE:HA	2:H:328:THR:CG2	2.39	0.50
2:H:387:VAL:HG21	2:H:589:MET:HG2	1.93	0.50
2:H:586:MET:HG2	2:H:716:LEU:HD21	1.94	0.50
14:H:817:CLA:HBC2	14:H:827:CLA:H91	1.94	0.50
14:H:834:CLA:C4	14:W:1701:CLA:HED2	2.41	0.50
1:A:16:VAL:HG21	14:A:810:CLA:HED3	1.93	0.49
1:A:78:GLY:O	1:A:81:ALA:HB3	2.12	0.49
1:A:236:ILE:HD12	1:A:237:PRO:O	2.12	0.49
1:A:376:ALA:O	1:A:378:PRO:HD3	2.12	0.49
1:A:486:PHE:CE2	14:A:837:CLA:H42	2.47	0.49
2:B:333:LEU:HD22	14:B:806:CLA:H203	1.93	0.49
2:B:354:HIS:HD1	14:B:817:CLA:CAD	2.12	0.49
4:D:60:ARG:NH2	4:D:62:GLU:OE1	2.44	0.49
4:D:95:HIS:O	4:D:97:LYS:N	2.41	0.49
1:G:368:ILE:HG23	1:G:398:MET:HE1	1.93	0.49
14:G:833:CLA:H2A	14:G:833:CLA:O2D	2.12	0.49
2:H:215:MET:HE3	2:H:220:GLY:CA	2.41	0.49
2:H:555:ASP:CG	3:N:65:ARG:HH12	2.20	0.49
14:H:829:CLA:H2A	14:H:829:CLA:O1D	2.12	0.49
17:L:209:BCR:H362	14:U:1006:CLA:H151	1.93	0.49
17:R:101:BCR:H371	17:h:203:BCR:H343	1.93	0.49
1:Y:278:PHE:CE2	1:Y:279:LEU:HG	2.47	0.49
14:Y:804:CLA:HAB	14:Y:806:CLA:CAD	2.42	0.49
2:Z:440:TYR:CE2	2:Z:524:LEU:HB3	2.47	0.49
2:Z:470:HIS:CD2	2:Z:515:PHE:CZ	3.00	0.49
1:A:575:ARG:NH2	14:A:830:CLA:O1D	2.33	0.49
2:B:361:TYR:CE2	14:B:828:CLA:HED2	2.47	0.49
2:B:425:LEU:HG	14:B:839:CLA:CAB	2.42	0.49
2:B:598:PHE:HE2	14:B:803:CLA:H93	1.77	0.49
14:B:801:CLA:CGA	14:B:801:CLA:H3A	2.42	0.49
14:B:838:CLA:NC	14:B:838:CLA:H42	2.27	0.49
3:C:49:GLY:HA2	16:C:101:SF4:S2	2.52	0.49
1:G:196:MET:HB2	14:G:813:CLA:HBC2	1.94	0.49
2:H:594:GLY:O	2:H:598:PHE:CD1	2.65	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:I:19:CYS:HB3	14:L:202:CLA:CBB	2.42	0.49
4:O:28:ALA:O	4:O:83:TYR:N	2.27	0.49
4:O:36:GLU:HA	4:O:49:MET:O	2.12	0.49
9:T:22:CYS:HA	9:T:25:PHE:HD1	1.71	0.49
10:U:92:CYS:SG	14:Z:839:CLA:H151	2.52	0.49
14:U:1006:CLA:CAB	14:Z:808:CLA:HMA1	2.32	0.49
14:Y:825:CLA:H122	14:Y:825:CLA:HMD2	1.94	0.49
14:Y:827:CLA:HHC	14:Y:827:CLA:HBB1	1.94	0.49
17:Y:846:BCR:H331	17:Y:846:BCR:HC8	1.94	0.49
2:Z:184:VAL:HG13	17:Z:842:BCR:HC31	1.93	0.49
2:Z:497:ASN:O	2:Z:498:VAL:HB	2.12	0.49
14:Z:801:CLA:H2	14:Z:801:CLA:HMA2	1.93	0.49
1:A:148:ARG:HG2	1:A:224:ASN:HD21	1.77	0.49
1:A:204:LEU:HD11	14:A:813:CLA:H42	1.95	0.49
1:A:408:GLY:O	1:A:412:GLY:N	2.44	0.49
1:A:415:PHE:CD1	1:A:419:ASP:HB2	2.46	0.49
1:A:444:LEU:HD13	14:A:838:CLA:C3B	2.43	0.49
1:G:581:PRO:HD3	2:H:567:GLY:HA2	1.94	0.49
14:G:802:CLA:H142	17:G:850:BCR:H401	1.94	0.49
2:H:489:SER:C	2:H:497:ASN:HD21	2.20	0.49
1:A:13:ARG:H	14:A:812:CLA:HED1	1.78	0.49
1:A:178:PHE:CE2	1:A:183:ARG:HB2	2.47	0.49
1:A:463:ASP:OD2	1:A:646:ILE:N	2.38	0.49
1:A:497:ALA:N	1:A:498:PRO:HD2	2.27	0.49
2:B:242:VAL:HB	2:B:245:THR:OG1	2.12	0.49
2:B:604:HIS:HA	2:B:607:VAL:HG22	1.94	0.49
14:B:826:CLA:C4B	14:B:834:CLA:HMA3	2.43	0.49
2:H:318:PHE:CD1	14:H:821:CLA:CAB	2.95	0.49
14:H:807:CLA:CGA	14:H:807:CLA:C1A	2.90	0.49
9:K:29:LEU:O	9:K:32:TYR:HB3	2.12	0.49
14:L:202:CLA:HED1	17:L:203:BCR:H331	1.95	0.49
11:M:9:TYR:HB3	17:M:101:BCR:H401	1.93	0.49
10:U:43:PRO:HB3	10:U:111:LEU:CD1	2.43	0.49
2:Z:246:ALA:O	2:Z:248:GLY:N	2.45	0.49
2:Z:516:LEU:HB3	2:Z:603:LYS:HE3	1.95	0.49
14:Z:828:CLA:O1A	12:j:12:ARG:NH1	2.41	0.49
1:A:19:ASP:N	1:A:20:PRO:HD3	2.28	0.49
14:A:826:CLA:H2	14:A:836:CLA:HMA2	1.94	0.49
2:B:133:ASP:OD2	2:B:205:HIS:NE2	2.40	0.49
2:B:239:ALA:HA	2:B:262:PRO:HG2	1.95	0.49
2:H:50:PHE:HE1	14:H:810:CLA:HBB1	1.78	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:335:PHE:O	2:H:339:TRP:HB2	2.11	0.49
14:Y:827:CLA:C4B	14:Y:835:CLA:HMA3	2.42	0.49
2:Z:525:VAL:HG11	2:Z:599:TYR:CB	2.42	0.49
14:Z:817:CLA:H43	14:Z:824:CLA:H112	1.94	0.49
1:A:511:VAL:HG23	1:A:526:MET:CG	2.42	0.49
2:B:658:PHE:O	2:B:662:VAL:HG23	2.13	0.49
2:B:667:PHE:HB3	14:B:804:CLA:CMC	2.42	0.49
3:C:60:ASP:HB2	5:E:58:ASN:CG	2.38	0.49
4:D:117:ARG:NH1	4:D:123:PRO:HD3	2.27	0.49
1:G:200:HIS:HA	1:G:204:LEU:HB3	1.95	0.49
1:G:341:HIS:ND1	1:G:429:VAL:HG21	2.26	0.49
1:G:531:LEU:HA	1:G:535:ASP:OD2	2.12	0.49
2:H:361:TYR:HB2	2:H:364:ILE:HD12	1.94	0.49
14:H:824:CLA:H51	14:H:825:CLA:HED1	1.94	0.49
14:Y:802:CLA:H42	2:Z:657:LEU:CB	2.43	0.49
1:A:460:VAL:HG12	14:A:802:CLA:H12	1.94	0.49
1:A:588:GLN:HE21	2:B:673:TRP:CG	2.31	0.49
1:A:718:GLN:NE2	5:E:15:TYR:OH	2.45	0.49
2:B:654:TRP:CE3	17:B:848:BCR:HC41	2.47	0.49
14:G:804:CLA:HAC2	18:G:851:LHG:H161	1.94	0.49
2:H:95:PHE:HD2	2:H:100:VAL:HG12	1.76	0.49
2:H:179:ALA:HA	2:H:284:ILE:HA	1.94	0.49
2:H:254:LEU:HD11	2:H:277:LEU:HD23	1.95	0.49
17:L:203:BCR:C20	14:L:206:CLA:HAB	2.43	0.49
8:S:31:ARG:NE	17:S:1104:BCR:H312	2.27	0.49
2:Z:430:LEU:HD23	14:Z:801:CLA:O2A	2.12	0.49
14:A:807:CLA:CGD	14:A:809:CLA:HED1	2.42	0.49
14:A:820:CLA:HMA2	9:K:61:ALA:HB2	1.94	0.49
14:A:839:CLA:CHB	15:A:843:PQN:H242	2.43	0.49
2:B:654:TRP:CZ3	17:B:848:BCR:HC41	2.47	0.49
14:B:840:CLA:H151	10:L:88:VAL:HG11	1.93	0.49
2:H:172:SER:HB2	2:H:292:THR:HG22	1.94	0.49
2:H:318:PHE:HA	14:H:821:CLA:CBB	2.43	0.49
14:H:824:CLA:H93	17:H:844:BCR:H333	1.94	0.49
14:H:829:CLA:O1A	12:W:12:ARG:NH1	2.45	0.49
17:J:104:BCR:HC8	17:J:104:BCR:C32	2.35	0.49
10:U:30:PHE:CZ	14:U:1002:CLA:HBB2	2.47	0.49
14:Y:832:CLA:HMC2	14:Y:838:CLA:H171	1.95	0.49
2:Z:156:LEU:CD1	11:i:29:LEU:HD12	2.43	0.49
2:Z:347:ILE:O	2:Z:351:VAL:HG13	2.13	0.49
6:d:8:CYS:O	6:d:11:SER:OG	2.26	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:662:ILE:HA	2:B:623:MET:SD	2.53	0.49
14:A:806:CLA:HED3	14:A:830:CLA:H52	1.95	0.49
14:A:820:CLA:CMA	9:K:61:ALA:HB2	2.43	0.49
14:A:834:CLA:HED2	14:A:835:CLA:CMA	2.43	0.49
17:A:849:BCR:H321	17:A:849:BCR:HC8	1.95	0.49
2:B:317:PRO:HD2	2:B:322:HIS:HB2	1.95	0.49
2:B:424:HIS:O	2:B:428:VAL:HG12	2.13	0.49
2:B:460:PRO:HB2	14:B:838:CLA:HED2	1.93	0.49
14:B:827:CLA:C2D	14:B:828:CLA:CMB	2.90	0.49
1:G:118:TRP:CD2	17:S:1104:BCR:H323	2.47	0.49
1:G:470:ARG:NH2	1:G:473:ASP:OD2	2.37	0.49
14:G:829:CLA:HMD1	14:G:829:CLA:H92	1.95	0.49
2:H:166:TRP:CD1	14:H:811:CLA:HED2	2.48	0.49
11:V:9:TYR:HB3	17:V:1202:BCR:H401	1.93	0.49
1:Y:445:ASN:O	1:Y:449:ILE:HG13	2.13	0.49
2:Z:388:GLY:HA3	14:Z:827:CLA:C2C	2.42	0.49
2:Z:548:ARG:NH2	4:b:124:ASN:OD1	2.41	0.49
2:Z:652:TRP:O	2:Z:729:ALA:HB1	2.12	0.49
1:A:244:LEU:C	1:A:246:PRO:HD3	2.38	0.49
2:B:400:ASP:OD1	4:D:129:LYS:NZ	2.38	0.49
2:B:430:LEU:HD12	14:B:801:CLA:H12	1.94	0.49
14:B:809:CLA:HAB	14:B:810:CLA:HAA2	1.95	0.49
1:G:337:THR:HG21	18:G:852:LHG:O1	2.13	0.49
2:H:288:HIS:O	14:H:819:CLA:HED1	2.13	0.49
2:H:395:ILE:HG12	2:H:561:TYR:CG	2.47	0.49
17:I:101:BCR:H351	17:I:101:BCR:H15C	1.61	0.49
9:K:56:LEU:HG	9:K:57:PRO:HD3	1.95	0.49
10:L:21:ILE:O	10:L:21:ILE:HG22	2.12	0.49
14:Y:828:CLA:H91	17:f:103:BCR:H361	1.95	0.49
2:Z:303:MET:CE	14:Z:820:CLA:HMD1	2.43	0.49
2:Z:707:SER:H	2:Z:710:GLN:HE21	1.58	0.49
1:A:283:GLY:N	1:A:296:ASP:OD2	2.44	0.48
14:A:802:CLA:H93	14:B:841:CLA:CBB	2.43	0.48
14:A:839:CLA:H43	8:J:14:LEU:O	2.13	0.48
3:C:40:SER:OG	4:D:112:VAL:HG23	2.13	0.48
1:G:210:LEU:CD2	14:G:815:CLA:HAB	2.42	0.48
1:G:217:ILE:HD13	1:G:278:PHE:HE2	1.77	0.48
2:H:589:MET:SD	2:H:590:LEU:N	2.86	0.48
6:Q:116:TRP:N	6:Q:117:PRO:CD	2.76	0.48
8:S:15:ALA:O	8:S:19:MET:HB2	2.13	0.48
10:U:50:VAL:O	10:U:54:HIS:ND1	2.46	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:73:PHE:CZ	14:Y:810:CLA:HMB2	2.48	0.48
1:Y:197:LEU:HD12	1:Y:325:LEU:HD11	1.95	0.48
1:Y:722:LEU:HD22	1:Y:726:GLN:NE2	2.28	0.48
14:Y:816:CLA:HBB2	17:Y:847:BCR:C35	2.43	0.48
17:Y:851:BCR:HC8	17:Y:851:BCR:C32	2.43	0.48
2:Z:454:LYS:HG2	14:Z:831:CLA:HED3	1.94	0.48
8:f:13:VAL:HG22	17:f:104:BCR:H291	1.94	0.48
1:A:593:ASP:HA	1:A:596:PHE:HB3	1.94	0.48
14:A:806:CLA:H191	18:A:850:LHG:H211	1.95	0.48
2:B:11:LEU:HD11	2:B:26:MET:HE2	1.95	0.48
2:B:59:TRP:CE3	2:B:60:VAL:HG13	2.48	0.48
2:B:188:ALA:HA	14:B:815:CLA:HAB	1.95	0.48
2:B:369:THR:HG22	2:B:732:ILE:HD13	1.95	0.48
3:C:15:GLN:HA	3:C:18:ARG:HG2	1.94	0.48
6:F:139:SER:O	6:F:141:ARG:NH1	2.46	0.48
1:G:164:GLY:C	1:G:167:VAL:HG12	2.37	0.48
1:G:337:THR:HG22	18:G:852:LHG:O4	2.14	0.48
14:G:807:CLA:HBB2	17:G:854:BCR:H392	1.94	0.48
14:G:830:CLA:O2D	14:G:830:CLA:H2A	2.13	0.48
14:G:837:CLA:H161	14:h:201:CLA:H172	1.95	0.48
14:G:841:CLA:H193	8:S:19:MET:HG3	1.96	0.48
2:H:172:SER:O	2:H:176:HIS:ND1	2.42	0.48
2:H:240:SER:O	2:H:248:GLY:HA3	2.12	0.48
14:H:809:CLA:O1A	10:h:67:PRO:HG2	2.13	0.48
14:H:824:CLA:HMA1	17:H:844:BCR:H14C	1.94	0.48
3:N:64:ILE:HB	16:N:102:SF4:S3	2.53	0.48
1:Y:411:HIS:HA	1:Y:414:ILE:HD12	1.95	0.48
14:Y:825:CLA:HAA2	14:Y:825:CLA:HBD	1.95	0.48
17:Y:850:BCR:H382	17:Y:850:BCR:C23	2.43	0.48
1:G:202:ALA:HB2	1:G:312:GLY:HA3	1.95	0.48
2:H:139:ILE:O	2:H:143:ILE:HG12	2.13	0.48
3:N:6:ILE:HG13	3:N:64:ILE:HG13	1.94	0.48
1:Y:71:LYS:HE2	14:Y:811:CLA:OBD	2.13	0.48
1:Y:416:MET:O	1:Y:561:ARG:HD3	2.14	0.48
2:Z:554:PRO:HD2	3:a:61:PHE:CE1	2.48	0.48
14:A:826:CLA:CBB	17:A:848:BCR:H311	2.43	0.48
2:B:149:LEU:HB3	11:M:21:LEU:O	2.13	0.48
2:B:334:HIS:CE1	2:B:395:ILE:HG21	2.49	0.48
2:B:395:ILE:HG12	2:B:561:TYR:CG	2.48	0.48
2:B:480:LEU:HD21	12:X:29:TYR:CE2	2.48	0.48
4:D:7:PRO:O	4:D:50:ARG:NH1	2.47	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:45:THR:HG21	14:G:840:CLA:HBB1	1.95	0.48
1:G:237:PRO:CG	1:G:248:LEU:HD21	2.44	0.48
14:G:824:CLA:HBC2	14:G:824:CLA:HMC1	1.94	0.48
2:H:376:THR:HB	14:H:826:CLA:HMB2	1.94	0.48
10:L:75:ASN:ND2	10:L:139:LEU:HB3	2.28	0.48
1:Y:329:LEU:CD1	1:Y:345:TYR:HB2	2.43	0.48
15:Y:844:PQN:H141	14:d:201:CLA:CBB	2.43	0.48
14:Z:824:CLA:HED2	17:Z:845:BCR:C33	2.43	0.48
1:A:159:TYR:CE2	1:A:163:ILE:HD11	2.49	0.48
1:A:297:THR:HG22	14:A:819:CLA:HMA3	1.96	0.48
1:A:619:SER:O	1:A:633:HIS:ND1	2.45	0.48
14:A:841:CLA:HHD	17:B:848:BCR:H383	1.95	0.48
14:B:809:CLA:HMC2	17:B:848:BCR:H312	1.95	0.48
1:Y:468:PHE:O	2:Z:96:GLY:N	2.42	0.48
1:Y:487:ALA:HA	14:Y:837:CLA:HBA1	1.94	0.48
1:Y:534:ALA:O	1:Y:538:VAL:HG23	2.13	0.48
1:Y:743:THR:HG22	13:Y:801:CL0:OBD	2.13	0.48
2:Z:369:THR:O	2:Z:372:ALA:HB3	2.14	0.48
2:Z:615:PHE:O	2:Z:619:SER:OG	2.19	0.48
14:Z:826:CLA:H3A	14:Z:826:CLA:HBA2	1.63	0.48
4:b:32:THR:HA	4:b:52:GLY:O	2.14	0.48
6:d:22:VAL:O	6:d:34:ARG:NH2	2.41	0.48
2:B:189:TRP:CZ2	14:B:818:CLA:OBD	2.66	0.48
2:B:236:PRO:O	2:B:250:GLY:HA3	2.13	0.48
1:G:141:SER:HB3	1:G:143:LEU:HG	1.95	0.48
1:G:313:HIS:CE1	17:T:102:BCR:H363	2.48	0.48
2:H:59:TRP:NE1	14:H:826:CLA:OBD	2.46	0.48
2:H:522:ASP:HB3	2:H:526:HIS:CD2	2.48	0.48
14:H:818:CLA:HBA1	14:H:823:CLA:HBB1	1.95	0.48
7:I:30:LEU:HA	7:I:33:TYR:HB3	1.96	0.48
10:L:131:SER:HA	10:L:134:VAL:HG12	1.95	0.48
1:Y:360:LEU:HD13	1:Y:407:GLY:HA3	1.96	0.48
1:Y:675:LEU:HD21	14:Y:828:CLA:H143	1.95	0.48
2:Z:359:PRO:HB2	2:Z:364:ILE:CG2	2.44	0.48
2:Z:443:ASN:O	2:Z:447:VAL:HG23	2.13	0.48
2:Z:677:TRP:O	2:Z:678:GLN:C	2.55	0.48
6:d:18:ALA:HB2	6:d:35:PHE:CD2	2.49	0.48
1:A:118:TRP:CE3	17:J:104:BCR:H323	2.49	0.48
1:A:522:GLY:O	1:A:625:VAL:HG22	2.14	0.48
1:A:683:TRP:CD2	13:A:801:CL0:CMA	2.97	0.48
14:A:840:CLA:H142	17:F:201:BCR:C16	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:239:ALA:O	2:B:262:PRO:HG2	2.14	0.48
14:B:801:CLA:H2	14:B:801:CLA:HMA2	1.94	0.48
1:G:285:LEU:HD21	1:G:378:PRO:HD2	1.95	0.48
2:H:582:PHE:CE1	2:H:586:MET:CE	2.97	0.48
2:H:724:ILE:HD13	14:H:826:CLA:CMC	2.44	0.48
14:H:820:CLA:C3D	17:H:840:BCR:H393	2.43	0.48
4:O:5:GLY:HA2	4:O:53:GLU:HG2	1.96	0.48
10:U:76:LEU:O	10:U:79:LEU:N	2.47	0.48
1:Y:273:ALA:O	1:Y:276:SER:OG	2.32	0.48
14:Y:805:CLA:H201	14:Y:813:CLA:C15	2.43	0.48
14:Y:818:CLA:HMD1	14:Y:819:CLA:H202	1.95	0.48
2:Z:555:ASP:OD1	3:a:65:ARG:NH2	2.46	0.48
2:Z:637:LEU:HD22	2:Z:730:PHE:HA	1.95	0.48
14:Z:802:CLA:H3A	14:Z:802:CLA:HBA2	1.64	0.48
1:A:744:TRP:CE3	17:A:849:BCR:H313	2.49	0.48
17:A:849:BCR:HC8	17:A:849:BCR:C32	2.44	0.48
2:B:60:VAL:HG23	2:B:141:LEU:CD1	2.43	0.48
2:B:393:GLY:HA2	17:B:847:BCR:H393	1.95	0.48
2:B:721:VAL:HA	19:B:849:LMG:H432	1.95	0.48
14:G:804:CLA:HAB	14:G:806:CLA:CBD	2.44	0.48
14:G:826:CLA:HAB	17:G:849:BCR:C8	2.44	0.48
2:H:481:LEU:HD22	2:H:500:LEU:HD21	1.96	0.48
17:K:102:BCR:H351	17:K:102:BCR:H15C	1.62	0.48
14:L:207:CLA:HMB1	14:L:207:CLA:HBB1	1.96	0.48
6:Q:63:PHE:C	6:Q:66:PRO:HD2	2.38	0.48
6:Q:99:ILE:O	8:S:11:ALA:N	2.43	0.48
1:Y:368:ILE:HG13	1:Y:401:GLY:HA3	1.96	0.48
14:Y:803:CLA:C20	14:Z:801:CLA:H141	2.44	0.48
14:Y:823:CLA:HBD	14:Y:823:CLA:HAA1	1.96	0.48
3:a:9:THR:OG1	3:a:63:SER:HB2	2.13	0.48
6:d:131:ALA:HB3	6:d:136:ILE:HD11	1.95	0.48
1:A:376:ALA:HA	1:A:526:MET:CE	2.40	0.48
14:A:828:CLA:O1D	14:A:829:CLA:CMA	2.62	0.48
2:B:4:PHE:HB2	7:I:34:ILE:HA	1.95	0.48
2:B:72:ASN:O	2:B:76:TRP:N	2.47	0.48
2:B:428:VAL:HA	2:B:431:PHE:HB3	1.96	0.48
2:B:592:THR:O	2:B:595:TRP:N	2.47	0.48
2:B:663:TRP:CZ3	14:B:803:CLA:HMA3	2.48	0.48
14:B:810:CLA:H203	7:I:26:VAL:HG23	1.95	0.48
6:F:55:GLY:HA2	6:F:64:LEU:HD11	1.95	0.48
1:G:413:ALA:O	1:G:416:MET:HB2	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:818:CLA:H42	14:G:827:CLA:HAB	1.96	0.48
2:H:221:LEU:H	14:H:814:CLA:HMD2	1.78	0.48
17:T:102:BCR:H331	17:T:102:BCR:HC8	1.95	0.48
1:Y:49:TRP:CZ2	14:d:201:CLA:HAB	2.47	0.48
17:Y:851:BCR:H403	17:Y:851:BCR:C23	2.35	0.48
2:Z:202:ARG:NE	2:Z:237:ASP:OD1	2.35	0.48
2:Z:358:LEU:O	14:Z:815:CLA:HED1	2.14	0.48
2:Z:480:LEU:O	2:Z:482:SER:N	2.45	0.48
1:A:675:LEU:HD11	14:A:828:CLA:H143	1.96	0.48
2:B:86:ILE:HG23	2:B:112:VAL:HG22	1.95	0.48
2:B:149:LEU:HD21	17:M:101:BCR:H342	1.95	0.48
1:G:56:HIS:CD2	14:G:805:CLA:HBB2	2.48	0.48
1:G:337:THR:HG21	18:G:852:LHG:C1	2.44	0.48
1:G:348:LEU:HB3	14:G:825:CLA:HBC3	1.95	0.48
1:G:717:ILE:HD11	6:Q:95:ASN:O	2.14	0.48
14:G:822:CLA:CMD	17:T:102:BCR:H392	2.44	0.48
2:H:654:TRP:HE3	17:H:845:BCR:HC41	1.79	0.48
17:H:848:BCR:H351	17:H:848:BCR:H15C	1.69	0.48
17:L:203:BCR:H23C	17:L:203:BCR:C39	2.37	0.48
4:O:42:PRO:HD2	4:O:58:PHE:CZ	2.49	0.48
1:Y:237:PRO:HG2	1:Y:242:PHE:CZ	2.49	0.48
1:Y:387:TYR:HD2	1:Y:755:GLY:HA3	1.79	0.48
2:Z:31:GLU:OE1	2:Z:334:HIS:NE2	2.47	0.48
2:Z:401:TYR:O	4:b:126:SER:OG	2.30	0.48
11:i:3:LEU:HA	11:i:7:GLN:HE22	1.79	0.48
1:A:103:TRP:CG	1:A:144:PHE:HD2	2.31	0.47
1:A:121:VAL:HG22	14:B:833:CLA:CMD	2.43	0.47
1:A:602:MET:CG	14:A:826:CLA:HBC1	2.43	0.47
1:A:660:GLN:CG	1:A:750:ARG:HA	2.44	0.47
14:A:827:CLA:H172	14:A:834:CLA:H91	1.96	0.47
2:B:479:THR:HG21	12:X:29:TYR:O	2.13	0.47
2:B:491:ALA:HB2	2:B:497:ASN:ND2	2.29	0.47
14:G:805:CLA:H162	14:G:813:CLA:H51	1.96	0.47
17:G:848:BCR:H351	17:G:848:BCR:H15C	1.62	0.47
2:H:7:PHE:CD1	2:H:7:PHE:C	2.92	0.47
2:H:238:THR:OG1	2:H:248:GLY:O	2.22	0.47
2:H:339:TRP:CZ3	17:H:843:BCR:H372	2.48	0.47
9:K:43:LEU:HA	9:K:58:GLU:OE1	2.14	0.47
17:L:209:BCR:H383	17:L:209:BCR:H23C	1.95	0.47
2:B:22:TYR:O	2:B:26:MET:HG3	2.14	0.47
2:H:339:TRP:HH2	17:H:843:BCR:H372	1.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:425:LEU:HG	14:H:836:CLA:CAB	2.44	0.47
2:H:677:TRP:HZ3	17:H:845:BCR:H391	1.78	0.47
14:H:809:CLA:HBB2	7:R:19:CYS:HB3	1.96	0.47
17:J:104:BCR:H403	17:J:104:BCR:C23	2.41	0.47
9:K:55:GLY:HA3	9:K:59:LEU:HD11	1.96	0.47
1:Y:216:GLN:HA	1:Y:220:SER:HB3	1.96	0.47
1:Y:337:THR:HG22	1:Y:340:GLY:HA2	1.95	0.47
2:Z:22:TYR:O	2:Z:26:MET:HG3	2.14	0.47
2:Z:136:GLN:HE22	2:Z:208:TRP:HE1	1.63	0.47
2:Z:697:VAL:HG23	2:Z:697:VAL:O	2.15	0.47
1:A:101:GLU:HG3	1:A:155:GLU:HG3	1.95	0.47
1:A:399:TRP:CD1	14:A:828:CLA:CAB	2.77	0.47
2:B:260:PHE:CE1	2:B:358:LEU:HD23	2.49	0.47
2:B:396:PHE:CD1	2:B:400:ASP:HB2	2.49	0.47
1:G:199:HIS:O	1:G:203:GLY:N	2.48	0.47
1:G:332:HIS:HE1	14:G:823:CLA:NA	2.11	0.47
1:G:743:THR:HG22	13:G:801:CL0:OBD	2.13	0.47
14:G:811:CLA:H171	14:S:1101:CLA:HBB1	1.96	0.47
14:G:831:CLA:O1A	10:h:20:PRO:HG2	2.15	0.47
14:G:839:CLA:HAA2	14:G:853:CLA:HMB2	1.95	0.47
17:G:847:BCR:H321	17:G:847:BCR:HC8	1.96	0.47
14:G:853:CLA:OBD	14:H:829:CLA:H3A	2.14	0.47
2:H:50:PHE:CD2	2:H:152:GLY:HA2	2.49	0.47
2:H:491:ALA:HB1	2:H:494:ASN:HD21	1.79	0.47
10:U:153:PHE:CD2	10:h:68:LEU:HD21	2.49	0.47
1:Y:257:ASP:O	1:Y:258:TRP:HB2	2.14	0.47
2:Z:203:GLY:N	2:Z:244:GLY:O	2.46	0.47
4:b:117:ARG:NH2	4:b:123:PRO:HD3	2.28	0.47
9:g:25:PHE:C	9:g:29:LEU:HD12	2.34	0.47
1:A:120:ILE:C	1:A:122:GLY:H	2.23	0.47
1:A:337:THR:HG22	14:A:831:CLA:HMD3	1.97	0.47
1:A:451:LEU:CD2	14:A:837:CLA:HAB	2.36	0.47
2:B:110:ASN:HB3	7:I:3:GLY:HA2	1.96	0.47
2:B:372:ALA:HA	2:B:600:TRP:CZ3	2.50	0.47
2:B:434:PHE:CZ	17:F:201:BCR:H372	2.50	0.47
17:B:851:BCR:H401	8:J:33:TYR:CD1	2.50	0.47
3:C:62:LEU:HD12	3:C:65:ARG:NE	2.30	0.47
1:G:601:TRP:HE1	14:H:803:CLA:C1D	2.28	0.47
14:G:841:CLA:H172	8:S:19:MET:HG3	1.96	0.47
2:H:202:ARG:NH2	2:H:252:ALA:O	2.29	0.47
10:L:16:HIS:CD2	10:L:17:LEU:H	2.33	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:Q:94:ALA:O	6:Q:98:GLU:HG3	2.14	0.47
17:R:102:BCR:H331	17:R:102:BCR:C8	2.30	0.47
9:T:55:GLY:HA3	9:T:59:LEU:HD11	1.95	0.47
1:Y:449:ILE:HG12	14:Y:855:CLA:HBA2	1.96	0.47
1:Y:696:TYR:OH	14:Z:801:CLA:OBD	2.30	0.47
14:Y:804:CLA:H91	17:f:104:BCR:C38	2.45	0.47
17:Y:856:BCR:H351	17:Y:856:BCR:H15C	1.70	0.47
2:Z:198:ILE:HA	2:Z:201:SER:HB3	1.96	0.47
2:Z:542:LYS:HE2	2:Z:546:ASP:OD2	2.14	0.47
4:b:49:MET:HB2	4:b:54:ASN:HD21	1.77	0.47
17:h:203:BCR:H331	17:h:203:BCR:C8	2.44	0.47
1:A:464:THR:HG22	2:B:654:TRP:NE1	2.27	0.47
14:A:808:CLA:H3A	14:A:808:CLA:HBA2	1.56	0.47
14:A:824:CLA:O1A	14:A:824:CLA:H3A	2.13	0.47
2:B:17:THR:HG21	14:B:840:CLA:HBB1	1.97	0.47
6:F:116:TRP:N	6:F:117:PRO:CD	2.77	0.47
1:G:387:TYR:CE2	1:G:622:TRP:HB3	2.50	0.47
1:G:614:SER:O	1:G:618:GLN:HG3	2.15	0.47
14:G:802:CLA:HMA3	14:G:802:CLA:C2	2.44	0.47
14:G:839:CLA:HAB	14:G:839:CLA:H122	1.96	0.47
2:H:332:SER:O	2:H:336:GLN:HG3	2.14	0.47
5:P:6:LYS:HD2	5:P:22:THR:HG22	1.95	0.47
6:Q:76:TRP:O	6:Q:80:VAL:HG12	2.14	0.47
1:Y:168:MET:O	1:Y:172:MET:HG2	2.14	0.47
2:Z:377:HIS:O	2:Z:381:ILE:HG12	2.15	0.47
8:f:40:PRO:HG2	17:f:105:BCR:C26	2.45	0.47
9:g:56:LEU:HB2	9:g:59:LEU:HD13	1.95	0.47
17:h:202:BCR:H15C	17:h:202:BCR:H351	1.76	0.47
1:A:551:LEU:O	1:A:555:LYS:HB2	2.15	0.47
14:A:828:CLA:O1D	14:A:829:CLA:HMA1	2.15	0.47
2:B:2:THR:HG21	2:B:19:ARG:NH1	2.29	0.47
2:B:275:HIS:CE1	14:B:818:CLA:C2B	2.98	0.47
14:B:821:CLA:HMB2	14:B:822:CLA:H42	1.96	0.47
17:B:851:BCR:H391	8:J:33:TYR:CD1	2.48	0.47
5:E:23:VAL:HA	5:E:38:VAL:HA	1.96	0.47
1:G:403:PHE:CZ	1:G:736:LEU:HD13	2.49	0.47
1:G:696:TYR:OH	14:G:802:CLA:OBD	2.23	0.47
14:G:825:CLA:H42	14:G:829:CLA:C19	2.45	0.47
2:H:289:MET:HE1	14:H:818:CLA:C3D	2.45	0.47
2:H:397:LEU:O	2:H:401:TYR:HB3	2.15	0.47
2:H:693:LEU:O	2:H:696:LEU:HB2	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:L:208:BCR:H351	17:L:208:BCR:H15C	1.77	0.47
14:Y:832:CLA:HHB	2:Z:691:THR:HG22	1.95	0.47
6:d:82:ARG:HH22	6:d:129:LEU:HA	1.79	0.47
10:h:33:ASN:HB3	14:h:205:CLA:HAC1	1.96	0.47
1:A:45:THR:CG2	1:A:720:ARG:H	2.26	0.47
1:A:304:ILE:HD12	14:A:819:CLA:HAB	1.97	0.47
14:A:805:CLA:CAD	14:A:825:CLA:H93	2.45	0.47
2:B:50:PHE:HB3	2:B:148:ALA:O	2.15	0.47
2:B:253:ILE:HG13	2:B:254:LEU:HG	1.96	0.47
14:B:827:CLA:HBC3	19:B:849:LMG:H422	1.96	0.47
14:B:833:CLA:HED2	14:B:833:CLA:H2A	1.95	0.47
17:B:851:BCR:C21	8:J:36:LEU:HD13	2.45	0.47
3:C:76:MET:HB2	3:C:78:LEU:HG	1.96	0.47
1:G:405:VAL:HG13	17:G:849:BCR:H342	1.97	0.47
1:G:426:GLN:NE2	4:O:48:VAL:CG2	2.78	0.47
1:G:606:ILE:O	1:G:609:VAL:HB	2.15	0.47
1:G:694:ARG:NH1	2:H:572:GLY:O	2.47	0.47
2:H:187:LEU:HB2	2:H:280:ALA:HB1	1.96	0.47
2:H:336:GLN:O	2:H:340:HIS:ND1	2.48	0.47
2:H:368:HIS:HB3	2:H:608:TRP:CE3	2.50	0.47
2:H:494:ASN:HD22	2:H:496:GLY:N	2.11	0.47
14:H:835:CLA:H42	14:H:835:CLA:C4C	2.45	0.47
14:H:837:CLA:HBB2	15:H:839:PQN:H141	1.96	0.47
17:I:101:BCR:H382	17:I:101:BCR:C23	2.45	0.47
8:J:28:GLU:OE1	8:J:28:GLU:HA	2.15	0.47
17:J:103:BCR:H15C	17:J:103:BCR:H351	1.63	0.47
14:K:103:CLA:H2A	14:K:103:CLA:CED	2.45	0.47
10:U:54:HIS:HA	10:U:57:PHE:CE2	2.50	0.47
1:Y:164:GLY:O	17:Y:847:BCR:H313	2.15	0.47
1:Y:451:LEU:HD21	14:Y:838:CLA:CAB	2.45	0.47
1:Y:608:VAL:HG21	13:Y:801:CL0:H66	1.96	0.47
14:Y:808:CLA:H91	14:Y:811:CLA:H191	1.95	0.47
17:Y:846:BCR:H351	17:Y:846:BCR:H15C	1.58	0.47
2:Z:188:ALA:HB2	14:Z:813:CLA:HBB2	1.96	0.47
2:Z:255:THR:HG23	2:Z:271:ASP:OD1	2.14	0.47
2:Z:377:HIS:HB2	14:Z:825:CLA:C1B	2.44	0.47
2:Z:437:LEU:O	2:Z:441:VAL:HG23	2.14	0.47
2:Z:589:MET:HA	14:Z:823:CLA:HBC1	1.97	0.47
2:Z:677:TRP:O	2:Z:680:LEU:N	2.48	0.47
14:Z:808:CLA:H93	14:Z:827:CLA:H193	1.97	0.47
4:b:9:LEU:HB2	4:b:48:VAL:HG22	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:c:11:ARG:HD2	5:c:14:SER:HB2	1.97	0.47
2:B:655:MET:CG	2:B:725:LEU:HD22	2.45	0.47
4:D:5:GLY:HA3	4:D:55:LEU:HB2	1.97	0.47
4:D:28:ALA:HB2	4:D:57:TYR:CD1	2.49	0.47
1:G:79:HIS:O	1:G:83:VAL:HG23	2.15	0.47
1:G:319:TRP:HB3	9:T:58:GLU:HG3	1.97	0.47
1:G:336:PHE:CE1	10:h:4:LEU:HD13	2.50	0.47
14:G:842:CLA:HHD	17:H:845:BCR:H383	1.96	0.47
2:H:110:ASN:ND2	7:R:4:SER:H	2.13	0.47
2:H:200:GLU:OE2	2:H:205:HIS:CE1	2.68	0.47
17:H:842:BCR:H321	17:H:842:BCR:HC8	1.97	0.47
6:Q:84:TYR:C	6:Q:84:TYR:CD2	2.93	0.47
10:U:58:LEU:HD13	10:U:85:LEU:CD2	2.45	0.47
1:Y:13:ARG:HD2	1:Y:15:VAL:HG22	1.96	0.47
1:Y:140:THR:HG21	1:Y:748:LEU:HD22	1.97	0.47
2:Z:380:TYR:HH	2:Z:723:TYR:HE1	1.61	0.47
14:Z:828:CLA:HAB	14:Z:837:CLA:HBB2	1.97	0.47
7:e:3:GLY:HA3	7:e:5:TYR:CE2	2.50	0.47
1:A:31:PRO:HG2	1:A:47:TRP:HH2	1.79	0.47
2:B:150:PHE:HZ	14:G:843:CLA:H11	1.80	0.47
2:B:238:THR:HG22	2:B:240:SER:H	1.80	0.47
14:B:805:CLA:HMC1	14:B:807:CLA:OBD	2.14	0.47
6:F:117:PRO:O	6:F:121:LEU:HG	2.15	0.47
1:G:352:TRP:HB3	14:G:805:CLA:CAC	2.40	0.47
1:G:608:VAL:HA	1:G:611:PHE:HB2	1.97	0.47
14:G:830:CLA:H161	17:G:850:BCR:H342	1.96	0.47
14:G:834:CLA:H91	17:G:849:BCR:H372	1.96	0.47
2:H:704:VAL:HG21	3:N:76:MET:HE1	1.97	0.47
14:H:821:CLA:HBC1	14:H:822:CLA:H102	1.97	0.47
10:U:75:ASN:ND2	10:U:139:LEU:HB3	2.29	0.47
1:Y:14:VAL:HA	1:Y:189:TRP:HD1	1.80	0.47
1:Y:214:GLY:O	1:Y:218:HIS:HB2	2.15	0.47
1:Y:372:GLN:HE22	14:Y:837:CLA:CHC	2.28	0.47
14:Y:832:CLA:HHB	2:Z:691:THR:CG2	2.45	0.47
17:Y:851:BCR:H402	14:Z:801:CLA:H142	1.96	0.47
4:b:82:ILE:HG22	4:b:94:ILE:HD11	1.95	0.47
14:h:206:CLA:HMA3	14:h:207:CLA:HBC1	1.97	0.47
1:A:654:LEU:HD13	14:B:803:CLA:CBB	2.45	0.47
14:B:832:CLA:H121	6:F:71:LEU:HD22	1.97	0.47
1:G:68:ILE:O	1:G:72:ILE:HG13	2.14	0.47
14:G:811:CLA:HBA2	14:G:811:CLA:H3A	1.61	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:818:CLA:HAA1	14:G:827:CLA:HBB2	1.97	0.47
2:H:173:ARG:HB2	14:H:812:CLA:HBC2	1.97	0.47
2:H:181:LEU:HD22	14:H:812:CLA:CHB	2.44	0.47
2:H:530:ALA:HA	14:H:836:CLA:HED3	1.97	0.47
14:H:808:CLA:HMA2	14:H:809:CLA:HAB	1.96	0.47
7:I:17:VAL:O	7:I:22:MET:HB2	2.15	0.47
10:L:107:SER:O	10:L:108:SER:C	2.57	0.47
10:U:131:SER:HA	10:U:134:VAL:HG12	1.96	0.47
1:Y:219:VAL:CG2	1:Y:239:PRO:HB3	2.42	0.47
1:Y:543:ALA:O	1:Y:547:HIS:CD2	2.68	0.47
2:Z:92:ASP:C	2:Z:94:GLN:H	2.23	0.47
2:Z:586:MET:HB3	2:Z:716:LEU:HD11	1.96	0.47
2:Z:648:ASN:OD1	2:Z:649:LEU:HG	2.14	0.47
8:f:12:PRO:HB2	17:f:104:BCR:H391	1.97	0.47
1:A:28:TRP:HB3	8:J:7:TYR:HB2	1.97	0.46
1:A:587:CYS:O	2:B:675:GLY:HA3	2.15	0.46
1:A:650:LEU:HD23	2:B:638:ILE:CD1	2.45	0.46
14:A:829:CLA:H12	17:A:846:BCR:H24C	1.95	0.46
1:G:88:SER:OG	1:G:165:GLY:HA3	2.15	0.46
1:G:301:HIS:HE1	14:G:819:CLA:NA	2.12	0.46
1:G:341:HIS:HD1	1:G:429:VAL:CG2	2.28	0.46
17:G:849:BCR:H271	17:G:849:BCR:H393	1.97	0.46
2:H:548:ARG:HH22	4:O:124:ASN:CG	2.23	0.46
17:H:844:BCR:HC8	17:H:844:BCR:H311	1.95	0.46
14:U:1002:CLA:CBA	17:U:1008:BCR:H363	2.45	0.46
1:Y:34:PHE:HB2	1:Y:61:HIS:CD2	2.49	0.46
1:Y:140:THR:HG21	1:Y:748:LEU:CD2	2.45	0.46
1:Y:456:PHE:O	1:Y:460:VAL:HG22	2.16	0.46
1:Y:683:TRP:O	1:Y:686:SER:N	2.48	0.46
14:Y:840:CLA:H3A	14:Y:840:CLA:HBA2	1.69	0.46
2:Z:378:HIS:O	2:Z:382:ALA:N	2.46	0.46
17:Z:845:BCR:H351	17:Z:845:BCR:H15C	1.56	0.46
6:d:76:TRP:CD1	6:d:113:GLY:HA3	2.50	0.46
8:f:33:TYR:HB3	8:f:36:LEU:HD11	1.97	0.46
1:A:356:LEU:HD11	14:A:830:CLA:CBB	2.45	0.46
1:A:694:ARG:HD3	2:B:572:GLY:HA3	1.97	0.46
2:B:503:TRP:NE1	14:B:834:CLA:HED1	2.30	0.46
1:G:98:SER:HB2	1:G:144:PHE:CZ	2.51	0.46
1:G:405:VAL:HG11	14:G:826:CLA:C2C	2.45	0.46
2:H:347:ILE:HA	2:H:350:LEU:CB	2.45	0.46
2:H:427:TRP:CD1	14:Q:201:CLA:HED2	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:807:CLA:HAB	14:H:808:CLA:CAA	2.41	0.46
14:H:827:CLA:HBC2	14:H:827:CLA:HHD	1.98	0.46
17:H:840:BCR:H351	17:H:840:BCR:H15C	1.72	0.46
8:J:20:THR:HG23	17:J:104:BCR:H351	1.97	0.46
3:N:22:THR:HG22	4:O:62:GLU:HB2	1.98	0.46
3:N:71:GLU:HB3	3:N:76:MET:HG3	1.95	0.46
1:Y:684:ALA:C	14:Z:801:CLA:HAB	2.41	0.46
2:Z:49:HIS:ND1	14:Z:811:CLA:OBD	2.48	0.46
11:i:4:THR:HG22	11:i:7:GLN:NE2	2.30	0.46
1:A:46:THR:O	1:A:49:TRP:N	2.48	0.46
1:A:677:LEU:O	14:A:852:CLA:HBA1	2.15	0.46
14:A:826:CLA:HAB	17:A:848:BCR:C8	2.44	0.46
14:A:852:CLA:H42	2:B:441:VAL:HG13	1.98	0.46
2:B:49:HIS:HB3	14:B:813:CLA:O1D	2.15	0.46
2:B:414:VAL:HA	2:B:417:HIS:CE1	2.50	0.46
2:B:426:SER:HB2	14:B:801:CLA:HED2	1.97	0.46
14:B:804:CLA:HMA3	14:B:804:CLA:C2	2.45	0.46
1:G:219:VAL:HG13	1:G:239:PRO:HB3	1.98	0.46
1:G:358:ILE:HG22	1:G:359:ASN:HD22	1.79	0.46
1:G:375:TYR:OH	14:G:836:CLA:HBC3	2.15	0.46
2:H:275:HIS:HB2	14:H:816:CLA:CHB	2.46	0.46
2:H:583:TYR:CD1	2:H:712:ARG:HB3	2.49	0.46
2:H:663:TRP:CE2	14:H:802:CLA:HMA3	2.49	0.46
14:H:803:CLA:HMA2	17:H:845:BCR:H373	1.97	0.46
9:T:69:LEU:HA	14:T:103:CLA:HBC2	1.96	0.46
10:U:61:PRO:HA	14:U:1004:CLA:HMB1	1.98	0.46
1:Y:503:PRO:HG3	14:Y:836:CLA:CMD	2.45	0.46
14:Y:816:CLA:HBB2	17:Y:847:BCR:H352	1.97	0.46
2:Z:530:ALA:O	2:Z:534:HIS:ND1	2.42	0.46
14:Z:807:CLA:H2	14:Z:807:CLA:H102	1.98	0.46
1:A:42:PRO:HG3	6:F:99:ILE:HD13	1.98	0.46
1:A:86:TRP:O	1:A:90:MET:HG2	2.16	0.46
1:A:433:VAL:HG21	14:A:824:CLA:HMC2	1.97	0.46
14:A:819:CLA:H93	14:A:829:CLA:H171	1.97	0.46
14:A:831:CLA:O2D	10:L:5:VAL:HG11	2.14	0.46
2:B:11:LEU:HD22	2:B:19:ARG:HA	1.97	0.46
2:B:91:TRP:N	14:B:810:CLA:O1D	2.48	0.46
14:B:810:CLA:CMB	14:L:202:CLA:CHC	2.94	0.46
1:G:569:LYS:NZ	2:H:679:GLU:OE2	2.41	0.46
14:G:821:CLA:ND	14:G:827:CLA:H142	2.31	0.46
14:G:842:CLA:H93	14:G:842:CLA:HBB1	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:357:SER:HB3	14:H:825:CLA:HMC2	1.96	0.46
14:H:805:CLA:CED	14:H:828:CLA:H43	2.46	0.46
7:R:14:PHE:O	7:R:18:VAL:HG23	2.15	0.46
14:U:1006:CLA:OBD	14:Y:834:CLA:HBA2	2.14	0.46
17:U:1008:BCR:H351	17:U:1008:BCR:H15C	1.70	0.46
1:Y:224:ASN:OD1	1:Y:294:LEU:HD22	2.15	0.46
1:Y:662:ILE:HD13	13:Y:801:CL0:H22	1.98	0.46
2:Z:385:LEU:HD21	14:Z:805:CLA:H142	1.97	0.46
2:Z:605:LEU:O	2:Z:609:GLU:HG3	2.14	0.46
15:Z:840:PQN:H193	15:Z:840:PQN:H162	1.70	0.46
6:d:54:ASP:OD2	12:j:30:TYR:CZ	2.65	0.46
10:h:79:LEU:O	10:h:83:ILE:HG13	2.15	0.46
1:A:71:LYS:HA	14:A:811:CLA:HMD2	1.97	0.46
1:A:279:LEU:HB3	1:A:299:HIS:CD2	2.51	0.46
1:A:387:TYR:CZ	1:A:622:TRP:HB3	2.51	0.46
14:A:822:CLA:HBA2	9:K:35:GLN:CG	2.46	0.46
14:A:840:CLA:H193	8:J:19:MET:HG3	1.98	0.46
2:B:390:PHE:CD2	2:B:540:LEU:HD13	2.50	0.46
3:C:7:TYR:CD1	4:D:115:VAL:HB	2.51	0.46
6:F:116:TRP:CD1	6:F:117:PRO:HD3	2.50	0.46
1:G:219:VAL:HG11	14:G:814:CLA:O1D	2.16	0.46
1:G:429:VAL:HG13	14:G:831:CLA:CMD	2.45	0.46
1:G:672:TYR:CE1	1:G:748:LEU:HD12	2.50	0.46
14:G:825:CLA:HMD1	14:G:825:CLA:H142	1.98	0.46
14:G:829:CLA:H112	14:G:829:CLA:H162	1.97	0.46
14:H:838:CLA:O1A	15:H:839:PQN:H302	2.16	0.46
6:Q:33:LYS:HA	6:Q:33:LYS:HD2	1.76	0.46
10:U:41:LEU:HD21	10:h:98:LEU:HD21	1.97	0.46
14:Y:840:CLA:C2B	14:Z:830:CLA:H41	2.46	0.46
2:Z:86:ILE:HG23	2:Z:112:VAL:HB	1.96	0.46
2:Z:304:MET:HG3	2:Z:322:HIS:O	2.15	0.46
2:Z:487:ILE:HA	2:Z:490:THR:OG1	2.14	0.46
14:Z:819:CLA:CBB	14:Z:820:CLA:HBC2	2.45	0.46
14:Z:825:CLA:O1D	14:Z:826:CLA:CMA	2.62	0.46
3:a:51:LYS:HE2	3:a:66:VAL:HB	1.96	0.46
10:h:113:THR:HG23	10:h:116:GLY:H	1.80	0.46
1:A:193:VAL:HG11	14:A:825:CLA:HAC2	1.96	0.46
1:A:442:SER:HB3	2:B:683:THR:O	2.15	0.46
1:A:670:SER:HB3	2:B:448:ALA:HB1	1.97	0.46
2:B:21:TRP:CZ3	15:B:842:PQN:H293	2.51	0.46
2:B:86:ILE:CG2	2:B:112:VAL:HG22	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:696:LEU:HD11	10:L:36:ALA:HB1	1.98	0.46
2:B:723:TYR:HE2	14:B:803:CLA:CGA	2.28	0.46
3:C:1:ALA:N	3:C:70:ALA:O	2.41	0.46
5:E:36:VAL:HG23	5:E:36:VAL:O	2.16	0.46
1:G:13:ARG:HB3	1:G:188:GLU:OE1	2.16	0.46
1:G:77:PHE:CE1	14:G:813:CLA:HED1	2.51	0.46
1:G:86:TRP:CZ3	17:G:847:BCR:H401	2.46	0.46
1:G:450:PHE:CE2	14:G:837:CLA:HAB	2.47	0.46
1:G:583:ARG:NH2	4:O:62:GLU:OE2	2.42	0.46
14:G:840:CLA:CBB	15:G:844:PQN:H141	2.46	0.46
2:H:52:HIS:CE1	14:H:804:CLA:HMA2	2.49	0.46
2:H:387:VAL:HG11	2:H:586:MET:HE2	1.97	0.46
17:J:103:BCR:HC8	17:J:103:BCR:C32	2.44	0.46
17:Q:204:BCR:H371	17:Q:204:BCR:H24C	1.69	0.46
14:U:1006:CLA:CHC	14:Z:808:CLA:CMB	2.93	0.46
1:Y:300:HIS:NE2	14:Y:819:CLA:C2B	2.79	0.46
1:Y:314:MET:O	1:Y:323:HIS:N	2.42	0.46
2:Z:121:HIS:O	2:Z:125:THR:OG1	2.31	0.46
2:Z:339:TRP:CE2	14:Z:824:CLA:H91	2.51	0.46
14:Z:818:CLA:HBA2	14:Z:818:CLA:H3A	1.71	0.46
17:Z:843:BCR:H351	17:Z:843:BCR:H15C	1.65	0.46
6:d:23:ASN:HA	6:d:30:SER:HB2	1.96	0.46
1:A:54:LEU:O	1:A:61:HIS:NE2	2.48	0.46
1:A:556:GLY:HA3	1:A:594:HIS:CG	2.51	0.46
2:B:75:GLN:O	2:B:78:GLN:CG	2.64	0.46
2:B:582:PHE:HE1	14:B:829:CLA:HAC2	1.81	0.46
14:B:806:CLA:HED2	14:B:807:CLA:HMB2	1.96	0.46
17:B:847:BCR:H371	17:B:847:BCR:H24C	1.72	0.46
1:G:52:HIS:O	14:G:830:CLA:H11	2.15	0.46
1:G:662:ILE:HG22	2:H:623:MET:SD	2.55	0.46
14:G:809:CLA:HBB1	14:G:809:CLA:HMB3	1.97	0.46
2:H:332:SER:HB2	2:H:400:ASP:HB3	1.97	0.46
6:Q:65:ILE:HD12	14:S:1103:CLA:CMB	2.45	0.46
17:R:102:BCR:H392	17:R:102:BCR:H23C	1.98	0.46
1:Y:249:MET:O	1:Y:251:GLU:N	2.48	0.46
1:Y:563:SER:HB2	1:Y:566:ILE:O	2.16	0.46
14:Y:805:CLA:H191	14:Y:813:CLA:H143	1.98	0.46
14:Y:842:CLA:HMB2	2:Z:697:VAL:CG2	2.46	0.46
17:Y:849:BCR:C8	17:Y:849:BCR:H331	2.44	0.46
2:Z:153:TRP:N	11:i:25:LEU:HD13	2.31	0.46
14:Z:835:CLA:C7	12:j:26:VAL:HG21	2.41	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:591:GLY:O	1:A:595:VAL:HG23	2.16	0.46
2:B:579:TRP:O	2:B:582:PHE:HB3	2.15	0.46
3:C:20:CYS:HA	16:C:101:SF4:S4	2.56	0.46
1:G:378:PRO:HG2	1:G:384:ALA:HB2	1.98	0.46
17:G:854:BCR:HC8	17:G:854:BCR:C33	2.39	0.46
2:H:21:TRP:CD1	2:H:710:GLN:HE22	2.33	0.46
2:H:451:THR:HG22	6:Q:22:VAL:HG13	1.98	0.46
3:N:13:CYS:C	3:N:15:GLN:H	2.23	0.46
17:R:101:BCR:H351	17:R:101:BCR:H15C	1.73	0.46
2:Z:668:MET:O	2:Z:672:SER:OG	2.26	0.46
2:Z:674:ARG:HG3	2:Z:706:LEU:O	2.16	0.46
1:A:347:VAL:CG2	1:A:425:ASN:HD21	2.29	0.46
1:A:682:ILE:HG23	1:A:734:HIS:HD2	1.81	0.46
14:A:811:CLA:HHC	14:A:811:CLA:CBB	2.46	0.46
2:B:135:TYR:OH	11:M:7:GLN:O	2.28	0.46
2:B:450:GLY:C	2:B:452:PRO:HD3	2.41	0.46
2:B:689:GLU:O	2:B:695:ASN:OD1	2.34	0.46
1:G:12:VAL:N	1:G:318:ASN:OD1	2.49	0.46
1:G:736:LEU:HD12	18:G:851:LHG:H332	1.98	0.46
17:H:841:BCR:H371	17:H:841:BCR:H24C	1.73	0.46
9:K:65:PHE:HD1	9:K:68:LEU:HD21	1.81	0.46
1:Y:447:VAL:O	1:Y:451:LEU:HG	2.16	0.46
1:Y:733:ALA:HA	18:Y:852:LHG:H342	1.97	0.46
2:Z:479:THR:N	2:Z:482:SER:OG	2.49	0.46
2:B:17:THR:HG22	2:B:704:VAL:HG22	1.98	0.46
2:B:75:GLN:O	2:B:78:GLN:HG2	2.16	0.46
14:B:810:CLA:H203	7:I:26:VAL:CG2	2.46	0.46
14:B:825:CLA:CMA	17:B:847:BCR:H14C	2.46	0.46
1:G:224:ASN:CB	1:G:294:LEU:HD13	2.46	0.46
14:G:814:CLA:CMC	14:G:815:CLA:HBB1	2.46	0.46
17:G:846:BCR:H15C	17:G:846:BCR:H351	1.55	0.46
17:G:850:BCR:H351	17:G:850:BCR:H15C	1.84	0.46
2:H:93:PRO:HB3	10:U:149:MET:HA	1.97	0.46
2:H:178:LEU:O	2:H:183:GLY:N	2.49	0.46
14:H:809:CLA:HHC	14:H:809:CLA:CBB	2.46	0.46
1:Y:99:ASN:O	1:Y:103:TRP:N	2.47	0.46
1:Y:458:LEU:HD22	1:Y:475:PHE:CE2	2.51	0.46
1:Y:582:GLY:O	1:Y:586:THR:HG23	2.15	0.46
2:Z:440:TYR:HB3	2:Z:622:LEU:HD11	1.97	0.46
2:Z:451:THR:HG22	6:d:22:VAL:CG2	2.46	0.46
2:B:339:TRP:CZ2	14:B:826:CLA:H91	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:566:ASP:CG	3:C:65:ARG:HH21	2.23	0.45
2:B:669:PHE:HB3	2:B:711:ALA:O	2.17	0.45
1:G:71:LYS:HG2	14:G:811:CLA:OBD	2.16	0.45
1:G:541:ILE:CD1	13:G:801:CL0:H63	2.41	0.45
14:G:817:CLA:CBC	14:G:818:CLA:HMC1	2.46	0.45
14:G:839:CLA:C2B	14:Q:201:CLA:H41	2.46	0.45
17:G:849:BCR:H382	17:G:849:BCR:C23	2.44	0.45
14:H:804:CLA:HBA1	14:H:804:CLA:H3A	1.77	0.45
4:O:42:PRO:HD2	4:O:58:PHE:HZ	1.81	0.45
8:S:27:ILE:HG21	17:S:1104:BCR:C10	2.46	0.45
14:Y:817:CLA:HBC2	14:Y:817:CLA:HMC1	1.96	0.45
14:Y:828:CLA:H201	17:f:103:BCR:H14C	1.97	0.45
17:Y:847:BCR:H351	17:Y:847:BCR:H15C	1.67	0.45
2:Z:246:ALA:O	2:Z:249:ALA:N	2.33	0.45
14:Z:804:CLA:H3A	14:Z:804:CLA:HBA1	1.66	0.45
14:Z:824:CLA:HED2	17:Z:845:BCR:H332	1.98	0.45
14:A:803:CLA:H172	14:A:840:CLA:H161	1.98	0.45
2:B:177:HIS:HA	2:B:181:LEU:HB3	1.97	0.45
2:B:353:GLN:HE22	14:B:837:CLA:C4B	2.30	0.45
2:B:376:THR:HG22	2:B:597:THR:CG2	2.46	0.45
2:B:473:LEU:HD21	2:B:482:SER:HA	1.98	0.45
2:B:681:ILE:O	2:B:685:VAL:HG23	2.17	0.45
1:G:237:PRO:HG2	1:G:242:PHE:CE2	2.52	0.45
1:G:272:TRP:HB3	14:G:817:CLA:HHB	1.98	0.45
1:G:353:HIS:HB3	1:G:411:HIS:HB3	1.99	0.45
14:G:835:CLA:HBD	14:G:835:CLA:HAA1	1.98	0.45
2:H:696:LEU:HD11	10:h:36:ALA:HB1	1.98	0.45
10:L:41:LEU:HD22	10:L:45:LEU:HD23	1.99	0.45
17:L:209:BCR:H15C	17:L:209:BCR:H351	1.78	0.45
6:Q:73:ILE:O	6:Q:77:ILE:HG13	2.15	0.45
1:Y:302:LEU:HD13	14:Y:815:CLA:HMC3	1.98	0.45
1:Y:308:PHE:O	1:Y:312:GLY:N	2.48	0.45
1:Y:407:GLY:CA	14:Y:830:CLA:C2C	2.95	0.45
1:Y:607:SER:O	1:Y:610:ILE:HG12	2.16	0.45
14:Y:842:CLA:HMB2	2:Z:697:VAL:HG21	1.97	0.45
2:Z:672:SER:C	2:Z:673:TRP:HD1	2.24	0.45
2:Z:681:ILE:HA	2:Z:684:LEU:HD12	1.98	0.45
14:Z:832:CLA:C1A	14:Z:832:CLA:HED2	2.46	0.45
4:b:95:HIS:O	4:b:97:LYS:N	2.48	0.45
9:g:65:PHE:O	9:g:69:LEU:HB2	2.15	0.45
14:A:806:CLA:HMA2	14:A:830:CLA:C3B	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:826:CLA:H92	14:A:838:CLA:H41	1.97	0.45
2:B:21:TRP:HZ3	15:B:842:PQN:H293	1.81	0.45
2:B:176:HIS:HB3	14:B:813:CLA:CAB	2.45	0.45
2:B:390:PHE:CE2	17:B:847:BCR:H373	2.50	0.45
2:B:677:TRP:HZ3	14:B:804:CLA:O1D	2.00	0.45
14:B:809:CLA:CMC	17:B:848:BCR:H312	2.46	0.45
4:D:9:LEU:HD23	4:D:50:ARG:NH1	2.31	0.45
1:G:103:TRP:CD1	1:G:107:PRO:HA	2.51	0.45
1:G:405:VAL:HG13	17:G:849:BCR:C34	2.46	0.45
14:G:839:CLA:H161	6:Q:81:GLY:HA2	1.98	0.45
2:H:271:ASP:HB3	14:H:816:CLA:CMA	2.46	0.45
2:H:677:TRP:CZ3	17:H:845:BCR:H391	2.52	0.45
7:I:20:TRP:O	7:I:23:PRO:HG2	2.17	0.45
8:J:1:MET:HB3	8:J:4:PHE:HB3	1.97	0.45
4:O:36:GLU:HG2	4:O:50:ARG:HA	1.97	0.45
6:Q:70:PHE:CD1	17:Q:202:BCR:H343	2.51	0.45
17:R:102:BCR:H403	17:R:102:BCR:H23C	1.98	0.45
8:S:31:ARG:HE	17:S:1104:BCR:H312	1.82	0.45
2:Z:443:ASN:HB3	2:Z:455:GLN:NE2	2.29	0.45
14:Z:830:CLA:HAC1	6:d:63:PHE:CZ	2.51	0.45
17:Z:846:BCR:H371	17:Z:846:BCR:H24C	1.73	0.45
3:a:6:ILE:O	4:b:114:SER:HA	2.16	0.45
3:a:30:TRP:CG	3:a:38:ILE:HB	2.51	0.45
10:h:52:MET:HB3	14:h:205:CLA:HMA1	1.99	0.45
1:A:309:ILE:HD13	14:A:820:CLA:HMC2	1.98	0.45
1:A:548:VAL:HG11	1:A:601:TRP:CH2	2.51	0.45
14:A:802:CLA:H41	2:B:654:TRP:NE1	2.31	0.45
14:A:841:CLA:H62	14:A:841:CLA:H41	1.78	0.45
5:E:44:ASN:OD1	5:E:54:GLY:O	2.33	0.45
1:G:336:PHE:CZ	10:h:4:LEU:HD13	2.52	0.45
1:G:349:THR:O	14:G:825:CLA:H203	2.17	0.45
1:G:744:TRP:CE2	17:G:850:BCR:H313	2.51	0.45
14:G:825:CLA:HBA1	14:G:829:CLA:H201	1.97	0.45
14:G:838:CLA:C2	14:G:838:CLA:O1A	2.65	0.45
17:G:847:BCR:HC8	17:G:847:BCR:H311	1.99	0.45
2:H:140:PHE:CG	14:H:813:CLA:H12	2.51	0.45
2:H:667:PHE:HB2	14:H:803:CLA:HMC2	1.98	0.45
4:O:117:ARG:HD2	4:O:122:ASN:ND2	2.32	0.45
14:U:1006:CLA:CHC	14:Z:808:CLA:HMB2	2.46	0.45
17:U:1007:BCR:C38	14:Y:834:CLA:H193	2.47	0.45
1:Y:185:PRO:O	1:Y:190:PHE:HE2	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:200:HIS:O	1:Y:204:LEU:HB3	2.17	0.45
2:Z:135:TYR:OH	11:i:7:GLN:O	2.21	0.45
5:c:26:VAL:HG22	5:c:36:VAL:HG12	1.98	0.45
17:e:101:BCR:H351	17:e:101:BCR:H15C	1.67	0.45
17:f:104:BCR:H371	17:f:104:BCR:H24C	1.73	0.45
14:A:802:CLA:CAD	14:B:803:CLA:CMB	2.94	0.45
17:A:847:BCR:H351	17:A:847:BCR:H15C	1.81	0.45
2:B:301:LYS:NZ	2:B:327:GLU:OE2	2.47	0.45
2:B:459:GLU:OE1	2:B:464:GLN:NE2	2.40	0.45
3:C:37:GLN:OE1	4:D:105:VAL:HG22	2.17	0.45
6:F:103:VAL:N	6:F:104:PRO:CD	2.80	0.45
1:G:77:PHE:HB3	1:G:172:MET:O	2.15	0.45
14:G:808:CLA:CAD	14:G:828:CLA:HBA1	2.47	0.45
14:G:829:CLA:H111	17:G:847:BCR:H383	1.98	0.45
2:H:185:SER:OG	17:H:841:BCR:H351	2.16	0.45
1:Y:221:LEU:HD23	1:Y:221:LEU:HA	1.81	0.45
1:Y:601:TRP:CH2	14:Y:802:CLA:HAB	2.50	0.45
14:Y:826:CLA:HBA2	14:Y:826:CLA:H3A	1.77	0.45
2:Z:181:LEU:HG	14:Z:811:CLA:H42	1.98	0.45
2:Z:254:LEU:O	2:Z:255:THR:HB	2.16	0.45
17:f:103:BCR:H351	17:f:103:BCR:H15C	1.73	0.45
14:A:812:CLA:CGA	14:A:812:CLA:C1A	2.94	0.45
14:A:821:CLA:CMD	14:A:822:CLA:HAB	2.47	0.45
14:A:822:CLA:HAA1	9:K:35:GLN:HG2	1.98	0.45
14:A:828:CLA:C9	17:J:103:BCR:H361	2.47	0.45
2:B:637:LEU:HD13	2:B:733:ALA:HB3	1.99	0.45
14:B:807:CLA:H143	14:B:828:CLA:HBB2	1.99	0.45
1:G:565:LEU:HD11	1:G:583:ARG:HB3	1.97	0.45
1:G:576:PHE:CE2	1:G:589:VAL:HG23	2.52	0.45
14:G:807:CLA:HAB	17:G:854:BCR:H392	1.98	0.45
14:G:828:CLA:H122	14:H:801:CLA:H161	1.97	0.45
2:H:323:GLN:CD	2:H:323:GLN:H	2.25	0.45
14:H:802:CLA:H91	14:H:802:CLA:H111	1.86	0.45
14:H:819:CLA:H3A	14:H:819:CLA:HBA2	1.71	0.45
10:L:76:LEU:HD11	10:h:141:ASN:CG	2.41	0.45
4:O:50:ARG:N	4:O:54:ASN:HD21	2.14	0.45
1:Y:90:MET:HE1	14:Y:808:CLA:HED2	1.98	0.45
1:Y:217:ILE:HD13	1:Y:278:PHE:CE2	2.51	0.45
14:Y:806:CLA:HMA2	14:Y:830:CLA:CAB	2.46	0.45
2:Z:7:PHE:CD1	2:Z:33:HIS:CD2	3.05	0.45
2:Z:58:LEU:CD1	17:i:101:BCR:H341	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:614:GLN:O	2:Z:618:SER:HB2	2.17	0.45
14:Z:822:CLA:HED2	14:Z:822:CLA:H2A	1.99	0.45
14:Z:825:CLA:CGA	14:Z:825:CLA:C3A	2.93	0.45
14:Z:834:CLA:HBC2	14:Z:834:CLA:HHD	1.99	0.45
3:a:46:ASP:CG	4:b:61:LYS:HD2	2.41	0.45
1:A:726:GLN:O	1:A:730:VAL:HG23	2.16	0.45
14:B:802:CLA:H121	14:F:202:CLA:HAC1	1.97	0.45
5:E:62:LEU:HD23	5:E:62:LEU:HA	1.83	0.45
1:G:78:GLY:HA3	14:G:811:CLA:HBC1	1.98	0.45
1:G:617:MET:O	1:G:622:TRP:N	2.45	0.45
17:G:847:BCR:H383	17:G:847:BCR:H23C	1.99	0.45
2:H:663:TRP:CZ3	14:H:802:CLA:HMA3	2.52	0.45
8:J:28:GLU:CD	8:J:31:ARG:HH21	2.25	0.45
6:Q:103:VAL:HG22	8:S:14:LEU:HD11	1.98	0.45
1:Y:219:VAL:O	1:Y:222:PRO:HD2	2.17	0.45
1:Y:464:THR:HG22	2:Z:654:TRP:HE1	1.81	0.45
1:Y:550:VAL:HG13	17:Y:850:BCR:H313	1.98	0.45
2:Z:42:TYR:CE2	2:Z:333:LEU:HD21	2.51	0.45
2:Z:564:PRO:HB3	2:Z:708:ILE:HB	1.97	0.45
2:Z:710:GLN:HA	19:Z:847:LMG:O9	2.17	0.45
14:Z:832:CLA:C1D	14:Z:833:CLA:CAB	2.94	0.45
6:d:54:ASP:HB3	6:d:56:ARG:HB2	1.98	0.45
10:h:36:ALA:HB2	14:h:206:CLA:HMD1	1.99	0.45
1:A:103:TRP:CG	1:A:144:PHE:CD2	3.05	0.45
1:A:392:SER:O	1:A:396:HIS:HB2	2.16	0.45
1:A:681:PHE:O	1:A:685:PHE:N	2.44	0.45
2:B:56:ILE:HG12	14:B:807:CLA:HMC2	1.99	0.45
2:B:664:ALA:O	2:B:667:PHE:HB2	2.17	0.45
1:G:356:LEU:O	1:G:360:LEU:CB	2.63	0.45
14:G:808:CLA:H12	17:G:854:BCR:H371	1.98	0.45
17:G:850:BCR:C32	17:G:850:BCR:HC8	2.46	0.45
2:H:596:VAL:HG22	14:H:834:CLA:HAB	1.99	0.45
14:H:801:CLA:H41	14:H:801:CLA:C7	2.47	0.45
14:H:824:CLA:H111	17:H:844:BCR:H312	1.99	0.45
14:H:827:CLA:H142	17:H:842:BCR:H372	1.99	0.45
10:L:53:ALA:O	10:L:57:PHE:HE2	2.00	0.45
10:U:87:LEU:HD23	10:U:87:LEU:HA	1.78	0.45
14:Y:819:CLA:H193	14:Y:819:CLA:H102	1.97	0.45
14:Y:821:CLA:H72	17:Y:850:BCR:H14C	1.98	0.45
17:Y:849:BCR:H15C	17:Y:849:BCR:H351	1.74	0.45
2:Z:228:ASN:O	2:Z:231:VAL:HG22	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:303:MET:HE1	14:Z:820:CLA:HMD1	1.98	0.45
8:f:28:GLU:HA	8:f:28:GLU:OE1	2.17	0.45
1:A:205:LEU:HD22	14:A:819:CLA:HMC2	1.97	0.45
1:A:387:TYR:N	1:A:388:PRO:HD2	2.32	0.45
1:A:535:ASP:O	1:A:539:HIS:ND1	2.50	0.45
2:B:665:THR:HA	14:B:804:CLA:HAB	1.99	0.45
17:B:851:BCR:H391	8:J:33:TYR:HD1	1.82	0.45
1:G:340:GLY:O	1:G:429:VAL:HG23	2.17	0.45
14:G:818:CLA:O1D	14:G:819:CLA:HMB3	2.17	0.45
14:G:834:CLA:HMD1	14:G:835:CLA:HAB	1.98	0.45
17:G:850:BCR:H382	14:H:830:CLA:HBB2	1.99	0.45
2:H:360:PRO:CG	14:H:817:CLA:HBA1	2.41	0.45
2:H:387:VAL:HG13	2:H:540:LEU:HD21	1.99	0.45
2:H:622:LEU:HD13	14:H:801:CLA:HMA3	1.99	0.45
2:H:651:VAL:HG11	14:H:807:CLA:HAC1	1.98	0.45
14:H:828:CLA:C4	14:V:1201:CLA:HBC3	2.47	0.45
10:L:26:LEU:O	10:L:29:THR:HG22	2.17	0.45
10:L:110:PRO:O	10:L:113:THR:OG1	2.26	0.45
3:N:60:ASP:OD2	5:P:14:SER:OG	2.27	0.45
6:Q:60:ALA:O	6:Q:65:ILE:HG12	2.17	0.45
14:U:1006:CLA:H52	7:e:20:TRP:CZ3	2.52	0.45
1:Y:336:PHE:HD2	18:Y:853:LHG:HC42	1.82	0.45
1:Y:461:HIS:CE1	1:Y:465:MET:HE1	2.51	0.45
1:Y:641:GLN:HA	1:Y:644:ILE:HD13	1.99	0.45
2:Z:56:ILE:O	2:Z:59:TRP:HB3	2.16	0.45
2:Z:92:ASP:O	2:Z:94:GLN:N	2.50	0.45
2:Z:492:TRP:O	2:Z:495:TYR:CE1	2.70	0.45
2:Z:497:ASN:O	2:Z:499:TRP:CE3	2.69	0.45
17:Z:842:BCR:H351	17:Z:842:BCR:H15C	1.80	0.45
4:b:67:LEU:HD12	4:b:71:GLN:HG3	1.99	0.45
10:h:58:LEU:O	10:h:61:PRO:HD2	2.17	0.45
1:A:353:HIS:CE1	1:A:414:ILE:HG21	2.52	0.45
1:A:371:ALA:HB2	1:A:397:HIS:CB	2.43	0.45
1:A:484:PRO:HG2	1:A:488:GLN:HG3	1.99	0.45
1:A:682:ILE:HD12	17:A:849:BCR:H353	1.98	0.45
2:B:291:ARG:HA	2:B:297:GLY:HA3	1.98	0.45
2:B:589:MET:O	2:B:593:ILE:HG12	2.17	0.45
14:B:805:CLA:HBC1	19:B:849:LMG:H181	1.98	0.45
14:B:815:CLA:HMB3	14:B:815:CLA:HBB1	1.98	0.45
6:F:96:GLU:O	6:F:100:ILE:HG12	2.17	0.45
1:G:59:ASP:CB	1:G:418:ARG:HH12	2.29	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:90:MET:CE	14:G:808:CLA:HED2	2.47	0.45
1:G:629:GLY:O	1:G:630:THR:C	2.60	0.45
14:G:805:CLA:H41	17:G:847:BCR:H292	1.98	0.45
14:G:821:CLA:H191	17:G:848:BCR:HC21	1.98	0.45
14:G:839:CLA:H71	14:Q:201:CLA:H42	1.98	0.45
2:H:615:PHE:O	2:H:619:SER:N	2.43	0.45
14:H:834:CLA:O1A	14:H:835:CLA:HBD	2.17	0.45
4:O:43:THR:HG23	4:O:58:PHE:HE1	1.82	0.45
14:U:1003:CLA:HMA1	14:U:1004:CLA:HBC1	1.98	0.45
1:Y:385:THR:OG1	1:Y:520:VAL:HG13	2.16	0.45
14:Y:841:CLA:H62	14:Y:841:CLA:H41	1.73	0.45
2:Z:184:VAL:HG23	14:Z:818:CLA:HAC1	1.99	0.45
2:Z:339:TRP:CZ3	14:Z:821:CLA:HBC2	2.51	0.45
2:Z:550:SER:O	2:Z:553:MET:N	2.50	0.45
2:Z:713:LEU:HD22	19:Z:847:LMG:O10	2.17	0.45
17:f:103:BCR:H383	17:f:103:BCR:H23C	1.98	0.45
1:A:114:ALA:O	1:A:115:GLN:C	2.61	0.44
14:A:809:CLA:HMB3	17:J:103:BCR:C10	2.47	0.44
14:A:817:CLA:OBD	14:A:835:CLA:HED2	2.17	0.44
14:B:801:CLA:H91	14:B:801:CLA:H111	1.71	0.44
6:F:17:ARG:NH2	6:F:46:ASP:O	2.42	0.44
6:F:132:LYS:HD2	6:F:135:GLU:OE1	2.16	0.44
1:G:282:ASN:O	1:G:506:ALA:HB3	2.17	0.44
17:G:854:BCR:H321	17:G:854:BCR:HC7	1.80	0.44
2:H:662:VAL:HG11	2:H:721:VAL:CG2	2.48	0.44
8:J:40:PRO:O	8:J:41:LEU:HB2	2.17	0.44
10:U:103:LYS:NZ	7:e:37:GLU:HB3	2.31	0.44
1:Y:392:SER:O	1:Y:396:HIS:HB3	2.17	0.44
14:Y:855:CLA:HMB1	2:Z:665:THR:HG22	1.98	0.44
2:Z:195:HIS:O	2:Z:199:PRO:HG2	2.16	0.44
2:Z:699:TRP:HA	14:Z:838:CLA:O1D	2.17	0.44
14:h:205:CLA:HBA2	14:h:205:CLA:H3A	1.88	0.44
11:i:18:PRO:O	11:i:22:ALA:N	2.39	0.44
1:A:467:ALA:HB2	2:B:641:TYR:CD1	2.52	0.44
1:A:722:LEU:N	15:A:843:PQN:O4	2.42	0.44
14:A:828:CLA:H93	17:J:103:BCR:H361	1.99	0.44
2:B:170:ALA:O	2:B:174:LEU:HD12	2.17	0.44
2:B:625:TRP:O	2:B:629:TYR:HB3	2.16	0.44
14:B:802:CLA:C2B	14:B:832:CLA:H41	2.47	0.44
14:B:827:CLA:O1D	14:B:828:CLA:CMA	2.66	0.44
3:C:50:CYS:HB2	3:C:52:ARG:HG3	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D:52:GLY:O	4:D:54:ASN:ND2	2.50	0.44
1:G:80:LEU:CD1	14:G:813:CLA:HED3	2.48	0.44
1:G:121:VAL:HG12	14:H:830:CLA:HMD2	1.99	0.44
1:G:447:VAL:HG12	1:G:451:LEU:HG	1.99	0.44
14:G:803:CLA:H143	14:H:809:CLA:HBC3	1.98	0.44
14:G:821:CLA:H52	14:G:824:CLA:H92	1.98	0.44
2:H:461:VAL:HA	2:H:464:GLN:HB2	1.99	0.44
2:H:480:LEU:HD12	2:H:488:ALA:CB	2.47	0.44
2:H:486:SER:O	2:H:489:SER:OG	2.35	0.44
2:H:652:TRP:O	2:H:729:ALA:HB1	2.16	0.44
17:M:101:BCR:H351	17:M:101:BCR:H15C	1.76	0.44
6:Q:84:TYR:CD1	6:Q:105:LEU:CD2	3.00	0.44
14:Q:201:CLA:HBB1	17:Q:202:BCR:H323	1.98	0.44
1:Y:461:HIS:HE1	14:Y:834:CLA:C1A	2.30	0.44
14:Y:821:CLA:H161	17:Y:849:BCR:HC8	1.98	0.44
15:Y:844:PQN:H141	14:d:201:CLA:HBB2	2.00	0.44
6:d:116:TRP:N	6:d:117:PRO:CD	2.80	0.44
7:e:10:LEU:N	7:e:11:PRO:CD	2.80	0.44
1:A:451:LEU:HD11	14:A:837:CLA:HMB2	2.00	0.44
14:A:805:CLA:H2A	14:A:805:CLA:O1D	2.16	0.44
14:A:806:CLA:HBC2	14:A:828:CLA:CMD	2.47	0.44
2:B:372:ALA:C	2:B:731:LEU:HD21	2.42	0.44
2:B:493:PRO:HB2	14:B:836:CLA:O1D	2.18	0.44
2:B:596:VAL:CG2	14:B:837:CLA:HBB2	2.48	0.44
2:B:685:VAL:HG13	2:B:699:TRP:CH2	2.52	0.44
14:B:813:CLA:H62	14:B:813:CLA:H41	1.58	0.44
5:E:17:TYR:O	6:F:137:THR:HA	2.17	0.44
1:G:310:ILE:O	14:G:822:CLA:HAC1	2.17	0.44
1:G:604:ASN:OD1	13:G:801:CL0:H37	2.17	0.44
2:H:386:MET:HE1	17:H:844:BCR:H361	1.99	0.44
2:H:691:THR:O	2:H:695:ASN:OD1	2.35	0.44
9:K:24:LEU:HD22	9:K:73:VAL:CG1	2.48	0.44
11:M:18:PRO:C	17:M:101:BCR:H352	2.43	0.44
5:P:10:LEU:HB2	5:P:64:GLU:O	2.17	0.44
7:R:27:MET:HG2	17:R:102:BCR:C10	2.48	0.44
10:U:14:VAL:HA	4:b:17:LEU:HB2	1.99	0.44
10:U:134:VAL:HB	17:U:1008:BCR:H403	1.98	0.44
12:W:13:THR:HA	12:W:16:ALA:HB3	1.99	0.44
12:X:25:LEU:O	12:X:29:TYR:HD1	2.00	0.44
1:Y:15:VAL:HG11	1:Y:186:LYS:HD2	1.98	0.44
1:Y:306:VAL:HG22	17:Y:846:BCR:C35	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Y:805:CLA:H72	17:Y:848:BCR:H402	1.99	0.44
2:Z:172:SER:O	2:Z:176:HIS:ND1	2.44	0.44
2:Z:223:PRO:HA	2:Z:226:THR:OG1	2.16	0.44
2:Z:355:MET:HE1	14:Z:826:CLA:O1D	2.18	0.44
10:h:19:THR:HG21	14:h:201:CLA:OBD	2.16	0.44
1:A:376:ALA:C	1:A:378:PRO:HD3	2.42	0.44
1:A:522:GLY:O	1:A:625:VAL:CG2	2.66	0.44
2:B:239:ALA:CA	2:B:262:PRO:HG2	2.47	0.44
2:B:443:ASN:ND2	2:B:455:GLN:OE1	2.51	0.44
1:G:86:TRP:CD1	14:G:806:CLA:HBC1	2.53	0.44
1:G:210:LEU:HD23	14:G:815:CLA:HAB	1.99	0.44
1:G:374:MET:HE2	1:G:374:MET:HB3	1.88	0.44
14:G:821:CLA:C1D	14:G:827:CLA:H142	2.48	0.44
14:G:829:CLA:H111	17:G:847:BCR:C38	2.48	0.44
2:H:92:ASP:H	7:R:1:MET:HE1	1.82	0.44
2:H:700:LYS:NZ	7:R:35:GLU:O	2.44	0.44
14:H:810:CLA:HBB1	14:H:810:CLA:HHC	1.99	0.44
7:I:22:MET:N	7:I:23:PRO:HD2	2.32	0.44
10:L:76:LEU:CD2	10:h:144:VAL:HG11	2.48	0.44
3:N:42:PRO:HG2	3:N:43:ARG:HG3	1.98	0.44
1:Y:207:LEU:HD11	14:Y:820:CLA:HBC1	1.99	0.44
14:Y:811:CLA:H41	8:f:7:TYR:CZ	2.52	0.44
2:Z:298:HIS:CE1	14:Z:820:CLA:OBD	2.70	0.44
2:Z:388:GLY:HA2	14:Z:827:CLA:C3C	2.48	0.44
14:Z:832:CLA:HMB1	14:Z:832:CLA:HBB1	1.99	0.44
1:A:64:ASP:O	1:A:68:ILE:HG13	2.16	0.44
1:A:120:ILE:O	1:A:122:GLY:N	2.49	0.44
14:A:812:CLA:O1D	14:A:813:CLA:HMC1	2.18	0.44
14:A:814:CLA:HBD	14:A:814:CLA:HBA1	2.00	0.44
14:A:828:CLA:H8	17:A:849:BCR:H343	1.99	0.44
2:B:128:MET:HE2	14:B:814:CLA:HMA1	1.97	0.44
2:B:437:LEU:O	2:B:441:VAL:HG23	2.17	0.44
2:B:440:TYR:OH	2:B:525:VAL:HG22	2.18	0.44
2:B:481:LEU:HD22	2:B:500:LEU:HD11	1.99	0.44
2:B:727:TYR:HB2	14:B:803:CLA:HED3	1.99	0.44
14:B:832:CLA:HBA2	14:B:832:CLA:H3A	1.73	0.44
14:B:833:CLA:C4	17:B:851:BCR:H373	2.46	0.44
17:B:845:BCR:H15C	17:B:845:BCR:H351	1.68	0.44
2:H:207:GLY:HA2	14:H:813:CLA:OBD	2.17	0.44
2:H:327:GLU:OE1	2:H:327:GLU:N	2.50	0.44
2:H:660:HIS:CE1	2:H:726:THR:HG23	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:810:CLA:HBA2	14:H:810:CLA:H3A	1.57	0.44
14:H:818:CLA:H3A	14:H:818:CLA:HBA2	1.71	0.44
14:H:828:CLA:HMB3	14:H:828:CLA:HBB1	2.00	0.44
12:W:17:VAL:O	12:W:21:ALA:N	2.36	0.44
1:Y:321:ILE:CD1	14:Y:820:CLA:HED2	2.48	0.44
1:Y:448:CYS:O	1:Y:544:PHE:HE1	2.01	0.44
1:Y:697:TRP:CZ3	14:Z:801:CLA:O1D	2.69	0.44
14:Y:843:CLA:H3A	14:Y:843:CLA:HBA2	1.67	0.44
9:g:25:PHE:O	9:g:28:ALA:HB3	2.18	0.44
1:A:45:THR:OG1	14:A:839:CLA:C2B	2.66	0.44
1:A:548:VAL:HG11	1:A:601:TRP:CZ2	2.53	0.44
14:A:827:CLA:HED1	14:A:834:CLA:CAB	2.48	0.44
15:A:843:PQN:H141	15:A:843:PQN:C17	2.47	0.44
2:B:303:MET:HE2	2:B:303:MET:HB3	1.88	0.44
2:B:348:THR:HG21	2:B:381:ILE:HG22	1.99	0.44
14:B:837:CLA:HMB2	14:B:839:CLA:HED1	2.00	0.44
3:C:24:VAL:HG21	3:C:47:CYS:HA	2.00	0.44
1:G:149:ALA:O	1:G:220:SER:OG	2.27	0.44
1:G:692:SER:OG	14:G:802:CLA:HBC3	2.18	0.44
1:G:695:GLY:HA3	2:H:576:ILE:HB	1.98	0.44
14:G:805:CLA:H172	17:G:846:BCR:H321	1.98	0.44
14:G:829:CLA:H41	14:G:829:CLA:H61	1.80	0.44
14:G:853:CLA:HAC1	14:H:836:CLA:HBC3	2.00	0.44
2:H:217:HIS:HB2	2:H:253:ILE:HD13	2.00	0.44
2:H:443:ASN:O	2:H:447:VAL:HG23	2.17	0.44
6:Q:85:LEU:HD21	6:Q:89:ARG:NH2	2.33	0.44
17:Y:849:BCR:H24C	17:Y:849:BCR:H371	1.86	0.44
2:Z:62:GLY:HA3	14:Z:806:CLA:CAB	2.47	0.44
2:Z:337:LEU:HD23	2:Z:392:HIS:CE1	2.53	0.44
14:Z:804:CLA:HMA2	14:Z:804:CLA:O1A	2.17	0.44
14:Z:829:CLA:HBC2	14:Z:829:CLA:HHD	2.00	0.44
9:g:29:LEU:C	9:g:31:ARG:H	2.26	0.44
17:i:101:BCR:H24C	17:i:101:BCR:H371	1.84	0.44
1:A:52:HIS:HA	1:A:55:ALA:HB2	1.99	0.44
1:A:284:GLY:O	1:A:292:LEU:HD23	2.16	0.44
14:A:826:CLA:HAA2	14:A:827:CLA:OBD	2.18	0.44
2:B:303:MET:HA	14:B:822:CLA:O1D	2.18	0.44
17:B:843:BCR:H351	17:B:843:BCR:H15C	1.66	0.44
5:E:12:PRO:HA	5:E:17:TYR:CD1	2.53	0.44
6:F:52:VAL:HG12	6:F:54:ASP:HB2	2.00	0.44
1:G:647:ASN:O	1:G:650:LEU:HB3	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:802:CLA:C1	2:H:430:LEU:HD12	2.38	0.44
14:G:832:CLA:CBB	14:G:833:CLA:O1A	2.66	0.44
2:H:622:LEU:HD13	14:H:801:CLA:CMA	2.48	0.44
2:H:674:ARG:HA	15:H:839:PQN:C7	2.47	0.44
2:H:706:LEU:HD22	2:H:710:GLN:NE2	2.32	0.44
9:T:20:ILE:HD13	9:T:74:VAL:HG21	1.99	0.44
1:Y:42:PRO:HB2	1:Y:717:ILE:HD13	1.99	0.44
14:Y:840:CLA:H2A	14:Y:840:CLA:O2D	2.18	0.44
2:Z:377:HIS:HB2	14:Z:825:CLA:CHB	2.47	0.44
2:Z:484:PRO:HA	2:Z:489:SER:OG	2.17	0.44
2:Z:591:ASN:HA	2:Z:723:TYR:OH	2.18	0.44
2:Z:650:SER:CB	14:Z:808:CLA:HBC1	2.45	0.44
17:Z:844:BCR:H403	17:Z:844:BCR:C23	2.37	0.44
3:a:9:THR:O	3:a:11:ILE:HG23	2.18	0.44
8:f:13:VAL:HA	17:f:104:BCR:H401	2.00	0.44
1:A:86:TRP:CD1	14:A:806:CLA:HBC1	2.53	0.44
2:B:63:SER:O	2:B:67:VAL:HG23	2.17	0.44
2:B:86:ILE:HD11	2:B:108:ALA:HB2	2.00	0.44
2:B:304:MET:CG	2:B:325:ILE:HG22	2.48	0.44
2:B:333:LEU:HD13	14:B:806:CLA:HAC1	2.00	0.44
2:B:390:PHE:HB2	2:B:540:LEU:HD22	2.00	0.44
4:D:9:LEU:HB2	4:D:48:VAL:CG2	2.47	0.44
6:F:72:TYR:OH	6:F:114:PHE:O	2.24	0.44
1:G:196:MET:HE2	14:G:813:CLA:HBC2	1.99	0.44
1:G:226:LEU:HD22	1:G:231:VAL:HG21	1.99	0.44
1:G:423:ALA:HB2	4:O:38:VAL:HG11	1.99	0.44
1:G:538:VAL:HG22	1:G:542:HIS:CE1	2.53	0.44
2:H:222:ALA:O	2:H:226:THR:HG23	2.17	0.44
14:H:801:CLA:H41	14:H:801:CLA:H72	2.00	0.44
14:H:817:CLA:H3A	14:H:817:CLA:HBA2	1.53	0.44
7:I:33:TYR:OH	11:M:30:TYR:CZ	2.71	0.44
8:J:23:ALA:O	8:J:27:ILE:HD12	2.17	0.44
1:Y:429:VAL:HB	14:Y:824:CLA:HMC2	1.99	0.44
1:Y:588:GLN:HA	1:Y:593:ASP:CG	2.42	0.44
1:Y:740:ILE:HG22	17:Y:851:BCR:HC31	2.00	0.44
2:Z:199:PRO:O	2:Z:204:GLN:HB2	2.18	0.44
2:Z:239:ALA:CB	2:Z:262:PRO:HG2	2.47	0.44
2:Z:347:ILE:HA	2:Z:350:LEU:HB3	1.99	0.44
2:Z:537:THR:O	2:Z:541:VAL:HG23	2.18	0.44
1:A:82:VAL:HG11	14:A:806:CLA:HMD2	1.99	0.44
1:A:106:ASP:O	1:A:108:THR:N	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:172:MET:HE1	14:A:813:CLA:H61	2.00	0.44
1:A:369:ILE:HA	14:A:826:CLA:HED2	2.00	0.44
14:A:804:CLA:HAB	14:A:806:CLA:CAD	2.48	0.44
14:A:852:CLA:HED1	14:B:803:CLA:H92	1.99	0.44
2:B:256:PHE:HZ	14:B:817:CLA:H72	1.83	0.44
2:B:503:TRP:CE2	14:B:834:CLA:HED1	2.52	0.44
2:B:533:LEU:HD12	14:B:839:CLA:HED3	2.00	0.44
2:B:577:SER:HB3	2:B:580:ASP:OD2	2.18	0.44
2:B:655:MET:HG3	2:B:725:LEU:HD22	2.00	0.44
14:B:826:CLA:H111	14:B:826:CLA:H72	1.86	0.44
14:B:828:CLA:H12	17:B:844:BCR:H393	1.99	0.44
4:D:71:GLN:O	4:D:74:PRO:HG2	2.18	0.44
4:D:132:GLY:O	4:D:134:LYS:HD2	2.18	0.44
1:G:391:LEU:HD11	1:G:614:SER:OG	2.18	0.44
1:G:714:ALA:O	6:Q:89:ARG:NH2	2.50	0.44
2:H:121:HIS:CD2	2:H:364:ILE:HA	2.53	0.44
2:H:564:PRO:HA	2:H:709:VAL:HG13	2.00	0.44
1:Y:297:THR:O	1:Y:301:HIS:HD2	1.97	0.44
2:Z:198:ILE:CG1	2:Z:199:PRO:HD3	2.40	0.44
2:Z:222:ALA:HB3	2:Z:223:PRO:HD3	1.99	0.44
2:Z:547:ALA:O	2:Z:556:LYS:HB3	2.17	0.44
2:Z:638:ILE:HD12	2:Z:638:ILE:HA	1.86	0.44
1:A:167:VAL:O	1:A:171:LEU:HD12	2.18	0.43
14:A:840:CLA:H172	8:J:19:MET:SD	2.58	0.43
2:B:254:LEU:HD11	14:B:815:CLA:CAC	2.48	0.43
2:B:275:HIS:NE2	14:B:818:CLA:C1B	2.80	0.43
2:B:427:TRP:HB2	14:B:802:CLA:HED2	1.99	0.43
14:B:804:CLA:H111	17:B:848:BCR:H362	1.99	0.43
14:B:838:CLA:HMC2	14:B:838:CLA:H121	1.99	0.43
4:D:41:MET:HE1	4:D:56:VAL:HG21	2.00	0.43
1:G:120:ILE:HD12	17:S:1104:BCR:H313	1.99	0.43
1:G:466:ARG:O	2:H:646:THR:HG22	2.18	0.43
1:G:617:MET:HB3	1:G:622:TRP:CD2	2.53	0.43
2:H:173:ARG:CZ	14:H:823:CLA:HMD2	2.48	0.43
2:H:319:ASN:O	2:H:320:MET:HE2	2.18	0.43
2:H:437:LEU:O	2:H:438:GLY:C	2.61	0.43
2:H:497:ASN:O	2:H:499:TRP:CD2	2.71	0.43
2:H:580:ASP:HA	2:H:583:TYR:HB3	1.99	0.43
17:I:101:BCR:H331	17:I:101:BCR:C8	2.48	0.43
10:L:39:GLN:OE1	10:L:39:GLN:HA	2.18	0.43
17:R:102:BCR:H351	17:R:102:BCR:H15C	1.58	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:T:40:GLY:O	9:T:41:PRO:C	2.61	0.43
17:U:1007:BCR:H343	17:e:101:BCR:H371	2.00	0.43
1:Y:659:SER:HB2	1:Y:660:GLN:NE2	2.33	0.43
1:Y:736:LEU:O	1:Y:740:ILE:HG13	2.18	0.43
14:Y:806:CLA:H41	18:Y:852:LHG:H272	2.00	0.43
14:Y:811:CLA:C4A	14:Y:811:CLA:HBA2	2.47	0.43
14:Y:821:CLA:H62	14:Y:825:CLA:HMB3	2.00	0.43
2:Z:43:GLN:NE2	2:Z:161:ARG:HB3	2.33	0.43
2:Z:494:ASN:HB3	14:Z:834:CLA:HED3	1.99	0.43
4:b:28:ALA:HB2	4:b:57:TYR:CD1	2.53	0.43
6:d:69:LEU:HB2	14:f:102:CLA:HAB	1.99	0.43
1:A:79:HIS:CE1	14:A:805:CLA:HMA2	2.52	0.43
1:A:323:HIS:HE1	14:A:822:CLA:ND	2.17	0.43
1:A:527:MET:HB2	1:A:528:PRO:HD2	2.00	0.43
1:A:610:ILE:CD1	1:A:743:THR:HG21	2.48	0.43
2:B:291:ARG:NH1	2:B:295:GLY:O	2.51	0.43
4:D:81:LYS:HB3	4:D:93:LEU:CD2	2.47	0.43
1:G:255:LYS:NZ	1:G:273:ALA:O	2.50	0.43
1:G:317:THR:HG21	14:G:820:CLA:OBD	2.18	0.43
1:G:683:TRP:O	1:G:686:SER:OG	2.26	0.43
2:H:319:ASN:HD21	18:H:847:LHG:C2	2.31	0.43
2:H:582:PHE:CZ	2:H:586:MET:HE3	2.53	0.43
17:H:841:BCR:H351	17:H:841:BCR:H15C	1.69	0.43
14:J:102:CLA:H62	14:J:102:CLA:H41	1.75	0.43
4:O:83:TYR:CE2	4:O:93:LEU:HG	2.53	0.43
1:Y:196:MET:HE1	14:Y:825:CLA:H142	1.99	0.43
14:Y:817:CLA:CGA	14:Y:817:CLA:C1A	2.97	0.43
14:Y:821:CLA:HMB2	14:Y:825:CLA:HED2	1.99	0.43
2:Z:261:HIS:HA	2:Z:262:PRO:HD3	1.89	0.43
14:Z:816:CLA:H61	14:Z:816:CLA:H41	1.73	0.43
10:h:8:TYR:CD1	10:h:16:HIS:ND1	2.86	0.43
1:A:354:ALA:HB1	17:A:847:BCR:H313	2.00	0.43
2:B:491:ALA:C	2:B:493:PRO:HD2	2.44	0.43
2:B:730:PHE:CD1	14:B:803:CLA:HMD2	2.53	0.43
3:C:9:THR:HG23	3:C:63:SER:HG	1.81	0.43
1:G:300:HIS:NE2	14:G:819:CLA:C2B	2.81	0.43
1:G:329:LEU:HB3	1:G:341:HIS:O	2.18	0.43
1:G:589:VAL:HG13	2:H:675:GLY:HA3	2.00	0.43
14:G:831:CLA:HBA1	14:G:831:CLA:H3A	1.82	0.43
14:H:823:CLA:H62	14:H:823:CLA:H41	1.76	0.43
10:L:111:LEU:C	10:L:113:THR:H	2.26	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Q:203:CLA:HBC2	8:S:19:MET:HE1	2.00	0.43
10:U:20:PRO:HA	10:U:24:SER:HB2	1.99	0.43
10:U:141:ASN:ND2	10:h:76:LEU:HD21	2.33	0.43
14:U:1004:CLA:HBB2	14:Y:833:CLA:HMC1	1.99	0.43
11:V:4:THR:O	11:V:8:VAL:HG23	2.18	0.43
17:V:1202:BCR:H371	17:V:1202:BCR:H24C	1.86	0.43
1:Y:117:VAL:HG13	1:Y:127:ASN:HD21	1.83	0.43
1:Y:128:GLY:O	1:Y:130:VAL:HG13	2.19	0.43
1:Y:285:LEU:HD11	1:Y:526:MET:HB3	1.99	0.43
1:Y:314:MET:HE1	14:Y:821:CLA:CAD	2.48	0.43
1:Y:446:TRP:HD1	14:Y:842:CLA:O1A	2.01	0.43
1:Y:512:ALA:HB1	1:Y:529:ILE:HG13	1.99	0.43
1:Y:565:LEU:HB2	2:Z:682:GLU:OE2	2.18	0.43
1:Y:744:TRP:CD1	17:Y:851:BCR:H313	2.53	0.43
14:Y:808:CLA:HMC1	14:Y:828:CLA:H141	2.00	0.43
14:Y:833:CLA:HMA1	17:e:101:BCR:H292	2.00	0.43
1:A:410:ALA:HA	1:A:595:VAL:HG21	2.00	0.43
1:A:439:ALA:HB2	2:B:686:TRP:CH2	2.53	0.43
1:A:464:THR:HG21	14:L:201:CLA:HBC3	2.00	0.43
1:A:654:LEU:HD11	13:A:801:CL0:H43	2.00	0.43
1:A:746:PHE:CG	13:A:801:CL0:H26	2.54	0.43
2:B:89:ALA:HA	2:B:112:VAL:HG23	2.00	0.43
2:B:384:PHE:CE1	2:B:586:MET:HE1	2.53	0.43
2:B:664:ALA:HB3	14:B:804:CLA:HBB2	1.99	0.43
14:B:808:CLA:O1A	7:I:14:PHE:HB3	2.18	0.43
14:B:819:CLA:CMD	14:B:821:CLA:HAB	2.47	0.43
17:B:848:BCR:H351	17:B:848:BCR:H15C	1.55	0.43
1:G:50:ASN:HA	1:G:53:ALA:HB3	2.00	0.43
1:G:323:HIS:CE1	14:G:823:CLA:OBD	2.70	0.43
1:G:399:TRP:NE1	14:G:828:CLA:HAB	2.29	0.43
1:G:511:VAL:HG23	1:G:526:MET:HG3	1.99	0.43
14:G:804:CLA:HAA1	14:G:811:CLA:H2	1.99	0.43
14:H:809:CLA:H11	10:U:148:ILE:HD13	2.00	0.43
17:H:840:BCR:C8	17:H:840:BCR:H331	2.48	0.43
4:O:39:PHE:CD1	4:O:49:MET:HB3	2.54	0.43
4:O:82:ILE:HG22	4:O:94:ILE:HD11	2.01	0.43
10:U:69:ARG:NH2	1:Y:473:ASP:HA	2.34	0.43
1:Y:379:PRO:HG3	14:Y:819:CLA:CBA	2.48	0.43
1:Y:379:PRO:HG3	14:Y:819:CLA:HBA1	2.01	0.43
1:Y:395:THR:OG1	14:Y:828:CLA:HMB1	2.18	0.43
1:Y:487:ALA:HB2	14:Y:838:CLA:O1D	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Y:819:CLA:H193	14:Y:819:CLA:C10	2.48	0.43
17:Y:848:BCR:H371	17:Y:848:BCR:H24C	1.79	0.43
2:Z:151:ALA:HB2	14:Z:809:CLA:HBC2	1.99	0.43
2:Z:179:ALA:HB2	2:Z:287:GLY:HA3	2.00	0.43
2:Z:467:GLN:OE1	2:Z:475:TYR:OH	2.16	0.43
14:Z:805:CLA:H92	14:Z:805:CLA:H62	1.79	0.43
14:Z:823:CLA:H122	14:Z:835:CLA:H121	2.00	0.43
6:d:66:PRO:HG3	17:f:105:BCR:H362	2.00	0.43
6:d:103:VAL:N	6:d:104:PRO:CD	2.81	0.43
7:e:9:PHE:O	7:e:12:TRP:HB3	2.18	0.43
1:A:409:ALA:HB1	1:A:553:LEU:HB3	1.98	0.43
1:A:435:ARG:HA	4:D:13:SER:HB2	2.01	0.43
2:B:53:LEU:HD12	2:B:53:LEU:HA	1.86	0.43
2:B:98:ALA:O	2:B:102:ALA:N	2.51	0.43
2:B:332:SER:O	2:B:336:GLN:HG3	2.18	0.43
2:B:688:HIS:HE1	2:B:697:VAL:O	2.01	0.43
17:B:844:BCR:H23C	17:B:844:BCR:C38	2.44	0.43
1:G:219:VAL:O	1:G:223:ILE:HG13	2.18	0.43
1:G:650:LEU:HD22	2:H:657:LEU:CD2	2.48	0.43
2:H:525:VAL:HG11	2:H:599:TYR:CG	2.54	0.43
6:Q:132:LYS:O	6:Q:135:GLU:N	2.45	0.43
1:Y:127:ASN:HB3	1:Y:135:HIS:HB3	2.00	0.43
14:Y:802:CLA:CAD	14:Z:802:CLA:HMB1	2.49	0.43
14:Y:833:CLA:C4	14:Y:842:CLA:HBC2	2.48	0.43
2:Z:539:ILE:HD13	14:Z:801:CLA:HMD2	1.99	0.43
10:h:49:GLU:OE1	14:h:205:CLA:HED2	2.18	0.43
17:A:848:BCR:H371	17:A:848:BCR:H24C	1.78	0.43
2:B:242:VAL:HG13	2:B:263:GLN:HE22	1.83	0.43
2:B:626:LEU:O	2:B:630:LEU:HB2	2.18	0.43
4:D:27:TYR:O	4:D:58:PHE:N	2.45	0.43
1:G:356:LEU:HD11	1:G:360:LEU:HD13	2.01	0.43
1:G:451:LEU:HB3	1:G:544:PHE:HB2	2.00	0.43
1:G:681:PHE:HA	14:H:801:CLA:HAA1	2.01	0.43
17:G:846:BCR:C8	17:G:846:BCR:H311	2.49	0.43
2:H:526:HIS:NE2	2:H:599:TYR:OH	2.47	0.43
17:H:848:BCR:H271	8:S:40:PRO:HG2	2.00	0.43
10:U:11:ASP:OD2	10:U:14:VAL:HG13	2.19	0.43
1:Y:444:LEU:HB3	1:Y:551:LEU:HD12	2.00	0.43
14:Y:811:CLA:HBA1	14:Y:811:CLA:H3A	1.84	0.43
17:Y:850:BCR:C8	17:Y:850:BCR:H331	2.49	0.43
14:Z:806:CLA:H203	17:i:101:BCR:H311	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:836:CLA:HBD	14:Z:836:CLA:HAA1	1.99	0.43
7:e:22:MET:N	7:e:23:PRO:HD2	2.33	0.43
9:g:56:LEU:O	9:g:60:LEU:N	2.48	0.43
1:A:164:GLY:HA3	14:A:814:CLA:H43	2.00	0.43
1:A:601:TRP:CH2	14:A:802:CLA:CAB	3.01	0.43
14:A:804:CLA:HBA1	14:A:804:CLA:H3A	1.68	0.43
17:B:851:BCR:H371	17:B:851:BCR:H24C	1.79	0.43
4:D:36:GLU:HA	4:D:49:MET:O	2.17	0.43
1:G:75:ALA:O	1:G:79:HIS:N	2.46	0.43
1:G:361:ALA:HB2	1:G:408:GLY:HA3	2.01	0.43
1:G:578:CYS:HB3	1:G:587:CYS:HA	2.01	0.43
13:G:801:CL0:H66	14:G:803:CLA:C2B	2.48	0.43
2:H:706:LEU:O	15:H:839:PQN:H6	2.19	0.43
14:H:834:CLA:HMB1	14:H:836:CLA:HED1	1.99	0.43
14:H:837:CLA:H143	10:h:88:VAL:HG21	2.00	0.43
9:K:61:ALA:O	9:K:65:PHE:N	2.48	0.43
17:L:209:BCR:H282	17:h:202:BCR:H282	2.01	0.43
4:O:85:ILE:HD13	4:O:91:THR:HG23	1.99	0.43
10:U:30:PHE:HZ	14:U:1002:CLA:HBB2	1.83	0.43
1:Y:167:VAL:O	1:Y:171:LEU:HB2	2.19	0.43
1:Y:174:PHE:HD2	14:Y:810:CLA:CBC	2.31	0.43
1:Y:216:GLN:OE1	1:Y:297:THR:HG23	2.18	0.43
14:Y:841:CLA:HMC3	14:Z:801:CLA:H71	2.01	0.43
2:Z:414:VAL:HG11	17:Z:844:BCR:C29	2.49	0.43
2:Z:438:GLY:O	2:Z:442:HIS:N	2.45	0.43
14:Z:831:CLA:H42	8:f:29:PHE:CE2	2.54	0.43
14:g:102:CLA:HED2	14:g:102:CLA:H2A	2.00	0.43
1:A:23:THR:O	1:A:23:THR:HG23	2.19	0.43
1:A:58:PHE:CE1	14:A:804:CLA:HED1	2.54	0.43
14:A:840:CLA:H62	14:A:840:CLA:H41	1.82	0.43
2:B:42:TYR:CE2	2:B:333:LEU:HD21	2.54	0.43
2:B:548:ARG:HH11	6:F:141:ARG:C	2.25	0.43
2:B:606:GLY:O	2:B:611:ASN:N	2.52	0.43
5:E:6:LYS:HD2	5:E:22:THR:HG22	2.01	0.43
1:G:256:VAL:HG13	1:G:258:TRP:CE2	2.54	0.43
1:G:615:TRP:CD2	1:G:639:PHE:HD1	2.36	0.43
1:G:647:ASN:O	1:G:650:LEU:N	2.51	0.43
14:G:842:CLA:H41	14:G:842:CLA:H62	1.71	0.43
2:H:54:ALA:HB2	2:H:149:LEU:HG	2.00	0.43
2:H:215:MET:HE3	2:H:220:GLY:HA2	1.99	0.43
2:H:439:LEU:HD22	2:H:456:ILE:HD12	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:462:PHE:O	2:H:466:ILE:HG13	2.19	0.43
2:H:527:HIS:NE2	17:H:848:BCR:H322	2.34	0.43
17:H:844:BCR:H351	17:H:844:BCR:H15C	1.73	0.43
8:J:26:LEU:CD2	17:J:103:BCR:HC7	2.48	0.43
10:L:35:PRO:CG	14:L:206:CLA:HED2	2.48	0.43
7:R:18:VAL:O	7:R:23:PRO:HD3	2.19	0.43
10:U:30:PHE:O	10:U:34:LEU:HD13	2.19	0.43
10:U:38:ARG:HD3	10:h:98:LEU:CD1	2.49	0.43
1:Y:58:PHE:HD2	1:Y:61:HIS:CE1	2.37	0.43
1:Y:182:LYS:HD3	1:Y:182:LYS:HA	1.82	0.43
1:Y:482:LEU:HB2	1:Y:533:THR:HG23	2.00	0.43
1:Y:694:ARG:HG3	1:Y:722:LEU:O	2.19	0.43
2:Z:384:PHE:CE1	2:Z:586:MET:HE1	2.54	0.43
14:Z:801:CLA:HMA2	14:Z:801:CLA:C2	2.49	0.43
1:A:14:VAL:CG2	14:A:810:CLA:HMA2	2.49	0.43
1:A:368:ILE:HG23	1:A:398:MET:HE1	2.01	0.43
1:A:552:ILE:HG12	14:B:804:CLA:HMD3	2.00	0.43
14:A:819:CLA:CGA	14:A:819:CLA:H3A	2.45	0.43
14:A:839:CLA:HAA2	14:A:839:CLA:HBD	2.01	0.43
2:B:459:GLU:O	2:B:461:VAL:N	2.52	0.43
2:B:586:MET:HE3	2:B:586:MET:HB3	1.96	0.43
2:B:685:VAL:HG22	2:B:703:PRO:HG2	2.01	0.43
14:B:809:CLA:H91	14:B:809:CLA:H112	1.81	0.43
4:D:31:TRP:CD1	4:D:77:ILE:HG21	2.54	0.43
6:F:103:VAL:HG13	6:F:104:PRO:HD3	2.01	0.43
1:G:325:LEU:O	1:G:329:LEU:HG	2.19	0.43
1:G:460:VAL:HG21	14:G:833:CLA:CMC	2.49	0.43
21:G:904:HOH:O	14:H:801:CLA:HAC2	2.16	0.43
2:H:390:PHE:CD2	2:H:540:LEU:HD13	2.53	0.43
2:H:528:ALA:HB2	14:H:802:CLA:H171	2.00	0.43
14:H:809:CLA:HHC	14:H:809:CLA:HBB1	2.00	0.43
4:O:83:TYR:HD2	4:O:91:THR:HG22	1.84	0.43
9:T:25:PHE:CE2	9:T:67:HIS:CE1	2.94	0.43
14:U:1006:CLA:HAB	14:Z:808:CLA:HMA2	1.95	0.43
17:U:1007:BCR:H372	14:Y:834:CLA:C15	2.49	0.43
1:Y:531:LEU:HD22	1:Y:535:ASP:HB3	2.01	0.43
1:Y:696:TYR:CE1	2:Z:542:LYS:HD2	2.53	0.43
2:Z:275:HIS:NE2	14:Z:816:CLA:C2B	2.81	0.43
2:Z:618:SER:O	2:Z:624:GLY:HA3	2.19	0.43
14:Z:819:CLA:HBB2	14:Z:820:CLA:HBC2	2.01	0.43
8:f:11:ALA:N	8:f:12:PRO:CD	2.80	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:h:85:LEU:HA	10:h:85:LEU:HD23	1.84	0.43
1:A:58:PHE:HE1	14:A:804:CLA:HED1	1.83	0.43
1:A:79:HIS:CD2	14:A:805:CLA:HMA1	2.54	0.43
14:A:808:CLA:H101	17:J:103:BCR:H372	2.00	0.43
14:A:811:CLA:H3A	14:A:811:CLA:HBA2	1.83	0.43
14:A:817:CLA:H61	14:A:817:CLA:H41	1.67	0.43
2:B:693:LEU:HD12	17:L:203:BCR:H272	2.01	0.43
1:G:85:ILE:CD1	14:G:809:CLA:H201	2.49	0.43
1:G:380:TYR:HA	1:G:381:PRO:HD3	1.91	0.43
2:H:551:LYS:N	6:Q:139:SER:OG	2.52	0.43
14:H:809:CLA:H12	14:H:809:CLA:HED2	2.01	0.43
9:K:62:THR:O	9:K:66:GLY:N	2.42	0.43
10:L:62:TRP:HB2	10:L:78:GLY:HA2	2.00	0.43
5:P:11:ARG:HG2	5:P:13:GLU:OE1	2.19	0.43
14:Q:201:CLA:HBA2	14:Q:201:CLA:H3A	1.48	0.43
10:U:90:THR:HG22	10:U:124:PHE:HD2	1.84	0.43
17:U:1007:BCR:H401	14:Y:842:CLA:HMA2	2.01	0.43
1:Y:243:ILE:HD12	14:Y:814:CLA:HMD3	2.00	0.43
1:Y:284:GLY:O	1:Y:285:LEU:HD23	2.19	0.43
1:Y:444:LEU:HD23	1:Y:551:LEU:HA	1.99	0.43
1:Y:583:ARG:NH2	4:b:62:GLU:OE2	2.47	0.43
14:Y:802:CLA:CAD	14:Z:802:CLA:CMB	2.97	0.43
14:Y:803:CLA:H201	14:Z:801:CLA:H141	2.00	0.43
14:Y:828:CLA:HBA2	14:Y:828:CLA:H3A	1.59	0.43
2:Z:36:MET:HE2	2:Z:41:LEU:N	2.34	0.43
2:Z:60:VAL:HG12	2:Z:64:LEU:HD12	2.01	0.43
2:Z:187:LEU:HB2	2:Z:280:ALA:HB1	2.00	0.43
2:Z:236:PRO:HA	2:Z:252:ALA:HB3	2.01	0.43
2:Z:243:PHE:HE1	2:Z:269:LEU:HD11	1.83	0.43
2:Z:454:LYS:HE3	14:Z:831:CLA:O1D	2.19	0.43
2:Z:504:LEU:HA	2:Z:507:ILE:HG22	2.00	0.43
1:A:106:ASP:C	1:A:108:THR:H	2.27	0.42
1:A:693:GLY:HA3	2:B:574:CYS:HB2	2.00	0.42
2:B:726:THR:HB	14:B:803:CLA:O1D	2.18	0.42
1:G:29:ALA:HB2	8:S:6:THR:OG1	2.19	0.42
2:H:291:ARG:CZ	2:H:299:SER:HB2	2.49	0.42
2:H:367:ASP:O	2:H:370:THR:HG22	2.19	0.42
2:H:431:PHE:HA	14:Q:201:CLA:O1D	2.19	0.42
2:H:527:HIS:CD2	17:H:848:BCR:H322	2.54	0.42
14:H:829:CLA:CGA	12:W:12:ARG:NH1	2.82	0.42
14:H:830:CLA:H71	14:H:830:CLA:H41	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:H:843:BCR:H351	17:H:843:BCR:H15C	1.72	0.42
17:J:103:BCR:H23C	17:J:103:BCR:H383	2.00	0.42
17:M:101:BCR:H383	17:M:101:BCR:C23	2.49	0.42
3:N:16:CYS:HG	3:N:25:LEU:HD22	1.78	0.42
3:N:20:CYS:SG	3:N:24:VAL:HB	2.59	0.42
8:S:13:VAL:O	8:S:17:ILE:HG13	2.18	0.42
8:S:28:GLU:OE1	8:S:31:ARG:NH2	2.52	0.42
10:U:33:ASN:HB3	14:U:1002:CLA:HAC1	2.01	0.42
12:W:9:TYR:N	21:W:1801:HOH:O	2.51	0.42
1:Y:120:ILE:C	1:Y:122:GLY:H	2.26	0.42
1:Y:450:PHE:O	1:Y:454:HIS:ND1	2.52	0.42
1:Y:464:THR:HG21	14:Y:834:CLA:HBC3	2.01	0.42
1:Y:687:LEU:HB2	14:Z:801:CLA:HMC2	2.01	0.42
14:Y:812:CLA:HBB1	14:Y:820:CLA:HBC2	2.00	0.42
14:Y:818:CLA:HBA2	14:Y:818:CLA:H3A	1.72	0.42
2:Z:24:ILE:HG22	14:Z:827:CLA:C4	2.49	0.42
2:Z:122:TRP:HB2	14:Z:826:CLA:CED	2.49	0.42
2:Z:129:ARG:HD3	2:Z:129:ARG:HA	1.74	0.42
2:Z:355:MET:HE2	2:Z:355:MET:HB3	1.87	0.42
2:Z:570:ARG:HB3	5:c:45:TYR:HB3	2.01	0.42
2:Z:724:ILE:HD13	14:Z:825:CLA:HMC1	2.01	0.42
17:h:202:BCR:H24C	17:h:202:BCR:H371	1.80	0.42
1:A:140:THR:HB	1:A:392:SER:OG	2.18	0.42
14:A:832:CLA:HED1	10:L:16:HIS:HD2	1.82	0.42
14:A:840:CLA:H41	15:A:843:PQN:H191	2.01	0.42
14:A:852:CLA:C1C	14:B:801:CLA:HBB1	2.49	0.42
2:B:85:PRO:O	2:B:115:ALA:N	2.52	0.42
2:B:92:ASP:H	7:I:1:MET:HE1	1.83	0.42
2:B:241:HIS:HD2	2:B:261:HIS:HE1	1.67	0.42
2:B:360:PRO:HG3	14:B:818:CLA:CBA	2.43	0.42
2:B:529:ILE:O	2:B:532:GLY:N	2.52	0.42
2:B:724:ILE:HD13	14:B:827:CLA:CMC	2.49	0.42
14:B:811:CLA:H3A	14:B:811:CLA:HBA2	1.77	0.42
3:C:5:LYS:HA	3:C:5:LYS:HD3	1.89	0.42
1:G:278:PHE:O	1:G:279:LEU:HD23	2.18	0.42
1:G:522:GLY:O	1:G:625:VAL:HG22	2.18	0.42
14:G:802:CLA:CMC	21:G:904:HOH:O	2.59	0.42
14:G:825:CLA:H42	14:G:829:CLA:H193	2.01	0.42
14:G:830:CLA:H171	14:G:830:CLA:H13	1.89	0.42
2:H:255:THR:HG22	2:H:270:THR:HB	2.02	0.42
2:H:684:LEU:O	14:H:837:CLA:HBC1	2.18	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:832:CLA:CHD	14:H:833:CLA:HAB	2.49	0.42
17:Q:202:BCR:C38	17:Q:202:BCR:H23C	2.49	0.42
17:Q:202:BCR:H351	17:Q:202:BCR:H15C	1.78	0.42
9:T:65:PHE:O	9:T:68:LEU:HG	2.19	0.42
17:U:1008:BCR:H24C	17:U:1008:BCR:H371	1.77	0.42
1:Y:86:TRP:NE1	14:Y:806:CLA:HBC1	2.33	0.42
1:Y:148:ARG:O	1:Y:224:ASN:ND2	2.40	0.42
1:Y:307:LEU:O	14:Y:821:CLA:HBC2	2.19	0.42
1:Y:407:GLY:HA3	14:Y:830:CLA:HMC2	2.00	0.42
1:Y:453:PHE:O	14:Y:834:CLA:HBB2	2.19	0.42
2:Z:200:GLU:CD	2:Z:205:HIS:HA	2.43	0.42
3:a:3:THR:OG1	3:a:67:TYR:HB2	2.19	0.42
4:b:9:LEU:HB2	4:b:48:VAL:CG2	2.49	0.42
1:A:242:PHE:HB3	1:A:249:MET:HE2	2.01	0.42
1:A:704:ILE:HD13	14:B:802:CLA:HMD2	2.00	0.42
14:A:803:CLA:HBB1	14:A:803:CLA:HMB3	2.02	0.42
14:A:852:CLA:HMD2	14:B:803:CLA:O1A	2.18	0.42
2:B:195:HIS:O	2:B:206:VAL:HG21	2.19	0.42
2:B:236:PRO:HB2	2:B:237:ASP:H	1.69	0.42
14:B:810:CLA:H18	14:B:810:CLA:H152	1.78	0.42
3:C:40:SER:HG	4:D:112:VAL:HG23	1.85	0.42
14:G:809:CLA:H93	14:G:809:CLA:H111	1.83	0.42
2:H:207:GLY:N	2:H:210:ASN:OD1	2.52	0.42
2:H:337:LEU:HD21	14:H:828:CLA:C2B	2.50	0.42
2:H:435:HIS:O	2:H:439:LEU:N	2.38	0.42
17:H:845:BCR:H351	17:H:845:BCR:H15C	1.74	0.42
6:Q:65:ILE:HD12	14:S:1103:CLA:HMB3	2.00	0.42
6:Q:80:VAL:HG23	6:Q:109:CYS:CB	2.42	0.42
10:U:80:ILE:CG2	14:U:1006:CLA:H93	2.49	0.42
1:Y:261:PHE:HB3	21:Y:902:HOH:O	2.19	0.42
1:Y:452:GLY:HA3	14:Y:855:CLA:O1A	2.19	0.42
1:Y:462:ASN:CG	1:Y:474:MET:HG2	2.43	0.42
14:Y:834:CLA:CMC	14:Y:855:CLA:H91	2.49	0.42
14:Y:841:CLA:H141	14:Y:841:CLA:H162	1.88	0.42
17:Y:856:BCR:H331	17:Y:856:BCR:C8	2.49	0.42
2:Z:50:PHE:O	2:Z:148:ALA:HB1	2.20	0.42
2:Z:200:GLU:OE2	2:Z:205:HIS:CD2	2.72	0.42
2:Z:555:ASP:HB2	2:Z:558:ASP:OD2	2.19	0.42
14:Z:811:CLA:H121	14:Z:811:CLA:H8	1.71	0.42
3:a:61:PHE:HD2	4:b:119:ILE:CG2	2.32	0.42
3:a:74:ARG:NH2	4:b:25:GLU:OE1	2.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:d:139:SER:O	6:d:141:ARG:NH1	2.51	0.42
9:g:40:GLY:N	9:g:41:PRO:HD2	2.34	0.42
10:h:23:ASP:OD1	10:h:28:LYS:NZ	2.37	0.42
14:A:808:CLA:HMC1	14:A:828:CLA:H141	2.01	0.42
14:A:819:CLA:HBC2	14:A:829:CLA:H121	2.01	0.42
14:A:827:CLA:C4C	14:A:836:CLA:HED1	2.49	0.42
2:B:566:ASP:HB3	2:B:573:THR:HG21	2.02	0.42
14:B:810:CLA:HMA1	14:L:202:CLA:CAB	2.47	0.42
4:D:7:PRO:HB3	10:L:13:PHE:HZ	1.84	0.42
1:G:280:THR:HG22	1:G:295:SER:OG	2.17	0.42
1:G:341:HIS:CE1	1:G:429:VAL:HG21	2.55	0.42
1:G:437:ARG:CZ	4:O:44:ALA:HB2	2.49	0.42
1:G:695:GLY:O	2:H:576:ILE:HG13	2.20	0.42
2:H:9:GLN:N	2:H:34:ASP:OD2	2.47	0.42
2:H:361:TYR:O	2:H:364:ILE:CG2	2.67	0.42
2:H:397:LEU:HA	2:H:401:TYR:HB2	2.02	0.42
2:H:589:MET:SD	2:H:590:LEU:HG	2.59	0.42
14:H:803:CLA:H112	14:H:803:CLA:H72	1.83	0.42
10:L:88:VAL:HG22	14:h:207:CLA:H191	2.01	0.42
6:Q:65:ILE:HB	6:Q:66:PRO:HD3	2.01	0.42
1:Y:79:HIS:CE1	14:Y:805:CLA:HMA2	2.55	0.42
1:Y:159:TYR:O	1:Y:163:ILE:HG12	2.19	0.42
1:Y:375:TYR:CE1	14:Y:837:CLA:HBC3	2.55	0.42
1:Y:602:MET:HE3	1:Y:602:MET:HB3	1.95	0.42
2:Z:18:ARG:CZ	3:a:71:GLU:HG3	2.48	0.42
2:Z:194:ILE:HD13	14:Z:813:CLA:HAC2	2.00	0.42
2:Z:561:TYR:O	2:Z:579:TRP:HB2	2.18	0.42
2:Z:604:HIS:HB3	2:Z:608:TRP:CE2	2.53	0.42
5:c:58:ASN:HB3	5:c:60:PHE:CE1	2.55	0.42
1:A:14:VAL:HG23	14:A:810:CLA:HMA2	2.00	0.42
1:A:37:THR:OG1	1:A:38:LEU:N	2.52	0.42
14:A:803:CLA:H111	8:J:19:MET:HB3	2.02	0.42
14:A:826:CLA:H11	14:A:837:CLA:HBA1	2.02	0.42
2:B:186:SER:HA	2:B:189:TRP:HB3	2.02	0.42
14:B:802:CLA:O1A	14:B:832:CLA:O2D	2.38	0.42
4:D:131:THR:O	4:D:133:LYS:N	2.52	0.42
1:G:307:LEU:HD21	14:G:817:CLA:H141	2.02	0.42
1:G:592:TRP:O	1:G:595:VAL:HB	2.18	0.42
14:G:808:CLA:HBA2	14:G:808:CLA:H3A	1.81	0.42
1:Y:709:ASN:OD1	1:Y:714:ALA:HB3	2.19	0.42
17:Y:850:BCR:H24C	17:Y:850:BCR:H371	1.73	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:156:LEU:HD12	11:i:29:LEU:HD12	2.02	0.42
1:A:283:GLY:O	1:A:507:ALA:HB3	2.19	0.42
1:A:583:ARG:HG3	3:C:48:VAL:CG1	2.49	0.42
1:A:583:ARG:HA	3:C:76:MET:HA	2.01	0.42
14:B:825:CLA:C1B	17:B:847:BCR:H363	2.48	0.42
1:G:207:LEU:HD11	14:G:820:CLA:HBC1	2.02	0.42
1:G:268:PHE:HA	14:T:101:CLA:HAC1	2.01	0.42
1:G:433:VAL:HG21	14:G:824:CLA:CMC	2.50	0.42
14:G:802:CLA:H141	14:G:802:CLA:H161	1.72	0.42
14:G:824:CLA:O2D	14:G:824:CLA:HAA1	2.19	0.42
7:I:18:VAL:O	7:I:23:PRO:HD3	2.19	0.42
4:O:37:GLN:NE2	4:O:77:ILE:HD11	2.34	0.42
6:Q:84:TYR:CD1	6:Q:105:LEU:HD23	2.54	0.42
17:Q:204:BCR:H271	14:W:1701:CLA:O2A	2.19	0.42
10:U:58:LEU:HD13	10:U:85:LEU:HD22	2.02	0.42
10:U:131:SER:O	10:U:134:VAL:HG12	2.18	0.42
10:U:153:PHE:CG	10:h:68:LEU:CD2	3.03	0.42
1:Y:210:LEU:CD2	17:Y:847:BCR:H373	2.49	0.42
1:Y:330:GLU:HG2	1:Y:342:LYS:HA	2.01	0.42
1:Y:332:HIS:O	1:Y:341:HIS:ND1	2.53	0.42
1:Y:409:ALA:HB1	1:Y:553:LEU:HB3	2.00	0.42
14:Y:806:CLA:CMA	14:Y:830:CLA:CAB	2.98	0.42
2:Z:230:GLY:HA2	14:Z:814:CLA:HAA2	2.02	0.42
2:Z:335:PHE:C	2:Z:335:PHE:CD1	2.98	0.42
2:Z:388:GLY:CA	14:Z:827:CLA:C3C	2.97	0.42
14:Z:809:CLA:H62	14:Z:809:CLA:H41	1.72	0.42
17:Z:846:BCR:H351	17:Z:846:BCR:H15C	1.81	0.42
14:A:822:CLA:HMB3	14:A:822:CLA:HBB1	2.01	0.42
2:B:325:ILE:HA	2:B:328:THR:HG22	2.02	0.42
2:B:425:LEU:HD21	14:B:839:CLA:C3B	2.50	0.42
14:B:825:CLA:HBA2	14:B:825:CLA:H3A	1.78	0.42
1:G:212:TRP:CA	14:G:814:CLA:HAB	2.49	0.42
10:L:6:LYS:O	10:L:18:SER:N	2.53	0.42
17:L:203:BCR:H15C	17:L:203:BCR:H351	1.60	0.42
1:Y:45:THR:HB	1:Y:719:PRO:HA	2.02	0.42
1:Y:100:TYR:OH	1:Y:152:ILE:O	2.35	0.42
1:Y:392:SER:O	1:Y:396:HIS:CB	2.68	0.42
1:Y:464:THR:HG22	2:Z:654:TRP:NE1	2.35	0.42
1:Y:553:LEU:O	1:Y:557:VAL:HG23	2.19	0.42
1:Y:653:PHE:O	1:Y:657:GLN:HG3	2.20	0.42
1:Y:664:SER:OG	1:Y:673:GLY:HA3	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:737:LEU:HD22	14:Y:841:CLA:HMA3	2.02	0.42
14:Y:808:CLA:H112	14:Y:830:CLA:H192	2.02	0.42
14:Y:833:CLA:H3A	14:Y:833:CLA:HBA1	1.84	0.42
2:Z:332:SER:O	2:Z:336:GLN:HG3	2.19	0.42
2:Z:553:MET:HE2	2:Z:559:PHE:CD1	2.54	0.42
14:Z:838:CLA:HAB	15:Z:840:PQN:H193	2.02	0.42
4:b:30:THR:O	4:b:80:TYR:HA	2.20	0.42
1:A:59:ASP:CB	1:A:418:ARG:HH12	2.32	0.42
1:A:214:GLY:O	1:A:218:HIS:HD2	2.01	0.42
1:A:221:LEU:HB2	1:A:222:PRO:HD3	2.01	0.42
1:A:607:SER:O	1:A:610:ILE:HG12	2.19	0.42
1:A:677:LEU:HD21	2:B:626:LEU:HD22	2.02	0.42
14:B:830:CLA:HMA1	14:B:831:CLA:O1D	2.19	0.42
14:B:841:CLA:H161	14:B:841:CLA:H202	1.78	0.42
17:B:843:BCR:H331	17:B:843:BCR:C8	2.49	0.42
4:D:9:LEU:HB2	4:D:48:VAL:HG23	2.01	0.42
1:G:21:VAL:HG23	1:G:181:HIS:ND1	2.34	0.42
1:G:618:GLN:O	1:G:634:ILE:HB	2.20	0.42
1:G:674:LEU:HD21	2:H:448:ALA:HB2	2.02	0.42
2:H:20:ILE:CD1	7:R:34:ILE:HD12	2.50	0.42
2:H:200:GLU:OE1	2:H:205:HIS:CD2	2.73	0.42
2:H:286:ALA:HB2	14:H:818:CLA:C2C	2.49	0.42
2:H:649:LEU:HA	2:H:652:TRP:HD1	1.85	0.42
2:H:668:MET:HB2	14:H:803:CLA:C1C	2.50	0.42
14:H:805:CLA:H162	14:H:827:CLA:HBB2	2.01	0.42
8:J:17:ILE:O	8:J:20:THR:N	2.52	0.42
10:U:16:HIS:CD2	10:U:17:LEU:H	2.37	0.42
1:Y:140:THR:HA	1:Y:389:THR:HG22	2.00	0.42
14:Y:808:CLA:H18	14:Y:830:CLA:H201	2.01	0.42
17:Y:850:BCR:H15C	17:Y:850:BCR:H351	1.66	0.42
14:Y:855:CLA:HAB	2:Z:665:THR:N	2.34	0.42
2:Z:203:GLY:CA	2:Z:244:GLY:O	2.67	0.42
2:Z:360:PRO:HG3	14:Z:816:CLA:CBA	2.48	0.42
2:Z:388:GLY:N	14:Z:827:CLA:HAC1	2.34	0.42
17:Z:844:BCR:H351	17:Z:844:BCR:H15C	1.60	0.42
6:d:34:ARG:HG3	6:d:38:TYR:CE2	2.55	0.42
1:A:565:LEU:HD11	1:A:583:ARG:HB3	2.01	0.42
1:A:583:ARG:HG3	3:C:48:VAL:HG13	2.01	0.42
1:A:662:ILE:HB	2:B:627:ARG:HB2	2.01	0.42
2:B:222:ALA:HB3	2:B:223:PRO:HD3	2.02	0.42
2:B:430:LEU:HG	2:B:434:PHE:CE2	2.55	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:435:HIS:CB	17:B:851:BCR:HC42	2.49	0.42
14:B:832:CLA:HHD	14:B:832:CLA:HBC2	2.01	0.42
14:B:832:CLA:CAB	17:F:201:BCR:H323	2.50	0.42
1:G:359:ASN:CG	14:G:825:CLA:HAA1	2.45	0.42
1:G:675:LEU:HD11	14:G:828:CLA:C14	2.50	0.42
1:G:699:GLU:HG2	2:H:550:SER:OG	2.20	0.42
2:H:181:LEU:HG	14:H:812:CLA:H43	2.01	0.42
2:H:383:GLY:HA3	2:H:589:MET:HE2	2.02	0.42
14:H:816:CLA:O1D	14:H:817:CLA:HMA1	2.20	0.42
9:K:21:LEU:O	9:K:25:PHE:HE1	2.03	0.42
1:Y:575:ARG:HA	1:Y:592:TRP:HB2	2.01	0.42
1:Y:677:LEU:O	1:Y:680:HIS:N	2.47	0.42
14:Y:803:CLA:H191	14:Y:854:CLA:H141	2.02	0.42
2:Z:427:TRP:CE2	14:Z:829:CLA:HAB	2.55	0.42
14:Z:838:CLA:HBD	14:Z:838:CLA:HAA1	2.02	0.42
3:a:19:ALA:O	3:a:52:ARG:HB2	2.19	0.42
10:h:62:TRP:HB2	10:h:78:GLY:HA2	2.02	0.42
1:A:45:THR:OG1	14:A:839:CLA:C3B	2.68	0.42
14:A:840:CLA:HMB2	14:A:852:CLA:H193	2.02	0.42
14:B:813:CLA:H162	14:B:828:CLA:HMD3	2.02	0.42
3:C:61:PHE:CD2	4:D:119:ILE:HG21	2.55	0.42
4:D:31:TRP:HZ2	4:D:49:MET:HB2	1.85	0.42
1:G:215:HIS:HB2	14:G:814:CLA:C1C	2.50	0.42
1:G:352:TRP:CE2	14:G:825:CLA:H18	2.55	0.42
1:G:363:MET:HE3	14:G:829:CLA:HMC2	2.00	0.42
14:G:802:CLA:H202	14:G:841:CLA:H2	2.02	0.42
14:G:818:CLA:CMD	21:G:907:HOH:O	2.66	0.42
17:G:849:BCR:H351	17:G:849:BCR:H15C	1.76	0.42
2:H:28:HIS:HB2	14:H:828:CLA:O1A	2.20	0.42
2:H:447:VAL:HG22	2:H:452:PRO:HA	2.01	0.42
2:H:591:ASN:HB2	14:H:801:CLA:HBC2	2.01	0.42
10:U:57:PHE:CD2	14:U:1004:CLA:HBC3	2.54	0.42
11:V:10:VAL:O	11:V:14:ILE:HG13	2.19	0.42
1:Y:399:TRP:CE2	1:Y:740:ILE:HG23	2.55	0.42
1:Y:405:VAL:HG13	17:Y:850:BCR:H343	2.01	0.42
2:Z:381:ILE:O	2:Z:385:LEU:HG	2.20	0.42
2:Z:386:MET:O	2:Z:389:ALA:HB3	2.20	0.42
2:Z:561:TYR:O	2:Z:577:SER:OG	2.37	0.42
14:Z:826:CLA:H202	17:Z:842:BCR:H352	2.02	0.42
12:j:18:LEU:O	12:j:22:ILE:HG13	2.20	0.42
1:A:221:LEU:O	1:A:222:PRO:C	2.63	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F:60:ALA:O	6:F:64:LEU:HB2	2.20	0.41
1:G:28:TRP:HE1	14:G:811:CLA:CHB	2.33	0.41
14:G:826:CLA:CAB	17:G:849:BCR:H311	2.49	0.41
2:H:491:ALA:HA	14:H:832:CLA:HMD2	2.02	0.41
2:H:543:GLY:HA3	2:H:581:ALA:CB	2.50	0.41
2:H:602:TRP:CE2	2:H:629:TYR:HB2	2.55	0.41
14:H:806:CLA:HBC1	11:V:11:ALA:O	2.20	0.41
14:H:814:CLA:NB	17:H:840:BCR:HC32	2.35	0.41
14:H:822:CLA:CMD	14:H:823:CLA:HAB	2.49	0.41
17:H:844:BCR:H371	17:H:844:BCR:H24C	1.81	0.41
10:L:153:PHE:CG	10:U:68:LEU:HD22	2.54	0.41
10:U:153:PHE:CG	10:h:68:LEU:HD23	2.55	0.41
12:W:18:LEU:O	12:W:22:ILE:HG13	2.19	0.41
1:Y:90:MET:HE1	14:Y:808:CLA:H2A	2.01	0.41
1:Y:121:VAL:HG22	14:Z:831:CLA:CMD	2.50	0.41
1:Y:205:LEU:HD23	14:Y:819:CLA:HBC3	2.01	0.41
1:Y:374:MET:HE2	1:Y:374:MET:HB3	1.89	0.41
1:Y:377:MET:HG2	1:Y:509:ALA:O	2.19	0.41
14:Y:827:CLA:C7	21:Y:904:HOH:O	2.63	0.41
2:Z:188:ALA:O	2:Z:192:HIS:N	2.51	0.41
2:Z:323:GLN:H	2:Z:323:GLN:CD	2.27	0.41
2:Z:690:ARG:HA	2:Z:690:ARG:HD3	1.88	0.41
14:Z:828:CLA:CAB	14:Z:837:CLA:HBB2	2.50	0.41
3:a:7:TYR:CE2	4:b:119:ILE:HD12	2.55	0.41
3:a:60:ASP:HB3	5:c:58:ASN:ND2	2.34	0.41
14:g:101:CLA:HBA2	14:g:101:CLA:H3A	1.82	0.41
1:A:52:HIS:HB3	14:A:804:CLA:HBC3	2.02	0.41
1:A:77:PHE:CE1	14:A:810:CLA:HBB1	2.56	0.41
1:A:212:TRP:O	1:A:216:GLN:HB2	2.21	0.41
1:A:300:HIS:HB2	14:A:818:CLA:C1B	2.50	0.41
14:A:840:CLA:H111	14:B:801:CLA:H141	2.02	0.41
2:B:342:ALA:HA	2:B:386:MET:HE1	2.02	0.41
2:B:431:PHE:HA	14:B:832:CLA:O1D	2.20	0.41
2:B:602:TRP:CH2	2:B:618:SER:HB2	2.55	0.41
1:G:664:SER:HB2	1:G:669:LEU:HB2	2.01	0.41
14:G:819:CLA:CAD	14:G:829:CLA:H41	2.50	0.41
2:H:548:ARG:NH1	6:Q:141:ARG:OXT	2.53	0.41
2:H:601:HIS:O	2:H:605:LEU:HG	2.20	0.41
14:H:801:CLA:H141	14:S:1101:CLA:C19	2.46	0.41
14:H:824:CLA:HBA2	14:H:824:CLA:H3A	1.61	0.41
17:H:842:BCR:H15C	17:H:842:BCR:H351	1.59	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L:6:LYS:HG3	10:L:18:SER:CB	2.48	0.41
10:L:33:ASN:HB3	14:L:205:CLA:HAC1	2.02	0.41
14:L:205:CLA:HHC	14:L:205:CLA:CBB	2.50	0.41
8:S:18:TRP:HA	8:S:18:TRP:CE3	2.53	0.41
14:U:1002:CLA:H3A	14:U:1002:CLA:HBA2	1.79	0.41
17:U:1007:BCR:H351	17:U:1007:BCR:H15C	1.85	0.41
1:Y:374:MET:HE1	14:Y:829:CLA:O1D	2.20	0.41
1:Y:407:GLY:HA2	14:Y:830:CLA:C3C	2.49	0.41
14:Y:808:CLA:H3A	14:Y:808:CLA:HBA2	1.64	0.41
2:Z:173:ARG:NE	14:Z:822:CLA:HMD1	2.34	0.41
14:Z:804:CLA:HED2	14:Z:805:CLA:HMB2	2.01	0.41
17:Z:845:BCR:H24C	17:Z:845:BCR:H371	1.84	0.41
1:A:202:ALA:HB2	1:A:312:GLY:HA3	2.01	0.41
1:A:388:PRO:HG3	1:A:752:ILE:HA	2.02	0.41
1:A:429:VAL:HG23	14:A:831:CLA:CMD	2.50	0.41
1:A:442:SER:HB2	2:B:687:ALA:HB2	2.01	0.41
1:A:475:PHE:HA	1:A:480:ILE:O	2.19	0.41
1:A:599:LEU:HD13	18:A:850:LHG:H321	2.02	0.41
1:A:674:LEU:O	14:A:852:CLA:H62	2.20	0.41
1:A:683:TRP:CG	13:A:801:CL0:H4	2.55	0.41
1:A:684:ALA:HB1	14:B:801:CLA:HBB2	2.01	0.41
14:A:803:CLA:C17	14:A:840:CLA:H161	2.51	0.41
2:B:122:TRP:HZ2	14:B:813:CLA:H191	1.84	0.41
2:B:392:HIS:HA	2:B:395:ILE:HB	2.03	0.41
14:B:807:CLA:H91	19:B:849:LMG:H402	2.02	0.41
1:G:72:ILE:HD13	14:G:805:CLA:C3C	2.51	0.41
14:G:804:CLA:HBC2	14:G:830:CLA:H51	2.03	0.41
14:G:817:CLA:CGA	14:G:817:CLA:C1A	2.97	0.41
2:H:398:VAL:O	4:O:125:PRO:HG2	2.20	0.41
2:H:622:LEU:HD12	14:H:801:CLA:H11	2.02	0.41
14:H:804:CLA:O2A	14:H:812:CLA:O1A	2.38	0.41
9:K:24:LEU:HA	9:K:27:ILE:HG22	2.02	0.41
6:Q:34:ARG:HD3	8:S:35:ASP:CG	2.45	0.41
8:S:15:ALA:O	8:S:19:MET:HE2	2.20	0.41
10:U:19:THR:HG21	14:Y:831:CLA:CMA	2.47	0.41
1:Y:190:PHE:O	14:Y:825:CLA:H141	2.21	0.41
1:Y:293:TRP:O	1:Y:296:ASP:HB2	2.20	0.41
1:Y:315:TYR:CE1	1:Y:325:LEU:HD21	2.55	0.41
1:Y:566:ILE:O	1:Y:569:LYS:HG3	2.20	0.41
1:Y:639:PHE:O	1:Y:643:ALA:HB3	2.20	0.41
14:Y:824:CLA:HMA3	14:Y:843:CLA:CAB	2.42	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:79:HIS:HB2	14:A:805:CLA:HMB1	2.03	0.41
1:A:259:GLY:C	1:A:261:PHE:N	2.78	0.41
1:A:379:PRO:HG3	14:A:819:CLA:CBA	2.49	0.41
1:A:722:LEU:HD13	1:A:730:VAL:HG21	2.01	0.41
14:A:802:CLA:CAD	14:B:803:CLA:HMB3	2.50	0.41
14:A:818:CLA:C4	14:A:827:CLA:HMB1	2.51	0.41
14:A:818:CLA:HBA2	14:A:818:CLA:H3A	1.80	0.41
14:A:821:CLA:HMB2	14:A:825:CLA:O2D	2.20	0.41
4:D:38:VAL:O	4:D:75:ARG:NH1	2.48	0.41
4:D:123:PRO:HB2	4:D:128:LEU:HD11	2.02	0.41
1:G:253:TYR:N	1:G:253:TYR:CD2	2.88	0.41
1:G:433:VAL:HG21	14:G:824:CLA:HMC1	2.01	0.41
14:G:812:CLA:HBB1	14:G:820:CLA:HBC2	2.03	0.41
14:G:819:CLA:H193	14:G:819:CLA:H162	1.92	0.41
2:H:20:ILE:HD11	7:R:34:ILE:HD12	2.01	0.41
2:H:241:HIS:HB3	2:H:261:HIS:NE2	2.34	0.41
2:H:536:THR:HG21	14:H:824:CLA:HBC3	2.02	0.41
2:H:662:VAL:O	2:H:665:THR:N	2.52	0.41
8:J:26:LEU:HD22	17:J:103:BCR:HC7	2.01	0.41
6:Q:74:ALA:O	6:Q:77:ILE:HB	2.19	0.41
17:V:1202:BCR:HC7	17:V:1202:BCR:H331	1.81	0.41
1:Y:337:THR:O	1:Y:432:ARG:HD2	2.20	0.41
1:Y:448:CYS:HB3	1:Y:548:VAL:HG22	2.02	0.41
1:Y:465:MET:HE1	14:Y:834:CLA:C4D	2.51	0.41
1:Y:482:LEU:H	1:Y:533:THR:HG23	1.84	0.41
17:Y:851:BCR:H15C	17:Y:851:BCR:H351	1.75	0.41
14:Y:855:CLA:O1D	17:Y:856:BCR:H391	2.20	0.41
2:Z:29:ASP:OD2	2:Z:32:SER:OG	2.38	0.41
2:Z:320:MET:HB2	2:Z:322:HIS:CE1	2.56	0.41
10:h:16:HIS:CD2	14:h:201:CLA:HED1	2.55	0.41
1:A:66:GLU:O	1:A:69:SER:OG	2.28	0.41
1:A:302:LEU:HD13	14:A:815:CLA:HMC2	2.02	0.41
1:A:445:ASN:OD1	14:B:804:CLA:HED3	2.20	0.41
14:A:819:CLA:C4A	14:A:819:CLA:O1A	2.69	0.41
14:A:830:CLA:H102	14:A:840:CLA:HAA2	2.02	0.41
14:A:841:CLA:C4A	14:A:841:CLA:HBA2	2.50	0.41
2:B:30:PHE:O	2:B:33:HIS:HB2	2.21	0.41
2:B:383:GLY:O	2:B:589:MET:HG3	2.21	0.41
2:B:663:TRP:CE2	14:B:803:CLA:HMA3	2.55	0.41
14:B:805:CLA:HED2	14:B:805:CLA:H2A	2.01	0.41
14:B:808:CLA:H61	14:B:808:CLA:H102	1.89	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:823:CLA:OBD	14:B:824:CLA:HAB	2.21	0.41
17:B:845:BCR:H23C	17:B:845:BCR:C38	2.48	0.41
17:B:847:BCR:H351	17:B:847:BCR:H15C	1.78	0.41
4:D:30:THR:HG22	4:D:55:LEU:HD13	2.02	0.41
5:E:17:TYR:O	6:F:137:THR:OG1	2.19	0.41
6:F:101:ILE:HB	8:J:14:LEU:CD1	2.50	0.41
17:F:201:BCR:H331	14:F:202:CLA:HMB2	2.01	0.41
14:G:822:CLA:HMD1	17:T:102:BCR:H371	2.02	0.41
2:H:176:HIS:HB3	14:H:812:CLA:CAB	2.50	0.41
2:H:339:TRP:O	2:H:342:ALA:HB3	2.19	0.41
2:H:350:LEU:HD13	14:H:825:CLA:HAA1	2.02	0.41
14:H:802:CLA:H41	14:H:802:CLA:H62	1.73	0.41
14:H:827:CLA:H3A	14:H:827:CLA:HBA2	1.68	0.41
17:L:209:BCR:C38	17:L:209:BCR:C23	2.98	0.41
3:N:64:ILE:HG23	3:N:64:ILE:O	2.20	0.41
1:Y:583:ARG:HH21	4:b:62:GLU:CD	2.28	0.41
14:Y:824:CLA:HMD3	14:Y:825:CLA:HAB	2.03	0.41
14:Y:826:CLA:HBA1	14:Y:827:CLA:OBD	2.19	0.41
2:Z:516:LEU:HD13	2:Z:603:LYS:HG2	2.02	0.41
2:Z:667:PHE:HE1	2:Z:719:PHE:CD1	2.38	0.41
5:c:42:LYS:HA	5:c:42:LYS:HD3	1.83	0.41
5:c:43:VAL:HG13	5:c:54:GLY:C	2.44	0.41
1:A:394:PHE:CE1	1:A:613:PHE:HB2	2.56	0.41
1:A:440:ILE:HG23	14:A:838:CLA:HBB2	2.03	0.41
1:A:604:ASN:OD1	13:A:801:CL0:H37	2.19	0.41
6:F:100:ILE:CG2	8:J:10:THR:HG22	2.50	0.41
1:G:655:TRP:CD1	2:H:631:TRP:CD1	3.09	0.41
14:G:808:CLA:H91	14:G:808:CLA:H121	2.02	0.41
17:G:847:BCR:H24C	17:G:847:BCR:H371	1.85	0.41
2:H:522:ASP:HB3	2:H:526:HIS:HD2	1.84	0.41
2:H:713:LEU:HD22	19:H:846:LMG:H122	2.03	0.41
6:Q:16:LYS:O	6:Q:19:ALA:HB3	2.20	0.41
1:Y:549:THR:HA	1:Y:552:ILE:HD12	2.01	0.41
2:Z:198:ILE:HD13	2:Z:202:ARG:NH1	2.35	0.41
14:Z:832:CLA:HBA1	14:Z:832:CLA:H3A	1.77	0.41
8:f:10:THR:C	8:f:12:PRO:HD2	2.46	0.41
10:h:83:ILE:HG23	10:h:129:MET:HE1	2.01	0.41
1:A:79:HIS:NE2	14:A:805:CLA:HMA1	2.35	0.41
1:A:356:LEU:HD23	1:A:411:HIS:CE1	2.55	0.41
1:A:456:PHE:CD1	14:A:802:CLA:HMB1	2.56	0.41
1:A:529:ILE:HG12	1:A:621:VAL:CG2	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:821:CLA:HED2	14:A:824:CLA:HED2	2.03	0.41
14:A:826:CLA:H51	14:A:836:CLA:H12	2.02	0.41
14:A:827:CLA:HED1	14:A:834:CLA:HAB	2.01	0.41
2:B:278:ALA:HB2	14:B:817:CLA:HAB	2.01	0.41
2:B:339:TRP:HE1	14:B:824:CLA:C3B	2.32	0.41
14:B:805:CLA:HHC	14:B:807:CLA:OBD	2.21	0.41
6:F:40:GLN:OE1	8:J:40:PRO:HB3	2.21	0.41
1:G:314:MET:HE1	14:G:821:CLA:HMD2	2.03	0.41
1:G:504:ASN:HB2	14:G:835:CLA:HED2	2.03	0.41
1:G:697:TRP:HZ3	14:G:802:CLA:O1D	2.04	0.41
1:G:702:GLU:CD	2:H:551:LYS:HB2	2.45	0.41
14:G:803:CLA:H41	2:H:654:TRP:NE1	2.36	0.41
14:G:832:CLA:O1A	14:G:842:CLA:H11	2.21	0.41
14:G:841:CLA:HBA2	14:G:841:CLA:H3A	1.69	0.41
2:H:379:GLN:NE2	2:H:596:VAL:HG11	2.36	0.41
2:H:446:VAL:HG22	2:H:451:THR:OG1	2.21	0.41
2:H:487:ILE:HG22	14:H:832:CLA:HMD2	2.03	0.41
14:H:805:CLA:H151	14:H:805:CLA:H72	2.03	0.41
11:M:12:LEU:HB3	17:M:101:BCR:C21	2.51	0.41
1:Y:455:SER:OG	1:Y:456:PHE:N	2.53	0.41
14:Y:802:CLA:H91	14:Y:855:CLA:H8	2.03	0.41
14:Y:808:CLA:H142	17:f:103:BCR:C18	2.50	0.41
2:Z:67:VAL:HA	2:Z:71:GLY:HA3	2.02	0.41
2:Z:154:LEU:O	2:Z:157:GLN:N	2.41	0.41
14:Z:817:CLA:HMB2	14:Z:822:CLA:HED1	2.03	0.41
14:Z:828:CLA:CAC	17:Z:844:BCR:H402	2.50	0.41
3:a:53:CYS:O	3:a:64:ILE:HG21	2.21	0.41
4:b:19:SER:O	4:b:23:THR:HG22	2.21	0.41
14:f:102:CLA:C2D	17:f:105:BCR:H383	2.51	0.41
17:f:104:BCR:H351	17:f:104:BCR:H15C	1.59	0.41
11:i:28:GLU:HA	11:i:28:GLU:OE1	2.19	0.41
1:A:434:LEU:O	1:A:437:ARG:HG2	2.21	0.41
1:A:612:HIS:ND1	14:A:836:CLA:CMC	2.84	0.41
1:A:682:ILE:CD1	14:A:840:CLA:CMB	2.98	0.41
17:A:846:BCR:HC8	17:A:846:BCR:H311	2.02	0.41
17:A:849:BCR:H403	17:A:849:BCR:C23	2.47	0.41
2:B:13:GLN:HE21	2:B:13:GLN:HB2	1.73	0.41
2:B:46:PHE:CE2	2:B:50:PHE:HE2	2.39	0.41
2:B:185:SER:O	14:B:814:CLA:HBB2	2.20	0.41
2:B:241:HIS:HA	2:B:247:GLN:O	2.20	0.41
2:B:588:TRP:O	2:B:591:ASN:N	2.53	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:802:CLA:H141	14:B:802:CLA:H162	1.98	0.41
17:B:847:BCR:HC8	17:B:847:BCR:H321	2.02	0.41
1:G:73:PHE:O	1:G:76:HIS:HB2	2.21	0.41
1:G:213:ALA:O	1:G:217:ILE:HG13	2.21	0.41
1:G:340:GLY:C	1:G:429:VAL:HG23	2.46	0.41
1:G:466:ARG:HH22	1:G:645:THR:HG21	1.85	0.41
1:G:629:GLY:O	1:G:631:VAL:HG23	2.21	0.41
14:G:824:CLA:HAC1	17:G:848:BCR:H323	2.02	0.41
2:H:60:VAL:CG1	2:H:141:LEU:HD13	2.46	0.41
2:H:738:LYS:O	2:H:739:PHE:HB2	2.21	0.41
9:K:69:LEU:HA	14:K:103:CLA:HBC2	2.01	0.41
10:L:68:LEU:HD12	10:L:77:GLY:HA3	2.03	0.41
4:O:5:GLY:CA	4:O:53:GLU:HG2	2.51	0.41
4:O:50:ARG:H	4:O:54:ASN:HD21	1.68	0.41
5:P:11:ARG:HB3	5:P:14:SER:HB2	2.03	0.41
11:V:3:LEU:HD23	11:V:3:LEU:HA	1.92	0.41
1:Y:60:THR:OG1	1:Y:61:HIS:CD2	2.74	0.41
1:Y:221:LEU:HB3	1:Y:253:TYR:OH	2.21	0.41
1:Y:372:GLN:O	1:Y:375:TYR:CE2	2.74	0.41
1:Y:533:THR:O	1:Y:537:MET:HG3	2.20	0.41
14:Y:854:CLA:HMB3	14:Z:802:CLA:C20	2.50	0.41
2:Z:391:ALA:O	2:Z:395:ILE:HG13	2.20	0.41
14:Z:819:CLA:C3D	17:Z:841:BCR:H393	2.51	0.41
14:Z:835:CLA:C13	12:j:19:LEU:HD22	2.46	0.41
10:h:79:LEU:O	10:h:83:ILE:N	2.44	0.41
10:h:87:LEU:HD23	10:h:87:LEU:HA	1.86	0.41
1:A:407:GLY:O	1:A:410:ALA:HB3	2.20	0.41
1:A:615:TRP:O	1:A:615:TRP:CD1	2.73	0.41
1:A:700:LEU:O	1:A:704:ILE:HG13	2.20	0.41
17:A:848:BCR:H15C	17:A:848:BCR:H351	1.88	0.41
2:B:55:ILE:HD12	14:B:805:CLA:CBB	2.51	0.41
2:B:59:TRP:CZ3	14:B:807:CLA:HMC1	2.56	0.41
2:B:254:LEU:HD11	14:B:815:CLA:HAC1	2.03	0.41
2:B:353:GLN:O	2:B:356:TYR:CE1	2.74	0.41
2:B:458:ILE:HD11	17:B:851:BCR:C34	2.51	0.41
14:B:813:CLA:H192	14:B:828:CLA:H51	2.03	0.41
17:F:201:BCR:H403	17:F:201:BCR:H24C	1.85	0.41
1:G:348:LEU:CB	14:G:825:CLA:HBC3	2.51	0.41
1:G:387:TYR:HB3	1:G:751:ILE:CD1	2.50	0.41
1:G:545:THR:O	1:G:549:THR:OG1	2.34	0.41
1:G:603:TYR:CE1	1:G:740:ILE:HG13	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:649:TRP:CE2	13:G:801:CL0:H56	2.55	0.41
14:G:834:CLA:HBA1	14:G:834:CLA:H3A	1.79	0.41
14:G:839:CLA:O1A	14:Q:201:CLA:HED2	2.20	0.41
17:G:849:BCR:H393	17:G:849:BCR:C27	2.51	0.41
17:G:849:BCR:C23	17:G:849:BCR:C38	2.97	0.41
2:H:11:LEU:HD11	2:H:26:MET:HE3	2.01	0.41
2:H:577:SER:OG	2:H:578:ALA:N	2.53	0.41
14:H:805:CLA:H43	19:H:846:LMG:H321	2.03	0.41
14:H:834:CLA:H41	14:W:1701:CLA:HED2	2.02	0.41
14:L:206:CLA:HAC2	17:L:208:BCR:C38	2.51	0.41
6:Q:108:LYS:HD2	6:Q:108:LYS:HA	1.86	0.41
9:T:66:GLY:HA2	9:T:69:LEU:CD2	2.50	0.41
14:U:1006:CLA:HED1	17:U:1007:BCR:C6	2.50	0.41
1:Y:58:PHE:CD1	14:Y:805:CLA:HMC2	2.55	0.41
1:Y:111:LYS:HD2	1:Y:130:VAL:O	2.20	0.41
1:Y:128:GLY:O	1:Y:130:VAL:N	2.53	0.41
1:Y:153:THR:HG21	1:Y:236:ILE:CD1	2.51	0.41
1:Y:356:LEU:CD1	1:Y:360:LEU:HG	2.50	0.41
1:Y:461:HIS:CE1	1:Y:465:MET:HE2	2.55	0.41
1:Y:564:ARG:HB3	3:a:79:ALA:CB	2.51	0.41
14:Y:802:CLA:H93	14:Z:839:CLA:CBB	2.51	0.41
14:Y:810:CLA:H2A	14:Y:810:CLA:O2D	2.21	0.41
14:Y:828:CLA:H193	14:Y:828:CLA:H161	1.89	0.41
14:Y:828:CLA:C2C	17:Y:851:BCR:HC42	2.50	0.41
14:Y:833:CLA:H93	14:Z:838:CLA:H52	2.02	0.41
2:Z:86:ILE:CD1	2:Z:108:ALA:HB2	2.51	0.41
2:Z:188:ALA:HB1	14:Z:812:CLA:HMC1	2.03	0.41
2:Z:425:LEU:HD21	14:Z:837:CLA:C2B	2.50	0.41
2:Z:453:GLU:HA	6:d:48:LEU:HD22	2.02	0.41
2:Z:539:ILE:CD1	14:Z:801:CLA:HMD2	2.51	0.41
2:Z:566:ASP:HB2	2:Z:573:THR:HG21	2.02	0.41
2:Z:680:LEU:O	2:Z:683:THR:CG2	2.69	0.41
2:Z:703:PRO:O	3:a:80:TYR:OH	2.22	0.41
14:Z:801:CLA:H51	14:Z:801:CLA:HMA1	2.03	0.41
14:Z:824:CLA:C4B	14:Z:832:CLA:HMA3	2.51	0.41
14:Z:838:CLA:H71	14:Z:838:CLA:H111	1.97	0.41
4:b:71:GLN:O	4:b:74:PRO:HG2	2.20	0.41
4:b:100:VAL:HG23	4:b:109:ARG:NH2	2.36	0.41
6:d:108:LYS:O	6:d:112:THR:HG23	2.21	0.41
8:f:23:ALA:O	8:f:27:ILE:HG13	2.21	0.41
8:f:27:ILE:HD12	17:f:104:BCR:C11	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:432:ARG:NE	14:A:831:CLA:OBD	2.52	0.41
17:A:845:BCR:H351	17:A:845:BCR:H15C	1.76	0.41
2:B:21:TRP:HH2	15:B:842:PQN:H261	1.86	0.41
2:B:186:SER:O	2:B:190:ALA:N	2.41	0.41
2:B:288:HIS:C	14:B:820:CLA:HED1	2.46	0.41
2:B:369:THR:O	2:B:372:ALA:HB3	2.21	0.41
4:D:9:LEU:HD12	4:D:48:VAL:HG21	2.02	0.41
1:G:53:ALA:HB1	18:G:851:LHG:O10	2.21	0.41
1:G:100:TYR:OH	1:G:152:ILE:O	2.28	0.41
1:G:289:THR:HA	1:G:382:TYR:CZ	2.56	0.41
1:G:398:MET:HB3	1:G:606:ILE:HG23	2.03	0.41
14:G:802:CLA:HBA2	2:H:430:LEU:HD13	2.03	0.41
14:G:821:CLA:H8	17:G:848:BCR:C10	2.51	0.41
2:H:321:PRO:HG2	2:H:409:ASN:HA	2.03	0.41
14:H:835:CLA:H171	14:Q:201:CLA:HBC1	2.03	0.41
10:L:11:ASP:OD2	10:L:14:VAL:HB	2.21	0.41
10:L:35:PRO:O	10:L:46:ARG:HG2	2.21	0.41
6:Q:48:LEU:HD23	6:Q:48:LEU:HA	1.97	0.41
1:Y:120:ILE:O	1:Y:122:GLY:N	2.54	0.41
1:Y:308:PHE:CE1	14:Y:821:CLA:HAB	2.56	0.41
14:Y:809:CLA:HBC2	14:Y:828:CLA:H151	2.02	0.41
2:Z:67:VAL:CG1	2:Z:123:TRP:HZ3	2.24	0.41
2:Z:509:SER:CB	2:Z:511:THR:HG22	2.50	0.41
14:Z:823:CLA:HAA2	14:Z:824:CLA:OBD	2.21	0.41
9:g:74:VAL:C	9:g:76:GLY:H	2.28	0.41
12:j:11:PHE:N	18:j:101:LHG:O1	2.53	0.41
1:A:189:TRP:CZ2	14:A:810:CLA:HMA1	2.56	0.40
1:A:380:TYR:HA	1:A:381:PRO:HD3	1.96	0.40
17:A:848:BCR:C8	17:A:848:BCR:H331	2.50	0.40
2:B:500:LEU:N	2:B:501:PRO:CD	2.84	0.40
14:B:809:CLA:H92	14:B:829:CLA:H202	2.02	0.40
17:B:846:BCR:H24C	17:B:846:BCR:H371	1.81	0.40
17:B:848:BCR:H24C	17:B:848:BCR:H371	1.87	0.40
1:G:75:ALA:HB1	14:G:805:CLA:HBB1	2.03	0.40
1:G:460:VAL:HG21	14:G:833:CLA:HMC1	2.03	0.40
1:G:583:ARG:CG	3:N:48:VAL:HG13	2.49	0.40
1:G:650:LEU:HD23	2:H:638:ILE:CD1	2.51	0.40
1:G:698:GLN:HB3	2:H:552:LEU:HD22	2.02	0.40
2:H:470:HIS:HA	2:H:481:LEU:HD12	2.01	0.40
2:H:647:ASN:ND2	2:H:649:LEU:H	2.08	0.40
14:H:802:CLA:H3A	14:H:802:CLA:HBA2	1.63	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:807:CLA:H142	14:H:808:CLA:H41	2.02	0.40
14:H:822:CLA:HAB	14:H:829:CLA:HMD1	2.03	0.40
8:J:21:ILE:O	8:J:25:ILE:HG13	2.21	0.40
14:L:207:CLA:HBA2	14:L:207:CLA:H3A	1.91	0.40
6:Q:113:GLY:O	6:Q:116:TRP:HD1	2.03	0.40
14:U:1006:CLA:HAA2	14:U:1006:CLA:HBD	2.02	0.40
11:V:17:LEU:HD23	11:V:17:LEU:HA	1.91	0.40
1:Y:45:THR:OG1	14:d:201:CLA:C3B	2.69	0.40
1:Y:184:ALA:HA	1:Y:185:PRO:HD3	1.94	0.40
1:Y:461:HIS:CE1	14:Y:834:CLA:NA	2.89	0.40
1:Y:647:ASN:OD1	2:Z:641:TYR:O	2.39	0.40
14:Z:808:CLA:H102	14:Z:825:CLA:H172	2.04	0.40
3:a:25:LEU:HA	3:a:40:SER:O	2.20	0.40
6:d:88:VAL:O	6:d:91:SER:OG	2.37	0.40
9:g:65:PHE:CE2	9:g:69:LEU:HG	2.57	0.40
17:h:203:BCR:H271	14:h:206:CLA:NC	2.36	0.40
1:A:682:ILE:HG23	1:A:734:HIS:CD2	2.56	0.40
14:A:834:CLA:CMD	14:A:835:CLA:HAB	2.48	0.40
15:A:843:PQN:H171	17:F:201:BCR:H382	2.03	0.40
2:B:198:ILE:CG1	2:B:199:PRO:HD3	2.46	0.40
2:B:443:ASN:HB3	2:B:621:TYR:HB3	2.03	0.40
2:B:497:ASN:O	2:B:499:TRP:CD2	2.74	0.40
2:B:588:TRP:O	2:B:592:THR:HG23	2.21	0.40
2:B:596:VAL:HG22	14:B:837:CLA:HBB2	2.03	0.40
14:B:827:CLA:H203	14:B:827:CLA:H162	1.86	0.40
1:G:65:LEU:O	1:G:69:SER:OG	2.36	0.40
1:G:85:ILE:HD13	14:G:809:CLA:H201	2.02	0.40
1:G:224:ASN:HB3	1:G:294:LEU:HD13	2.03	0.40
1:G:334:GLY:HA3	18:G:852:LHG:O4	2.21	0.40
1:G:375:TYR:CE1	14:G:836:CLA:HBC3	2.57	0.40
1:G:738:GLY:O	1:G:742:THR:OG1	2.38	0.40
1:G:744:TRP:HA	14:G:828:CLA:HBB1	2.02	0.40
14:G:839:CLA:H72	14:G:839:CLA:H111	1.96	0.40
2:H:198:ILE:O	2:H:201:SER:OG	2.28	0.40
2:H:304:MET:HB3	2:H:322:HIS:O	2.21	0.40
2:H:344:LEU:HD11	14:H:827:CLA:HMC3	2.03	0.40
2:H:586:MET:HG2	2:H:716:LEU:HD11	2.04	0.40
14:H:836:CLA:HHC	14:H:836:CLA:CBB	2.49	0.40
14:H:837:CLA:HAA1	14:H:837:CLA:HBD	2.02	0.40
6:Q:61:GLY:O	8:S:38:PHE:HB2	2.20	0.40
12:X:13:THR:O	12:X:16:ALA:HB3	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:X:18:LEU:HD12	12:X:18:LEU:C	2.46	0.40
1:Y:25:PHE:O	1:Y:28:TRP:HB2	2.20	0.40
1:Y:177:TRP:HB2	14:Y:811:CLA:CMC	2.48	0.40
1:Y:221:LEU:HD21	1:Y:295:SER:HA	2.03	0.40
1:Y:538:VAL:O	1:Y:541:ILE:HB	2.21	0.40
1:Y:599:LEU:HD23	1:Y:599:LEU:HA	1.94	0.40
2:Z:89:ALA:C	2:Z:90:ILE:HG13	2.47	0.40
14:Z:825:CLA:HBC3	19:Z:847:LMG:H422	2.02	0.40
14:Z:830:CLA:OBD	14:Z:830:CLA:H93	2.21	0.40
17:d:203:BCR:C8	17:d:203:BCR:C33	2.99	0.40
1:A:310:ILE:HD12	9:K:68:LEU:HD12	2.03	0.40
1:A:553:LEU:HD21	1:A:598:GLY:HA3	2.03	0.40
1:A:682:ILE:HD11	14:A:840:CLA:CMB	2.43	0.40
17:A:849:BCR:H371	17:A:849:BCR:H24C	1.91	0.40
2:B:178:LEU:HD21	14:B:819:CLA:C3B	2.50	0.40
14:B:825:CLA:H112	17:B:847:BCR:H312	2.04	0.40
14:B:840:CLA:H201	7:I:20:TRP:HA	2.02	0.40
6:F:76:TRP:O	6:F:80:VAL:HG13	2.22	0.40
1:G:74:SER:OG	1:G:180:TYR:HB2	2.21	0.40
1:G:81:ALA:HA	1:G:169:ALA:HA	2.03	0.40
14:G:803:CLA:HAA1	2:H:661:LEU:HA	2.02	0.40
14:G:827:CLA:H112	14:G:827:CLA:H143	1.72	0.40
14:G:830:CLA:HBA2	14:G:830:CLA:H3A	1.82	0.40
15:G:844:PQN:H193	17:Q:202:BCR:H382	2.02	0.40
17:G:850:BCR:H271	14:Q:201:CLA:HMB3	2.02	0.40
2:H:220:GLY:O	2:H:222:ALA:N	2.54	0.40
2:H:240:SER:O	2:H:240:SER:OG	2.33	0.40
9:K:22:CYS:O	9:K:22:CYS:SG	2.79	0.40
14:L:206:CLA:CMA	17:L:209:BCR:H341	2.52	0.40
3:N:23:ASP:OD1	3:N:43:ARG:NH2	2.55	0.40
14:U:1002:CLA:C1B	14:U:1003:CLA:HED1	2.52	0.40
1:Y:355:GLN:HG3	14:Y:825:CLA:H152	2.03	0.40
1:Y:529:ILE:HD13	1:Y:617:MET:SD	2.61	0.40
1:Y:686:SER:HB3	1:Y:731:GLY:O	2.21	0.40
14:Y:818:CLA:C2	14:Y:818:CLA:O1A	2.69	0.40
14:Y:829:CLA:H51	14:Y:829:CLA:C2D	2.51	0.40
15:Y:844:PQN:H202	14:d:201:CLA:CAB	2.50	0.40
2:Z:89:ALA:O	2:Z:90:ILE:HG13	2.22	0.40
2:Z:162:PRO:HG2	2:Z:167:PHE:CZ	2.57	0.40
2:Z:459:GLU:HG3	6:d:5:LEU:HD11	2.03	0.40
14:Z:823:CLA:H3A	14:Z:823:CLA:HBA2	1.89	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:d:84:TYR:CD1	14:d:201:CLA:HED3	2.57	0.40
1:A:100:TYR:CE1	1:A:104:LEU:HD21	2.57	0.40
1:A:213:ALA:O	1:A:217:ILE:N	2.40	0.40
1:A:397:HIS:O	1:A:401:GLY:N	2.35	0.40
14:A:813:CLA:HAA2	14:A:813:CLA:HBD	2.03	0.40
17:A:846:BCR:H351	17:A:846:BCR:H15C	1.76	0.40
2:B:90:ILE:CD1	14:B:810:CLA:HMD1	2.52	0.40
2:B:129:ARG:HA	2:B:129:ARG:HD3	1.91	0.40
2:B:275:HIS:CE1	2:B:279:ILE:HG13	2.57	0.40
2:B:344:LEU:HD12	2:B:344:LEU:HA	1.90	0.40
2:B:396:PHE:HD1	2:B:400:ASP:HB2	1.84	0.40
14:B:803:CLA:H41	14:B:803:CLA:H62	1.85	0.40
1:G:90:MET:HE1	14:G:808:CLA:HAA2	2.04	0.40
1:G:138:GLN:OE1	1:G:752:ILE:HG23	2.21	0.40
1:G:377:MET:SD	14:G:827:CLA:HMC1	2.62	0.40
1:G:391:LEU:O	1:G:395:THR:HG23	2.21	0.40
1:G:517:VAL:HG13	1:G:527:MET:HB3	2.03	0.40
14:G:818:CLA:HMD3	21:G:907:HOH:O	2.21	0.40
14:G:821:CLA:H121	14:G:821:CLA:H162	1.94	0.40
17:G:849:BCR:H371	17:G:849:BCR:H24C	1.76	0.40
2:H:187:LEU:HD21	17:H:840:BCR:H331	2.03	0.40
2:H:682:GLU:HG2	3:N:80:TYR:HE1	1.86	0.40
4:O:106:ASN:ND2	4:O:107:LYS:O	2.54	0.40
14:S:1101:CLA:C4B	17:S:1104:BCR:H281	2.52	0.40
10:U:57:PHE:CD1	10:U:57:PHE:C	2.99	0.40
10:U:111:LEU:O	10:U:117:TRP:HE3	2.04	0.40
1:Y:386:ASP:C	1:Y:388:PRO:HD2	2.46	0.40
1:Y:713:VAL:O	1:Y:714:ALA:C	2.63	0.40
14:Y:803:CLA:O2A	14:Y:841:CLA:H43	2.21	0.40
14:Y:830:CLA:H41	14:Y:830:CLA:H62	1.82	0.40
14:Z:809:CLA:CMC	14:Z:812:CLA:H192	2.52	0.40
1:A:216:GLN:HA	1:A:220:SER:HB3	2.03	0.40
1:A:224:ASN:O	1:A:228:ASP:CG	2.65	0.40
1:A:409:ALA:CB	1:A:553:LEU:HB3	2.51	0.40
1:A:455:SER:HB2	1:A:541:ILE:HG12	2.04	0.40
1:A:577:PRO:HA	1:A:728:ARG:NH1	2.36	0.40
1:A:647:ASN:HD22	2:B:657:LEU:CD1	2.34	0.40
1:A:695:GLY:O	1:A:699:GLU:HG3	2.22	0.40
14:A:817:CLA:H3A	14:A:817:CLA:HBA2	1.95	0.40
14:A:833:CLA:HAB	14:L:201:CLA:CHB	2.45	0.40
2:B:255:THR:OG1	2:B:256:PHE:N	2.52	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:703:PRO:HB3	14:B:840:CLA:C1C	2.52	0.40
14:B:829:CLA:H142	19:B:849:LMG:H202	2.03	0.40
17:B:845:BCR:H371	17:B:845:BCR:H24C	1.86	0.40
17:B:851:BCR:H351	17:B:851:BCR:H15C	1.76	0.40
3:C:61:PHE:CZ	3:C:65:ARG:NH1	2.89	0.40
6:F:24:THR:HG22	6:F:24:THR:O	2.21	0.40
1:G:221:LEU:N	1:G:222:PRO:CD	2.85	0.40
1:G:675:LEU:HD23	1:G:675:LEU:HA	1.97	0.40
14:G:810:CLA:HBB2	14:G:813:CLA:HED2	2.03	0.40
17:G:847:BCR:H351	17:G:847:BCR:H15C	1.74	0.40
2:H:38:GLU:O	2:H:41:LEU:HB3	2.22	0.40
2:H:413:ARG:O	2:H:416:GLN:HB2	2.22	0.40
2:H:626:LEU:O	2:H:631:TRP:N	2.39	0.40
10:L:63:VAL:O	10:L:69:ARG:HB3	2.22	0.40
1:Y:35:ASP:OD1	1:Y:37:THR:OG1	2.37	0.40
14:Y:855:CLA:CAB	2:Z:665:THR:CG2	2.99	0.40
2:Z:196:VAL:C	2:Z:199:PRO:HD2	2.46	0.40
2:Z:340:HIS:CG	14:Z:822:CLA:HAA1	2.56	0.40
3:a:79:ALA:HB2	4:b:60:ARG:CD	2.52	0.40
14:d:201:CLA:C5	14:d:202:CLA:HBC3	2.51	0.40
17:f:103:BCR:H24C	17:f:103:BCR:H371	1.94	0.40

All (1) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:c:28:GLN:OE1	6:d:1:ASP:N[2_545]	2.13	0.07

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	737/755 (98%)	634 (86%)	89 (12%)	14 (2%)	6 23
1	G	737/755 (98%)	634 (86%)	86 (12%)	17 (2%)	5 19
1	Y	737/755 (98%)	627 (85%)	98 (13%)	12 (2%)	7 27
2	B	737/741 (100%)	639 (87%)	84 (11%)	14 (2%)	6 23
2	H	737/741 (100%)	658 (89%)	69 (9%)	10 (1%)	9 30
2	Z	737/741 (100%)	642 (87%)	86 (12%)	9 (1%)	10 34
3	C	78/81 (96%)	72 (92%)	4 (5%)	2 (3%)	4 17
3	N	78/81 (96%)	69 (88%)	8 (10%)	1 (1%)	9 32
3	a	78/81 (96%)	64 (82%)	12 (15%)	2 (3%)	4 17
4	D	136/139 (98%)	119 (88%)	14 (10%)	3 (2%)	5 20
4	O	136/139 (98%)	122 (90%)	11 (8%)	3 (2%)	5 20
4	b	136/139 (98%)	117 (86%)	15 (11%)	4 (3%)	3 15
5	E	67/76 (88%)	58 (87%)	6 (9%)	3 (4%)	2 8
5	P	67/76 (88%)	56 (84%)	6 (9%)	5 (8%)	1 2
5	c	67/76 (88%)	56 (84%)	8 (12%)	3 (4%)	2 8
6	F	139/164 (85%)	126 (91%)	12 (9%)	1 (1%)	18 48
6	Q	139/164 (85%)	124 (89%)	14 (10%)	1 (1%)	18 48
6	d	139/164 (85%)	118 (85%)	18 (13%)	3 (2%)	5 20
7	I	36/38 (95%)	30 (83%)	6 (17%)	0	100 100
7	R	36/38 (95%)	31 (86%)	5 (14%)	0	100 100
7	e	36/38 (95%)	31 (86%)	4 (11%)	1 (3%)	4 15
8	J	39/41 (95%)	34 (87%)	5 (13%)	0	100 100
8	S	39/41 (95%)	34 (87%)	5 (13%)	0	100 100
8	f	39/41 (95%)	38 (97%)	0	1 (3%)	4 17
9	K	40/83 (48%)	31 (78%)	7 (18%)	2 (5%)	1 6
9	T	40/83 (48%)	33 (82%)	4 (10%)	3 (8%)	1 2
9	g	40/83 (48%)	30 (75%)	8 (20%)	2 (5%)	1 6
10	L	149/155 (96%)	124 (83%)	22 (15%)	3 (2%)	6 22
10	U	149/155 (96%)	138 (93%)	11 (7%)	0	100 100
10	h	149/155 (96%)	129 (87%)	17 (11%)	3 (2%)	6 22
11	M	28/31 (90%)	26 (93%)	2 (7%)	0	100 100
11	V	28/31 (90%)	26 (93%)	2 (7%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	i	28/31 (90%)	28 (100%)	0	0	100	100
12	W	24/39 (62%)	23 (96%)	1 (4%)	0	100	100
12	X	24/39 (62%)	24 (100%)	0	0	100	100
12	j	24/39 (62%)	23 (96%)	1 (4%)	0	100	100
All	All	6630/7029 (94%)	5768 (87%)	740 (11%)	122 (2%)	6	25

All (122) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	121	VAL
4	D	95	HIS
5	E	55	VAL
1	G	320	GLY
1	G	508	THR
2	H	481	LEU
9	K	41	PRO
3	N	61	PHE
9	T	21	LEU
9	T	41	PRO
1	Y	121	VAL
1	Y	250	ALA
1	Y	261	PHE
1	Y	320	GLY
2	Z	247	GLN
3	a	61	PHE
5	c	55	VAL
9	g	41	PRO
1	A	115	GLN
1	A	235	ASP
1	A	250	ALA
1	A	283	GLY
2	B	96	GLY
2	B	169	ASN
2	B	236	PRO
2	B	247	GLN
2	B	295	GLY
5	E	54	GLY
6	F	91	SER
1	G	182	LYS
1	G	232	ALA
1	G	428	ASN

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Mol	Chain	Res	Type
1	G	526	MET
2	H	474	LEU
2	H	518	ILE
10	L	108	SER
4	O	44	ALA
5	P	3	ARG
6	Q	63	PHE
9	T	36	SER
1	Y	129	ASP
1	Y	152	ILE
1	Y	249	MET
1	Y	590	SER
4	b	132	GLY
5	c	3	ARG
1	A	13	ARG
1	A	234	LYS
1	A	526	MET
2	B	29	ASP
2	B	234	GLN
2	B	480	LEU
2	B	699	TRP
3	C	14	THR
3	C	61	PHE
1	G	115	GLN
1	G	410	ALA
1	G	427	ASN
1	G	630	THR
1	G	723	SER
2	H	169	ASN
2	H	221	LEU
2	H	480	LEU
2	H	517	THR
10	L	106	SER
5	P	46	THR
5	P	55	VAL
2	Z	29	ASP
2	Z	234	GLN
2	Z	255	THR
2	Z	427	TRP
2	Z	565	CYS
3	a	23	ASP
4	b	9	LEU

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Mol	Chain	Res	Type
6	d	63	PHE
7	e	6	ALA
1	A	114	ALA
1	A	260	PHE
2	B	216	PRO
4	D	36	GLU
1	G	317	THR
1	G	401	GLY
1	G	750	ARG
2	H	165	SER
2	H	438	GLY
4	O	31	TRP
1	Y	115	GLN
1	Y	621	VAL
2	Z	374	LEU
5	c	54	GLY
9	g	75	SER
2	B	265	GLU
2	B	409	ASN
5	E	46	THR
1	G	605	CYS
1	Y	258	TRP
1	Y	544	PHE
2	Z	78	GLN
2	Z	93	PRO
10	h	20	PRO
10	h	67	PRO
1	A	436	HIS
2	B	707	SER
4	O	95	HIS
4	b	44	ALA
4	b	95	HIS
6	d	49	PRO
1	A	503	PRO
1	A	717	ILE
1	G	121	VAL
1	G	500	GLY
4	D	132	GLY
2	H	180	GLY
9	K	56	LEU
6	d	53	VAL
8	f	24	GLY

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Mol	Chain	Res	Type
10	h	55	GLY
2	B	708	ILE
10	L	151	GLY
5	P	35	PRO
1	A	310	ILE
5	P	68	VAL

5.3.2 Protein sidechains (i)

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	590/603 (98%)	582 (99%)	8 (1%)	59	85
1	G	590/603 (98%)	574 (97%)	16 (3%)	39	73
1	Y	590/603 (98%)	569 (96%)	21 (4%)	31	65
2	B	597/598 (100%)	580 (97%)	17 (3%)	38	72
2	H	597/598 (100%)	583 (98%)	14 (2%)	44	76
2	Z	597/598 (100%)	579 (97%)	18 (3%)	36	70
3	C	67/68 (98%)	64 (96%)	3 (4%)	24	58
3	N	67/68 (98%)	64 (96%)	3 (4%)	24	58
3	a	67/68 (98%)	67 (100%)	0	100	100
4	D	115/116 (99%)	110 (96%)	5 (4%)	26	60
4	O	115/116 (99%)	110 (96%)	5 (4%)	26	60
4	b	115/116 (99%)	112 (97%)	3 (3%)	40	73
5	E	59/65 (91%)	55 (93%)	4 (7%)	14	42
5	P	59/65 (91%)	56 (95%)	3 (5%)	21	53
5	c	59/65 (91%)	56 (95%)	3 (5%)	21	53
6	F	109/128 (85%)	106 (97%)	3 (3%)	38	72
6	Q	109/128 (85%)	107 (98%)	2 (2%)	51	80
6	d	109/128 (85%)	107 (98%)	2 (2%)	51	80
7	I	32/32 (100%)	32 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
7	R	32/32 (100%)	32 (100%)	0	100 100
7	e	32/32 (100%)	31 (97%)	1 (3%)	35 69
8	J	36/36 (100%)	35 (97%)	1 (3%)	38 72
8	S	36/36 (100%)	34 (94%)	2 (6%)	19 50
8	f	36/36 (100%)	36 (100%)	0	100 100
9	K	33/61 (54%)	31 (94%)	2 (6%)	17 46
9	T	33/61 (54%)	31 (94%)	2 (6%)	17 46
9	g	33/61 (54%)	28 (85%)	5 (15%)	3 9
10	L	117/120 (98%)	112 (96%)	5 (4%)	26 60
10	U	117/120 (98%)	112 (96%)	5 (4%)	26 60
10	h	117/120 (98%)	108 (92%)	9 (8%)	12 35
11	M	25/26 (96%)	23 (92%)	2 (8%)	11 34
11	V	25/26 (96%)	23 (92%)	2 (8%)	11 34
11	i	25/26 (96%)	23 (92%)	2 (8%)	11 34
12	W	20/31 (64%)	19 (95%)	1 (5%)	22 53
12	X	20/31 (64%)	19 (95%)	1 (5%)	22 53
12	j	20/31 (64%)	20 (100%)	0	100 100
All	All	5400/5652 (96%)	5230 (97%)	170 (3%)	35 69

All (170) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	106	ASP
1	A	153	THR
1	A	209	SER
1	A	253	TYR
1	A	324	SER
1	A	468	PHE
1	A	625	VAL
1	A	661	VAL
2	B	2	THR
2	B	3	LYS
2	B	112	VAL
2	B	165	SER
2	B	213	SER
2	B	318	PHE

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Mol	Chain	Res	Type
2	B	325	ILE
2	B	327	GLU
2	B	357	SER
2	B	419	GLU
2	B	489	SER
2	B	551	LYS
2	B	574	CYS
2	B	646	THR
2	B	647	ASN
2	B	681	ILE
2	B	696	LEU
3	C	9	THR
3	C	50	CYS
3	C	66	VAL
4	D	13	SER
4	D	48	VAL
4	D	54	ASN
4	D	76	LYS
4	D	118	SER
5	E	22	THR
5	E	43	VAL
5	E	59	ASN
5	E	62	LEU
6	F	25	THR
6	F	40	GLN
6	F	137	THR
1	G	46	THR
1	G	51	LEU
1	G	60	THR
1	G	108	THR
1	G	120	ILE
1	G	182	LYS
1	G	191	GLN
1	G	195	SER
1	G	209	SER
1	G	277	ASP
1	G	294	LEU
1	G	355	GLN
1	G	365	SER
1	G	465	MET
1	G	546	ILE
1	G	589	VAL

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Mol	Chain	Res	Type
2	H	64	LEU
2	H	214	THR
2	H	235	ASN
2	H	237	ASP
2	H	328	THR
2	H	429	SER
2	H	446	VAL
2	H	473	LEU
2	H	487	ILE
2	H	514	LEU
2	H	542	LYS
2	H	577	SER
2	H	638	ILE
2	H	725	LEU
8	J	35	ASP
9	K	56	LEU
9	K	64	SER
10	L	4	LEU
10	L	19	THR
10	L	29	THR
10	L	48	LEU
10	L	73	VAL
11	M	6	THR
11	M	26	SER
3	N	4	VAL
3	N	48	VAL
3	N	68	LEU
4	O	65	LEU
4	O	85	ILE
4	O	104	LYS
4	O	122	ASN
4	O	126	SER
5	P	36	VAL
5	P	65	VAL
5	P	68	VAL
6	Q	67	SER
6	Q	80	VAL
8	S	6	THR
8	S	14	LEU
9	T	27	ILE
9	T	69	LEU
10	U	6	LYS

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Mol	Chain	Res	Type
10	U	19	THR
10	U	26	LEU
10	U	48	LEU
10	U	148	ILE
11	V	5	ASP
11	V	31	LYS
12	W	22	ILE
12	X	13	THR
1	Y	45	THR
1	Y	63	SER
1	Y	104	LEU
1	Y	117	VAL
1	Y	147	TRP
1	Y	219	VAL
1	Y	235	ASP
1	Y	292	LEU
1	Y	304	ILE
1	Y	347	VAL
1	Y	350	THR
1	Y	442	SER
1	Y	465	MET
1	Y	478	THR
1	Y	520	VAL
1	Y	562	SER
1	Y	587	CYS
1	Y	605	CYS
1	Y	642	SER
1	Y	661	VAL
1	Y	742	THR
2	Z	32	SER
2	Z	64	LEU
2	Z	66	HIS
2	Z	67	VAL
2	Z	156	LEU
2	Z	185	SER
2	Z	238	THR
2	Z	349	SER
2	Z	411	LEU
2	Z	446	VAL
2	Z	494	ASN
2	Z	514	LEU
2	Z	551	LYS

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Mol	Chain	Res	Type
2	Z	574	CYS
2	Z	632	LEU
2	Z	683	THR
2	Z	691	THR
2	Z	707	SER
4	b	33	SER
4	b	41	MET
4	b	88	ASP
5	c	36	VAL
5	c	43	VAL
5	c	53	SER
6	d	24	THR
6	d	36	GLU
7	e	4	SER
9	g	24	LEU
9	g	32	TYR
9	g	58	GLU
9	g	64	SER
9	g	69	LEU
10	h	19	THR
10	h	48	LEU
10	h	70	ASP
10	h	71	SER
10	h	76	LEU
10	h	85	LEU
10	h	114	SER
10	h	118	SER
10	h	140	GLU
11	i	3	LEU
11	i	6	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (132) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	43	GLN
1	A	79	HIS
1	A	135	HIS
1	A	215	HIS
1	A	224	ASN
1	A	301	HIS
1	A	355	GLN
1	A	373	HIS

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Mol	Chain	Res	Type
1	A	390	GLN
1	A	488	GLN
1	A	504	ASN
1	A	542	HIS
1	A	660	GLN
1	A	718	GLN
2	B	13	GLN
2	B	33	HIS
2	B	52	HIS
2	B	82	ASN
2	B	110	ASN
2	B	241	HIS
2	B	298	HIS
2	B	417	HIS
2	B	443	ASN
2	B	455	GLN
2	B	494	ASN
2	B	497	ASN
2	B	527	HIS
2	B	633	ASN
2	B	639	ASN
2	B	647	ASN
2	B	688	HIS
4	D	70	GLN
5	E	63	HIS
6	F	23	ASN
6	F	32	GLN
1	G	43	GLN
1	G	52	HIS
1	G	61	HIS
1	G	123	GLN
1	G	198	ASN
1	G	240	HIS
1	G	282	ASN
1	G	301	HIS
1	G	323	HIS
1	G	332	HIS
1	G	359	ASN
1	G	390	GLN
1	G	426	GLN
1	G	547	HIS
1	G	571	ASN

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Mol	Chain	Res	Type
1	G	618	GLN
1	G	641	GLN
1	G	718	GLN
2	H	40	ASN
2	H	52	HIS
2	H	78	GLN
2	H	82	ASN
2	H	110	ASN
2	H	131	ASN
2	H	155	HIS
2	H	192	HIS
2	H	205	HIS
2	H	234	GLN
2	H	241	HIS
2	H	331	ASN
2	H	378	HIS
2	H	417	HIS
2	H	455	GLN
2	H	494	ASN
2	H	497	ASN
2	H	601	HIS
2	H	611	ASN
2	H	633	ASN
2	H	647	ASN
2	H	648	ASN
2	H	710	GLN
9	K	23	ASN
9	K	35	GLN
10	L	16	HIS
10	L	75	ASN
10	L	102	GLN
4	O	63	GLN
4	O	106	ASN
4	O	122	ASN
6	Q	23	ASN
10	U	16	HIS
10	U	75	ASN
10	U	141	ASN
12	X	23	ASN
1	Y	79	HIS
1	Y	115	GLN
1	Y	123	GLN

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Mol	Chain	Res	Type
1	Y	179	HIS
1	Y	198	ASN
1	Y	301	HIS
1	Y	323	HIS
1	Y	359	ASN
1	Y	372	GLN
1	Y	461	HIS
1	Y	483	GLN
1	Y	488	GLN
1	Y	504	ASN
1	Y	547	HIS
1	Y	641	GLN
1	Y	660	GLN
1	Y	680	HIS
1	Y	726	GLN
2	Z	52	HIS
2	Z	131	ASN
2	Z	136	GLN
2	Z	155	HIS
2	Z	192	HIS
2	Z	241	HIS
2	Z	298	HIS
2	Z	331	ASN
2	Z	353	GLN
2	Z	366	GLN
2	Z	455	GLN
2	Z	470	HIS
2	Z	494	ASN
2	Z	647	ASN
2	Z	710	GLN
4	b	6	GLN
4	b	78	ASN
4	b	95	HIS
4	b	121	GLN
5	c	18	ASN
8	f	39	HIS
10	h	33	ASN
10	h	119	GLN
10	h	141	ASN
11	i	7	GLN

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 381 ligands modelled in this entry, 3 are monoatomic - leaving 378 for Mogul analysis.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
14	CLA	Z	830	2	69,73,73	2.19	20 (28%)	82,113,113	2.41	26 (31%)
14	CLA	B	801	-	69,73,73	2.17	20 (28%)	82,113,113	2.48	26 (31%)
14	CLA	A	825	-	69,73,73	2.28	22 (31%)	82,113,113	2.57	27 (32%)
14	CLA	Z	801	-	69,73,73	2.22	21 (30%)	82,113,113	2.39	25 (30%)
17	BCR	A	846	-	41,41,41	2.47	6 (14%)	56,56,56	7.18	26 (46%)
14	CLA	T	103	-	49,53,73	2.61	21 (42%)	58,89,113	2.76	20 (34%)
17	BCR	B	846	-	25,25,41	2.15	2 (8%)	33,33,56	8.09	15 (45%)
14	CLA	G	827	1	69,73,73	2.25	20 (28%)	82,113,113	2.27	29 (35%)
14	CLA	Y	832	1	69,73,73	2.24	23 (33%)	82,113,113	2.54	29 (35%)
14	CLA	G	825	-	69,73,73	2.22	21 (30%)	82,113,113	2.45	28 (34%)
14	CLA	H	838	2	69,73,73	2.23	20 (28%)	82,113,113	2.58	29 (35%)
14	CLA	d	202	-	49,53,73	2.58	20 (40%)	58,89,113	2.61	23 (39%)
14	CLA	B	803	-	69,73,73	2.17	21 (30%)	82,113,113	2.42	29 (35%)
14	CLA	Y	809	1	69,73,73	2.26	22 (31%)	82,113,113	2.37	26 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	Q	201	2	69,73,73	2.18	21 (30%)	82,113,113	2.57	25 (30%)
14	CLA	J	101	8	49,53,73	2.57	19 (38%)	58,89,113	2.78	23 (39%)
14	CLA	G	803	-	69,73,73	2.23	20 (28%)	82,113,113	2.43	31 (37%)
14	CLA	A	840	1	69,73,73	2.29	23 (33%)	82,113,113	2.38	24 (29%)
17	BCR	Y	851	-	41,41,41	2.72	6 (14%)	56,56,56	7.47	29 (51%)
14	CLA	B	802	1	69,73,73	2.21	21 (30%)	82,113,113	2.42	28 (34%)
14	CLA	A	839	-	54,58,73	2.57	22 (40%)	64,95,113	2.57	25 (39%)
14	CLA	A	827	-	69,73,73	2.25	23 (33%)	82,113,113	2.33	27 (32%)
14	CLA	G	819	-	69,73,73	2.28	22 (31%)	82,113,113	2.53	27 (32%)
17	BCR	R	101	-	41,41,41	2.54	6 (14%)	56,56,56	7.63	24 (42%)
14	CLA	B	827	2	69,73,73	2.23	22 (31%)	82,113,113	2.47	28 (34%)
14	CLA	Y	817	1	64,68,73	2.41	23 (35%)	76,107,113	2.36	25 (32%)
14	CLA	Z	839	2	69,73,73	2.31	23 (33%)	82,113,113	2.56	26 (31%)
17	BCR	B	847	-	41,41,41	2.65	6 (14%)	56,56,56	7.15	25 (44%)
14	CLA	G	815	1	54,58,73	2.51	22 (40%)	64,95,113	3.03	29 (45%)
14	CLA	H	801	-	69,73,73	2.30	21 (30%)	82,113,113	2.57	27 (32%)
13	CL0	G	801	1	69,73,73	2.43	21 (30%)	82,113,113	2.64	29 (35%)
17	BCR	Z	843	-	41,41,41	2.44	6 (14%)	56,56,56	7.46	29 (51%)
17	BCR	G	850	-	41,41,41	2.52	6 (14%)	56,56,56	7.47	28 (50%)
14	CLA	Z	803	-	58,62,73	2.45	22 (37%)	68,99,113	2.83	28 (41%)
16	SF4	G	845	2,1	0,12,12	-	-	-		
14	CLA	H	828	2	69,73,73	2.26	21 (30%)	82,113,113	2.61	28 (34%)
17	BCR	A	847	-	41,41,41	2.53	6 (14%)	56,56,56	7.24	26 (46%)
17	BCR	H	848	-	41,41,41	2.58	6 (14%)	56,56,56	7.19	28 (50%)
14	CLA	A	816	-	54,58,73	2.61	22 (40%)	64,95,113	2.72	24 (37%)
14	CLA	T	101	-	45,49,73	2.53	19 (42%)	54,83,113	2.79	22 (40%)
17	BCR	Z	844	-	25,25,41	2.25	2 (8%)	33,33,56	8.00	20 (60%)
14	CLA	h	207	-	69,73,73	2.30	22 (31%)	82,113,113	2.44	27 (32%)
18	LHG	B	850	-	38,38,48	1.10	2 (5%)	41,44,54	1.30	4 (9%)
14	CLA	B	815	-	49,53,73	2.50	19 (38%)	58,89,113	2.80	27 (46%)
14	CLA	h	201	1	69,73,73	2.24	22 (31%)	82,113,113	2.32	26 (31%)
17	BCR	f	105	-	41,41,41	2.56	6 (14%)	56,56,56	7.20	26 (46%)
14	CLA	Z	811	2	69,73,73	2.21	21 (30%)	82,113,113	2.41	27 (32%)
14	CLA	Z	809	2	59,63,73	2.46	22 (37%)	70,101,113	2.60	27 (38%)
17	BCR	B	844	-	41,41,41	2.61	6 (14%)	56,56,56	7.46	25 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	Y	804	14,1	63,67,73	2.36	21 (33%)	74,105,113	2.81	27 (36%)
14	CLA	B	836	-	49,53,73	2.55	21 (42%)	58,89,113	2.94	27 (46%)
14	CLA	G	836	-	54,58,73	2.58	22 (40%)	64,95,113	2.70	24 (37%)
14	CLA	Z	820	-	59,63,73	2.49	21 (35%)	70,101,113	2.40	28 (40%)
17	BCR	A	848	-	41,41,41	2.41	6 (14%)	56,56,56	7.21	22 (39%)
14	CLA	H	807	-	69,73,73	2.31	22 (31%)	82,113,113	2.59	30 (36%)
14	CLA	Y	837	-	54,58,73	2.54	22 (40%)	64,95,113	2.74	25 (39%)
17	BCR	f	103	-	41,41,41	2.41	6 (14%)	56,56,56	7.33	28 (50%)
14	CLA	Y	843	18	54,58,73	2.62	22 (40%)	64,95,113	2.89	28 (43%)
14	CLA	Y	841	1	69,73,73	2.24	22 (31%)	82,113,113	2.31	21 (25%)
14	CLA	Y	802	-	69,73,73	2.16	20 (28%)	82,113,113	2.38	27 (32%)
17	BCR	F	203	-	41,41,41	2.53	7 (17%)	56,56,56	7.26	29 (51%)
14	CLA	B	812	2	54,58,73	2.56	22 (40%)	64,95,113	2.75	27 (42%)
17	BCR	U	1005	-	41,41,41	2.55	7 (17%)	56,56,56	7.04	21 (37%)
13	CL0	Y	801	1	69,73,73	2.31	20 (28%)	82,113,113	2.50	25 (30%)
14	CLA	A	836	1	54,58,73	2.62	22 (40%)	64,95,113	2.67	24 (37%)
16	SF4	a	102	3	0,12,12	-	-	-		
14	CLA	Y	835	1	59,63,73	2.54	23 (38%)	70,101,113	2.57	24 (34%)
14	CLA	Y	810	1	49,53,73	2.53	22 (44%)	58,89,113	2.81	21 (36%)
14	CLA	Y	814	1	59,63,73	2.49	23 (38%)	70,101,113	2.62	25 (35%)
14	CLA	G	853	2	49,53,73	2.60	22 (44%)	58,89,113	2.61	22 (37%)
18	LHG	A	850	-	48,48,48	1.00	2 (4%)	51,54,54	1.06	3 (5%)
17	BCR	T	102	-	41,41,41	2.35	6 (14%)	56,56,56	7.54	23 (41%)
14	CLA	H	822	-	64,68,73	2.27	17 (26%)	76,107,113	2.66	26 (34%)
14	CLA	Y	834	1	69,73,73	2.22	22 (31%)	82,113,113	2.45	32 (39%)
17	BCR	Q	202	-	41,41,41	2.58	6 (14%)	56,56,56	6.90	27 (48%)
14	CLA	G	818	1	69,73,73	2.28	22 (31%)	82,113,113	2.49	29 (35%)
14	CLA	g	102	-	49,53,73	2.58	20 (40%)	58,89,113	2.74	24 (41%)
14	CLA	Z	828	2	49,53,73	2.50	21 (42%)	58,89,113	2.72	25 (43%)
17	BCR	B	845	-	41,41,41	2.55	6 (14%)	56,56,56	7.20	27 (48%)
14	CLA	A	818	-	69,73,73	2.28	23 (33%)	82,113,113	2.51	29 (35%)
17	BCR	A	849	-	41,41,41	2.51	6 (14%)	56,56,56	7.51	26 (46%)
14	CLA	B	828	-	69,73,73	2.25	22 (31%)	82,113,113	2.43	28 (34%)
14	CLA	H	819	2	49,53,73	2.50	20 (40%)	58,89,113	2.93	23 (39%)
14	CLA	Z	812	2	69,73,73	2.40	21 (30%)	82,113,113	2.27	24 (29%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	811	2	49,53,73	2.56	21 (42%)	58,89,113	2.71	25 (43%)
14	CLA	B	813	2	69,73,73	2.25	22 (31%)	82,113,113	2.57	28 (34%)
14	CLA	G	828	-	69,73,73	2.20	20 (28%)	82,113,113	2.42	29 (35%)
14	CLA	A	803	1	69,73,73	2.26	23 (33%)	82,113,113	2.58	27 (32%)
14	CLA	A	807	-	55,59,73	2.51	23 (41%)	64,96,113	2.84	25 (39%)
14	CLA	Z	802	-	69,73,73	2.25	21 (30%)	82,113,113	2.41	27 (32%)
14	CLA	J	102	8	59,63,73	2.52	22 (37%)	70,101,113	2.70	27 (38%)
17	BCR	G	848	-	41,41,41	2.54	7 (17%)	56,56,56	7.37	30 (53%)
14	CLA	Z	810	2	49,53,73	2.51	18 (36%)	58,89,113	2.70	25 (43%)
17	BCR	L	209	-	41,41,41	2.56	6 (14%)	56,56,56	7.24	26 (46%)
14	CLA	Y	820	1	64,68,73	2.30	21 (32%)	76,107,113	2.45	24 (31%)
14	CLA	U	1004	-	69,73,73	2.21	21 (30%)	82,113,113	2.50	21 (25%)
18	LHG	H	847	-	36,36,48	1.11	2 (5%)	39,42,54	0.93	3 (7%)
14	CLA	W	1701	12	49,53,73	2.53	22 (44%)	58,89,113	2.75	22 (37%)
14	CLA	Z	835	-	64,68,73	2.32	22 (34%)	76,107,113	2.41	24 (31%)
14	CLA	A	810	-	49,53,73	2.57	21 (42%)	58,89,113	2.71	22 (37%)
14	CLA	A	813	1	64,68,73	2.32	22 (34%)	76,107,113	2.50	26 (34%)
14	CLA	B	821	2	49,53,73	2.55	21 (42%)	58,89,113	2.87	25 (43%)
14	CLA	G	807	1	55,59,73	2.56	22 (40%)	64,96,113	2.83	27 (42%)
14	CLA	Z	814	-	59,63,73	2.45	21 (35%)	70,101,113	2.72	27 (38%)
14	CLA	Z	834	-	49,53,73	2.58	23 (46%)	58,89,113	2.94	26 (44%)
14	CLA	U	1006	2	69,73,73	2.28	21 (30%)	82,113,113	2.59	33 (40%)
14	CLA	H	806	-	69,73,73	2.26	21 (30%)	82,113,113	2.35	23 (28%)
14	CLA	Z	826	-	69,73,73	2.20	20 (28%)	82,113,113	2.38	23 (28%)
14	CLA	Y	830	1	69,73,73	2.26	20 (28%)	82,113,113	2.55	28 (34%)
14	CLA	B	825	-	69,73,73	2.30	21 (30%)	82,113,113	2.55	28 (34%)
14	CLA	Z	804	2	69,73,73	2.21	22 (31%)	82,113,113	2.52	30 (36%)
14	CLA	G	822	1	69,73,73	2.23	21 (30%)	82,113,113	2.67	27 (32%)
14	CLA	Y	838	1	69,73,73	2.26	20 (28%)	82,113,113	2.45	26 (31%)
19	LMG	B	849	-	52,52,55	1.39	7 (13%)	60,60,63	1.00	3 (5%)
14	CLA	B	830	2	49,53,73	2.46	21 (42%)	58,89,113	2.99	27 (46%)
17	BCR	f	104	-	41,41,41	2.72	7 (17%)	56,56,56	7.09	28 (50%)
14	CLA	Z	816	2	64,68,73	2.34	22 (34%)	76,107,113	2.49	28 (36%)
19	LMG	H	846	-	49,49,55	1.46	7 (14%)	57,57,63	1.18	5 (8%)
14	CLA	A	833	1	69,73,73	2.27	20 (28%)	82,113,113	2.44	32 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	Z	825	2	69,73,73	2.25	22 (31%)	82,113,113	2.34	25 (30%)
17	BCR	Y	849	-	41,41,41	2.56	6 (14%)	56,56,56	7.35	25 (44%)
14	CLA	Y	842	-	69,73,73	2.24	20 (28%)	82,113,113	2.44	26 (31%)
17	BCR	M	101	-	41,41,41	2.63	6 (14%)	56,56,56	7.28	26 (46%)
14	CLA	Z	808	2	69,73,73	2.20	20 (28%)	82,113,113	2.35	23 (28%)
14	CLA	G	843	18	54,58,73	2.58	22 (40%)	64,95,113	2.74	29 (45%)
14	CLA	G	824	1	64,68,73	2.33	21 (32%)	76,107,113	2.43	25 (32%)
14	CLA	B	839	2	49,53,73	2.60	20 (40%)	58,89,113	2.68	22 (37%)
14	CLA	B	822	-	59,63,73	2.47	21 (35%)	70,101,113	2.61	28 (40%)
14	CLA	B	808	2	69,73,73	2.21	21 (30%)	82,113,113	2.45	29 (35%)
14	CLA	H	832	-	49,53,73	2.60	21 (42%)	58,89,113	2.77	23 (39%)
18	LHG	Y	852	-	48,48,48	1.01	2 (4%)	51,54,54	1.01	2 (3%)
14	CLA	Y	803	1	69,73,73	2.34	21 (30%)	82,113,113	2.47	28 (34%)
17	BCR	H	840	-	41,41,41	2.64	6 (14%)	56,56,56	7.27	21 (37%)
17	BCR	B	843	-	30,30,41	3.16	6 (20%)	39,39,56	8.30	18 (46%)
15	PQN	G	844	-	34,34,34	1.56	2 (5%)	43,45,45	1.27	6 (13%)
17	BCR	G	846	-	41,41,41	2.61	6 (14%)	56,56,56	7.40	29 (51%)
14	CLA	Y	811	14,1	69,73,73	2.30	20 (28%)	82,113,113	2.41	25 (30%)
17	BCR	G	854	-	41,41,41	2.71	6 (14%)	56,56,56	7.28	27 (48%)
14	CLA	H	825	2	69,73,73	2.27	23 (33%)	82,113,113	2.38	27 (32%)
14	CLA	Y	828	-	69,73,73	2.18	22 (31%)	82,113,113	2.31	27 (32%)
16	SF4	A	844	2,1	0,12,12	-	-	-		
14	CLA	L	205	10	69,73,73	2.32	22 (31%)	82,113,113	2.31	25 (30%)
14	CLA	A	812	1	58,62,73	2.49	22 (37%)	68,99,113	2.54	25 (36%)
17	BCR	H	845	-	41,41,41	2.61	7 (17%)	56,56,56	7.25	26 (46%)
18	LHG	Y	853	14	24,24,48	1.53	2 (8%)	27,30,54	1.65	4 (14%)
14	CLA	A	822	-	69,73,73	2.29	22 (31%)	82,113,113	2.63	26 (31%)
14	CLA	L	207	-	69,73,73	2.26	23 (33%)	82,113,113	2.39	26 (31%)
14	CLA	B	811	2	59,63,73	2.41	21 (35%)	70,101,113	2.60	29 (41%)
14	CLA	A	806	1	69,73,73	2.26	24 (34%)	82,113,113	2.49	26 (31%)
17	BCR	Y	848	-	41,41,41	2.43	6 (14%)	56,56,56	7.36	29 (51%)
14	CLA	B	824	2	59,63,73	2.44	21 (35%)	70,101,113	2.58	27 (38%)
14	CLA	G	811	1	69,73,73	2.31	21 (30%)	82,113,113	2.34	23 (28%)
17	BCR	Q	204	-	41,41,41	2.55	7 (17%)	56,56,56	7.27	28 (50%)
14	CLA	H	835	2	69,73,73	2.22	22 (31%)	82,113,113	2.51	25 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
17	BCR	Z	842	-	41,41,41	2.54	7 (17%)	56,56,56	7.19	27 (48%)
14	CLA	Z	831	2	59,63,73	2.38	20 (33%)	70,101,113	2.57	29 (41%)
14	CLA	Y	836	1	49,53,73	2.57	20 (40%)	58,89,113	2.83	24 (41%)
14	CLA	Z	827	2	69,73,73	2.19	21 (30%)	82,113,113	2.57	25 (30%)
14	CLA	U	1003	10	69,73,73	2.28	22 (31%)	82,113,113	2.40	23 (28%)
14	CLA	Z	806	-	69,73,73	2.24	21 (30%)	82,113,113	2.53	26 (31%)
14	CLA	L	206	10	69,73,73	2.31	20 (28%)	82,113,113	2.41	25 (30%)
17	BCR	G	847	-	41,41,41	2.59	6 (14%)	56,56,56	7.12	26 (46%)
14	CLA	Y	821	-	69,73,73	2.34	22 (31%)	82,113,113	2.26	24 (29%)
17	BCR	B	851	-	41,41,41	2.58	6 (14%)	56,56,56	7.22	28 (50%)
18	LHG	j	101	-	27,27,48	1.28	2 (7%)	30,33,54	1.38	4 (13%)
17	BCR	J	104	-	41,41,41	2.68	6 (14%)	56,56,56	7.22	27 (48%)
14	CLA	G	832	1	69,73,73	2.21	20 (28%)	82,113,113	2.41	27 (32%)
14	CLA	Z	819	-	49,53,73	2.58	20 (40%)	58,89,113	2.90	25 (43%)
14	CLA	V	1201	2	58,62,73	2.49	20 (34%)	68,99,113	2.60	24 (35%)
16	SF4	a	101	3	0,12,12	-	-	-		
17	BCR	Y	856	-	41,41,41	2.57	7 (17%)	56,56,56	7.14	32 (57%)
14	CLA	H	829	2	49,53,73	2.52	20 (40%)	58,89,113	2.82	24 (41%)
14	CLA	f	101	8	49,53,73	2.61	23 (46%)	58,89,113	2.75	23 (39%)
14	CLA	h	206	10	69,73,73	2.29	22 (31%)	82,113,113	2.71	28 (34%)
14	CLA	B	823	-	64,68,73	2.39	22 (34%)	76,107,113	2.36	23 (30%)
14	CLA	B	814	2	69,73,73	2.34	24 (34%)	82,113,113	2.36	28 (34%)
14	CLA	G	805	-	69,73,73	2.16	21 (30%)	82,113,113	2.56	27 (32%)
14	CLA	S	1103	8	59,63,73	2.45	22 (37%)	70,101,113	2.74	27 (38%)
14	CLA	Z	815	2	69,73,73	2.22	23 (33%)	82,113,113	2.48	25 (30%)
14	CLA	Z	821	2	64,68,73	2.40	21 (32%)	76,107,113	2.40	28 (36%)
14	CLA	H	817	2	64,68,73	2.32	23 (35%)	76,107,113	2.55	26 (34%)
17	BCR	h	202	-	41,41,41	2.38	8 (19%)	56,56,56	7.44	28 (50%)
14	CLA	G	833	1	69,73,73	2.26	21 (30%)	82,113,113	2.47	27 (32%)
14	CLA	A	823	-	54,58,73	2.57	22 (40%)	64,95,113	2.78	27 (42%)
14	CLA	A	824	-	64,68,73	2.38	23 (35%)	76,107,113	2.48	29 (38%)
14	CLA	A	852	-	69,73,73	2.25	21 (30%)	82,113,113	2.52	28 (34%)
14	CLA	B	810	2	69,73,73	2.28	22 (31%)	82,113,113	2.72	30 (36%)
14	CLA	Y	826	-	64,68,73	2.33	23 (35%)	76,107,113	2.59	28 (36%)
18	LHG	A	851	14	31,31,48	1.19	2 (6%)	34,37,54	1.22	4 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	823	-	54,58,73	2.53	21 (38%)	64,95,113	2.81	27 (42%)
14	CLA	H	805	2	69,73,73	2.26	20 (28%)	82,113,113	2.38	26 (31%)
14	CLA	A	828	1	69,73,73	2.24	22 (31%)	82,113,113	2.38	25 (30%)
14	CLA	H	823	2	59,63,73	2.51	23 (38%)	70,101,113	2.62	27 (38%)
14	CLA	Y	813	1	64,68,73	2.32	23 (35%)	76,107,113	2.40	26 (34%)
14	CLA	Z	823	-	69,73,73	2.31	22 (31%)	82,113,113	2.63	30 (36%)
14	CLA	Z	817	-	64,68,73	2.38	22 (34%)	76,107,113	2.36	27 (35%)
14	CLA	B	835	-	49,53,73	2.59	21 (42%)	58,89,113	2.73	25 (43%)
17	BCR	F	201	-	41,41,41	2.58	6 (14%)	56,56,56	7.03	22 (39%)
18	LHG	G	851	-	48,48,48	0.93	2 (4%)	51,54,54	1.12	3 (5%)
14	CLA	Z	807	2	69,73,73	2.26	20 (28%)	82,113,113	2.57	28 (34%)
14	CLA	G	840	-	54,58,73	2.60	19 (35%)	64,95,113	2.52	24 (37%)
14	CLA	G	816	-	54,58,73	2.58	22 (40%)	64,95,113	2.75	25 (39%)
14	CLA	G	835	1	49,53,73	2.55	21 (42%)	58,89,113	2.81	25 (43%)
14	CLA	Y	819	-	69,73,73	2.25	22 (31%)	82,113,113	2.51	25 (30%)
14	CLA	B	834	2	49,53,73	2.62	23 (46%)	58,89,113	3.11	27 (46%)
14	CLA	B	807	2	69,73,73	2.21	22 (31%)	82,113,113	2.42	28 (34%)
17	BCR	R	102	-	41,41,41	2.75	6 (14%)	56,56,56	7.07	23 (41%)
14	CLA	G	841	1	69,73,73	2.31	22 (31%)	82,113,113	2.39	25 (30%)
14	CLA	H	804	2	69,73,73	2.31	21 (30%)	82,113,113	2.40	27 (32%)
14	CLA	A	805	-	69,73,73	2.20	22 (31%)	82,113,113	2.40	25 (30%)
14	CLA	Z	813	2	49,53,73	2.58	22 (44%)	58,89,113	2.94	26 (44%)
14	CLA	B	826	-	69,73,73	2.25	21 (30%)	82,113,113	2.46	32 (39%)
14	CLA	Y	815	1	54,58,73	2.58	21 (38%)	64,95,113	2.88	27 (42%)
17	BCR	H	842	-	41,41,41	2.56	6 (14%)	56,56,56	7.28	24 (42%)
17	BCR	U	1008	-	41,41,41	2.42	6 (14%)	56,56,56	7.32	27 (48%)
14	CLA	Y	808	1	69,73,73	2.25	21 (30%)	82,113,113	2.51	28 (34%)
14	CLA	H	837	-	69,73,73	2.29	23 (33%)	82,113,113	2.19	28 (34%)
14	CLA	Z	837	2	49,53,73	2.55	21 (42%)	58,89,113	2.96	24 (41%)
14	CLA	L	202	2	69,73,73	2.21	21 (30%)	82,113,113	2.71	31 (37%)
17	BCR	Y	847	-	41,41,41	2.53	6 (14%)	56,56,56	7.26	30 (53%)
14	CLA	A	821	-	69,73,73	2.29	21 (30%)	82,113,113	2.42	24 (29%)
14	CLA	B	829	2	69,73,73	2.21	21 (30%)	82,113,113	2.46	25 (30%)
14	CLA	Y	854	-	69,73,73	2.20	20 (28%)	82,113,113	2.50	29 (35%)
14	CLA	A	804	14,1	63,67,73	2.29	21 (33%)	74,105,113	2.72	26 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	B	816	2	59,63,73	2.46	21 (35%)	70,101,113	2.50	25 (35%)
14	CLA	G	829	-	69,73,73	2.26	21 (30%)	82,113,113	2.31	29 (35%)
14	CLA	H	810	2	59,63,73	2.37	22 (37%)	70,101,113	2.65	22 (31%)
14	CLA	Y	827	1	69,73,73	2.33	23 (33%)	82,113,113	2.48	29 (35%)
14	CLA	B	805	-	58,62,73	2.47	24 (41%)	68,99,113	2.80	26 (38%)
14	CLA	A	832	1	69,73,73	2.27	23 (33%)	82,113,113	2.39	25 (30%)
19	LMG	Z	847	-	49,49,55	1.36	7 (14%)	57,57,63	1.26	5 (8%)
14	CLA	A	837	1	69,73,73	2.24	21 (30%)	82,113,113	2.52	28 (34%)
14	CLA	G	804	1	63,67,73	2.35	22 (34%)	74,105,113	2.58	24 (32%)
14	CLA	Y	840	1	69,73,73	2.27	22 (31%)	82,113,113	2.51	25 (30%)
14	CLA	G	817	1	64,68,73	2.41	22 (34%)	76,107,113	2.43	29 (38%)
14	CLA	A	829	-	69,73,73	2.23	22 (31%)	82,113,113	2.19	25 (30%)
14	CLA	G	838	-	54,58,73	2.57	22 (40%)	64,95,113	2.76	26 (40%)
14	CLA	G	830	1	69,73,73	2.25	21 (30%)	82,113,113	2.37	22 (26%)
16	SF4	N	102	3,21	0,12,12	-	-	-		
14	CLA	H	834	-	64,68,73	2.23	21 (32%)	76,107,113	2.54	27 (35%)
15	PQN	Z	840	-	34,34,34	1.69	2 (5%)	43,45,45	1.12	5 (11%)
16	SF4	C	101	3,21	0,12,12	-	-	-		
14	CLA	H	831	-	49,53,73	2.60	22 (44%)	58,89,113	2.84	23 (39%)
17	BCR	V	1202	-	41,41,41	2.56	7 (17%)	56,56,56	7.42	30 (53%)
17	BCR	d	203	-	41,41,41	2.48	6 (14%)	56,56,56	7.14	27 (48%)
14	CLA	U	1002	10	69,73,73	2.24	22 (31%)	82,113,113	2.61	30 (36%)
14	CLA	H	812	2	69,73,73	2.28	21 (30%)	82,113,113	2.38	23 (28%)
14	CLA	B	817	-	69,73,73	2.19	22 (31%)	82,113,113	2.45	28 (34%)
14	CLA	H	820	2	49,53,73	2.59	22 (44%)	58,89,113	2.92	27 (46%)
14	CLA	h	205	10	69,73,73	2.30	21 (30%)	82,113,113	2.49	27 (32%)
17	BCR	L	208	-	41,41,41	2.80	6 (14%)	56,56,56	7.06	24 (42%)
17	BCR	A	845	-	41,41,41	2.41	6 (14%)	56,56,56	7.30	28 (50%)
14	CLA	B	806	2	69,73,73	2.17	21 (30%)	82,113,113	2.65	24 (29%)
14	CLA	S	1101	1	69,73,73	2.24	21 (30%)	82,113,113	2.54	25 (30%)
14	CLA	Y	816	-	54,58,73	2.50	21 (38%)	64,95,113	2.84	27 (42%)
14	CLA	B	833	2	59,63,73	2.39	23 (38%)	70,101,113	2.73	29 (41%)
14	CLA	H	830	2	59,63,73	2.42	21 (35%)	70,101,113	2.48	25 (35%)
14	CLA	A	817	1	64,68,73	2.32	22 (34%)	76,107,113	2.53	29 (38%)
15	PQN	A	843	-	34,34,34	1.63	2 (5%)	43,45,45	1.12	4 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	B	838	2	69,73,73	2.20	21 (30%)	82,113,113	2.55	28 (34%)
18	LHG	G	852	14	31,31,48	1.26	2 (6%)	34,37,54	1.33	4 (11%)
14	CLA	A	841	-	69,73,73	2.27	21 (30%)	82,113,113	2.37	29 (35%)
14	CLA	A	802	-	69,73,73	2.22	22 (31%)	82,113,113	2.57	34 (41%)
14	CLA	H	824	-	69,73,73	2.25	24 (34%)	82,113,113	2.78	34 (41%)
15	PQN	Y	844	-	34,34,34	1.85	2 (5%)	43,45,45	0.84	1 (2%)
14	CLA	B	831	2	49,53,73	2.57	21 (42%)	58,89,113	2.81	25 (43%)
14	CLA	Z	824	-	69,73,73	2.22	21 (30%)	82,113,113	2.35	28 (34%)
14	CLA	B	840	-	69,73,73	2.28	23 (33%)	82,113,113	2.38	28 (34%)
16	SF4	Y	845	2,1	0,12,12	-	-	-		
14	CLA	G	831	1	54,58,73	2.49	21 (38%)	64,95,113	2.77	26 (40%)
14	CLA	G	806	1	69,73,73	2.20	22 (31%)	82,113,113	2.50	24 (29%)
14	CLA	A	835	1	49,53,73	2.58	22 (44%)	58,89,113	2.79	26 (44%)
17	BCR	H	843	-	25,25,41	2.01	2 (8%)	33,33,56	8.21	17 (51%)
14	CLA	H	813	2	69,73,73	2.28	20 (28%)	82,113,113	2.40	26 (31%)
14	CLA	f	102	8	59,63,73	2.49	21 (35%)	70,101,113	2.62	29 (41%)
14	CLA	A	838	1	54,58,73	2.44	21 (38%)	64,95,113	2.76	23 (35%)
14	CLA	j	102	12	49,53,73	2.55	20 (40%)	58,89,113	2.74	22 (37%)
14	CLA	H	818	-	64,68,73	2.40	22 (34%)	76,107,113	2.49	26 (34%)
14	CLA	d	201	-	54,58,73	2.59	20 (37%)	64,95,113	2.76	27 (42%)
14	CLA	B	841	2	69,73,73	2.18	21 (30%)	82,113,113	2.73	32 (39%)
14	CLA	H	816	-	69,73,73	2.21	23 (33%)	82,113,113	2.62	31 (37%)
14	CLA	Y	829	-	69,73,73	2.31	22 (31%)	82,113,113	2.32	22 (26%)
14	CLA	G	821	-	69,73,73	2.28	23 (33%)	82,113,113	2.37	27 (32%)
14	CLA	Y	823	1	54,58,73	2.61	22 (40%)	64,95,113	2.62	27 (42%)
14	CLA	Z	832	-	49,53,73	2.68	23 (46%)	58,89,113	2.85	26 (44%)
17	BCR	Z	841	-	41,41,41	2.70	6 (14%)	56,56,56	7.28	26 (46%)
14	CLA	G	809	1	69,73,73	2.20	22 (31%)	82,113,113	2.46	28 (34%)
14	CLA	H	809	2	69,73,73	2.22	21 (30%)	82,113,113	2.55	29 (35%)
17	BCR	H	844	-	41,41,41	2.56	6 (14%)	56,56,56	7.19	29 (51%)
14	CLA	B	832	2	69,73,73	2.19	21 (30%)	82,113,113	2.56	23 (28%)
17	BCR	B	848	-	41,41,41	2.58	7 (17%)	56,56,56	7.02	29 (51%)
14	CLA	A	815	1	54,58,73	2.53	22 (40%)	64,95,113	3.01	26 (40%)
17	BCR	Z	846	-	41,41,41	2.52	7 (17%)	56,56,56	7.20	22 (39%)
14	CLA	B	809	2	69,73,73	2.22	20 (28%)	82,113,113	2.56	26 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	814	-	49,53,73	2.57	22 (44%)	58,89,113	2.93	30 (51%)
17	BCR	Y	850	-	41,41,41	2.53	6 (14%)	56,56,56	7.26	25 (44%)
14	CLA	B	820	2	49,53,73	2.57	22 (44%)	58,89,113	2.77	24 (41%)
14	CLA	H	821	-	59,63,73	2.49	24 (40%)	70,101,113	2.65	25 (35%)
14	CLA	A	826	-	64,68,73	2.31	22 (34%)	76,107,113	2.54	24 (31%)
14	CLA	G	812	-	58,62,73	2.50	21 (36%)	68,99,113	2.53	23 (33%)
14	CLA	G	839	1	69,73,73	2.26	23 (33%)	82,113,113	2.56	30 (36%)
14	CLA	G	820	1	64,68,73	2.37	22 (34%)	76,107,113	2.53	26 (34%)
14	CLA	H	803	-	69,73,73	2.20	22 (31%)	82,113,113	2.48	26 (31%)
14	CLA	Y	855	-	69,73,73	2.19	20 (28%)	82,113,113	2.33	27 (32%)
14	CLA	Z	829	2	49,53,73	2.58	23 (46%)	58,89,113	2.94	28 (48%)
14	CLA	A	830	1	69,73,73	2.26	23 (33%)	82,113,113	2.46	26 (31%)
14	CLA	g	101	-	45,49,73	2.57	17 (37%)	54,83,113	2.69	23 (42%)
14	CLA	X	1701	12	49,53,73	2.59	22 (44%)	58,89,113	2.79	23 (39%)
14	CLA	A	834	1	59,63,73	2.47	23 (38%)	70,101,113	2.53	28 (40%)
14	CLA	A	809	1	69,73,73	2.24	21 (30%)	82,113,113	2.54	25 (30%)
17	BCR	J	103	-	41,41,41	2.45	6 (14%)	56,56,56	7.02	29 (51%)
14	CLA	H	836	2	49,53,73	2.54	23 (46%)	58,89,113	3.04	27 (46%)
14	CLA	G	802	-	69,73,73	2.25	21 (30%)	82,113,113	2.47	25 (30%)
17	BCR	K	102	-	41,41,41	2.58	6 (14%)	56,56,56	7.35	24 (42%)
14	CLA	H	802	2	69,73,73	2.25	19 (27%)	82,113,113	2.32	28 (34%)
14	CLA	Y	807	1	55,59,73	2.59	24 (43%)	64,96,113	2.80	25 (39%)
17	BCR	L	203	-	41,41,41	2.71	6 (14%)	56,56,56	7.11	28 (50%)
14	CLA	G	837	1	69,73,73	2.22	21 (30%)	82,113,113	2.51	26 (31%)
16	SF4	C	102	3	0,12,12	-	-	-		
14	CLA	G	813	1	64,68,73	2.28	23 (35%)	76,107,113	2.66	29 (38%)
14	CLA	Y	812	1	59,63,73	2.40	20 (33%)	70,101,113	2.63	29 (41%)
14	CLA	Y	833	1	69,73,73	2.27	22 (31%)	82,113,113	2.44	26 (31%)
14	CLA	B	818	2	64,68,73	2.30	23 (35%)	76,107,113	2.51	27 (35%)
14	CLA	Y	839	-	54,58,73	2.57	23 (42%)	64,95,113	2.87	27 (42%)
14	CLA	Y	822	1	69,73,73	2.30	22 (31%)	82,113,113	2.52	24 (29%)
17	BCR	G	849	-	41,41,41	2.60	6 (14%)	56,56,56	7.10	26 (46%)
14	CLA	Z	836	2	69,73,73	2.21	21 (30%)	82,113,113	2.44	26 (31%)
14	CLA	G	810	1	49,53,73	2.56	22 (44%)	58,89,113	2.83	25 (43%)
14	CLA	F	202	-	49,53,73	2.54	19 (38%)	58,89,113	2.70	25 (43%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	B	819	-	64,68,73	2.34	24 (37%)	76,107,113	2.49	30 (39%)
17	BCR	i	101	-	41,41,41	2.63	7 (17%)	56,56,56	7.75	32 (57%)
14	CLA	A	820	1	64,68,73	2.35	24 (37%)	76,107,113	2.54	26 (34%)
14	CLA	A	831	1	54,58,73	2.50	21 (38%)	64,95,113	2.69	26 (40%)
14	CLA	Y	805	-	69,73,73	2.17	21 (30%)	82,113,113	2.58	31 (37%)
14	CLA	A	814	1	54,58,73	2.54	22 (40%)	64,95,113	2.82	27 (42%)
14	CLA	Z	838	-	69,73,73	2.25	22 (31%)	82,113,113	2.40	26 (31%)
14	CLA	G	842	-	69,73,73	2.21	21 (30%)	82,113,113	2.22	25 (30%)
14	CLA	Y	818	-	69,73,73	2.31	22 (31%)	82,113,113	2.60	29 (35%)
14	CLA	B	837	2	64,68,73	2.30	22 (34%)	76,107,113	2.56	26 (34%)
14	CLA	Z	822	2	59,63,73	2.43	22 (37%)	70,101,113	2.69	30 (42%)
17	BCR	Y	846	-	41,41,41	2.38	6 (14%)	56,56,56	7.33	23 (41%)
14	CLA	S	1102	8	49,53,73	2.53	20 (40%)	58,89,113	2.66	21 (36%)
14	CLA	Z	833	-	49,53,73	2.61	19 (38%)	58,89,113	2.65	22 (37%)
14	CLA	G	814	1	54,58,73	2.56	21 (38%)	64,95,113	3.12	33 (51%)
14	CLA	G	834	1	59,63,73	2.44	22 (37%)	70,101,113	2.53	27 (38%)
14	CLA	Z	805	2	69,73,73	2.27	23 (33%)	82,113,113	2.49	28 (34%)
14	CLA	Q	203	-	49,53,73	2.50	21 (42%)	58,89,113	2.77	22 (37%)
14	CLA	K	103	-	49,53,73	2.52	20 (40%)	58,89,113	2.79	23 (39%)
16	SF4	N	101	3	0,12,12	-	-	-		
14	CLA	G	826	-	64,68,73	2.31	22 (34%)	76,107,113	2.63	26 (34%)
14	CLA	Z	818	2	49,53,73	2.57	20 (40%)	58,89,113	2.83	29 (50%)
14	CLA	A	819	-	69,73,73	2.20	23 (33%)	82,113,113	2.35	24 (29%)
17	BCR	e	101	-	41,41,41	2.56	6 (14%)	56,56,56	7.60	27 (48%)
14	CLA	A	811	14,1	69,73,73	2.25	22 (31%)	82,113,113	2.32	23 (28%)
14	CLA	H	833	-	49,53,73	2.54	20 (40%)	58,89,113	2.73	25 (43%)
14	CLA	K	101	-	45,49,73	2.58	19 (42%)	54,83,113	2.81	25 (46%)
14	CLA	Y	825	-	69,73,73	2.30	22 (31%)	82,113,113	2.41	24 (29%)
14	CLA	L	201	1	69,73,73	2.23	20 (28%)	82,113,113	2.56	31 (37%)
14	CLA	H	827	-	69,73,73	2.19	23 (33%)	82,113,113	2.54	28 (34%)
13	CL0	A	801	1	69,73,73	2.42	21 (30%)	82,113,113	2.42	23 (28%)
14	CLA	B	804	-	69,73,73	2.19	21 (30%)	82,113,113	2.43	26 (31%)
17	BCR	h	203	-	41,41,41	2.77	6 (14%)	56,56,56	7.21	27 (48%)
17	BCR	U	1007	-	41,41,41	2.63	6 (14%)	56,56,56	7.26	21 (37%)
17	BCR	Z	845	-	41,41,41	2.47	8 (19%)	56,56,56	7.41	29 (51%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	A	842	18	54,58,73	2.60	21 (38%)	64,95,113	2.99	24 (37%)
14	CLA	Y	806	1	69,73,73	2.24	19 (27%)	82,113,113	2.50	26 (31%)
15	PQN	B	842	-	34,34,34	1.56	3 (8%)	43,45,45	1.28	7 (16%)
15	PQN	H	839	-	34,34,34	1.64	2 (5%)	43,45,45	1.31	7 (16%)
17	BCR	S	1104	-	41,41,41	2.66	6 (14%)	56,56,56	7.35	28 (50%)
14	CLA	H	815	-	59,63,73	2.43	21 (35%)	70,101,113	2.74	26 (37%)
14	CLA	H	808	2	69,73,73	2.19	21 (30%)	82,113,113	2.51	27 (32%)
14	CLA	H	826	-	69,73,73	2.21	20 (28%)	82,113,113	2.47	28 (34%)
14	CLA	Y	824	1	64,68,73	2.39	23 (35%)	76,107,113	2.51	25 (32%)
14	CLA	G	808	1	69,73,73	2.25	22 (31%)	82,113,113	2.54	27 (32%)
14	CLA	Y	831	1	54,58,73	2.53	22 (40%)	64,95,113	2.81	29 (45%)
17	BCR	H	841	-	41,41,41	2.78	6 (14%)	56,56,56	7.10	26 (46%)
17	BCR	I	101	-	41,41,41	2.45	7 (17%)	56,56,56	7.45	26 (46%)
14	CLA	A	808	1	69,73,73	2.25	21 (30%)	82,113,113	2.54	25 (30%)

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
14	CLA	Z	830	2	-	12/39/115/115	-
14	CLA	B	801	-	-	20/39/115/115	-
14	CLA	A	825	-	-	15/39/115/115	-
14	CLA	Z	801	-	-	20/39/115/115	-
17	BCR	A	846	-	-	12/29/63/63	0/2/2/2
14	CLA	T	103	-	-	6/15/91/115	-
17	BCR	B	846	-	-	3/18/35/63	0/1/1/2
14	CLA	G	827	1	-	18/39/115/115	-
14	CLA	Y	832	1	-	22/39/115/115	-
14	CLA	G	825	-	-	17/39/115/115	-
14	CLA	H	838	2	-	15/39/115/115	-
14	CLA	d	202	-	-	2/15/91/115	-
14	CLA	B	803	-	-	14/39/115/115	-
14	CLA	Y	809	1	-	18/39/115/115	-
14	CLA	Q	201	2	-	20/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	J	101	8	-	5/15/91/115	-
14	CLA	G	803	-	-	12/39/115/115	-
14	CLA	A	840	1	-	15/39/115/115	-
17	BCR	Y	851	-	-	10/29/63/63	0/2/2/2
14	CLA	B	802	1	-	16/39/115/115	-
14	CLA	A	839	-	-	2/21/97/115	-
14	CLA	A	827	-	-	14/39/115/115	-
14	CLA	G	819	-	-	15/39/115/115	-
17	BCR	R	101	-	-	11/29/63/63	0/2/2/2
14	CLA	B	827	2	-	16/39/115/115	-
14	CLA	Y	817	1	-	11/33/109/115	-
14	CLA	Z	839	2	-	17/39/115/115	-
17	BCR	B	847	-	-	11/29/63/63	0/2/2/2
14	CLA	G	815	1	-	4/21/97/115	-
14	CLA	H	801	-	-	16/39/115/115	-
13	CL0	G	801	1	-	13/39/115/115	-
17	BCR	Z	843	-	-	7/29/63/63	0/2/2/2
17	BCR	G	850	-	-	9/29/63/63	0/2/2/2
14	CLA	Z	803	-	-	9/26/102/115	-
16	SF4	G	845	2,1	-	-	0/6/5/5
14	CLA	H	828	2	-	13/39/115/115	-
17	BCR	A	847	-	-	4/29/63/63	0/2/2/2
17	BCR	H	848	-	-	8/29/63/63	0/2/2/2
14	CLA	A	816	-	-	9/21/97/115	-
14	CLA	T	101	-	-	9/9/81/115	-
17	BCR	Z	844	-	-	8/18/35/63	0/1/1/2
14	CLA	h	207	-	-	15/39/115/115	-
18	LHG	B	850	-	-	24/43/43/53	-
14	CLA	B	815	-	-	2/15/91/115	-
14	CLA	h	201	1	-	12/39/115/115	-
17	BCR	f	105	-	-	6/29/63/63	0/2/2/2
14	CLA	Z	811	2	-	18/39/115/115	-
14	CLA	Z	809	2	-	12/27/103/115	-
17	BCR	B	844	-	-	8/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	804	14,1	-	15/32/108/115	-
14	CLA	B	836	-	-	6/15/91/115	-
14	CLA	G	836	-	-	8/21/97/115	-
14	CLA	Z	820	-	-	10/27/103/115	-
14	CLA	H	807	-	-	11/39/115/115	-
17	BCR	A	848	-	-	7/29/63/63	0/2/2/2
14	CLA	Y	837	-	-	5/21/97/115	-
17	BCR	f	103	-	-	8/29/63/63	0/2/2/2
14	CLA	Y	843	18	-	11/21/97/115	-
14	CLA	Y	841	1	-	14/39/115/115	-
14	CLA	Y	802	-	-	11/39/115/115	-
17	BCR	F	203	-	-	6/29/63/63	0/2/2/2
14	CLA	B	812	2	-	9/21/97/115	-
17	BCR	U	1005	-	-	12/29/63/63	0/2/2/2
13	CL0	Y	801	1	-	13/39/115/115	-
14	CLA	A	836	1	-	5/21/97/115	-
16	SF4	a	102	3	-	-	0/6/5/5
14	CLA	Y	835	1	-	9/27/103/115	-
14	CLA	Y	810	1	-	4/15/91/115	-
14	CLA	Y	814	1	-	11/27/103/115	-
14	CLA	G	853	2	-	5/15/91/115	-
18	LHG	A	850	-	-	27/53/53/53	-
17	BCR	T	102	-	-	9/29/63/63	0/2/2/2
14	CLA	H	822	-	-	12/33/109/115	-
14	CLA	Y	834	1	-	15/39/115/115	-
17	BCR	Q	202	-	-	10/29/63/63	0/2/2/2
14	CLA	G	818	1	-	17/39/115/115	-
14	CLA	g	102	-	-	5/15/91/115	-
14	CLA	Z	828	2	-	7/15/91/115	-
17	BCR	B	845	-	-	9/29/63/63	0/2/2/2
14	CLA	A	818	-	-	23/39/115/115	-
17	BCR	A	849	-	-	10/29/63/63	0/2/2/2
14	CLA	B	828	-	-	14/39/115/115	-
14	CLA	H	819	2	-	11/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Z	812	2	-	10/39/115/115	-
14	CLA	H	811	2	-	7/15/91/115	-
14	CLA	B	813	2	-	19/39/115/115	-
14	CLA	G	828	-	-	13/39/115/115	-
14	CLA	A	803	1	-	19/39/115/115	-
14	CLA	A	807	-	-	7/23/99/115	-
14	CLA	Z	802	-	-	18/39/115/115	-
14	CLA	J	102	8	-	14/27/103/115	-
17	BCR	G	848	-	-	8/29/63/63	0/2/2/2
14	CLA	Z	810	2	-	6/15/91/115	-
17	BCR	L	209	-	-	9/29/63/63	0/2/2/2
14	CLA	Y	820	1	-	11/33/109/115	-
14	CLA	U	1004	-	-	19/39/115/115	-
18	LHG	H	847	-	-	17/41/41/53	-
14	CLA	W	1701	12	-	6/15/91/115	-
14	CLA	Z	835	-	-	10/33/109/115	-
14	CLA	A	810	-	-	4/15/91/115	-
14	CLA	A	813	1	-	10/33/109/115	-
14	CLA	B	821	2	-	10/15/91/115	-
14	CLA	G	807	1	-	10/23/99/115	-
14	CLA	Z	814	-	-	10/27/103/115	-
14	CLA	Z	834	-	-	8/15/91/115	-
14	CLA	U	1006	2	-	14/39/115/115	-
14	CLA	H	806	-	-	9/39/115/115	-
14	CLA	Z	826	-	-	12/39/115/115	-
14	CLA	Y	830	1	-	10/39/115/115	-
14	CLA	B	825	-	-	14/39/115/115	-
14	CLA	Z	804	2	-	14/39/115/115	-
14	CLA	G	822	1	-	11/39/115/115	-
14	CLA	Y	838	1	-	20/39/115/115	-
19	LMG	B	849	-	-	14/47/67/70	0/1/1/1
14	CLA	B	830	2	-	6/15/91/115	-
17	BCR	f	104	-	-	6/29/63/63	0/2/2/2
14	CLA	Z	816	2	-	15/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	LMG	H	846	-	-	10/44/64/70	0/1/1/1
14	CLA	A	833	1	-	14/39/115/115	-
14	CLA	Z	825	2	-	17/39/115/115	-
17	BCR	Y	849	-	-	10/29/63/63	0/2/2/2
14	CLA	Y	842	-	-	15/39/115/115	-
17	BCR	M	101	-	-	9/29/63/63	0/2/2/2
14	CLA	Z	808	2	-	14/39/115/115	-
14	CLA	G	843	18	-	9/21/97/115	-
14	CLA	G	824	1	-	14/33/109/115	-
14	CLA	B	839	2	-	3/15/91/115	-
14	CLA	B	822	-	-	9/27/103/115	-
14	CLA	B	808	2	-	12/39/115/115	-
14	CLA	H	832	-	-	6/15/91/115	-
18	LHG	Y	852	-	-	26/53/53/53	-
14	CLA	Y	803	1	-	17/39/115/115	-
17	BCR	H	840	-	-	8/29/63/63	0/2/2/2
17	BCR	B	843	-	-	3/24/41/63	0/1/1/2
15	PQN	G	844	-	-	9/23/43/43	0/2/2/2
17	BCR	G	846	-	-	7/29/63/63	0/2/2/2
14	CLA	Y	811	14,1	-	20/39/115/115	-
17	BCR	G	854	-	-	8/29/63/63	0/2/2/2
14	CLA	H	825	2	-	10/39/115/115	-
14	CLA	Y	828	-	-	14/39/115/115	-
16	SF4	A	844	2,1	-	-	0/6/5/5
14	CLA	L	205	10	-	22/39/115/115	-
14	CLA	A	812	1	-	9/26/102/115	-
17	BCR	H	845	-	-	8/29/63/63	0/2/2/2
18	LHG	Y	853	14	-	20/28/28/53	-
14	CLA	A	822	-	-	15/39/115/115	-
14	CLA	L	207	-	-	18/39/115/115	-
14	CLA	B	811	2	-	17/27/103/115	-
14	CLA	A	806	1	-	17/39/115/115	-
17	BCR	Y	848	-	-	10/29/63/63	0/2/2/2
14	CLA	B	824	2	-	10/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	811	1	-	17/39/115/115	-
17	BCR	Q	204	-	-	7/29/63/63	0/2/2/2
14	CLA	H	835	2	-	18/39/115/115	-
17	BCR	Z	842	-	-	6/29/63/63	0/2/2/2
14	CLA	Z	831	2	-	14/27/103/115	-
14	CLA	Y	836	1	-	4/15/91/115	-
14	CLA	Z	827	2	-	13/39/115/115	-
14	CLA	U	1003	10	-	13/39/115/115	-
14	CLA	Z	806	-	-	18/39/115/115	-
14	CLA	L	206	10	-	14/39/115/115	-
17	BCR	G	847	-	-	9/29/63/63	0/2/2/2
14	CLA	Y	821	-	-	16/39/115/115	-
17	BCR	B	851	-	-	7/29/63/63	0/2/2/2
18	LHG	j	101	-	-	15/32/32/53	-
17	BCR	J	104	-	-	13/29/63/63	0/2/2/2
14	CLA	G	832	1	-	16/39/115/115	-
14	CLA	Z	819	-	-	7/15/91/115	-
14	CLA	V	1201	2	-	9/26/102/115	-
16	SF4	a	101	3	-	-	0/6/5/5
17	BCR	Y	856	-	-	10/29/63/63	0/2/2/2
14	CLA	H	829	2	-	8/15/91/115	-
14	CLA	f	101	8	-	5/15/91/115	-
14	CLA	h	206	10	-	13/39/115/115	-
14	CLA	B	823	-	-	13/33/109/115	-
14	CLA	B	814	2	-	21/39/115/115	-
14	CLA	G	805	-	-	20/39/115/115	-
14	CLA	S	1103	8	-	17/27/103/115	-
14	CLA	Z	815	2	-	19/39/115/115	-
14	CLA	Z	821	2	-	11/33/109/115	-
14	CLA	H	817	2	-	13/33/109/115	-
17	BCR	h	202	-	-	7/29/63/63	0/2/2/2
14	CLA	G	833	1	-	17/39/115/115	-
14	CLA	A	823	-	-	10/21/97/115	-
14	CLA	A	824	-	-	15/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	852	-	-	13/39/115/115	-
14	CLA	B	810	2	-	13/39/115/115	-
14	CLA	Y	826	-	-	9/33/109/115	-
18	LHG	A	851	14	-	16/36/36/53	-
14	CLA	G	823	-	-	6/21/97/115	-
14	CLA	H	805	2	-	19/39/115/115	-
14	CLA	A	828	1	-	14/39/115/115	-
14	CLA	H	823	2	-	10/27/103/115	-
14	CLA	Y	813	1	-	9/33/109/115	-
14	CLA	Z	823	-	-	15/39/115/115	-
14	CLA	Z	817	-	-	16/33/109/115	-
14	CLA	B	835	-	-	2/15/91/115	-
17	BCR	F	201	-	-	13/29/63/63	0/2/2/2
18	LHG	G	851	-	-	27/53/53/53	-
14	CLA	Z	807	2	-	13/39/115/115	-
14	CLA	G	840	-	-	5/21/97/115	-
14	CLA	G	816	-	-	11/21/97/115	-
14	CLA	G	835	1	-	6/15/91/115	-
14	CLA	Y	819	-	-	19/39/115/115	-
14	CLA	B	834	2	-	2/15/91/115	-
14	CLA	B	807	2	-	18/39/115/115	-
17	BCR	R	102	-	-	10/29/63/63	0/2/2/2
14	CLA	G	841	1	-	16/39/115/115	-
14	CLA	H	804	2	-	11/39/115/115	-
14	CLA	A	805	-	-	23/39/115/115	-
14	CLA	Z	813	2	-	2/15/91/115	-
14	CLA	B	826	-	-	15/39/115/115	-
14	CLA	Y	815	1	-	8/21/97/115	-
17	BCR	H	842	-	-	8/29/63/63	0/2/2/2
17	BCR	U	1008	-	-	5/29/63/63	0/2/2/2
14	CLA	Y	808	1	-	20/39/115/115	-
14	CLA	H	837	-	-	13/39/115/115	-
14	CLA	Z	837	2	-	5/15/91/115	-
14	CLA	L	202	2	-	17/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	Y	847	-	-	6/29/63/63	0/2/2/2
14	CLA	A	821	-	-	14/39/115/115	-
14	CLA	B	829	2	-	11/39/115/115	-
14	CLA	Y	854	-	-	16/39/115/115	-
14	CLA	A	804	14,1	-	14/32/108/115	-
14	CLA	B	816	2	-	8/27/103/115	-
14	CLA	G	829	-	-	17/39/115/115	-
14	CLA	H	810	2	-	13/27/103/115	-
14	CLA	Y	827	1	-	17/39/115/115	-
14	CLA	B	805	-	-	12/26/102/115	-
14	CLA	A	832	1	-	15/39/115/115	-
19	LMG	Z	847	-	-	15/44/64/70	0/1/1/1
14	CLA	A	837	1	-	16/39/115/115	-
14	CLA	G	804	1	-	12/32/108/115	-
14	CLA	Y	840	1	-	12/39/115/115	-
14	CLA	G	817	1	-	11/33/109/115	-
14	CLA	A	829	-	-	11/39/115/115	-
14	CLA	G	838	-	-	2/21/97/115	-
14	CLA	G	830	1	-	14/39/115/115	-
16	SF4	N	102	3,21	-	-	0/6/5/5
14	CLA	H	834	-	-	11/33/109/115	-
15	PQN	Z	840	-	-	10/23/43/43	0/2/2/2
16	SF4	C	101	3,21	-	-	0/6/5/5
14	CLA	H	831	-	-	8/15/91/115	-
17	BCR	V	1202	-	-	8/29/63/63	0/2/2/2
17	BCR	d	203	-	-	10/29/63/63	0/2/2/2
14	CLA	U	1002	10	-	23/39/115/115	-
14	CLA	H	812	2	-	17/39/115/115	-
14	CLA	B	817	-	-	11/39/115/115	-
14	CLA	H	820	2	-	4/15/91/115	-
14	CLA	h	205	10	-	23/39/115/115	-
17	BCR	L	208	-	-	11/29/63/63	0/2/2/2
17	BCR	A	845	-	-	11/29/63/63	0/2/2/2
14	CLA	B	806	2	-	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	S	1101	1	-	20/39/115/115	-
14	CLA	Y	816	-	-	6/21/97/115	-
14	CLA	B	833	2	-	12/27/103/115	-
14	CLA	H	830	2	-	15/27/103/115	-
14	CLA	A	817	1	-	13/33/109/115	-
15	PQN	A	843	-	-	5/23/43/43	0/2/2/2
14	CLA	B	838	2	-	15/39/115/115	-
18	LHG	G	852	14	-	15/36/36/53	-
14	CLA	A	841	-	-	11/39/115/115	-
14	CLA	A	802	-	-	11/39/115/115	-
14	CLA	H	824	-	-	21/39/115/115	-
15	PQN	Y	844	-	-	6/23/43/43	0/2/2/2
14	CLA	B	831	2	-	7/15/91/115	-
14	CLA	Z	824	-	-	18/39/115/115	-
14	CLA	B	840	-	-	13/39/115/115	-
16	SF4	Y	845	2,1	-	-	0/6/5/5
14	CLA	G	831	1	-	8/21/97/115	-
14	CLA	G	806	1	-	18/39/115/115	-
14	CLA	A	835	1	-	3/15/91/115	-
17	BCR	H	843	-	-	6/18/35/63	0/1/1/2
14	CLA	H	813	2	-	19/39/115/115	-
14	CLA	f	102	8	-	15/27/103/115	-
14	CLA	A	838	1	-	7/21/97/115	-
14	CLA	j	102	12	-	6/15/91/115	-
14	CLA	H	818	-	-	15/33/109/115	-
14	CLA	d	201	-	-	2/21/97/115	-
14	CLA	B	841	2	-	20/39/115/115	-
14	CLA	H	816	-	-	12/39/115/115	-
14	CLA	Y	829	-	-	15/39/115/115	-
14	CLA	G	821	-	-	15/39/115/115	-
14	CLA	Y	823	1	-	8/21/97/115	-
14	CLA	Z	832	-	-	7/15/91/115	-
17	BCR	Z	841	-	-	14/29/63/63	0/2/2/2
14	CLA	G	809	1	-	14/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	809	2	-	17/39/115/115	-
17	BCR	H	844	-	-	8/29/63/63	0/2/2/2
14	CLA	B	832	2	-	20/39/115/115	-
17	BCR	B	848	-	-	3/29/63/63	0/2/2/2
14	CLA	A	815	1	-	6/21/97/115	-
17	BCR	Z	846	-	-	10/29/63/63	0/2/2/2
14	CLA	B	809	2	-	22/39/115/115	-
14	CLA	H	814	-	-	8/15/91/115	-
17	BCR	Y	850	-	-	7/29/63/63	0/2/2/2
14	CLA	B	820	2	-	4/15/91/115	-
14	CLA	H	821	-	-	9/27/103/115	-
14	CLA	A	826	-	-	10/33/109/115	-
14	CLA	G	812	-	-	12/26/102/115	-
14	CLA	G	839	1	-	15/39/115/115	-
14	CLA	G	820	1	-	16/33/109/115	-
14	CLA	H	803	-	-	12/39/115/115	-
14	CLA	Y	855	-	-	11/39/115/115	-
14	CLA	Z	829	2	-	11/15/91/115	-
14	CLA	A	830	1	-	10/39/115/115	-
14	CLA	g	101	-	-	5/9/81/115	-
14	CLA	X	1701	12	-	5/15/91/115	-
14	CLA	A	834	1	-	9/27/103/115	-
14	CLA	A	809	1	-	17/39/115/115	-
17	BCR	J	103	-	-	6/29/63/63	0/2/2/2
14	CLA	H	836	2	-	1/15/91/115	-
14	CLA	G	802	-	-	18/39/115/115	-
17	BCR	K	102	-	-	8/29/63/63	0/2/2/2
14	CLA	H	802	2	-	17/39/115/115	-
14	CLA	Y	807	1	-	10/23/99/115	-
17	BCR	L	203	-	-	13/29/63/63	0/2/2/2
14	CLA	G	837	1	-	19/39/115/115	-
16	SF4	C	102	3	-	-	0/6/5/5
14	CLA	G	813	1	-	11/33/109/115	-
14	CLA	Y	812	1	-	11/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	833	1	-	15/39/115/115	-
14	CLA	B	818	2	-	10/33/109/115	-
14	CLA	Y	839	-	-	9/21/97/115	-
14	CLA	Y	822	1	-	18/39/115/115	-
17	BCR	G	849	-	-	8/29/63/63	0/2/2/2
14	CLA	Z	836	2	-	10/39/115/115	-
14	CLA	G	810	1	-	6/15/91/115	-
14	CLA	F	202	-	-	4/15/91/115	-
14	CLA	B	819	-	-	19/33/109/115	-
17	BCR	i	101	-	-	9/29/63/63	0/2/2/2
14	CLA	A	820	1	-	16/33/109/115	-
14	CLA	A	831	1	-	7/21/97/115	-
14	CLA	Y	805	-	-	14/39/115/115	-
14	CLA	A	814	1	-	7/21/97/115	-
14	CLA	Z	838	-	-	14/39/115/115	-
14	CLA	G	842	-	-	19/39/115/115	-
14	CLA	Y	818	-	-	16/39/115/115	-
14	CLA	B	837	2	-	8/33/109/115	-
14	CLA	Z	822	2	-	9/27/103/115	-
17	BCR	Y	846	-	-	9/29/63/63	0/2/2/2
14	CLA	S	1102	8	-	7/15/91/115	-
14	CLA	Z	833	-	-	8/15/91/115	-
14	CLA	G	814	1	-	3/21/97/115	-
14	CLA	G	834	1	-	8/27/103/115	-
14	CLA	Z	805	2	-	18/39/115/115	-
14	CLA	Q	203	-	-	2/15/91/115	-
14	CLA	K	103	-	-	6/15/91/115	-
16	SF4	N	101	3	-	-	0/6/5/5
14	CLA	G	826	-	-	16/33/109/115	-
14	CLA	Z	818	2	-	7/15/91/115	-
14	CLA	A	819	-	-	14/39/115/115	-
17	BCR	e	101	-	-	9/29/63/63	0/2/2/2
14	CLA	A	811	14,1	-	16/39/115/115	-
14	CLA	H	833	-	-	6/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	K	101	-	-	7/9/81/115	-
14	CLA	Y	825	-	-	14/39/115/115	-
14	CLA	L	201	1	-	15/39/115/115	-
14	CLA	H	827	-	-	14/39/115/115	-
13	CL0	A	801	1	-	14/39/115/115	-
14	CLA	B	804	-	-	6/39/115/115	-
17	BCR	h	203	-	-	10/29/63/63	0/2/2/2
17	BCR	U	1007	-	-	16/29/63/63	0/2/2/2
17	BCR	Z	845	-	-	8/29/63/63	0/2/2/2
14	CLA	A	842	18	-	10/21/97/115	-
14	CLA	Y	806	1	-	14/39/115/115	-
15	PQN	B	842	-	-	12/23/43/43	0/2/2/2
15	PQN	H	839	-	-	8/23/43/43	0/2/2/2
17	BCR	S	1104	-	-	11/29/63/63	0/2/2/2
14	CLA	H	815	-	-	9/27/103/115	-
14	CLA	H	808	2	-	9/39/115/115	-
14	CLA	H	826	-	-	14/39/115/115	-
14	CLA	Y	824	1	-	20/33/109/115	-
14	CLA	G	808	1	-	19/39/115/115	-
14	CLA	Y	831	1	-	7/21/97/115	-
17	BCR	H	841	-	-	13/29/63/63	0/2/2/2
17	BCR	I	101	-	-	7/29/63/63	0/2/2/2
14	CLA	A	808	1	-	22/39/115/115	-

All (6567) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	801	CL0	MG-NA	9.56	2.29	2.06
13	G	801	CL0	MG-NA	9.35	2.28	2.06
15	Y	844	PQN	C3-C2	8.96	1.51	1.35
17	H	841	BCR	C11-C10	-8.57	1.16	1.43
17	f	104	BCR	C8-C9	-8.55	1.27	1.46
13	Y	801	CL0	MG-NA	8.54	2.26	2.06
17	G	854	BCR	C11-C10	-8.52	1.16	1.43
17	L	203	BCR	C8-C9	-8.51	1.27	1.46
17	G	854	BCR	C8-C9	-8.42	1.27	1.46
17	B	843	BCR	C11-C10	-8.41	1.17	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Y	851	BCR	C11-C10	-8.41	1.17	1.43
17	i	101	BCR	C11-C10	-8.38	1.17	1.43
17	L	208	BCR	C8-C9	-8.35	1.28	1.46
17	R	102	BCR	C11-C10	-8.33	1.17	1.43
17	B	847	BCR	C11-C10	-8.28	1.17	1.43
17	Y	856	BCR	C8-C9	-8.28	1.28	1.46
17	Y	851	BCR	C8-C9	-8.25	1.28	1.46
17	f	104	BCR	C11-C10	-8.20	1.17	1.43
17	h	203	BCR	C20-C21	-8.19	1.17	1.43
17	Z	841	BCR	C8-C9	-8.18	1.28	1.46
17	G	846	BCR	C20-C21	-8.17	1.17	1.43
17	H	844	BCR	C11-C10	-8.16	1.17	1.43
17	L	208	BCR	C11-C10	-8.16	1.17	1.43
17	B	843	BCR	C8-C9	-8.15	1.28	1.46
17	U	1007	BCR	C11-C10	-8.13	1.18	1.43
17	V	1202	BCR	C8-C9	-8.12	1.28	1.46
17	h	203	BCR	C11-C10	-8.11	1.18	1.43
17	L	208	BCR	C20-C21	-8.11	1.18	1.43
17	M	101	BCR	C11-C10	-8.10	1.18	1.43
17	J	104	BCR	C11-C10	-8.10	1.18	1.43
17	Q	202	BCR	C11-C10	-8.10	1.18	1.43
17	H	841	BCR	C8-C9	-8.09	1.28	1.46
17	H	840	BCR	C11-C10	-8.08	1.18	1.43
17	B	848	BCR	C8-C9	-8.08	1.28	1.46
17	R	102	BCR	C20-C21	-8.06	1.18	1.43
17	Y	849	BCR	C11-C10	-8.01	1.18	1.43
17	A	847	BCR	C11-C10	-8.00	1.18	1.43
17	Z	841	BCR	C11-C10	-7.99	1.18	1.43
14	B	835	CLA	MG-NA	7.98	2.25	2.06
17	H	845	BCR	C20-C21	-7.97	1.18	1.43
17	h	203	BCR	C16-C17	-7.97	1.18	1.43
17	H	848	BCR	C11-C10	-7.96	1.18	1.43
17	Q	202	BCR	C8-C9	-7.96	1.28	1.46
17	S	1104	BCR	C11-C10	-7.95	1.18	1.43
14	Y	833	CLA	MG-NA	7.95	2.25	2.06
17	L	209	BCR	C11-C10	-7.95	1.18	1.43
17	B	844	BCR	C11-C10	-7.94	1.18	1.43
17	B	851	BCR	C11-C10	-7.92	1.18	1.43
17	J	104	BCR	C8-C9	-7.92	1.29	1.46
14	G	838	CLA	MG-NA	7.92	2.25	2.06
17	G	847	BCR	C11-C10	-7.91	1.18	1.43
14	G	817	CLA	MG-NA	7.91	2.25	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	R	102	BCR	C16-C17	-7.91	1.18	1.43
17	H	841	BCR	C20-C21	-7.90	1.18	1.43
17	V	1202	BCR	C11-C10	-7.89	1.18	1.43
17	M	101	BCR	C8-C9	-7.88	1.29	1.46
17	Z	842	BCR	C20-C21	-7.88	1.18	1.43
14	Y	822	CLA	MG-NA	7.88	2.25	2.06
17	H	845	BCR	C8-C9	-7.87	1.29	1.46
17	H	842	BCR	C20-C21	-7.86	1.18	1.43
17	H	840	BCR	C8-C9	-7.86	1.29	1.46
14	B	810	CLA	MG-NA	7.85	2.24	2.06
17	B	847	BCR	C8-C9	-7.83	1.29	1.46
17	B	851	BCR	C8-C9	-7.83	1.29	1.46
14	G	827	CLA	MG-NA	7.83	2.24	2.06
15	Z	840	PQN	C3-C2	7.83	1.49	1.35
17	h	203	BCR	C8-C9	-7.83	1.29	1.46
14	Y	817	CLA	MG-NA	7.82	2.24	2.06
17	G	848	BCR	C8-C9	-7.81	1.29	1.46
17	Q	204	BCR	C11-C10	-7.81	1.19	1.43
17	f	105	BCR	C8-C9	-7.80	1.29	1.46
17	Y	856	BCR	C20-C21	-7.80	1.19	1.43
17	i	101	BCR	C8-C9	-7.80	1.29	1.46
17	Z	844	BCR	C20-C21	-7.80	1.19	1.43
14	Y	825	CLA	MG-NA	7.80	2.24	2.06
14	h	207	CLA	MG-NA	7.80	2.24	2.06
17	U	1007	BCR	C8-C9	-7.79	1.29	1.46
14	G	829	CLA	MG-NA	7.79	2.24	2.06
17	Y	850	BCR	C11-C10	-7.79	1.19	1.43
14	B	808	CLA	MG-NA	7.79	2.24	2.06
14	G	823	CLA	MG-NA	7.78	2.24	2.06
14	H	818	CLA	MG-NA	7.78	2.24	2.06
17	B	845	BCR	C8-C9	-7.77	1.29	1.46
17	L	203	BCR	C20-C21	-7.77	1.19	1.43
14	T	103	CLA	MG-NA	7.77	2.24	2.06
14	Y	803	CLA	MG-NA	7.77	2.24	2.06
17	J	104	BCR	C20-C21	-7.76	1.19	1.43
14	G	822	CLA	MG-NA	7.76	2.24	2.06
17	F	201	BCR	C20-C21	-7.76	1.19	1.43
17	Y	851	BCR	C20-C21	-7.76	1.19	1.43
14	g	101	CLA	MG-NA	7.75	2.24	2.06
14	G	811	CLA	MG-NA	7.74	2.24	2.06
17	e	101	BCR	C20-C21	-7.74	1.19	1.43
14	X	1701	CLA	MG-NA	7.73	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	K	102	BCR	C11-C10	-7.73	1.19	1.43
14	Y	823	CLA	MG-NA	7.73	2.24	2.06
17	L	203	BCR	C11-C10	-7.73	1.19	1.43
17	A	849	BCR	C8-C9	-7.72	1.29	1.46
17	F	201	BCR	C8-C9	-7.72	1.29	1.46
14	A	824	CLA	MG-NA	7.72	2.24	2.06
17	F	203	BCR	C11-C10	-7.72	1.19	1.43
14	G	807	CLA	MG-NA	7.72	2.24	2.06
14	Y	827	CLA	MG-NA	7.72	2.24	2.06
17	R	101	BCR	C11-C10	-7.71	1.19	1.43
17	G	850	BCR	C8-C9	-7.71	1.29	1.46
17	U	1005	BCR	C20-C21	-7.71	1.19	1.43
14	B	837	CLA	MG-NA	7.71	2.24	2.06
17	G	847	BCR	C8-C9	-7.70	1.29	1.46
14	Y	831	CLA	MG-NA	7.69	2.24	2.06
17	H	842	BCR	C11-C10	-7.68	1.19	1.43
17	S	1104	BCR	C8-C9	-7.68	1.29	1.46
15	A	843	PQN	C3-C2	7.68	1.49	1.35
17	H	841	BCR	C16-C17	-7.68	1.19	1.43
17	Z	841	BCR	C20-C21	-7.68	1.19	1.43
17	G	849	BCR	C20-C21	-7.68	1.19	1.43
14	B	839	CLA	MG-NA	7.67	2.24	2.06
14	Z	820	CLA	MG-NA	7.67	2.24	2.06
14	f	102	CLA	MG-NA	7.67	2.24	2.06
17	B	848	BCR	C20-C21	-7.67	1.19	1.43
17	B	844	BCR	C20-C21	-7.67	1.19	1.43
17	R	101	BCR	C8-C9	-7.67	1.29	1.46
17	U	1005	BCR	C11-C10	-7.66	1.19	1.43
14	H	832	CLA	MG-NA	7.66	2.24	2.06
17	J	104	BCR	C16-C17	-7.65	1.19	1.43
17	Y	850	BCR	C20-C21	-7.65	1.19	1.43
17	Z	845	BCR	C8-C9	-7.65	1.29	1.46
14	B	831	CLA	MG-NA	7.65	2.24	2.06
17	Y	847	BCR	C11-C10	-7.65	1.19	1.43
17	G	849	BCR	C11-C10	-7.65	1.19	1.43
14	H	804	CLA	MG-NA	7.64	2.24	2.06
17	L	208	BCR	C16-C17	-7.64	1.19	1.43
14	L	205	CLA	MG-NA	7.64	2.24	2.06
14	Z	817	CLA	MG-NA	7.64	2.24	2.06
14	B	822	CLA	MG-NA	7.64	2.24	2.06
17	f	105	BCR	C11-C10	-7.64	1.19	1.43
17	S	1104	BCR	C16-C17	-7.63	1.19	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	202	CLA	MG-NA	7.63	2.24	2.06
15	H	839	PQN	C3-C2	7.63	1.48	1.35
14	H	833	CLA	MG-NA	7.63	2.24	2.06
14	A	822	CLA	MG-NA	7.62	2.24	2.06
14	Z	807	CLA	MG-NA	7.62	2.24	2.06
14	S	1102	CLA	MG-NA	7.62	2.24	2.06
17	G	850	BCR	C20-C21	-7.61	1.19	1.43
14	Y	843	CLA	MG-NA	7.61	2.24	2.06
17	B	843	BCR	C16-C17	-7.61	1.19	1.43
17	S	1104	BCR	C20-C21	-7.61	1.19	1.43
17	L	203	BCR	C16-C17	-7.60	1.19	1.43
14	Y	835	CLA	MG-NA	7.60	2.24	2.06
14	A	833	CLA	MG-NA	7.60	2.24	2.06
14	B	823	CLA	MG-NA	7.60	2.24	2.06
17	G	846	BCR	C11-C10	-7.59	1.19	1.43
14	A	812	CLA	MG-NA	7.59	2.24	2.06
14	B	826	CLA	MG-NA	7.59	2.24	2.06
17	A	847	BCR	C8-C9	-7.59	1.29	1.46
17	H	848	BCR	C20-C21	-7.59	1.19	1.43
14	Y	806	CLA	MG-NA	7.59	2.24	2.06
14	h	201	CLA	MG-NA	7.58	2.24	2.06
17	M	101	BCR	C20-C21	-7.58	1.19	1.43
14	Z	838	CLA	MG-NA	7.58	2.24	2.06
17	d	203	BCR	C8-C9	-7.58	1.29	1.46
14	K	101	CLA	MG-NA	7.58	2.24	2.06
14	B	813	CLA	MG-NA	7.58	2.24	2.06
14	G	841	CLA	MG-NA	7.58	2.24	2.06
14	W	1701	CLA	MG-NA	7.57	2.24	2.06
14	Z	812	CLA	MG-NA	7.57	2.24	2.06
17	L	209	BCR	C20-C21	-7.57	1.19	1.43
17	H	840	BCR	C16-C17	-7.57	1.19	1.43
17	Z	846	BCR	C8-C9	-7.57	1.29	1.46
17	H	844	BCR	C8-C9	-7.57	1.29	1.46
14	Y	813	CLA	MG-NA	7.56	2.24	2.06
14	Y	807	CLA	MG-NA	7.56	2.24	2.06
14	Z	818	CLA	MG-NA	7.56	2.24	2.06
14	Z	821	CLA	MG-NA	7.56	2.24	2.06
17	f	104	BCR	C20-C21	-7.56	1.19	1.43
17	J	103	BCR	C8-C9	-7.56	1.29	1.46
14	Z	839	CLA	MG-NA	7.56	2.24	2.06
14	G	816	CLA	MG-NA	7.56	2.24	2.06
17	f	103	BCR	C11-C10	-7.56	1.19	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	838	CLA	MG-NA	7.55	2.24	2.06
17	B	845	BCR	C11-C10	-7.55	1.19	1.43
17	e	101	BCR	C11-C10	-7.55	1.19	1.43
14	Z	825	CLA	MG-NA	7.55	2.24	2.06
17	B	845	BCR	C20-C21	-7.54	1.19	1.43
17	Z	846	BCR	C11-C10	-7.54	1.19	1.43
14	Y	829	CLA	MG-NA	7.54	2.24	2.06
14	G	836	CLA	MG-NA	7.54	2.24	2.06
17	K	102	BCR	C20-C21	-7.53	1.19	1.43
14	Z	822	CLA	MG-NA	7.53	2.24	2.06
14	L	207	CLA	MG-NA	7.53	2.24	2.06
14	H	812	CLA	MG-NA	7.53	2.24	2.06
14	G	812	CLA	MG-NA	7.53	2.24	2.06
17	G	849	BCR	C16-C17	-7.53	1.19	1.43
17	F	201	BCR	C16-C17	-7.53	1.19	1.43
17	A	846	BCR	C8-C9	-7.53	1.29	1.46
17	e	101	BCR	C8-C9	-7.53	1.29	1.46
14	B	814	CLA	MG-NA	7.52	2.24	2.06
17	H	848	BCR	C16-C17	-7.52	1.19	1.43
17	Z	841	BCR	C16-C17	-7.52	1.19	1.43
14	H	821	CLA	MG-NA	7.52	2.24	2.06
14	H	808	CLA	MG-NA	7.51	2.24	2.06
14	H	807	CLA	MG-NA	7.51	2.24	2.06
17	G	846	BCR	C16-C17	-7.51	1.19	1.43
14	J	101	CLA	MG-NA	7.50	2.24	2.06
14	J	102	CLA	MG-NA	7.50	2.24	2.06
14	Y	814	CLA	MG-NA	7.50	2.24	2.06
17	B	843	BCR	C20-C21	-7.50	1.19	1.43
14	A	835	CLA	MG-NA	7.50	2.24	2.06
14	h	205	CLA	MG-NA	7.50	2.24	2.06
17	K	102	BCR	C16-C17	-7.50	1.19	1.43
14	j	102	CLA	MG-NA	7.49	2.24	2.06
14	A	840	CLA	MG-NA	7.49	2.24	2.06
14	Z	833	CLA	MG-NA	7.49	2.24	2.06
17	R	102	BCR	C8-C9	-7.49	1.29	1.46
14	f	101	CLA	MG-NA	7.48	2.24	2.06
14	g	102	CLA	MG-NA	7.47	2.24	2.06
17	K	102	BCR	C8-C9	-7.47	1.30	1.46
14	A	832	CLA	MG-NA	7.47	2.24	2.06
14	H	814	CLA	MG-NA	7.47	2.24	2.06
14	Y	812	CLA	MG-NA	7.47	2.24	2.06
14	d	201	CLA	MG-NA	7.47	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	G	850	BCR	C11-C10	-7.46	1.20	1.43
17	G	848	BCR	C11-C10	-7.46	1.20	1.43
17	H	840	BCR	C20-C21	-7.46	1.20	1.43
14	Z	824	CLA	MG-NA	7.46	2.24	2.06
15	G	844	PQN	C3-C2	7.45	1.48	1.35
14	G	814	CLA	MG-NA	7.45	2.24	2.06
14	A	825	CLA	MG-NA	7.45	2.24	2.06
14	A	831	CLA	MG-NA	7.45	2.24	2.06
17	G	847	BCR	C16-C17	-7.45	1.20	1.43
14	H	819	CLA	MG-NA	7.45	2.24	2.06
17	G	847	BCR	C20-C21	-7.45	1.20	1.43
14	A	807	CLA	MG-NA	7.45	2.24	2.06
14	U	1006	CLA	MG-NA	7.44	2.23	2.06
17	Y	850	BCR	C16-C17	-7.44	1.20	1.43
14	S	1103	CLA	MG-NA	7.44	2.23	2.06
17	H	845	BCR	C11-C10	-7.43	1.20	1.43
17	G	846	BCR	C8-C9	-7.43	1.30	1.46
17	U	1007	BCR	C20-C21	-7.43	1.20	1.43
17	Y	847	BCR	C20-C21	-7.43	1.20	1.43
14	H	801	CLA	MG-NA	7.43	2.23	2.06
14	Y	819	CLA	MG-NA	7.43	2.23	2.06
14	G	837	CLA	MG-NA	7.42	2.23	2.06
17	Y	849	BCR	C8-C9	-7.42	1.30	1.46
14	Z	834	CLA	MG-NA	7.42	2.23	2.06
17	B	847	BCR	C20-C21	-7.42	1.20	1.43
14	Z	809	CLA	MG-NA	7.42	2.23	2.06
14	A	803	CLA	MG-NA	7.42	2.23	2.06
14	G	818	CLA	MG-NA	7.41	2.23	2.06
14	H	837	CLA	MG-NA	7.41	2.23	2.06
14	Z	823	CLA	MG-NA	7.41	2.23	2.06
14	G	853	CLA	MG-NA	7.41	2.23	2.06
14	Y	810	CLA	MG-NA	7.40	2.23	2.06
14	A	814	CLA	MG-NA	7.40	2.23	2.06
14	Y	815	CLA	MG-NA	7.40	2.23	2.06
14	H	823	CLA	MG-NA	7.39	2.23	2.06
17	Z	845	BCR	C11-C10	-7.38	1.20	1.43
14	A	842	CLA	MG-NA	7.38	2.23	2.06
14	Z	832	CLA	MG-NA	7.38	2.23	2.06
14	B	818	CLA	MG-NA	7.38	2.23	2.06
14	A	808	CLA	MG-NA	7.37	2.23	2.06
14	Z	819	CLA	MG-NA	7.37	2.23	2.06
17	Z	843	BCR	C11-C10	-7.37	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	836	CLA	MG-NA	7.37	2.23	2.06
14	Q	203	CLA	MG-NA	7.37	2.23	2.06
17	I	101	BCR	C8-C9	-7.37	1.30	1.46
17	B	844	BCR	C8-C9	-7.37	1.30	1.46
17	Q	204	BCR	C8-C9	-7.37	1.30	1.46
17	Y	848	BCR	C11-C10	-7.37	1.20	1.43
17	i	101	BCR	C16-C17	-7.36	1.20	1.43
17	Z	842	BCR	C11-C10	-7.36	1.20	1.43
17	A	846	BCR	C11-C10	-7.36	1.20	1.43
14	Z	806	CLA	MG-NA	7.35	2.23	2.06
14	Z	814	CLA	MG-NA	7.35	2.23	2.06
17	f	104	BCR	C16-C17	-7.35	1.20	1.43
17	Y	851	BCR	C16-C17	-7.34	1.20	1.43
14	Y	826	CLA	MG-NA	7.34	2.23	2.06
17	A	849	BCR	C11-C10	-7.34	1.20	1.43
14	Y	842	CLA	MG-NA	7.33	2.23	2.06
17	U	1005	BCR	C16-C17	-7.33	1.20	1.43
14	B	824	CLA	MG-NA	7.33	2.23	2.06
17	d	203	BCR	C11-C10	-7.32	1.20	1.43
17	H	842	BCR	C16-C17	-7.32	1.20	1.43
14	H	802	CLA	MG-NA	7.32	2.23	2.06
14	H	806	CLA	MG-NA	7.32	2.23	2.06
14	A	836	CLA	MG-NA	7.31	2.23	2.06
14	U	1002	CLA	MG-NA	7.31	2.23	2.06
14	B	816	CLA	MG-NA	7.31	2.23	2.06
17	T	102	BCR	C11-C10	-7.31	1.20	1.43
17	A	845	BCR	C8-C9	-7.30	1.30	1.46
14	H	820	CLA	MG-NA	7.30	2.23	2.06
17	L	209	BCR	C8-C9	-7.29	1.30	1.46
14	G	840	CLA	MG-NA	7.29	2.23	2.06
14	B	825	CLA	MG-NA	7.29	2.23	2.06
14	Z	816	CLA	MG-NA	7.29	2.23	2.06
14	Y	821	CLA	MG-NA	7.29	2.23	2.06
14	A	813	CLA	MG-NA	7.29	2.23	2.06
14	Y	824	CLA	MG-NA	7.29	2.23	2.06
14	B	840	CLA	MG-NA	7.29	2.23	2.06
17	B	846	BCR	C16-C17	-7.29	1.20	1.43
17	Y	847	BCR	C8-C9	-7.28	1.30	1.46
17	A	849	BCR	C16-C17	-7.28	1.20	1.43
14	G	820	CLA	MG-NA	7.28	2.23	2.06
14	H	815	CLA	MG-NA	7.28	2.23	2.06
17	B	847	BCR	C16-C17	-7.28	1.20	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	819	CLA	MG-NA	7.27	2.23	2.06
17	F	201	BCR	C11-C10	-7.27	1.20	1.43
17	H	845	BCR	C16-C17	-7.27	1.20	1.43
14	G	825	CLA	MG-NA	7.27	2.23	2.06
17	Y	848	BCR	C8-C9	-7.27	1.30	1.46
14	S	1101	CLA	MG-NA	7.27	2.23	2.06
17	F	203	BCR	C8-C9	-7.26	1.30	1.46
14	H	811	CLA	MG-NA	7.26	2.23	2.06
14	H	825	CLA	MG-NA	7.26	2.23	2.06
14	A	810	CLA	MG-NA	7.26	2.23	2.06
14	B	815	CLA	MG-NA	7.26	2.23	2.06
17	d	203	BCR	C16-C17	-7.26	1.20	1.43
17	B	844	BCR	C16-C17	-7.26	1.20	1.43
14	B	834	CLA	MG-NA	7.25	2.23	2.06
17	U	1008	BCR	C20-C21	-7.25	1.20	1.43
17	Z	844	BCR	C16-C17	-7.25	1.20	1.43
14	Z	811	CLA	MG-NA	7.25	2.23	2.06
14	G	842	CLA	MG-NA	7.25	2.23	2.06
17	U	1008	BCR	C8-C9	-7.25	1.30	1.46
14	A	828	CLA	MG-NA	7.24	2.23	2.06
14	A	811	CLA	MG-NA	7.24	2.23	2.06
14	Z	813	CLA	MG-NA	7.24	2.23	2.06
14	Y	839	CLA	MG-NA	7.24	2.23	2.06
17	U	1007	BCR	C16-C17	-7.24	1.20	1.43
14	d	202	CLA	MG-NA	7.23	2.23	2.06
17	B	851	BCR	C16-C17	-7.23	1.20	1.43
17	A	845	BCR	C20-C21	-7.23	1.20	1.43
14	B	833	CLA	MG-NA	7.23	2.23	2.06
17	B	848	BCR	C16-C17	-7.23	1.20	1.43
14	H	830	CLA	MG-NA	7.23	2.23	2.06
17	Z	843	BCR	C20-C21	-7.23	1.20	1.43
17	G	848	BCR	C20-C21	-7.23	1.20	1.43
14	G	831	CLA	MG-NA	7.22	2.23	2.06
14	Z	826	CLA	MG-NA	7.22	2.23	2.06
17	B	845	BCR	C16-C17	-7.22	1.20	1.43
17	Z	846	BCR	C20-C21	-7.22	1.20	1.43
17	H	848	BCR	C8-C9	-7.22	1.30	1.46
14	A	852	CLA	MG-NA	7.22	2.23	2.06
14	B	821	CLA	MG-NA	7.22	2.23	2.06
17	A	849	BCR	C20-C21	-7.21	1.20	1.43
14	A	821	CLA	MG-NA	7.21	2.23	2.06
14	A	820	CLA	MG-NA	7.21	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	h	202	BCR	C11-C10	-7.21	1.20	1.43
14	H	822	CLA	MG-NA	7.21	2.23	2.06
14	G	824	CLA	MG-NA	7.20	2.23	2.06
17	d	203	BCR	C20-C21	-7.20	1.20	1.43
17	H	844	BCR	C20-C21	-7.20	1.20	1.43
17	H	842	BCR	C8-C9	-7.20	1.30	1.46
14	L	201	CLA	MG-NA	7.20	2.23	2.06
17	J	103	BCR	C11-C10	-7.20	1.20	1.43
17	f	105	BCR	C20-C21	-7.20	1.20	1.43
14	Z	829	CLA	MG-NA	7.20	2.23	2.06
17	M	101	BCR	C16-C17	-7.19	1.20	1.43
17	Z	842	BCR	C8-C9	-7.19	1.30	1.46
17	A	848	BCR	C11-C10	-7.19	1.20	1.43
17	G	854	BCR	C16-C17	-7.19	1.20	1.43
17	f	105	BCR	C16-C17	-7.19	1.20	1.43
14	Y	811	CLA	MG-NA	7.18	2.23	2.06
17	f	103	BCR	C20-C21	-7.17	1.20	1.43
14	A	816	CLA	MG-NA	7.17	2.23	2.06
14	Y	832	CLA	MG-NA	7.17	2.23	2.06
14	H	826	CLA	MG-NA	7.17	2.23	2.06
17	Y	849	BCR	C16-C17	-7.16	1.21	1.43
14	Z	835	CLA	MG-NA	7.16	2.23	2.06
14	G	813	CLA	MG-NA	7.16	2.23	2.06
17	G	849	BCR	C8-C9	-7.16	1.30	1.46
14	G	835	CLA	MG-NA	7.15	2.23	2.06
14	Z	810	CLA	MG-NA	7.15	2.23	2.06
17	Y	849	BCR	C20-C21	-7.15	1.21	1.43
14	Y	838	CLA	MG-NA	7.15	2.23	2.06
17	Q	204	BCR	C20-C21	-7.14	1.21	1.43
17	R	101	BCR	C20-C21	-7.14	1.21	1.43
14	G	843	CLA	MG-NA	7.14	2.23	2.06
14	Y	809	CLA	MG-NA	7.14	2.23	2.06
14	Y	854	CLA	MG-NA	7.14	2.23	2.06
14	Z	808	CLA	MG-NA	7.14	2.23	2.06
14	B	809	CLA	MG-NA	7.14	2.23	2.06
14	H	816	CLA	MG-NA	7.14	2.23	2.06
15	B	842	PQN	C3-C2	7.13	1.48	1.35
14	A	815	CLA	MG-NA	7.13	2.23	2.06
17	Q	202	BCR	C20-C21	-7.13	1.21	1.43
14	Z	837	CLA	MG-NA	7.13	2.23	2.06
17	Z	846	BCR	C16-C17	-7.13	1.21	1.43
14	G	826	CLA	MG-NA	7.13	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	845	BCR	C11-C10	-7.13	1.21	1.43
17	B	846	BCR	C20-C21	-7.13	1.21	1.43
14	Y	816	CLA	MG-NA	7.12	2.23	2.06
14	U	1004	CLA	MG-NA	7.12	2.23	2.06
17	F	203	BCR	C16-C17	-7.12	1.21	1.43
17	H	844	BCR	C16-C17	-7.12	1.21	1.43
17	Y	846	BCR	C8-C9	-7.11	1.30	1.46
17	A	847	BCR	C20-C21	-7.11	1.21	1.43
17	I	101	BCR	C16-C17	-7.11	1.21	1.43
14	A	819	CLA	MG-NA	7.11	2.23	2.06
14	G	819	CLA	MG-NA	7.11	2.23	2.06
17	G	848	BCR	C16-C17	-7.11	1.21	1.43
14	Y	836	CLA	MG-NA	7.10	2.23	2.06
14	L	202	CLA	MG-NA	7.10	2.23	2.06
14	H	805	CLA	MG-NA	7.10	2.23	2.06
14	H	831	CLA	MG-NA	7.10	2.23	2.06
14	Y	840	CLA	MG-NA	7.10	2.23	2.06
17	B	851	BCR	C20-C21	-7.09	1.21	1.43
17	I	101	BCR	C11-C10	-7.09	1.21	1.43
14	B	832	CLA	MG-NA	7.09	2.23	2.06
14	B	827	CLA	MG-NA	7.09	2.23	2.06
17	A	846	BCR	C20-C21	-7.08	1.21	1.43
14	G	830	CLA	MG-NA	7.08	2.23	2.06
14	Z	815	CLA	MG-NA	7.08	2.23	2.06
17	Y	856	BCR	C16-C17	-7.07	1.21	1.43
14	H	829	CLA	MG-NA	7.07	2.23	2.06
17	B	848	BCR	C11-C10	-7.07	1.21	1.43
14	H	824	CLA	MG-NA	7.06	2.23	2.06
17	Z	845	BCR	C20-C21	-7.06	1.21	1.43
17	U	1008	BCR	C11-C10	-7.06	1.21	1.43
14	G	810	CLA	MG-NA	7.06	2.23	2.06
14	B	807	CLA	MG-NA	7.06	2.23	2.06
14	B	828	CLA	MG-NA	7.05	2.23	2.06
17	Y	848	BCR	C20-C21	-7.05	1.21	1.43
14	Z	830	CLA	MG-NA	7.05	2.23	2.06
14	Y	804	CLA	MG-NA	7.04	2.23	2.06
14	B	817	CLA	MG-NA	7.04	2.23	2.06
14	B	802	CLA	MG-NA	7.04	2.23	2.06
17	Y	856	BCR	C11-C10	-7.04	1.21	1.43
14	A	837	CLA	MG-NA	7.04	2.23	2.06
14	G	832	CLA	MG-NA	7.04	2.23	2.06
14	K	103	CLA	MG-NA	7.03	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	848	BCR	C20-C21	-7.03	1.21	1.43
14	B	804	CLA	MG-NA	7.03	2.23	2.06
14	V	1201	CLA	MG-NA	7.03	2.23	2.06
14	B	820	CLA	MG-NA	7.03	2.23	2.06
14	Y	841	CLA	MG-NA	7.03	2.23	2.06
14	G	828	CLA	MG-NA	7.02	2.22	2.06
14	B	811	CLA	MG-NA	7.02	2.22	2.06
17	Y	847	BCR	C16-C17	-7.02	1.21	1.43
14	Z	802	CLA	MG-NA	7.02	2.22	2.06
14	Z	836	CLA	MG-NA	7.01	2.22	2.06
17	J	103	BCR	C16-C17	-7.01	1.21	1.43
14	A	806	CLA	MG-NA	7.01	2.22	2.06
14	A	827	CLA	MG-NA	7.01	2.22	2.06
14	A	839	CLA	MG-NA	7.01	2.22	2.06
14	A	834	CLA	MG-NA	7.01	2.22	2.06
14	G	808	CLA	MG-NA	7.01	2.22	2.06
17	J	103	BCR	C20-C21	-7.00	1.21	1.43
14	T	101	CLA	MG-NA	7.00	2.22	2.06
17	Z	843	BCR	C8-C9	-6.99	1.31	1.46
17	e	101	BCR	C16-C17	-6.99	1.21	1.43
14	G	834	CLA	MG-NA	6.99	2.22	2.06
17	Q	204	BCR	C16-C17	-6.99	1.21	1.43
14	H	834	CLA	MG-NA	6.99	2.22	2.06
14	A	802	CLA	MG-NA	6.99	2.22	2.06
14	B	836	CLA	MG-NA	6.99	2.22	2.06
17	G	850	BCR	C16-C17	-6.98	1.21	1.43
14	B	812	CLA	MG-NA	6.98	2.22	2.06
14	G	803	CLA	MG-NA	6.98	2.22	2.06
14	Z	828	CLA	MG-NA	6.98	2.22	2.06
17	I	101	BCR	C20-C21	-6.98	1.21	1.43
17	U	1005	BCR	C8-C9	-6.98	1.31	1.46
17	Z	842	BCR	C16-C17	-6.97	1.21	1.43
14	A	817	CLA	MG-NA	6.97	2.22	2.06
14	Z	804	CLA	MG-NA	6.97	2.22	2.06
14	A	826	CLA	MG-NA	6.97	2.22	2.06
17	G	854	BCR	C20-C21	-6.97	1.21	1.43
14	B	805	CLA	MG-NA	6.96	2.22	2.06
17	A	846	BCR	C16-C17	-6.96	1.21	1.43
14	G	833	CLA	MG-NA	6.96	2.22	2.06
14	Y	837	CLA	MG-NA	6.95	2.22	2.06
17	U	1008	BCR	C16-C17	-6.95	1.21	1.43
17	Y	846	BCR	C16-C17	-6.95	1.21	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Y	846	BCR	C20-C21	-6.95	1.21	1.43
17	V	1202	BCR	C16-C17	-6.95	1.21	1.43
14	A	823	CLA	MG-NA	6.94	2.22	2.06
14	Y	830	CLA	MG-NA	6.93	2.22	2.06
14	A	829	CLA	MG-NA	6.92	2.22	2.06
14	B	829	CLA	MG-NA	6.92	2.22	2.06
17	F	203	BCR	C20-C21	-6.92	1.21	1.43
17	A	848	BCR	C16-C17	-6.92	1.21	1.43
14	B	803	CLA	MG-NA	6.91	2.22	2.06
14	B	838	CLA	MG-NA	6.91	2.22	2.06
17	Y	846	BCR	C11-C10	-6.90	1.21	1.43
14	Y	820	CLA	MG-NA	6.90	2.22	2.06
14	H	828	CLA	MG-NA	6.90	2.22	2.06
17	Z	843	BCR	C16-C17	-6.89	1.21	1.43
14	A	841	CLA	MG-NA	6.88	2.22	2.06
14	H	838	CLA	MG-NA	6.88	2.22	2.06
14	G	815	CLA	MG-NA	6.87	2.22	2.06
14	G	805	CLA	MG-NA	6.87	2.22	2.06
17	h	202	BCR	C8-C9	-6.86	1.31	1.46
14	Y	808	CLA	MG-NA	6.86	2.22	2.06
14	G	809	CLA	MG-NA	6.86	2.22	2.06
17	V	1202	BCR	C20-C21	-6.84	1.22	1.43
14	Z	831	CLA	MG-NA	6.84	2.22	2.06
14	Z	805	CLA	MG-NA	6.84	2.22	2.06
14	Y	818	CLA	MG-NA	6.84	2.22	2.06
14	U	1003	CLA	MG-NA	6.83	2.22	2.06
14	G	821	CLA	MG-NA	6.82	2.22	2.06
17	L	209	BCR	C16-C17	-6.82	1.22	1.43
17	A	848	BCR	C8-C9	-6.81	1.31	1.46
17	Z	845	BCR	C16-C17	-6.81	1.22	1.43
14	H	835	CLA	MG-NA	6.81	2.22	2.06
14	Z	803	CLA	MG-NA	6.80	2.22	2.06
14	G	839	CLA	MG-NA	6.80	2.22	2.06
17	Y	850	BCR	C8-C9	-6.80	1.31	1.46
14	G	804	CLA	MG-NA	6.79	2.22	2.06
14	Z	801	CLA	MG-NA	6.78	2.22	2.06
17	f	103	BCR	C16-C17	-6.78	1.22	1.43
17	R	101	BCR	C16-C17	-6.76	1.22	1.43
14	H	809	CLA	MG-NA	6.76	2.22	2.06
14	H	813	CLA	MG-NA	6.76	2.22	2.06
14	Y	834	CLA	MG-NA	6.74	2.22	2.06
17	T	102	BCR	C20-C21	-6.73	1.22	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Q	202	BCR	C16-C17	-6.73	1.22	1.43
17	A	845	BCR	C16-C17	-6.72	1.22	1.43
17	A	847	BCR	C16-C17	-6.72	1.22	1.43
17	Y	848	BCR	C16-C17	-6.72	1.22	1.43
14	Y	828	CLA	MG-NA	6.72	2.22	2.06
17	h	202	BCR	C20-C21	-6.71	1.22	1.43
17	T	102	BCR	C8-C9	-6.69	1.31	1.46
14	A	804	CLA	MG-NA	6.67	2.22	2.06
14	H	810	CLA	MG-NA	6.66	2.22	2.06
14	G	806	CLA	MG-NA	6.65	2.22	2.06
14	A	809	CLA	MG-NA	6.63	2.22	2.06
14	A	830	CLA	MG-NA	6.62	2.22	2.06
17	f	103	BCR	C8-C9	-6.61	1.31	1.46
14	A	818	CLA	MG-NA	6.60	2.22	2.06
14	Y	802	CLA	MG-NA	6.60	2.21	2.06
17	T	102	BCR	C16-C17	-6.59	1.22	1.43
17	H	843	BCR	C20-C21	-6.58	1.22	1.43
14	H	827	CLA	MG-NA	6.57	2.21	2.06
14	Q	201	CLA	MG-NA	6.55	2.21	2.06
14	L	206	CLA	MG-NA	6.53	2.21	2.06
14	h	206	CLA	MG-NA	6.52	2.21	2.06
14	H	817	CLA	MG-NA	6.51	2.21	2.06
17	h	202	BCR	C16-C17	-6.46	1.23	1.43
14	A	805	CLA	MG-NA	6.43	2.21	2.06
17	H	843	BCR	C16-C17	-6.42	1.23	1.43
14	h	205	CLA	O2A-C1	6.41	1.63	1.46
17	i	101	BCR	C20-C21	-6.40	1.23	1.43
14	B	830	CLA	MG-NA	6.37	2.21	2.06
14	B	801	CLA	MG-NA	6.35	2.21	2.06
14	Y	805	CLA	MG-NA	6.32	2.21	2.06
14	B	841	CLA	MG-NA	6.31	2.21	2.06
14	Z	812	CLA	O2A-C1	6.30	1.63	1.46
14	A	842	CLA	O2A-C1	6.27	1.63	1.46
14	G	802	CLA	MG-NA	6.25	2.21	2.06
14	Y	855	CLA	MG-NA	6.17	2.20	2.06
14	U	1006	CLA	O2D-CGD	6.17	1.48	1.33
14	Z	803	CLA	O2A-C1	6.12	1.62	1.46
14	Z	827	CLA	MG-NA	6.12	2.20	2.06
14	G	830	CLA	O2A-C1	6.10	1.62	1.46
14	H	828	CLA	O2A-C1	6.10	1.62	1.46
14	A	818	CLA	O2A-C1	6.09	1.62	1.46
14	B	806	CLA	MG-NA	6.06	2.20	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	809	CLA	O2A-C1	6.06	1.62	1.46
14	Z	816	CLA	O2A-C1	6.01	1.62	1.46
14	A	837	CLA	CHC-C1C	5.98	1.50	1.38
14	Z	819	CLA	O2D-CGD	5.97	1.47	1.33
14	Z	837	CLA	O2D-CGD	5.96	1.47	1.33
14	Y	827	CLA	O2A-C1	5.94	1.62	1.46
14	Y	843	CLA	O2A-C1	5.93	1.62	1.46
14	H	820	CLA	O2D-CGD	5.93	1.47	1.33
14	G	811	CLA	O2A-C1	5.92	1.62	1.46
14	H	807	CLA	O2D-CGD	5.91	1.47	1.33
14	H	813	CLA	O2A-C1	5.91	1.62	1.46
14	h	206	CLA	O2A-C1	5.91	1.62	1.46
14	G	818	CLA	O2A-C1	5.90	1.62	1.46
14	A	816	CLA	O2A-C1	5.89	1.62	1.46
14	G	802	CLA	O2A-C1	5.88	1.62	1.46
14	B	805	CLA	O2A-C1	5.88	1.61	1.46
14	L	205	CLA	O2A-C1	5.87	1.61	1.46
14	A	840	CLA	O2A-C1	5.86	1.61	1.46
14	B	838	CLA	O2A-C1	5.86	1.61	1.46
14	G	804	CLA	O2A-C1	5.85	1.61	1.46
14	Y	822	CLA	O2A-C1	5.85	1.61	1.46
14	Y	811	CLA	O2A-C1	5.83	1.61	1.46
14	Y	832	CLA	O2A-C1	5.80	1.61	1.46
14	B	825	CLA	O2A-C1	5.80	1.61	1.46
14	B	810	CLA	O2A-C1	5.80	1.61	1.46
14	h	205	CLA	O2D-CGD	5.79	1.47	1.33
14	H	809	CLA	O2A-C1	5.78	1.61	1.46
14	G	840	CLA	CHC-C1C	5.78	1.50	1.38
14	Y	837	CLA	O2A-C1	5.77	1.61	1.46
14	d	201	CLA	O2A-C1	5.77	1.61	1.46
14	A	821	CLA	O2A-C1	5.76	1.61	1.46
14	Y	838	CLA	CHC-C1C	5.76	1.50	1.38
14	H	816	CLA	O2A-C1	5.75	1.61	1.46
14	U	1002	CLA	O2A-C1	5.74	1.61	1.46
14	B	827	CLA	O2A-C1	5.74	1.61	1.46
14	Z	823	CLA	O2A-C1	5.74	1.61	1.46
14	G	820	CLA	O2A-C1	5.73	1.61	1.46
14	Y	823	CLA	O2A-C1	5.71	1.61	1.46
14	B	824	CLA	O2A-C1	5.71	1.61	1.46
14	G	821	CLA	O2A-C1	5.71	1.61	1.46
14	Z	806	CLA	O2D-CGD	5.70	1.47	1.33
14	A	834	CLA	O2A-C1	5.69	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	839	CLA	O2A-C1	5.69	1.61	1.46
14	G	827	CLA	CHC-C1C	5.68	1.49	1.38
14	G	841	CLA	O2A-C1	5.67	1.61	1.46
14	A	815	CLA	O2A-C1	5.67	1.61	1.46
14	B	814	CLA	O2A-C1	5.65	1.61	1.46
14	H	836	CLA	O2D-CGD	5.64	1.47	1.33
14	Z	839	CLA	O2A-C1	5.64	1.61	1.46
14	L	201	CLA	O2A-C1	5.64	1.61	1.46
14	L	202	CLA	O2A-C1	5.63	1.61	1.46
14	A	824	CLA	CHC-C1C	5.62	1.49	1.38
14	B	821	CLA	O2D-CGD	5.62	1.47	1.33
14	G	833	CLA	O2A-C1	5.61	1.61	1.46
14	H	803	CLA	MG-NA	5.60	2.19	2.06
14	Y	825	CLA	O2A-C1	5.60	1.61	1.46
14	B	829	CLA	O2A-C1	5.60	1.61	1.46
14	Y	814	CLA	O2A-C1	5.60	1.61	1.46
14	Y	821	CLA	CHC-C1C	5.60	1.49	1.38
14	g	102	CLA	O2D-CGD	5.59	1.47	1.33
14	Z	827	CLA	O2A-C1	5.59	1.61	1.46
14	Z	807	CLA	O2A-C1	5.58	1.61	1.46
14	Z	838	CLA	O2A-C1	5.58	1.61	1.46
14	Y	828	CLA	CHC-C1C	5.58	1.49	1.38
14	H	838	CLA	CHC-C1C	5.58	1.49	1.38
14	A	833	CLA	O2D-CGD	5.58	1.46	1.33
14	G	832	CLA	O2A-C1	5.58	1.61	1.46
14	Y	821	CLA	O2A-C1	5.57	1.61	1.46
14	A	823	CLA	O2D-CGD	5.57	1.46	1.33
14	G	819	CLA	CHD-C1D	5.57	1.49	1.38
14	Z	801	CLA	O2D-CGD	5.56	1.46	1.33
14	G	816	CLA	O2A-C1	5.56	1.61	1.46
14	G	824	CLA	O2A-C1	5.56	1.61	1.46
14	H	824	CLA	O2A-C1	5.56	1.61	1.46
14	H	804	CLA	O2A-C1	5.56	1.61	1.46
14	A	822	CLA	O2D-CGD	5.56	1.46	1.33
14	Z	832	CLA	O2D-CGD	5.56	1.46	1.33
14	h	206	CLA	CHC-C1C	5.55	1.49	1.38
14	Y	834	CLA	O2A-C1	5.55	1.61	1.46
14	G	823	CLA	O2A-C1	5.55	1.61	1.46
14	Y	813	CLA	O2A-C1	5.55	1.61	1.46
14	G	802	CLA	O2D-CGD	5.54	1.46	1.33
14	A	833	CLA	O2A-C1	5.54	1.61	1.46
14	Y	824	CLA	O2A-C1	5.54	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	812	CLA	O2A-C1	5.54	1.61	1.46
14	Y	840	CLA	O2A-C1	5.54	1.61	1.46
14	B	806	CLA	O2A-C1	5.54	1.61	1.46
14	Y	831	CLA	O2D-CGD	5.53	1.46	1.33
14	G	815	CLA	O2A-C1	5.53	1.61	1.46
14	H	831	CLA	CHD-C1D	5.53	1.49	1.38
14	G	807	CLA	O2A-C1	5.53	1.61	1.46
14	B	830	CLA	O2D-CGD	5.53	1.46	1.33
14	Y	818	CLA	O2D-CGD	5.53	1.46	1.33
14	Z	821	CLA	O2D-CGD	5.52	1.46	1.33
14	L	202	CLA	O2D-CGD	5.52	1.46	1.33
14	A	825	CLA	O2A-C1	5.52	1.61	1.46
14	B	823	CLA	O2D-CGD	5.52	1.46	1.33
14	f	102	CLA	O2A-C1	5.52	1.61	1.46
14	Z	821	CLA	O2A-C1	5.51	1.61	1.46
14	J	102	CLA	O2A-C1	5.51	1.61	1.46
14	G	808	CLA	O2A-C1	5.51	1.61	1.46
14	Y	835	CLA	O2A-C1	5.51	1.61	1.46
14	H	823	CLA	O2A-C1	5.50	1.60	1.46
14	H	811	CLA	O2D-CGD	5.50	1.46	1.33
14	Z	811	CLA	CHC-C1C	5.50	1.49	1.38
14	G	830	CLA	O2D-CGD	5.50	1.46	1.33
14	Y	804	CLA	O2A-C1	5.50	1.60	1.46
14	V	1201	CLA	CHC-C1C	5.49	1.49	1.38
14	Z	812	CLA	CHC-C1C	5.49	1.49	1.38
14	Y	818	CLA	O2A-C1	5.49	1.60	1.46
14	Y	814	CLA	CHC-C1C	5.49	1.49	1.38
14	Z	826	CLA	O2A-C1	5.49	1.60	1.46
14	Y	834	CLA	CHC-C1C	5.49	1.49	1.38
14	G	818	CLA	O2D-CGD	5.49	1.46	1.33
14	B	822	CLA	O2D-CGD	5.49	1.46	1.33
14	B	829	CLA	O2D-CGD	5.49	1.46	1.33
13	Y	801	CL0	O2A-C1	5.49	1.60	1.46
14	G	838	CLA	O2A-C1	5.49	1.60	1.46
14	A	818	CLA	O2D-CGD	5.48	1.46	1.33
14	Y	803	CLA	O2A-C1	5.48	1.60	1.46
14	L	206	CLA	O2A-C1	5.48	1.60	1.46
14	Q	201	CLA	O2D-CGD	5.48	1.46	1.33
14	A	830	CLA	O2A-C1	5.48	1.60	1.46
14	A	852	CLA	O2A-C1	5.48	1.60	1.46
14	H	818	CLA	O2A-C1	5.48	1.60	1.46
14	Z	815	CLA	O2A-C1	5.47	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	837	CLA	O2D-CGD	5.47	1.46	1.33
14	Y	826	CLA	CHC-C1C	5.47	1.49	1.38
14	Y	836	CLA	CHC-C1C	5.47	1.49	1.38
14	Y	817	CLA	O2A-C1	5.47	1.60	1.46
14	A	834	CLA	O2D-CGD	5.47	1.46	1.33
14	Y	831	CLA	O2A-C1	5.46	1.60	1.46
14	Y	830	CLA	CHC-C1C	5.46	1.49	1.38
14	H	815	CLA	O2D-CGD	5.46	1.46	1.33
14	A	841	CLA	O2A-C1	5.46	1.60	1.46
14	B	819	CLA	O2D-CGD	5.45	1.46	1.33
14	Z	825	CLA	O2A-C1	5.45	1.60	1.46
14	Z	805	CLA	O2D-CGD	5.45	1.46	1.33
14	A	828	CLA	O2D-CGD	5.45	1.46	1.33
14	B	839	CLA	O2D-CGD	5.44	1.46	1.33
14	A	832	CLA	O2A-C1	5.44	1.60	1.46
14	A	808	CLA	CHC-C1C	5.44	1.49	1.38
14	G	802	CLA	CHC-C1C	5.44	1.49	1.38
14	A	818	CLA	CHC-C1C	5.44	1.49	1.38
14	Z	817	CLA	O2A-C1	5.44	1.60	1.46
14	H	815	CLA	O2A-C1	5.43	1.60	1.46
14	Y	835	CLA	O2D-CGD	5.43	1.46	1.33
14	Y	822	CLA	O2D-CGD	5.43	1.46	1.33
14	A	823	CLA	O2A-C1	5.43	1.60	1.46
14	H	823	CLA	O2D-CGD	5.43	1.46	1.33
14	A	836	CLA	O2D-CGD	5.43	1.46	1.33
14	G	817	CLA	O2A-C1	5.42	1.60	1.46
14	G	834	CLA	CHC-C1C	5.42	1.49	1.38
14	Z	820	CLA	O2D-CGD	5.42	1.46	1.33
14	H	803	CLA	O2D-CGD	5.42	1.46	1.33
14	d	202	CLA	O2D-CGD	5.42	1.46	1.33
14	H	827	CLA	O2A-C1	5.42	1.60	1.46
14	Z	839	CLA	CHC-C1C	5.41	1.49	1.38
14	Y	807	CLA	O2A-C1	5.41	1.60	1.46
14	G	803	CLA	O2A-C1	5.40	1.60	1.46
14	Z	810	CLA	O2D-CGD	5.40	1.46	1.33
14	Z	833	CLA	O2D-CGD	5.40	1.46	1.33
14	B	831	CLA	O2D-CGD	5.40	1.46	1.33
13	G	801	CL0	O2A-C1	5.39	1.60	1.46
14	Z	830	CLA	O2D-CGD	5.39	1.46	1.33
14	A	837	CLA	O2D-CGD	5.39	1.46	1.33
14	Z	816	CLA	O2D-CGD	5.39	1.46	1.33
14	f	101	CLA	CHC-C1C	5.39	1.49	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	820	CLA	O2A-C1	5.39	1.60	1.46
14	G	808	CLA	O2D-CGD	5.38	1.46	1.33
14	H	809	CLA	O2D-CGD	5.38	1.46	1.33
14	A	817	CLA	O2D-CGD	5.38	1.46	1.33
14	Y	817	CLA	CHC-C1C	5.37	1.49	1.38
14	H	814	CLA	O2D-CGD	5.37	1.46	1.33
14	B	835	CLA	CHC-C1C	5.37	1.49	1.38
14	G	827	CLA	O2A-C1	5.37	1.60	1.46
14	B	816	CLA	O2A-C1	5.37	1.60	1.46
14	G	821	CLA	CHC-C1C	5.36	1.49	1.38
14	h	207	CLA	CHC-C1C	5.36	1.49	1.38
14	A	824	CLA	O2A-C1	5.36	1.60	1.46
14	G	843	CLA	O2D-CGD	5.36	1.46	1.33
14	Y	815	CLA	O2A-C1	5.36	1.60	1.46
14	G	814	CLA	O2A-C1	5.36	1.60	1.46
14	A	811	CLA	O2A-C1	5.36	1.60	1.46
14	B	802	CLA	O2A-C1	5.36	1.60	1.46
14	Y	809	CLA	O2A-C1	5.36	1.60	1.46
14	L	206	CLA	O2D-CGD	5.36	1.46	1.33
14	G	822	CLA	O2A-C1	5.36	1.60	1.46
14	A	817	CLA	O2A-C1	5.35	1.60	1.46
14	G	819	CLA	O2A-C1	5.35	1.60	1.46
14	A	812	CLA	O2A-C1	5.35	1.60	1.46
14	Y	816	CLA	O2A-C1	5.35	1.60	1.46
14	B	803	CLA	O2A-C1	5.35	1.60	1.46
14	Z	823	CLA	CHD-C1D	5.34	1.48	1.38
14	Y	834	CLA	O2D-CGD	5.34	1.46	1.33
14	Z	809	CLA	O2D-CGD	5.34	1.46	1.33
14	Z	805	CLA	O2A-C1	5.34	1.60	1.46
14	B	822	CLA	O2A-C1	5.34	1.60	1.46
14	A	825	CLA	O2D-CGD	5.34	1.46	1.33
14	S	1103	CLA	O2A-C1	5.33	1.60	1.46
18	Y	853	LHG	O7-C7	5.33	1.47	1.35
14	Y	824	CLA	O2D-CGD	5.33	1.46	1.33
13	A	801	CL0	O2A-C1	5.33	1.60	1.46
14	Y	855	CLA	O2D-CGD	5.33	1.46	1.33
14	G	839	CLA	O2D-CGD	5.33	1.46	1.33
14	H	828	CLA	O2D-CGD	5.33	1.46	1.33
14	H	812	CLA	O2D-CGD	5.32	1.46	1.33
14	K	103	CLA	O2D-CGD	5.32	1.46	1.33
14	Y	812	CLA	O2D-CGD	5.32	1.46	1.33
14	A	831	CLA	O2A-C1	5.32	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	836	CLA	O2A-C1	5.32	1.60	1.46
14	Z	822	CLA	O2A-C1	5.32	1.60	1.46
14	G	817	CLA	O2D-CGD	5.32	1.46	1.33
14	B	840	CLA	CHC-C1C	5.32	1.49	1.38
14	T	103	CLA	O2D-CGD	5.32	1.46	1.33
14	G	813	CLA	CHC-C1C	5.32	1.49	1.38
14	A	810	CLA	O2D-CGD	5.31	1.46	1.33
14	H	810	CLA	O2A-C1	5.31	1.60	1.46
14	A	806	CLA	O2A-C1	5.31	1.60	1.46
14	G	810	CLA	O2D-CGD	5.31	1.46	1.33
14	Y	841	CLA	O2A-C1	5.31	1.60	1.46
14	A	804	CLA	O2A-C1	5.31	1.60	1.46
14	Y	807	CLA	O2D-CGD	5.31	1.46	1.33
14	U	1003	CLA	O2A-C1	5.30	1.60	1.46
14	Y	854	CLA	O2A-C1	5.30	1.60	1.46
14	Z	814	CLA	O2A-C1	5.30	1.60	1.46
14	Y	806	CLA	O2A-C1	5.30	1.60	1.46
14	A	842	CLA	O2D-CGD	5.29	1.46	1.33
14	Y	807	CLA	CHC-C1C	5.29	1.49	1.38
15	Z	840	PQN	C10-C5	5.29	1.49	1.40
14	H	812	CLA	O2A-C1	5.29	1.60	1.46
14	A	806	CLA	CHC-C1C	5.29	1.49	1.38
14	H	826	CLA	O2A-C1	5.29	1.60	1.46
14	Y	823	CLA	CHC-C1C	5.29	1.49	1.38
14	B	832	CLA	O2D-CGD	5.29	1.46	1.33
14	B	840	CLA	O2A-C1	5.28	1.60	1.46
14	G	832	CLA	O2D-CGD	5.28	1.46	1.33
14	B	823	CLA	O2A-C1	5.28	1.60	1.46
14	A	813	CLA	O2A-C1	5.28	1.60	1.46
14	B	840	CLA	O2D-CGD	5.28	1.46	1.33
14	Z	804	CLA	O2A-C1	5.27	1.60	1.46
14	G	828	CLA	O2D-CGD	5.27	1.46	1.33
14	B	812	CLA	CHD-C1D	5.27	1.48	1.38
14	G	843	CLA	O2A-C1	5.27	1.60	1.46
14	G	809	CLA	O2A-C1	5.27	1.60	1.46
14	J	101	CLA	O2D-CGD	5.27	1.46	1.33
14	B	804	CLA	O2A-C1	5.27	1.60	1.46
14	H	838	CLA	O2A-C1	5.27	1.60	1.46
14	G	808	CLA	CHC-C1C	5.27	1.49	1.38
14	B	801	CLA	O2A-C1	5.26	1.60	1.46
14	H	820	CLA	CHD-C1D	5.26	1.48	1.38
14	Y	830	CLA	O2A-C1	5.26	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	206	CLA	CHC-C1C	5.26	1.49	1.38
14	L	201	CLA	CHC-C1C	5.26	1.49	1.38
14	B	814	CLA	CHC-C1C	5.26	1.49	1.38
14	Y	826	CLA	O2D-CGD	5.25	1.46	1.33
14	B	809	CLA	O2D-CGD	5.25	1.46	1.33
14	Y	829	CLA	CHD-C1D	5.25	1.48	1.38
14	A	827	CLA	CHC-C1C	5.25	1.49	1.38
14	G	807	CLA	O2D-CGD	5.24	1.46	1.33
14	Z	818	CLA	CHC-C1C	5.24	1.49	1.38
14	H	825	CLA	O2D-CGD	5.24	1.46	1.33
14	G	831	CLA	O2A-C1	5.24	1.60	1.46
14	Z	830	CLA	O2A-C1	5.24	1.60	1.46
14	A	822	CLA	O2A-C1	5.24	1.60	1.46
14	H	805	CLA	O2D-CGD	5.23	1.46	1.33
14	f	101	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	808	CLA	O2A-C1	5.23	1.60	1.46
14	Z	821	CLA	CHC-C1C	5.23	1.49	1.38
14	G	810	CLA	C3C-C2C	5.23	1.48	1.36
14	F	202	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	829	CLA	O2A-C1	5.23	1.60	1.46
14	G	814	CLA	CHC-C1C	5.23	1.49	1.38
14	A	808	CLA	O2A-C1	5.23	1.60	1.46
14	H	808	CLA	O2A-C1	5.23	1.60	1.46
14	Y	840	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	843	CLA	O2D-CGD	5.23	1.46	1.33
14	H	805	CLA	O2A-C1	5.22	1.60	1.46
14	H	825	CLA	O2A-C1	5.22	1.60	1.46
14	G	817	CLA	CHC-C1C	5.22	1.48	1.38
14	Y	841	CLA	CHC-C1C	5.22	1.48	1.38
14	G	825	CLA	O2A-C1	5.22	1.60	1.46
14	B	834	CLA	O2D-CGD	5.22	1.46	1.33
14	Y	808	CLA	O2D-CGD	5.22	1.46	1.33
14	B	807	CLA	O2A-C1	5.22	1.60	1.46
14	T	101	CLA	CHC-C1C	5.22	1.48	1.38
14	A	820	CLA	CHC-C1C	5.21	1.48	1.38
14	Z	815	CLA	CHC-C1C	5.21	1.48	1.38
14	A	842	CLA	CHC-C1C	5.21	1.48	1.38
14	A	820	CLA	O2A-C1	5.21	1.60	1.46
14	Y	833	CLA	O2D-CGD	5.21	1.46	1.33
14	G	834	CLA	O2D-CGD	5.21	1.46	1.33
14	Z	829	CLA	O2D-CGD	5.20	1.46	1.33
14	B	825	CLA	O2D-CGD	5.20	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	822	CLA	CHC-C1C	5.20	1.48	1.38
14	H	813	CLA	O2D-CGD	5.20	1.46	1.33
14	Y	823	CLA	O2D-CGD	5.20	1.46	1.33
14	Y	816	CLA	CHC-C1C	5.20	1.48	1.38
14	G	841	CLA	CHC-C1C	5.20	1.48	1.38
14	J	102	CLA	O2D-CGD	5.20	1.46	1.33
14	Y	833	CLA	O2A-C1	5.19	1.60	1.46
14	B	841	CLA	O2D-CGD	5.19	1.46	1.33
14	A	814	CLA	O2A-C1	5.19	1.60	1.46
14	B	837	CLA	O2A-C1	5.19	1.60	1.46
14	Y	842	CLA	O2D-CGD	5.19	1.46	1.33
14	Y	838	CLA	O2A-C1	5.19	1.60	1.46
14	G	836	CLA	CHD-C1D	5.19	1.48	1.38
14	Z	814	CLA	CHC-C1C	5.19	1.48	1.38
14	B	828	CLA	O2A-C1	5.19	1.60	1.46
14	V	1201	CLA	O2D-CGD	5.19	1.46	1.33
14	H	835	CLA	O2A-C1	5.19	1.60	1.46
14	G	812	CLA	O2A-C1	5.19	1.60	1.46
14	G	835	CLA	O2D-CGD	5.19	1.46	1.33
14	X	1701	CLA	O2D-CGD	5.19	1.46	1.33
14	Z	833	CLA	CHD-C1D	5.18	1.48	1.38
14	G	826	CLA	O2A-C1	5.18	1.60	1.46
14	Z	817	CLA	O2D-CGD	5.18	1.46	1.33
14	Y	839	CLA	O2A-C1	5.18	1.60	1.46
14	G	838	CLA	O2D-CGD	5.18	1.46	1.33
14	Z	807	CLA	O2D-CGD	5.18	1.46	1.33
14	Z	836	CLA	O2A-C1	5.18	1.60	1.46
14	H	809	CLA	CHC-C1C	5.18	1.48	1.38
14	H	807	CLA	O2A-C1	5.18	1.60	1.46
14	A	828	CLA	CHC-C1C	5.18	1.48	1.38
14	G	841	CLA	O2D-CGD	5.18	1.46	1.33
14	f	102	CLA	CHC-C1C	5.18	1.48	1.38
14	J	102	CLA	CHC-C1C	5.18	1.48	1.38
14	A	803	CLA	O2D-CGD	5.17	1.46	1.33
14	U	1006	CLA	O2A-C1	5.17	1.60	1.46
14	L	207	CLA	CHC-C1C	5.17	1.48	1.38
14	A	829	CLA	O2D-CGD	5.17	1.45	1.33
14	Y	811	CLA	O2D-CGD	5.17	1.45	1.33
14	Z	812	CLA	O2D-CGD	5.17	1.45	1.33
14	A	802	CLA	CHD-C1D	5.17	1.48	1.38
14	A	821	CLA	CHC-C1C	5.17	1.48	1.38
14	Z	809	CLA	O2A-C1	5.17	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	813	CLA	CHC-C1C	5.16	1.48	1.38
14	G	803	CLA	O2D-CGD	5.16	1.45	1.33
14	A	834	CLA	CHC-C1C	5.16	1.48	1.38
14	A	836	CLA	O2A-C1	5.16	1.60	1.46
14	Z	829	CLA	CHC-C1C	5.16	1.48	1.38
14	G	834	CLA	O2A-C1	5.16	1.60	1.46
14	H	803	CLA	O2A-C1	5.16	1.60	1.46
14	Y	805	CLA	CHC-C1C	5.16	1.48	1.38
14	B	825	CLA	CHC-C1C	5.16	1.48	1.38
14	A	827	CLA	O2A-C1	5.16	1.60	1.46
14	A	816	CLA	O2D-CGD	5.16	1.45	1.33
14	Y	843	CLA	CHC-C1C	5.16	1.48	1.38
14	G	837	CLA	CHC-C1C	5.16	1.48	1.38
14	G	806	CLA	O2A-C1	5.15	1.60	1.46
14	Y	820	CLA	CHC-C1C	5.15	1.48	1.38
14	G	816	CLA	O2D-CGD	5.15	1.45	1.33
14	H	802	CLA	O2A-C1	5.15	1.60	1.46
14	Z	820	CLA	O2A-C1	5.15	1.60	1.46
14	A	807	CLA	O2A-C1	5.15	1.60	1.46
14	J	101	CLA	CHC-C1C	5.15	1.48	1.38
14	B	826	CLA	O2A-C1	5.15	1.60	1.46
14	A	827	CLA	O2D-CGD	5.15	1.45	1.33
14	H	817	CLA	CHC-C1C	5.15	1.48	1.38
14	B	839	CLA	CHC-C1C	5.15	1.48	1.38
14	Z	802	CLA	O2D-CGD	5.15	1.45	1.33
14	A	839	CLA	O2D-CGD	5.15	1.45	1.33
14	Y	855	CLA	CHC-C1C	5.15	1.48	1.38
14	Z	830	CLA	CHC-C1C	5.14	1.48	1.38
14	f	102	CLA	O2D-CGD	5.14	1.45	1.33
14	B	824	CLA	O2D-CGD	5.14	1.45	1.33
14	H	801	CLA	C3C-C2C	5.14	1.47	1.36
14	H	804	CLA	O2D-CGD	5.14	1.45	1.33
14	Z	806	CLA	O2A-C1	5.14	1.60	1.46
14	Z	808	CLA	O2D-CGD	5.14	1.45	1.33
14	A	808	CLA	CHD-C1D	5.14	1.48	1.38
14	U	1002	CLA	CHC-C1C	5.14	1.48	1.38
14	Y	803	CLA	O2D-CGD	5.14	1.45	1.33
14	S	1101	CLA	CHD-C1D	5.14	1.48	1.38
14	G	824	CLA	O2D-CGD	5.14	1.45	1.33
14	H	829	CLA	CHC-C1C	5.13	1.48	1.38
14	B	809	CLA	O2A-C1	5.13	1.59	1.46
14	A	829	CLA	O2A-C1	5.13	1.59	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	819	CLA	CHC-C1C	5.13	1.48	1.38
14	Z	834	CLA	CHC-C1C	5.13	1.48	1.38
14	B	810	CLA	O2D-CGD	5.13	1.45	1.33
14	H	827	CLA	O2D-CGD	5.13	1.45	1.33
14	Y	818	CLA	CHD-C1D	5.13	1.48	1.38
14	Y	815	CLA	CHC-C1C	5.12	1.48	1.38
14	G	829	CLA	O2D-CGD	5.12	1.45	1.33
13	G	801	CL0	CHD-C1D	5.12	1.48	1.38
14	H	805	CLA	CHD-C1D	5.12	1.48	1.38
14	B	815	CLA	CHC-C1C	5.12	1.48	1.38
14	Y	815	CLA	O2D-CGD	5.12	1.45	1.33
14	H	835	CLA	O2D-CGD	5.12	1.45	1.33
14	H	801	CLA	O2A-C1	5.12	1.59	1.46
14	B	817	CLA	O2D-CGD	5.11	1.45	1.33
14	A	811	CLA	O2D-CGD	5.11	1.45	1.33
14	Z	831	CLA	O2D-CGD	5.11	1.45	1.33
14	A	803	CLA	CHC-C1C	5.11	1.48	1.38
14	S	1101	CLA	O2A-C1	5.11	1.59	1.46
14	S	1102	CLA	O2D-CGD	5.11	1.45	1.33
14	Y	818	CLA	C3C-C2C	5.11	1.47	1.36
14	K	101	CLA	CHD-C1D	5.11	1.48	1.38
14	A	817	CLA	CHC-C1C	5.11	1.48	1.38
14	G	821	CLA	O2D-CGD	5.11	1.45	1.33
14	Y	806	CLA	CHD-C1D	5.11	1.48	1.38
14	H	817	CLA	O2A-C1	5.11	1.59	1.46
14	Z	822	CLA	O2D-CGD	5.11	1.45	1.33
14	H	830	CLA	O2D-CGD	5.10	1.45	1.33
14	B	836	CLA	O2D-CGD	5.10	1.45	1.33
13	Y	801	CL0	O2D-CGD	5.10	1.45	1.33
14	B	820	CLA	CHD-C1D	5.10	1.48	1.38
14	Y	819	CLA	CHD-C1D	5.10	1.48	1.38
14	L	201	CLA	O2D-CGD	5.10	1.45	1.33
14	H	837	CLA	O2A-C1	5.10	1.59	1.46
14	Z	832	CLA	CHC-C1C	5.10	1.48	1.38
14	Y	809	CLA	CHC-C1C	5.10	1.48	1.38
14	Y	827	CLA	CHC-C1C	5.10	1.48	1.38
14	G	842	CLA	O2A-C1	5.09	1.59	1.46
14	H	801	CLA	CHC-C1C	5.09	1.48	1.38
14	G	840	CLA	O2A-C1	5.09	1.59	1.46
14	H	806	CLA	CHC-C1C	5.09	1.48	1.38
14	H	832	CLA	CHD-C1D	5.09	1.48	1.38
14	G	840	CLA	C3C-C2C	5.09	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	835	CLA	CHC-C1C	5.09	1.48	1.38
17	G	854	BCR	C10-C9	-5.09	1.24	1.35
14	H	821	CLA	O2A-C1	5.09	1.59	1.46
14	U	1004	CLA	O2A-C1	5.08	1.59	1.46
14	A	836	CLA	CHC-C1C	5.08	1.48	1.38
14	G	806	CLA	CHC-C1C	5.08	1.48	1.38
14	Z	817	CLA	CHC-C1C	5.08	1.48	1.38
14	A	826	CLA	O2A-C1	5.08	1.59	1.46
14	Y	809	CLA	CHD-C1D	5.08	1.48	1.38
14	Y	824	CLA	CHC-C1C	5.08	1.48	1.38
14	Z	839	CLA	O2D-CGD	5.08	1.45	1.33
14	Z	813	CLA	O2D-CGD	5.07	1.45	1.33
14	G	833	CLA	O2D-CGD	5.07	1.45	1.33
14	G	831	CLA	CHC-C1C	5.07	1.48	1.38
14	G	839	CLA	O2A-C1	5.07	1.59	1.46
14	B	841	CLA	O2A-C1	5.07	1.59	1.46
14	h	207	CLA	O2A-C1	5.07	1.59	1.46
14	A	808	CLA	O2D-CGD	5.06	1.45	1.33
14	L	207	CLA	O2D-CGD	5.06	1.45	1.33
14	Y	804	CLA	O2D-CGD	5.06	1.45	1.33
14	B	811	CLA	CHC-C1C	5.06	1.48	1.38
14	Z	828	CLA	O2D-CGD	5.06	1.45	1.33
14	A	806	CLA	O2D-CGD	5.06	1.45	1.33
14	U	1002	CLA	O2D-CGD	5.06	1.45	1.33
14	Z	803	CLA	O2D-CGD	5.06	1.45	1.33
14	Z	836	CLA	O2D-CGD	5.05	1.45	1.33
14	G	811	CLA	CHC-C1C	5.05	1.48	1.38
14	H	801	CLA	O2D-CGD	5.05	1.45	1.33
14	H	838	CLA	O2D-CGD	5.05	1.45	1.33
14	Y	818	CLA	CHC-C1C	5.05	1.48	1.38
14	B	822	CLA	CHC-C1C	5.05	1.48	1.38
14	A	807	CLA	O2D-CGD	5.05	1.45	1.33
14	Z	818	CLA	O2D-CGD	5.05	1.45	1.33
14	B	820	CLA	O2D-CGD	5.05	1.45	1.33
14	Y	802	CLA	O2A-C1	5.05	1.59	1.46
14	S	1103	CLA	O2D-CGD	5.05	1.45	1.33
14	A	816	CLA	CHD-C1D	5.05	1.48	1.38
14	Y	811	CLA	CHD-C1D	5.05	1.48	1.38
14	A	826	CLA	CHC-C1C	5.04	1.48	1.38
14	Z	834	CLA	O2D-CGD	5.04	1.45	1.33
14	Z	838	CLA	CHC-C1C	5.04	1.48	1.38
14	B	818	CLA	CHD-C1D	5.04	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	101	CLA	CHC-C1C	5.04	1.48	1.38
14	H	815	CLA	CHC-C1C	5.04	1.48	1.38
14	G	810	CLA	CHC-C1C	5.03	1.48	1.38
14	B	807	CLA	CHD-C1D	5.03	1.48	1.38
14	Y	832	CLA	O2D-CGD	5.03	1.45	1.33
14	Z	824	CLA	O2A-C1	5.03	1.59	1.46
14	B	813	CLA	O2D-CGD	5.03	1.45	1.33
14	G	829	CLA	O2A-C1	5.03	1.59	1.46
14	B	816	CLA	O2D-CGD	5.03	1.45	1.33
14	A	804	CLA	O2D-CGD	5.03	1.45	1.33
14	Y	840	CLA	CHC-C1C	5.02	1.48	1.38
14	G	812	CLA	CHC-C1C	5.02	1.48	1.38
14	A	835	CLA	O2D-CGD	5.02	1.45	1.33
14	H	817	CLA	C3C-C2C	5.02	1.47	1.36
14	G	804	CLA	CHD-C1D	5.02	1.48	1.38
14	G	825	CLA	O2D-CGD	5.02	1.45	1.33
14	Z	805	CLA	CHD-C1D	5.02	1.48	1.38
14	H	817	CLA	O2D-CGD	5.02	1.45	1.33
14	H	806	CLA	CHD-C1D	5.02	1.48	1.38
14	Z	817	CLA	C3C-C2C	5.02	1.47	1.36
14	S	1102	CLA	CHD-C1D	5.02	1.48	1.38
14	Y	806	CLA	O2D-CGD	5.02	1.45	1.33
14	A	820	CLA	O2D-CGD	5.02	1.45	1.33
14	H	828	CLA	CHD-C1D	5.02	1.48	1.38
14	B	835	CLA	O2D-CGD	5.02	1.45	1.33
14	H	835	CLA	CHC-C1C	5.02	1.48	1.38
14	j	102	CLA	O2D-CGD	5.01	1.45	1.33
14	A	805	CLA	O2A-C1	5.01	1.59	1.46
14	Y	825	CLA	O2D-CGD	5.01	1.45	1.33
14	B	834	CLA	CHC-C1C	5.01	1.48	1.38
14	S	1103	CLA	CHC-C1C	5.01	1.48	1.38
14	Y	811	CLA	CHC-C1C	5.01	1.48	1.38
14	B	811	CLA	O2D-CGD	5.01	1.45	1.33
14	H	804	CLA	CHD-C1D	5.01	1.48	1.38
14	H	822	CLA	O2D-CGD	5.01	1.45	1.33
14	G	816	CLA	CHD-C1D	5.01	1.48	1.38
14	Y	837	CLA	CHC-C1C	5.01	1.48	1.38
17	L	208	BCR	C10-C9	-5.01	1.24	1.35
14	G	811	CLA	C3C-C2C	5.00	1.47	1.36
14	Y	817	CLA	O2D-CGD	5.00	1.45	1.33
14	G	805	CLA	CHC-C1C	5.00	1.48	1.38
14	X	1701	CLA	CHC-C1C	5.00	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	807	CLA	CHC-C1C	5.00	1.48	1.38
14	Y	836	CLA	O2D-CGD	5.00	1.45	1.33
14	G	835	CLA	CHC-C1C	5.00	1.48	1.38
14	J	102	CLA	CHD-C1D	5.00	1.48	1.38
14	G	828	CLA	CHC-C1C	5.00	1.48	1.38
14	Y	855	CLA	O2A-C1	5.00	1.59	1.46
14	G	818	CLA	CHC-C1C	5.00	1.48	1.38
14	B	818	CLA	O2A-C1	5.00	1.59	1.46
14	Y	825	CLA	CHD-C1D	5.00	1.48	1.38
14	A	841	CLA	C3C-C2C	5.00	1.47	1.36
14	A	803	CLA	O2A-C1	4.99	1.59	1.46
14	H	830	CLA	CHC-C1C	4.99	1.48	1.38
14	Z	828	CLA	CHC-C1C	4.99	1.48	1.38
14	d	201	CLA	O2D-CGD	4.99	1.45	1.33
14	V	1201	CLA	O2A-C1	4.99	1.59	1.46
14	B	801	CLA	O2D-CGD	4.99	1.45	1.33
14	H	821	CLA	C3C-C2C	4.99	1.47	1.36
14	Z	831	CLA	O2A-C1	4.99	1.59	1.46
14	Y	830	CLA	O2D-CGD	4.99	1.45	1.33
14	G	840	CLA	CHD-C1D	4.99	1.48	1.38
14	B	820	CLA	C3C-C2C	4.99	1.47	1.36
14	A	826	CLA	O2D-CGD	4.99	1.45	1.33
14	A	836	CLA	CHD-C1D	4.99	1.48	1.38
14	U	1003	CLA	CHC-C1C	4.98	1.48	1.38
14	A	819	CLA	O2A-C1	4.98	1.59	1.46
14	A	812	CLA	O2D-CGD	4.98	1.45	1.33
14	H	837	CLA	CHC-C1C	4.98	1.48	1.38
14	Y	819	CLA	O2D-CGD	4.98	1.45	1.33
14	U	1004	CLA	OBD-CAD	4.98	1.31	1.22
14	A	812	CLA	C3C-C2C	4.98	1.47	1.36
14	B	823	CLA	CHC-C1C	4.98	1.48	1.38
14	Y	820	CLA	CHD-C1D	4.98	1.48	1.38
14	A	830	CLA	CHD-C1D	4.98	1.48	1.38
14	A	836	CLA	C3C-C2C	4.98	1.47	1.36
14	G	839	CLA	CHC-C1C	4.98	1.48	1.38
14	Q	201	CLA	O2A-C1	4.98	1.59	1.46
14	Z	813	CLA	C3C-C2C	4.98	1.47	1.36
14	A	833	CLA	C3D-C4D	-4.97	1.33	1.44
14	H	819	CLA	O2D-CGD	4.97	1.45	1.33
14	Y	803	CLA	CHC-C1C	4.97	1.48	1.38
14	G	820	CLA	O2D-CGD	4.97	1.45	1.33
14	H	818	CLA	O2D-CGD	4.97	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	812	CLA	CHD-C1D	4.97	1.48	1.38
14	B	819	CLA	O2A-C1	4.97	1.59	1.46
14	H	806	CLA	O2A-C1	4.97	1.59	1.46
14	Z	802	CLA	CHC-C1C	4.97	1.48	1.38
14	G	812	CLA	O2D-CGD	4.96	1.45	1.33
14	Y	832	CLA	CHC-C1C	4.96	1.48	1.38
14	U	1003	CLA	O2D-CGD	4.96	1.45	1.33
14	A	838	CLA	CHC-C1C	4.96	1.48	1.38
14	H	811	CLA	CHC-C1C	4.96	1.48	1.38
14	f	102	CLA	CHD-C1D	4.96	1.48	1.38
14	Z	835	CLA	CHC-C1C	4.96	1.48	1.38
14	G	836	CLA	O2D-CGD	4.96	1.45	1.33
14	B	802	CLA	CHC-C1C	4.96	1.48	1.38
14	H	803	CLA	CHD-C1D	4.96	1.48	1.38
14	Z	802	CLA	O2A-C1	4.95	1.59	1.46
14	A	821	CLA	O2D-CGD	4.95	1.45	1.33
14	A	805	CLA	CHD-C1D	4.95	1.48	1.38
14	Z	808	CLA	O2A-C1	4.95	1.59	1.46
14	B	811	CLA	O2A-C1	4.95	1.59	1.46
14	Z	811	CLA	O2D-CGD	4.95	1.45	1.33
14	G	833	CLA	CHC-C1C	4.95	1.48	1.38
14	H	832	CLA	O2D-CGD	4.94	1.45	1.33
14	A	852	CLA	OBD-CAD	4.94	1.31	1.22
14	G	840	CLA	O2D-CGD	4.94	1.45	1.33
14	B	837	CLA	O2D-CGD	4.94	1.45	1.33
14	H	802	CLA	O2D-CGD	4.94	1.45	1.33
14	H	804	CLA	CHC-C1C	4.94	1.48	1.38
14	G	829	CLA	CHC-C1C	4.94	1.48	1.38
14	Z	810	CLA	CHC-C1C	4.94	1.48	1.38
14	Y	835	CLA	CHD-C1D	4.94	1.48	1.38
14	A	830	CLA	O2D-CGD	4.94	1.45	1.33
14	Y	821	CLA	CHD-C1D	4.94	1.48	1.38
14	A	815	CLA	O2D-CGD	4.93	1.45	1.33
14	H	821	CLA	CHD-C1D	4.93	1.48	1.38
14	Q	203	CLA	O2D-CGD	4.93	1.45	1.33
14	A	839	CLA	CHD-C1D	4.93	1.48	1.38
14	B	814	CLA	O2D-CGD	4.93	1.45	1.33
14	Y	810	CLA	CHC-C1C	4.93	1.48	1.38
14	A	809	CLA	O2D-CGD	4.92	1.45	1.33
14	K	101	CLA	CHC-C1C	4.92	1.48	1.38
14	W	1701	CLA	CHD-C1D	4.92	1.48	1.38
14	H	810	CLA	CHC-C1C	4.92	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	201	CLA	CHD-C1D	4.92	1.48	1.38
14	Y	813	CLA	CHC-C1C	4.92	1.48	1.38
14	B	813	CLA	O2A-C1	4.92	1.59	1.46
14	B	826	CLA	O2D-CGD	4.92	1.45	1.33
14	Y	821	CLA	O2D-CGD	4.92	1.45	1.33
14	L	205	CLA	O2D-CGD	4.92	1.45	1.33
14	Y	806	CLA	CHC-C1C	4.92	1.48	1.38
14	Y	829	CLA	CHC-C1C	4.92	1.48	1.38
14	H	823	CLA	CHD-C1D	4.92	1.48	1.38
14	H	808	CLA	O2D-CGD	4.91	1.45	1.33
14	Y	828	CLA	O2A-C1	4.91	1.59	1.46
14	H	817	CLA	CHD-C1D	4.91	1.48	1.38
14	B	827	CLA	CHD-C1D	4.91	1.48	1.38
14	d	201	CLA	C3C-C2C	4.91	1.47	1.36
14	G	829	CLA	CHD-C1D	4.91	1.48	1.38
14	B	815	CLA	O2D-CGD	4.91	1.45	1.33
14	B	833	CLA	O2A-C1	4.90	1.59	1.46
14	Y	839	CLA	O2D-CGD	4.90	1.45	1.33
14	G	811	CLA	O2D-CGD	4.90	1.45	1.33
14	G	803	CLA	CHC-C1C	4.90	1.48	1.38
14	A	815	CLA	CHC-C1C	4.90	1.48	1.38
14	G	853	CLA	C3C-C2C	4.90	1.47	1.36
14	G	832	CLA	CHC-C1C	4.90	1.48	1.38
14	H	805	CLA	CHC-C1C	4.90	1.48	1.38
14	B	829	CLA	CHD-C1D	4.90	1.48	1.38
14	H	834	CLA	CHC-C1C	4.89	1.48	1.38
14	G	809	CLA	O2D-CGD	4.89	1.45	1.33
14	Y	809	CLA	O2D-CGD	4.89	1.45	1.33
14	Y	838	CLA	CHD-C1D	4.89	1.48	1.38
14	Y	810	CLA	O2D-CGD	4.89	1.45	1.33
14	G	804	CLA	O2D-CGD	4.89	1.45	1.33
14	g	101	CLA	CHD-C1D	4.89	1.48	1.38
14	B	827	CLA	C3D-C4D	-4.89	1.33	1.44
14	A	840	CLA	CHD-C1D	4.89	1.48	1.38
14	H	830	CLA	O2A-C1	4.89	1.59	1.46
14	G	804	CLA	CHC-C1C	4.89	1.48	1.38
14	Z	806	CLA	CHD-C1D	4.89	1.48	1.38
14	G	843	CLA	CHD-C1D	4.88	1.48	1.38
14	L	207	CLA	O2A-C1	4.88	1.59	1.46
14	A	841	CLA	CHD-C1D	4.88	1.47	1.38
14	H	837	CLA	CHD-C1D	4.88	1.47	1.38
14	d	202	CLA	CHC-C1C	4.88	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	842	CLA	CHD-C1D	4.88	1.47	1.38
13	A	801	CL0	CHD-C1D	4.88	1.47	1.38
14	Y	812	CLA	O2A-C1	4.88	1.59	1.46
18	G	852	LHG	O7-C7	4.88	1.48	1.34
14	G	813	CLA	C3D-C4D	-4.88	1.33	1.44
14	H	826	CLA	CHC-C1C	4.87	1.48	1.38
14	h	201	CLA	O2A-C1	4.87	1.59	1.46
14	G	826	CLA	O2D-CGD	4.87	1.45	1.33
14	Y	805	CLA	O2D-CGD	4.87	1.45	1.33
14	H	833	CLA	CHD-C1D	4.87	1.47	1.38
14	L	201	CLA	C3D-C4D	-4.87	1.33	1.44
14	W	1701	CLA	CHC-C1C	4.87	1.48	1.38
14	Y	833	CLA	C3D-C4D	-4.87	1.33	1.44
14	B	835	CLA	CHD-C1D	4.87	1.47	1.38
14	A	807	CLA	CHD-C1D	4.87	1.47	1.38
14	H	824	CLA	CHC-C1C	4.87	1.48	1.38
14	L	201	CLA	C3C-C2C	4.87	1.47	1.36
13	G	801	CL0	CHC-C1C	4.87	1.48	1.38
14	B	802	CLA	CHD-C1D	4.86	1.47	1.38
17	H	841	BCR	C10-C9	-4.86	1.24	1.35
14	G	813	CLA	O2D-CGD	4.86	1.45	1.33
14	A	823	CLA	C3C-C2C	4.86	1.47	1.36
17	f	104	BCR	C10-C9	-4.86	1.24	1.35
14	Y	826	CLA	O2A-C1	4.86	1.59	1.46
14	Y	854	CLA	CHC-C1C	4.86	1.48	1.38
14	B	806	CLA	C3D-C4D	-4.86	1.33	1.44
14	H	833	CLA	O2D-CGD	4.86	1.45	1.33
14	A	805	CLA	CHC-C1C	4.85	1.48	1.38
14	H	821	CLA	O2D-CGD	4.85	1.45	1.33
14	A	831	CLA	CHC-C1C	4.85	1.48	1.38
14	Z	801	CLA	CHC-C1C	4.85	1.48	1.38
14	A	802	CLA	CHD-C4C	4.85	1.50	1.39
14	G	820	CLA	C3C-C2C	4.85	1.47	1.36
14	A	823	CLA	CHC-C1C	4.85	1.48	1.38
14	G	819	CLA	O2D-CGD	4.85	1.45	1.33
14	A	824	CLA	O2D-CGD	4.85	1.45	1.33
14	A	835	CLA	CHC-C1C	4.84	1.48	1.38
14	G	826	CLA	CHC-C1C	4.84	1.48	1.38
14	B	801	CLA	CHD-C1D	4.84	1.47	1.38
14	Z	801	CLA	O2A-C1	4.84	1.59	1.46
14	A	821	CLA	C3D-C4D	-4.84	1.33	1.44
14	L	206	CLA	C3D-C4D	-4.84	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	819	CLA	CHC-C1C	4.84	1.48	1.38
14	B	808	CLA	O2D-CGD	4.84	1.45	1.33
14	G	827	CLA	C3D-C4D	-4.84	1.33	1.44
14	H	837	CLA	O2D-CGD	4.84	1.45	1.33
14	B	833	CLA	O2D-CGD	4.83	1.45	1.33
14	H	812	CLA	CHD-C1D	4.83	1.47	1.38
14	B	812	CLA	O2D-CGD	4.83	1.45	1.33
14	Z	825	CLA	O2D-CGD	4.83	1.45	1.33
14	Z	820	CLA	CHC-C1C	4.83	1.48	1.38
14	G	836	CLA	C3D-C4D	-4.83	1.33	1.44
14	G	843	CLA	C3C-C2C	4.83	1.47	1.36
14	A	837	CLA	O2A-C1	4.83	1.59	1.46
14	G	842	CLA	O2D-CGD	4.83	1.45	1.33
14	H	831	CLA	CHC-C1C	4.83	1.48	1.38
14	Y	805	CLA	O2A-C1	4.83	1.59	1.46
14	H	834	CLA	O2D-CGD	4.83	1.45	1.33
14	A	811	CLA	CHD-C1D	4.83	1.47	1.38
14	H	829	CLA	O2D-CGD	4.82	1.45	1.33
14	Y	824	CLA	C3C-C2C	4.82	1.47	1.36
14	G	830	CLA	CHD-C1D	4.82	1.47	1.38
15	H	839	PQN	C10-C5	4.82	1.48	1.40
14	H	816	CLA	O2D-CGD	4.82	1.45	1.33
14	Y	802	CLA	O2D-CGD	4.82	1.45	1.33
14	G	805	CLA	O2D-CGD	4.82	1.45	1.33
14	Z	804	CLA	O2D-CGD	4.82	1.45	1.33
14	A	841	CLA	CHC-C1C	4.82	1.48	1.38
14	Z	809	CLA	CHD-C1D	4.82	1.47	1.38
14	A	828	CLA	O2A-C1	4.82	1.59	1.46
14	B	817	CLA	CHD-C1D	4.82	1.47	1.38
14	G	824	CLA	CHD-C1D	4.82	1.47	1.38
14	Y	803	CLA	CHD-C1D	4.82	1.47	1.38
14	Y	842	CLA	O2A-C1	4.81	1.59	1.46
14	Y	804	CLA	CHD-C1D	4.81	1.47	1.38
14	G	817	CLA	CHD-C1D	4.81	1.47	1.38
14	Y	834	CLA	CHC-C4B	4.81	1.50	1.39
17	B	843	BCR	C10-C9	-4.81	1.24	1.35
14	H	812	CLA	CHC-C1C	4.81	1.48	1.38
14	A	838	CLA	O2A-C1	4.81	1.59	1.46
14	G	853	CLA	CHC-C1C	4.81	1.48	1.38
14	G	831	CLA	O2D-CGD	4.81	1.45	1.33
14	G	815	CLA	O2D-CGD	4.80	1.45	1.33
14	G	839	CLA	CHD-C1D	4.80	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	831	CLA	CHC-C1C	4.80	1.48	1.38
14	Z	809	CLA	CHC-C1C	4.80	1.48	1.38
14	A	822	CLA	CHD-C1D	4.80	1.47	1.38
14	B	831	CLA	C3C-C2C	4.80	1.47	1.36
14	G	834	CLA	C3C-C2C	4.80	1.47	1.36
14	B	816	CLA	C3C-C2C	4.80	1.47	1.36
14	A	807	CLA	C3C-C2C	4.80	1.47	1.36
14	B	812	CLA	C3C-C2C	4.80	1.47	1.36
14	h	207	CLA	O2D-CGD	4.79	1.45	1.33
14	A	809	CLA	CHC-C1C	4.79	1.48	1.38
14	H	825	CLA	CHC-C1C	4.79	1.48	1.38
14	f	102	CLA	C3C-C2C	4.79	1.47	1.36
14	G	809	CLA	CHC-C1C	4.79	1.48	1.38
14	h	205	CLA	CHD-C1D	4.79	1.47	1.38
14	G	820	CLA	C3D-C4D	-4.79	1.33	1.44
14	Y	812	CLA	CHC-C1C	4.79	1.48	1.38
14	Y	816	CLA	CHD-C1D	4.78	1.47	1.38
14	G	827	CLA	O2D-CGD	4.78	1.45	1.33
14	Z	821	CLA	C3C-C2C	4.78	1.47	1.36
14	H	822	CLA	O2A-C1	4.78	1.59	1.46
14	A	819	CLA	CHC-C1C	4.78	1.48	1.38
14	Z	814	CLA	O2D-CGD	4.78	1.45	1.33
14	h	206	CLA	O2D-CGD	4.78	1.45	1.33
14	Z	803	CLA	CHC-C1C	4.78	1.48	1.38
14	A	825	CLA	CHD-C1D	4.78	1.47	1.38
14	A	816	CLA	CHC-C1C	4.78	1.48	1.38
14	Z	812	CLA	CHC-C4B	4.78	1.50	1.39
14	Z	829	CLA	C3C-C2C	4.77	1.47	1.36
14	G	853	CLA	CHD-C1D	4.77	1.47	1.38
14	Z	831	CLA	CHC-C1C	4.77	1.48	1.38
14	B	823	CLA	CHD-C1D	4.77	1.47	1.38
14	B	809	CLA	C3D-C4D	-4.77	1.33	1.44
14	Y	829	CLA	C3C-C2C	4.77	1.47	1.36
14	G	827	CLA	CHC-C4B	4.77	1.50	1.39
14	B	817	CLA	O2A-C1	4.77	1.59	1.46
14	G	834	CLA	CHD-C1D	4.77	1.47	1.38
14	A	814	CLA	C3C-C2C	4.77	1.47	1.36
14	B	809	CLA	CHD-C1D	4.76	1.47	1.38
14	Y	829	CLA	CHD-C4C	4.76	1.50	1.39
14	Z	835	CLA	CHD-C1D	4.76	1.47	1.38
14	Y	829	CLA	C3D-C4D	-4.76	1.33	1.44
14	T	103	CLA	CHC-C1C	4.76	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	h	201	CLA	O2D-CGD	4.76	1.44	1.33
14	Z	830	CLA	C3D-C4D	-4.76	1.33	1.44
14	Z	829	CLA	CHD-C1D	4.76	1.47	1.38
14	H	820	CLA	CHC-C1C	4.76	1.48	1.38
14	T	101	CLA	CHD-C1D	4.76	1.47	1.38
14	Z	827	CLA	CHD-C1D	4.76	1.47	1.38
14	A	802	CLA	O2A-C1	4.75	1.58	1.46
14	h	201	CLA	C3D-C4D	-4.75	1.33	1.44
14	G	826	CLA	CHD-C1D	4.75	1.47	1.38
14	B	838	CLA	CHC-C1C	4.75	1.48	1.38
14	A	806	CLA	CHD-C1D	4.75	1.47	1.38
14	B	820	CLA	C3D-C4D	-4.75	1.33	1.44
14	H	831	CLA	O2D-CGD	4.75	1.44	1.33
14	A	810	CLA	CHD-C1D	4.75	1.47	1.38
14	Y	819	CLA	O2A-C1	4.75	1.58	1.46
14	G	828	CLA	O2A-C1	4.75	1.58	1.46
14	G	841	CLA	OBD-CAD	4.75	1.30	1.22
14	Y	802	CLA	CHC-C1C	4.75	1.48	1.38
14	Z	823	CLA	C3C-C2C	4.75	1.47	1.36
14	h	207	CLA	CHD-C1D	4.75	1.47	1.38
14	Z	835	CLA	O2A-C1	4.75	1.58	1.46
14	H	826	CLA	O2D-CGD	4.75	1.44	1.33
14	Z	825	CLA	CHC-C1C	4.74	1.48	1.38
14	H	834	CLA	O2A-C1	4.74	1.58	1.46
14	B	841	CLA	C3C-C2C	4.74	1.47	1.36
14	B	838	CLA	O2D-CGD	4.74	1.44	1.33
14	H	824	CLA	O2D-CGD	4.74	1.44	1.33
14	S	1101	CLA	C3C-C2C	4.74	1.47	1.36
14	B	810	CLA	C3D-C4D	-4.74	1.33	1.44
14	A	814	CLA	CHC-C1C	4.74	1.48	1.38
14	B	811	CLA	C3C-C2C	4.74	1.47	1.36
14	U	1006	CLA	CHC-C1C	4.74	1.48	1.38
14	Z	827	CLA	C3D-C4D	-4.74	1.33	1.44
14	A	832	CLA	C3D-C4D	-4.74	1.33	1.44
14	A	831	CLA	C3D-C4D	-4.74	1.33	1.44
14	Z	822	CLA	C3C-C2C	4.74	1.47	1.36
14	H	826	CLA	CHD-C1D	4.74	1.47	1.38
14	B	831	CLA	CHD-C1D	4.74	1.47	1.38
14	H	833	CLA	CHC-C1C	4.74	1.48	1.38
14	B	828	CLA	CHD-C1D	4.74	1.47	1.38
14	Z	814	CLA	CHD-C1D	4.74	1.47	1.38
14	Y	828	CLA	O2D-CGD	4.74	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	839	CLA	CHC-C1C	4.73	1.48	1.38
14	A	810	CLA	CHC-C1C	4.73	1.48	1.38
14	B	813	CLA	C3D-C4D	-4.73	1.33	1.44
14	G	814	CLA	O2D-CGD	4.73	1.44	1.33
14	H	802	CLA	CHD-C1D	4.73	1.47	1.38
14	B	812	CLA	C3D-C4D	-4.73	1.33	1.44
14	S	1101	CLA	O2D-CGD	4.73	1.44	1.33
14	Y	827	CLA	CHC-C4B	4.73	1.50	1.39
14	Y	802	CLA	CHD-C1D	4.73	1.47	1.38
14	B	808	CLA	C3D-C4D	-4.73	1.33	1.44
14	A	840	CLA	O2D-CGD	4.73	1.44	1.33
14	A	821	CLA	C3C-C2C	4.73	1.47	1.36
14	Z	816	CLA	CHC-C1C	4.73	1.48	1.38
14	B	836	CLA	CHC-C1C	4.72	1.47	1.38
14	B	807	CLA	O2D-CGD	4.72	1.44	1.33
14	U	1003	CLA	C3D-C4D	-4.72	1.33	1.44
14	B	825	CLA	C3C-C2C	4.72	1.47	1.36
14	B	814	CLA	CHD-C1D	4.72	1.47	1.38
14	G	836	CLA	CHC-C1C	4.72	1.47	1.38
14	Z	833	CLA	CHC-C1C	4.72	1.47	1.38
14	G	806	CLA	O2D-CGD	4.72	1.44	1.33
14	Z	806	CLA	C3D-C4D	-4.72	1.33	1.44
14	B	816	CLA	CHD-C1D	4.72	1.47	1.38
14	Y	827	CLA	O2D-CGD	4.72	1.44	1.33
14	h	206	CLA	C3C-C2C	4.72	1.46	1.36
14	H	835	CLA	CHD-C1D	4.72	1.47	1.38
14	Y	813	CLA	C3D-C4D	-4.72	1.33	1.44
14	H	812	CLA	C3D-C4D	-4.71	1.33	1.44
14	Z	825	CLA	C3D-C4D	-4.71	1.33	1.44
13	A	801	CL0	C3D-C4D	-4.71	1.33	1.44
14	G	815	CLA	C3C-C2C	4.71	1.46	1.36
14	B	841	CLA	CHC-C1C	4.71	1.47	1.38
14	h	205	CLA	CHC-C1C	4.71	1.47	1.38
14	Y	814	CLA	C3C-C2C	4.71	1.46	1.36
14	Z	825	CLA	CHD-C1D	4.71	1.47	1.38
14	G	836	CLA	C3C-C2C	4.71	1.46	1.36
14	B	833	CLA	CHC-C1C	4.71	1.47	1.38
14	Z	826	CLA	O2D-CGD	4.71	1.44	1.33
14	Z	804	CLA	C3D-C4D	-4.71	1.33	1.44
14	A	852	CLA	O2D-CGD	4.71	1.44	1.33
14	G	812	CLA	C3C-C2C	4.70	1.46	1.36
14	B	834	CLA	C3D-C4D	-4.70	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	833	CLA	C3C-C2C	4.70	1.46	1.36
13	G	801	CL0	C3C-C2C	4.70	1.46	1.36
17	B	847	BCR	C10-C9	-4.70	1.24	1.35
14	g	102	CLA	CHD-C1D	4.70	1.47	1.38
14	Z	834	CLA	C3C-C2C	4.70	1.46	1.36
14	G	837	CLA	O2A-C1	4.70	1.58	1.46
14	B	836	CLA	CHD-C1D	4.70	1.47	1.38
14	G	816	CLA	CHC-C1C	4.70	1.47	1.38
14	W	1701	CLA	O2D-CGD	4.70	1.44	1.33
14	H	836	CLA	CHC-C1C	4.70	1.47	1.38
14	A	821	CLA	CHD-C1D	4.69	1.47	1.38
14	A	828	CLA	CHD-C1D	4.69	1.47	1.38
14	A	832	CLA	C3C-C2C	4.69	1.46	1.36
14	B	813	CLA	CHD-C1D	4.69	1.47	1.38
14	A	835	CLA	CHD-C1D	4.69	1.47	1.38
14	H	813	CLA	C3C-C2C	4.69	1.46	1.36
14	G	843	CLA	CHC-C1C	4.69	1.47	1.38
14	G	806	CLA	CHD-C1D	4.69	1.47	1.38
17	R	102	BCR	C10-C9	-4.69	1.25	1.35
14	f	101	CLA	C3C-C2C	4.69	1.46	1.36
14	A	819	CLA	CHD-C1D	4.68	1.47	1.38
14	Y	830	CLA	C3D-C4D	-4.68	1.33	1.44
14	Z	818	CLA	C3C-C2C	4.68	1.46	1.36
14	Y	814	CLA	CHD-C1D	4.68	1.47	1.38
14	Y	840	CLA	CHD-C1D	4.68	1.47	1.38
14	H	816	CLA	CHC-C1C	4.68	1.47	1.38
14	A	830	CLA	C3D-C4D	-4.68	1.33	1.44
14	A	839	CLA	CHC-C1C	4.68	1.47	1.38
14	A	823	CLA	CHD-C1D	4.68	1.47	1.38
14	G	823	CLA	CHD-C1D	4.68	1.47	1.38
14	A	816	CLA	C3C-C2C	4.68	1.46	1.36
14	H	814	CLA	CHC-C1C	4.68	1.47	1.38
14	L	207	CLA	C3D-C4D	-4.68	1.33	1.44
14	H	823	CLA	CHC-C1C	4.68	1.47	1.38
15	A	843	PQN	C10-C5	4.68	1.48	1.40
14	H	818	CLA	C3C-C2C	4.68	1.46	1.36
14	G	813	CLA	CHD-C1D	4.68	1.47	1.38
14	Z	835	CLA	C3D-C4D	-4.68	1.33	1.44
14	J	101	CLA	C3C-C2C	4.68	1.46	1.36
14	B	804	CLA	CHC-C1C	4.68	1.47	1.38
14	g	102	CLA	CHC-C1C	4.68	1.47	1.38
14	L	205	CLA	C3D-C4D	-4.67	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	801	CL0	O2D-CGD	4.67	1.44	1.33
14	B	803	CLA	O2D-CGD	4.67	1.44	1.33
14	A	817	CLA	CHD-C1D	4.67	1.47	1.38
14	G	820	CLA	CHC-C1C	4.67	1.47	1.38
14	L	202	CLA	CHC-C1C	4.67	1.47	1.38
14	L	205	CLA	CHC-C1C	4.67	1.47	1.38
14	Y	821	CLA	CHC-C4B	4.67	1.49	1.39
14	B	804	CLA	CHD-C1D	4.67	1.47	1.38
14	H	818	CLA	CHC-C1C	4.67	1.47	1.38
14	Y	831	CLA	C3D-C4D	-4.67	1.33	1.44
14	Y	840	CLA	C3C-C2C	4.66	1.46	1.36
14	B	818	CLA	O2D-CGD	4.66	1.44	1.33
14	B	824	CLA	CHC-C1C	4.66	1.47	1.38
14	d	202	CLA	CHD-C1D	4.66	1.47	1.38
14	Y	843	CLA	C3D-C4D	-4.66	1.33	1.44
14	G	823	CLA	O2D-CGD	4.66	1.44	1.33
14	Z	820	CLA	CHD-C1D	4.66	1.47	1.38
14	B	817	CLA	C3D-C4D	-4.66	1.33	1.44
18	Y	852	LHG	O8-C23	4.66	1.46	1.33
14	A	834	CLA	CHD-C1D	4.66	1.47	1.38
14	H	814	CLA	CHD-C1D	4.66	1.47	1.38
14	H	810	CLA	CHD-C1D	4.66	1.47	1.38
14	G	822	CLA	CHD-C1D	4.65	1.47	1.38
14	B	809	CLA	CHC-C1C	4.65	1.47	1.38
14	Z	813	CLA	CHC-C1C	4.65	1.47	1.38
14	A	842	CLA	C3D-C4D	-4.65	1.33	1.44
14	B	805	CLA	C3D-C4D	-4.65	1.33	1.44
14	Z	824	CLA	O2D-CGD	4.65	1.44	1.33
14	A	841	CLA	O2D-CGD	4.65	1.44	1.33
14	B	809	CLA	C3C-C2C	4.65	1.46	1.36
14	Y	816	CLA	O2D-CGD	4.65	1.44	1.33
14	A	812	CLA	C3D-C4D	-4.64	1.33	1.44
14	H	822	CLA	CHD-C1D	4.64	1.47	1.38
14	Z	812	CLA	CHD-C4C	4.64	1.49	1.39
14	G	812	CLA	CHD-C1D	4.64	1.47	1.38
14	B	836	CLA	C3D-C4D	-4.64	1.33	1.44
14	G	811	CLA	CHD-C1D	4.64	1.47	1.38
14	d	201	CLA	CHC-C1C	4.64	1.47	1.38
14	Y	822	CLA	CHD-C1D	4.64	1.47	1.38
14	B	822	CLA	CHD-C1D	4.64	1.47	1.38
14	A	820	CLA	C3D-C4D	-4.64	1.33	1.44
14	G	837	CLA	O2D-CGD	4.64	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	C3D-C4D	-4.63	1.33	1.44
17	Q	202	BCR	C10-C9	-4.63	1.25	1.35
14	Z	814	CLA	C3C-C2C	4.63	1.46	1.36
14	G	832	CLA	CHD-C1D	4.63	1.47	1.38
14	Y	817	CLA	C3C-C2C	4.63	1.46	1.36
14	A	812	CLA	CHD-C1D	4.63	1.47	1.38
14	B	834	CLA	CHD-C1D	4.63	1.47	1.38
14	G	842	CLA	C3C-C2C	4.63	1.46	1.36
14	Y	839	CLA	CHD-C1D	4.63	1.47	1.38
14	A	813	CLA	CHD-C1D	4.63	1.47	1.38
14	B	807	CLA	CHC-C1C	4.63	1.47	1.38
14	B	812	CLA	CHC-C1C	4.63	1.47	1.38
14	G	842	CLA	CHD-C1D	4.63	1.47	1.38
14	A	827	CLA	CHD-C1D	4.63	1.47	1.38
14	Z	821	CLA	CHD-C1D	4.63	1.47	1.38
14	A	829	CLA	C3C-C2C	4.63	1.46	1.36
14	H	830	CLA	C3C-C2C	4.62	1.46	1.36
14	W	1701	CLA	C3C-C2C	4.62	1.46	1.36
14	B	831	CLA	C3D-C4D	-4.62	1.33	1.44
14	Z	812	CLA	CHD-C1D	4.62	1.47	1.38
14	V	1201	CLA	OBD-CAD	4.62	1.30	1.22
14	H	827	CLA	CHC-C1C	4.62	1.47	1.38
14	G	819	CLA	OBD-CAD	4.62	1.30	1.22
14	B	806	CLA	CHC-C1C	4.62	1.47	1.38
17	Y	851	BCR	C10-C9	-4.62	1.25	1.35
14	Z	811	CLA	O2A-C1	4.62	1.58	1.46
13	A	801	CL0	O2D-CGD	4.62	1.44	1.33
14	G	812	CLA	C3D-C4D	-4.62	1.33	1.44
14	Z	832	CLA	CHD-C1D	4.62	1.47	1.38
17	h	203	BCR	C10-C9	-4.62	1.25	1.35
14	Z	812	CLA	C3C-C2C	4.61	1.46	1.36
14	G	853	CLA	O2D-CGD	4.61	1.44	1.33
17	R	101	BCR	C10-C9	-4.61	1.25	1.35
17	S	1104	BCR	C10-C9	-4.61	1.25	1.35
14	B	803	CLA	CHC-C1C	4.61	1.47	1.38
14	B	819	CLA	CHC-C1C	4.61	1.47	1.38
14	A	802	CLA	O2D-CGD	4.61	1.44	1.33
14	A	811	CLA	C3C-C2C	4.61	1.46	1.36
14	H	808	CLA	CHD-C1D	4.61	1.47	1.38
14	A	837	CLA	C3D-C4D	-4.61	1.33	1.44
14	Z	823	CLA	C3D-C4D	-4.61	1.33	1.44
14	Q	203	CLA	CHD-C1D	4.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	807	CLA	CHD-C1D	4.61	1.47	1.38
14	Z	811	CLA	C3D-C4D	-4.61	1.33	1.44
14	H	833	CLA	C3D-C4D	-4.61	1.33	1.44
13	Y	801	CL0	C3C-C2C	4.61	1.46	1.36
14	Y	805	CLA	CHD-C1D	4.61	1.47	1.38
14	Z	819	CLA	CHC-C1C	4.61	1.47	1.38
14	Z	805	CLA	C3C-C2C	4.61	1.46	1.36
14	B	827	CLA	CHC-C1C	4.61	1.47	1.38
14	B	811	CLA	CHD-C1D	4.60	1.47	1.38
14	G	820	CLA	CHD-C1D	4.60	1.47	1.38
14	H	837	CLA	CHB-C1B	4.60	1.49	1.39
14	B	810	CLA	CHD-C1D	4.60	1.47	1.38
14	H	803	CLA	C3C-C2C	4.60	1.46	1.36
14	Y	837	CLA	C3C-C2C	4.60	1.46	1.36
14	A	837	CLA	C3C-C2C	4.60	1.46	1.36
14	Y	808	CLA	CHC-C1C	4.60	1.47	1.38
14	G	821	CLA	C3D-C4D	-4.59	1.33	1.44
14	H	815	CLA	C3D-C4D	-4.59	1.33	1.44
14	Z	823	CLA	O2D-CGD	4.59	1.44	1.33
14	A	818	CLA	C3D-C4D	-4.59	1.33	1.44
14	A	805	CLA	O2D-CGD	4.59	1.44	1.33
14	Y	854	CLA	OBD-CAD	4.59	1.30	1.22
14	B	816	CLA	CHC-C1C	4.59	1.47	1.38
14	A	828	CLA	C3D-C4D	-4.59	1.33	1.44
14	H	823	CLA	C3C-C2C	4.59	1.46	1.36
14	G	805	CLA	O2A-C1	4.59	1.58	1.46
14	G	815	CLA	CHD-C1D	4.59	1.47	1.38
14	A	842	CLA	C3C-C2C	4.59	1.46	1.36
14	H	823	CLA	C3D-C4D	-4.58	1.33	1.44
14	Y	823	CLA	CHB-C1B	4.58	1.49	1.39
14	Y	839	CLA	C3C-C2C	4.58	1.46	1.36
14	f	101	CLA	CHD-C1D	4.58	1.47	1.38
14	H	806	CLA	C3D-C4D	-4.58	1.33	1.44
17	G	849	BCR	C10-C9	-4.58	1.25	1.35
14	H	826	CLA	C3D-C4D	-4.58	1.33	1.44
14	Z	815	CLA	O2D-CGD	4.58	1.44	1.33
14	Y	813	CLA	C3C-C2C	4.58	1.46	1.36
14	T	103	CLA	CHD-C1D	4.58	1.47	1.38
14	Y	826	CLA	C3C-C2C	4.58	1.46	1.36
14	Y	842	CLA	C3D-C4D	-4.58	1.33	1.44
14	j	102	CLA	CHC-C1C	4.58	1.47	1.38
14	B	803	CLA	C3C-C2C	4.57	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	812	CLA	CHD-C4C	4.57	1.49	1.39
14	Z	802	CLA	C3D-C4D	-4.57	1.33	1.44
14	Y	838	CLA	CHC-C4B	4.57	1.49	1.39
14	Z	824	CLA	CHD-C1D	4.57	1.47	1.38
14	K	103	CLA	CHC-C1C	4.57	1.47	1.38
14	B	832	CLA	CHC-C1C	4.57	1.47	1.38
14	B	808	CLA	O2A-C1	4.57	1.58	1.46
14	H	806	CLA	O2D-CGD	4.57	1.44	1.33
14	Z	815	CLA	CHD-C1D	4.57	1.47	1.38
14	A	834	CLA	C3C-C2C	4.57	1.46	1.36
14	G	805	CLA	C3D-C4D	-4.57	1.33	1.44
14	G	853	CLA	C3D-C4D	-4.57	1.33	1.44
14	G	839	CLA	CHC-C4B	4.57	1.49	1.39
14	A	815	CLA	CHD-C1D	4.57	1.47	1.38
15	Y	844	PQN	C10-C5	4.57	1.48	1.40
14	T	103	CLA	C3C-C2C	4.56	1.46	1.36
14	B	815	CLA	C3D-C4D	-4.56	1.33	1.44
14	H	802	CLA	C3D-C4D	-4.56	1.33	1.44
14	H	810	CLA	O2D-CGD	4.56	1.44	1.33
14	B	835	CLA	C3D-C4D	-4.56	1.33	1.44
14	B	815	CLA	C3C-C2C	4.56	1.46	1.36
17	J	104	BCR	C10-C9	-4.56	1.25	1.35
14	Z	835	CLA	O2D-CGD	4.56	1.44	1.33
14	Y	804	CLA	CHC-C1C	4.56	1.47	1.38
14	Y	817	CLA	CHD-C1D	4.56	1.47	1.38
14	Z	802	CLA	C3C-C2C	4.56	1.46	1.36
14	A	830	CLA	CHC-C1C	4.56	1.47	1.38
14	Z	826	CLA	CHC-C1C	4.56	1.47	1.38
14	G	824	CLA	CHC-C1C	4.56	1.47	1.38
14	Z	834	CLA	CHD-C1D	4.56	1.47	1.38
14	B	826	CLA	CHC-C1C	4.56	1.47	1.38
14	B	825	CLA	CHC-C4B	4.56	1.49	1.39
14	Y	828	CLA	C3D-C4D	-4.56	1.33	1.44
14	J	101	CLA	CHD-C1D	4.55	1.47	1.38
14	Y	854	CLA	O2D-CGD	4.55	1.44	1.33
14	Z	819	CLA	CHD-C1D	4.55	1.47	1.38
14	Z	824	CLA	C3D-C4D	-4.55	1.33	1.44
14	B	834	CLA	OBD-CAD	4.55	1.30	1.22
14	Z	839	CLA	C3C-C2C	4.55	1.46	1.36
14	Y	820	CLA	O2D-CGD	4.55	1.44	1.33
15	G	844	PQN	C10-C5	4.55	1.48	1.40
14	Y	811	CLA	C3C-C2C	4.55	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	j	102	CLA	C3C-C2C	4.55	1.46	1.36
14	B	833	CLA	CHD-C1D	4.55	1.47	1.38
14	j	102	CLA	CHD-C1D	4.55	1.47	1.38
14	G	833	CLA	OBD-CAD	4.54	1.30	1.22
14	Y	835	CLA	C3C-C2C	4.54	1.46	1.36
14	B	839	CLA	CHD-C1D	4.54	1.47	1.38
14	B	832	CLA	O2A-C1	4.54	1.58	1.46
14	Y	808	CLA	CHD-C1D	4.54	1.47	1.38
14	G	831	CLA	CHD-C1D	4.54	1.47	1.38
14	H	804	CLA	C3D-C4D	-4.54	1.34	1.44
14	H	819	CLA	C3C-C2C	4.54	1.46	1.36
14	U	1004	CLA	C3C-C2C	4.54	1.46	1.36
14	B	820	CLA	CHC-C1C	4.54	1.47	1.38
14	A	826	CLA	CHD-C1D	4.54	1.47	1.38
14	K	101	CLA	CHB-C1B	4.53	1.49	1.39
14	G	819	CLA	CHD-C4C	4.53	1.49	1.39
14	K	103	CLA	CHD-C1D	4.53	1.47	1.38
14	G	837	CLA	CHD-C1D	4.53	1.47	1.38
14	A	837	CLA	CHC-C4B	4.53	1.49	1.39
14	G	809	CLA	C3D-C4D	-4.53	1.34	1.44
14	Z	823	CLA	CHC-C1C	4.53	1.47	1.38
14	H	811	CLA	C3D-C4D	-4.53	1.34	1.44
14	G	821	CLA	CHD-C1D	4.53	1.47	1.38
14	B	817	CLA	CHC-C1C	4.53	1.47	1.38
14	Y	807	CLA	C3C-C2C	4.53	1.46	1.36
14	Y	802	CLA	CHD-C4C	4.53	1.49	1.39
14	Y	836	CLA	CHD-C1D	4.53	1.47	1.38
14	G	811	CLA	C3D-C4D	-4.53	1.34	1.44
14	G	831	CLA	C3D-C4D	-4.52	1.34	1.44
14	Z	832	CLA	C3D-C4D	-4.52	1.34	1.44
14	Y	819	CLA	C3C-C2C	4.52	1.46	1.36
14	G	818	CLA	C3D-C4D	-4.52	1.34	1.44
13	A	801	CL0	CHC-C1C	4.52	1.47	1.38
14	Q	203	CLA	CHC-C1C	4.52	1.47	1.38
14	G	823	CLA	CHC-C1C	4.52	1.47	1.38
14	B	805	CLA	O2D-CGD	4.52	1.44	1.33
14	S	1102	CLA	CHC-C1C	4.52	1.47	1.38
14	Z	839	CLA	OBD-CAD	4.52	1.30	1.22
14	B	828	CLA	O2D-CGD	4.52	1.44	1.33
14	G	825	CLA	CHC-C1C	4.52	1.47	1.38
14	B	822	CLA	C3D-C4D	-4.52	1.34	1.44
14	L	206	CLA	CHD-C1D	4.52	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	833	CLA	CHC-C1C	4.52	1.47	1.38
14	A	841	CLA	C3D-C4D	-4.52	1.34	1.44
17	L	203	BCR	C10-C9	-4.52	1.25	1.35
14	A	834	CLA	C3D-C4D	-4.52	1.34	1.44
14	A	814	CLA	CHD-C1D	4.52	1.47	1.38
14	B	806	CLA	CHD-C1D	4.52	1.47	1.38
14	B	828	CLA	CHC-C1C	4.51	1.47	1.38
14	B	832	CLA	CHD-C1D	4.51	1.47	1.38
14	A	832	CLA	CHC-C1C	4.51	1.47	1.38
14	Z	804	CLA	CHD-C1D	4.51	1.47	1.38
14	Y	835	CLA	CHD-C4C	4.51	1.49	1.39
14	L	207	CLA	CHD-C1D	4.51	1.47	1.38
14	Z	819	CLA	OBD-CAD	4.51	1.30	1.22
14	H	838	CLA	C3C-C2C	4.51	1.46	1.36
14	A	812	CLA	CHC-C1C	4.51	1.47	1.38
14	Y	842	CLA	CHC-C1C	4.51	1.47	1.38
14	A	826	CLA	C3C-C2C	4.51	1.46	1.36
14	G	825	CLA	C3C-C2C	4.51	1.46	1.36
14	A	833	CLA	CHD-C1D	4.51	1.47	1.38
14	G	813	CLA	O2A-C1	4.51	1.58	1.46
14	G	821	CLA	CHC-C4B	4.51	1.49	1.39
14	G	835	CLA	CHD-C1D	4.51	1.47	1.38
14	Y	830	CLA	CHD-C1D	4.51	1.47	1.38
14	Z	806	CLA	CHC-C1C	4.51	1.47	1.38
14	G	812	CLA	CHD-C4C	4.50	1.49	1.39
14	B	822	CLA	C3C-C2C	4.50	1.46	1.36
14	A	833	CLA	CHC-C1C	4.50	1.47	1.38
14	G	843	CLA	CHD-C4C	4.50	1.49	1.39
14	Z	816	CLA	CHD-C1D	4.50	1.47	1.38
17	i	101	BCR	C10-C9	-4.50	1.25	1.35
14	H	832	CLA	C3C-C2C	4.50	1.46	1.36
14	Y	824	CLA	CHD-C1D	4.50	1.47	1.38
14	Y	836	CLA	CHC-C4B	4.50	1.49	1.39
14	G	815	CLA	CHC-C1C	4.50	1.47	1.38
14	G	815	CLA	C3D-C4D	-4.50	1.34	1.44
14	Z	802	CLA	CHC-C4B	4.50	1.49	1.39
14	Y	827	CLA	C3D-C4D	-4.50	1.34	1.44
14	B	806	CLA	O2D-CGD	4.50	1.44	1.33
14	Y	814	CLA	O2D-CGD	4.50	1.44	1.33
14	A	840	CLA	CHC-C1C	4.50	1.47	1.38
14	Y	804	CLA	C3C-C2C	4.50	1.46	1.36
14	h	207	CLA	C3D-C4D	-4.49	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	1101	CLA	CHC-C1C	4.49	1.47	1.38
14	Z	839	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	814	CLA	C3C-C2C	4.49	1.46	1.36
14	Y	805	CLA	OBD-CAD	4.49	1.30	1.22
14	J	101	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	824	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	837	CLA	C3C-C2C	4.49	1.46	1.36
14	Z	828	CLA	C3C-C2C	4.49	1.46	1.36
14	G	829	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	827	CLA	O2D-CGD	4.49	1.44	1.33
14	Z	822	CLA	CHC-C1C	4.49	1.47	1.38
14	A	811	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	837	CLA	CHB-C1B	4.49	1.49	1.39
14	H	814	CLA	C3C-C2C	4.49	1.46	1.36
14	A	813	CLA	C3C-C2C	4.49	1.46	1.36
13	A	801	CL0	C3C-C2C	4.49	1.46	1.36
14	H	838	CLA	C3D-C4D	-4.49	1.34	1.44
14	H	805	CLA	C3D-C4D	-4.49	1.34	1.44
14	H	811	CLA	CHD-C1D	4.48	1.47	1.38
14	H	827	CLA	C3C-C2C	4.48	1.46	1.36
14	S	1103	CLA	CHD-C1D	4.48	1.47	1.38
13	G	801	CL0	C3D-C4D	-4.48	1.34	1.44
14	U	1003	CLA	C3C-C2C	4.48	1.46	1.36
14	G	810	CLA	C3D-C4D	-4.48	1.34	1.44
14	X	1701	CLA	C3D-C4D	-4.48	1.34	1.44
14	B	837	CLA	C3D-C4D	-4.48	1.34	1.44
14	V	1201	CLA	C3D-C4D	-4.48	1.34	1.44
14	G	814	CLA	CHD-C1D	4.48	1.47	1.38
14	Y	836	CLA	C3C-C2C	4.48	1.46	1.36
14	Z	808	CLA	CHD-C1D	4.48	1.47	1.38
14	B	823	CLA	C3C-C2C	4.48	1.46	1.36
14	Y	815	CLA	C3C-C2C	4.48	1.46	1.36
14	H	830	CLA	C3D-C4D	-4.48	1.34	1.44
14	A	820	CLA	CHD-C1D	4.48	1.47	1.38
14	Z	834	CLA	C3D-C4D	-4.48	1.34	1.44
14	A	804	CLA	C3C-C2C	4.47	1.46	1.36
14	S	1101	CLA	C3D-C4D	-4.47	1.34	1.44
14	A	827	CLA	C3D-C4D	-4.47	1.34	1.44
18	Y	853	LHG	O8-C23	4.47	1.46	1.33
18	A	850	LHG	O7-C7	4.47	1.46	1.34
14	B	819	CLA	CHD-C1D	4.47	1.47	1.38
14	Y	823	CLA	C3D-C4D	-4.47	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	851	LHG	O8-C23	4.47	1.46	1.33
14	B	824	CLA	C3C-C2C	4.47	1.46	1.36
14	Z	820	CLA	C3C-C2C	4.47	1.46	1.36
14	A	814	CLA	OBD-CAD	4.47	1.30	1.22
14	B	826	CLA	OBD-CAD	4.47	1.30	1.22
14	Y	816	CLA	CHC-C4B	4.47	1.49	1.39
14	U	1004	CLA	CHD-C1D	4.47	1.47	1.38
14	G	834	CLA	C3D-C4D	-4.47	1.34	1.44
14	Z	818	CLA	CHC-C4B	4.47	1.49	1.39
14	G	828	CLA	CHD-C1D	4.46	1.47	1.38
14	Y	843	CLA	C3C-C2C	4.46	1.46	1.36
14	B	837	CLA	CHC-C1C	4.46	1.47	1.38
14	Z	837	CLA	CHC-C1C	4.46	1.47	1.38
14	Q	203	CLA	C3C-C2C	4.46	1.46	1.36
14	H	824	CLA	CHD-C1D	4.46	1.47	1.38
14	g	101	CLA	CHD-C4C	4.46	1.49	1.39
14	Y	854	CLA	C3C-C2C	4.46	1.46	1.36
14	A	829	CLA	CHD-C1D	4.46	1.47	1.38
14	B	807	CLA	CHD-C4C	4.46	1.49	1.39
14	F	202	CLA	C3C-C2C	4.46	1.46	1.36
14	Z	827	CLA	C3C-C2C	4.46	1.46	1.36
14	h	205	CLA	C3D-C4D	-4.46	1.34	1.44
14	H	815	CLA	CHD-C1D	4.46	1.47	1.38
14	G	821	CLA	C3C-C2C	4.46	1.46	1.36
14	G	836	CLA	CHD-C4C	4.46	1.49	1.39
14	B	824	CLA	CHD-C1D	4.45	1.47	1.38
14	G	838	CLA	CHD-C1D	4.45	1.47	1.38
14	A	832	CLA	O2D-CGD	4.45	1.44	1.33
14	G	822	CLA	O2D-CGD	4.45	1.44	1.33
14	G	809	CLA	CHD-C1D	4.45	1.47	1.38
14	A	824	CLA	C3C-C2C	4.45	1.46	1.36
14	H	807	CLA	CHC-C1C	4.45	1.47	1.38
14	Z	801	CLA	CHD-C1D	4.45	1.47	1.38
14	H	832	CLA	C3D-C4D	-4.45	1.34	1.44
14	A	806	CLA	C3D-C4D	-4.45	1.34	1.44
14	Z	803	CLA	OBD-CAD	4.45	1.30	1.22
14	d	202	CLA	C3D-C4D	-4.45	1.34	1.44
14	L	205	CLA	CHD-C1D	4.45	1.47	1.38
14	g	101	CLA	C3D-C4D	-4.45	1.34	1.44
14	Z	837	CLA	CHD-C1D	4.44	1.47	1.38
14	B	818	CLA	CHC-C1C	4.44	1.47	1.38
14	Z	813	CLA	CHD-C1D	4.44	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	802	CLA	CHC-C1C	4.44	1.47	1.38
14	H	809	CLA	C3D-C4D	-4.44	1.34	1.44
14	A	831	CLA	CHD-C1D	4.44	1.47	1.38
14	B	840	CLA	C3D-C4D	-4.44	1.34	1.44
14	A	815	CLA	CHC-C4B	4.44	1.49	1.39
14	B	834	CLA	C3C-C2C	4.44	1.46	1.36
14	Z	818	CLA	C3D-C4D	-4.44	1.34	1.44
14	Y	828	CLA	C3C-C2C	4.44	1.46	1.36
14	H	815	CLA	C3C-C2C	4.44	1.46	1.36
14	Z	828	CLA	CHD-C1D	4.44	1.47	1.38
14	A	822	CLA	C3C-C2C	4.44	1.46	1.36
14	Y	818	CLA	C3D-C4D	-4.44	1.34	1.44
14	H	801	CLA	OBD-CAD	4.44	1.30	1.22
14	Y	825	CLA	CHC-C1C	4.44	1.47	1.38
14	B	838	CLA	C3C-C2C	4.43	1.46	1.36
18	B	850	LHG	O8-C23	4.43	1.46	1.33
14	A	804	CLA	CHC-C1C	4.43	1.47	1.38
14	A	809	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	826	CLA	C3D-C4D	-4.43	1.34	1.44
14	Z	801	CLA	C3C-C2C	4.43	1.46	1.36
14	H	838	CLA	CHD-C1D	4.43	1.47	1.38
19	H	846	LMG	O8-C28	4.43	1.46	1.33
14	G	804	CLA	C3D-C4D	-4.43	1.34	1.44
14	B	841	CLA	CHD-C1D	4.43	1.47	1.38
14	G	839	CLA	CHD-C4C	4.43	1.49	1.39
14	G	832	CLA	C3D-C4D	-4.43	1.34	1.44
14	S	1102	CLA	C3C-C2C	4.43	1.46	1.36
14	S	1103	CLA	C3D-C4D	-4.43	1.34	1.44
14	U	1002	CLA	CHD-C1D	4.43	1.47	1.38
14	H	804	CLA	CHC-C4B	4.43	1.49	1.39
14	A	839	CLA	C3C-C2C	4.43	1.46	1.36
14	V	1201	CLA	CHC-C4B	4.43	1.49	1.39
14	Y	841	CLA	O2D-CGD	4.42	1.44	1.33
14	H	834	CLA	C3C-C2C	4.42	1.46	1.36
14	Y	837	CLA	C3D-C4D	-4.42	1.34	1.44
14	H	836	CLA	C3C-C2C	4.42	1.46	1.36
14	B	805	CLA	C3C-C2C	4.42	1.46	1.36
14	B	827	CLA	CHD-C4C	4.42	1.49	1.39
14	U	1003	CLA	OBD-CAD	4.42	1.30	1.22
14	B	839	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	808	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	817	CLA	C3D-C4D	-4.42	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	815	CLA	CHD-C1D	4.42	1.47	1.38
14	Y	809	CLA	C3D-C4D	-4.42	1.34	1.44
14	L	207	CLA	C3C-C2C	4.42	1.46	1.36
14	A	840	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	807	CLA	C3C-C2C	4.42	1.46	1.36
14	A	825	CLA	C3D-C4D	-4.42	1.34	1.44
14	B	817	CLA	CHD-C4C	4.42	1.49	1.39
14	B	819	CLA	OBD-CAD	4.42	1.30	1.22
14	A	852	CLA	CHD-C1D	4.42	1.47	1.38
14	Y	805	CLA	CHC-C4B	4.42	1.49	1.39
14	A	818	CLA	CHD-C1D	4.41	1.47	1.38
14	H	813	CLA	CHD-C1D	4.41	1.47	1.38
14	B	807	CLA	C3D-C4D	-4.41	1.34	1.44
14	H	801	CLA	CHD-C1D	4.41	1.47	1.38
14	U	1002	CLA	C3D-C4D	-4.41	1.34	1.44
14	K	101	CLA	C3C-C2C	4.41	1.46	1.36
14	H	811	CLA	C3C-C2C	4.41	1.46	1.36
14	A	811	CLA	CHC-C1C	4.41	1.47	1.38
14	A	839	CLA	C3D-C4D	-4.41	1.34	1.44
14	G	807	CLA	CHB-C1B	4.41	1.49	1.39
15	B	842	PQN	C10-C5	4.41	1.47	1.40
14	G	817	CLA	CHC-C4B	4.41	1.49	1.39
14	G	823	CLA	CHB-C1B	4.41	1.49	1.39
14	G	837	CLA	CHC-C4B	4.40	1.49	1.39
14	G	807	CLA	C3D-C4D	-4.40	1.34	1.44
14	Z	805	CLA	CHD-C4C	4.40	1.49	1.39
14	Z	824	CLA	CHC-C1C	4.40	1.47	1.38
14	B	801	CLA	C3D-C4D	-4.40	1.34	1.44
14	B	828	CLA	C3C-C2C	4.40	1.46	1.36
14	K	101	CLA	C3D-C4D	-4.40	1.34	1.44
14	A	852	CLA	CHC-C1C	4.39	1.47	1.38
14	G	838	CLA	C3D-C4D	-4.39	1.34	1.44
14	H	825	CLA	C3D-C4D	-4.39	1.34	1.44
14	B	830	CLA	CHD-C1D	4.39	1.47	1.38
14	A	838	CLA	O2D-CGD	4.39	1.44	1.33
14	H	822	CLA	CHB-C1B	4.39	1.49	1.39
14	Z	802	CLA	CHD-C1D	4.39	1.47	1.38
14	B	802	CLA	C3D-C4D	-4.39	1.34	1.44
14	W	1701	CLA	C3D-C4D	-4.39	1.34	1.44
14	Z	817	CLA	C3D-C4D	-4.39	1.34	1.44
14	G	806	CLA	CHC-C4B	4.39	1.49	1.39
14	Y	809	CLA	CHD-C4C	4.39	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	807	CLA	C3C-C2C	4.39	1.46	1.36
14	h	207	CLA	C3C-C2C	4.39	1.46	1.36
14	G	843	CLA	C3D-C4D	-4.39	1.34	1.44
14	H	821	CLA	CHC-C1C	4.39	1.47	1.38
14	Y	803	CLA	C3D-C4D	-4.38	1.34	1.44
14	G	840	CLA	CHC-C4B	4.38	1.49	1.39
14	G	824	CLA	C3D-C4D	-4.38	1.34	1.44
14	G	807	CLA	CHD-C1D	4.38	1.47	1.38
14	B	833	CLA	C3C-C2C	4.38	1.46	1.36
14	Y	816	CLA	C3D-C4D	-4.38	1.34	1.44
14	B	818	CLA	C3D-C4D	-4.38	1.34	1.44
14	Z	818	CLA	CHD-C1D	4.38	1.47	1.38
14	Z	832	CLA	C3C-C2C	4.38	1.46	1.36
14	G	813	CLA	C3C-C2C	4.38	1.46	1.36
14	Y	814	CLA	CHC-C4B	4.38	1.49	1.39
14	G	818	CLA	C3C-C2C	4.38	1.46	1.36
14	Q	203	CLA	C3D-C4D	-4.38	1.34	1.44
14	A	836	CLA	CHD-C4C	4.38	1.49	1.39
14	Y	815	CLA	CHC-C4B	4.38	1.49	1.39
14	G	827	CLA	C3C-C2C	4.38	1.46	1.36
14	Z	838	CLA	C3C-C2C	4.38	1.46	1.36
14	H	801	CLA	CHC-C4B	4.38	1.49	1.39
14	F	202	CLA	CHC-C1C	4.38	1.47	1.38
14	G	803	CLA	CHD-C1D	4.37	1.47	1.38
14	G	823	CLA	C3C-C2C	4.37	1.46	1.36
14	B	802	CLA	O2D-CGD	4.37	1.44	1.33
14	B	804	CLA	O2D-CGD	4.37	1.44	1.33
14	A	805	CLA	C3D-C4D	-4.37	1.34	1.44
14	Z	807	CLA	CHC-C1C	4.37	1.47	1.38
14	G	805	CLA	CHD-C1D	4.37	1.46	1.38
14	Y	823	CLA	CHD-C1D	4.37	1.46	1.38
14	Z	822	CLA	CHD-C1D	4.37	1.46	1.38
19	H	846	LMG	O7-C10	4.37	1.46	1.34
14	A	824	CLA	CHC-C4B	4.37	1.49	1.39
14	H	821	CLA	C3D-C4D	-4.37	1.34	1.44
14	h	206	CLA	OBD-CAD	4.36	1.30	1.22
14	A	810	CLA	C3D-C4D	-4.36	1.34	1.44
14	H	829	CLA	CHD-C1D	4.36	1.46	1.38
14	A	815	CLA	C3C-C2C	4.36	1.46	1.36
14	A	802	CLA	C3D-C4D	-4.36	1.34	1.44
14	Y	814	CLA	C3D-C4D	-4.36	1.34	1.44
14	h	201	CLA	CHC-C1C	4.36	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	834	CLA	CHC-C4B	4.36	1.49	1.39
14	H	814	CLA	C3D-C4D	-4.36	1.34	1.44
14	X	1701	CLA	CHD-C1D	4.36	1.46	1.38
14	U	1006	CLA	CHB-C1B	4.36	1.49	1.39
14	G	828	CLA	C3D-C4D	-4.36	1.34	1.44
14	h	206	CLA	C3D-C4D	-4.36	1.34	1.44
14	Z	832	CLA	OBD-CAD	4.36	1.30	1.22
14	G	806	CLA	C3D-C4D	-4.36	1.34	1.44
14	Z	838	CLA	CHD-C1D	4.35	1.46	1.38
14	B	836	CLA	C3C-C2C	4.35	1.46	1.36
14	A	808	CLA	C3D-C4D	-4.35	1.34	1.44
14	A	831	CLA	O2D-CGD	4.35	1.43	1.33
14	G	840	CLA	C3D-C4D	-4.35	1.34	1.44
14	Y	825	CLA	C3C-C2C	4.35	1.46	1.36
14	A	809	CLA	C3C-C2C	4.35	1.46	1.36
17	Z	841	BCR	C10-C9	-4.35	1.25	1.35
14	A	803	CLA	CHD-C1D	4.35	1.46	1.38
14	B	835	CLA	CHC-C4B	4.35	1.49	1.39
14	G	808	CLA	CHD-C1D	4.35	1.46	1.38
14	A	829	CLA	C3D-C4D	-4.35	1.34	1.44
14	Z	831	CLA	CHD-C1D	4.35	1.46	1.38
14	G	842	CLA	CHC-C1C	4.35	1.47	1.38
14	B	836	CLA	CHD-C4C	4.35	1.49	1.39
14	V	1201	CLA	CHD-C1D	4.35	1.46	1.38
14	S	1103	CLA	C3C-C2C	4.35	1.46	1.36
14	g	102	CLA	C3C-C2C	4.35	1.46	1.36
14	Y	812	CLA	C3D-C4D	-4.34	1.34	1.44
14	B	840	CLA	OBD-CAD	4.34	1.30	1.22
14	G	803	CLA	C3D-C4D	-4.34	1.34	1.44
14	B	810	CLA	CHC-C1C	4.34	1.47	1.38
14	A	842	CLA	CHB-C1B	4.34	1.49	1.39
14	H	820	CLA	CHD-C4C	4.34	1.49	1.39
14	H	822	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	829	CLA	CHC-C1C	4.34	1.47	1.38
14	B	828	CLA	C3D-C4D	-4.34	1.34	1.44
14	A	828	CLA	C3C-C2C	4.34	1.46	1.36
14	Y	834	CLA	C3C-C2C	4.34	1.46	1.36
14	h	201	CLA	CHD-C1D	4.34	1.46	1.38
14	A	836	CLA	OBD-CAD	4.34	1.30	1.22
14	A	830	CLA	CHD-C4C	4.34	1.49	1.39
14	Y	806	CLA	C3C-C2C	4.34	1.46	1.36
14	Z	810	CLA	CHD-C1D	4.34	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	819	CLA	CHD-C4C	4.34	1.49	1.39
14	h	207	CLA	CHD-C4C	4.34	1.49	1.39
14	Y	813	CLA	O2D-CGD	4.34	1.43	1.33
14	j	102	CLA	CHD-C4C	4.34	1.49	1.39
14	H	809	CLA	CHD-C1D	4.34	1.46	1.38
14	Z	810	CLA	C3D-C4D	-4.34	1.34	1.44
14	Y	811	CLA	C3D-C4D	-4.34	1.34	1.44
14	Y	815	CLA	OBD-CAD	4.33	1.29	1.22
14	B	805	CLA	CHC-C1C	4.33	1.47	1.38
14	G	838	CLA	CHC-C1C	4.33	1.47	1.38
14	Y	808	CLA	C3C-C2C	4.33	1.46	1.36
14	H	806	CLA	CHC-C4B	4.33	1.49	1.39
14	Z	832	CLA	CHC-C4B	4.33	1.49	1.39
14	B	806	CLA	C1B-NB	-4.33	1.32	1.37
14	h	206	CLA	CHC-C4B	4.33	1.49	1.39
14	Q	201	CLA	C3C-C2C	4.33	1.46	1.36
14	A	821	CLA	CHC-C4B	4.33	1.49	1.39
14	Y	839	CLA	CHB-C1B	4.33	1.49	1.39
14	A	806	CLA	C3C-C2C	4.33	1.46	1.36
14	H	818	CLA	CHD-C1D	4.33	1.46	1.38
14	G	822	CLA	CHC-C1C	4.33	1.47	1.38
14	Y	807	CLA	CHC-C4B	4.33	1.49	1.39
14	Y	806	CLA	CHD-C4C	4.32	1.49	1.39
14	Z	836	CLA	C3C-C2C	4.32	1.46	1.36
14	B	811	CLA	C3D-C4D	-4.32	1.34	1.44
14	A	828	CLA	CHC-C4B	4.32	1.49	1.39
14	H	813	CLA	C3D-C4D	-4.32	1.34	1.44
14	Z	815	CLA	C3D-C4D	-4.32	1.34	1.44
14	H	803	CLA	C3D-C4D	-4.32	1.34	1.44
14	G	819	CLA	CHC-C1C	4.32	1.47	1.38
14	Y	842	CLA	C3C-C2C	4.32	1.46	1.36
14	Z	822	CLA	C3D-C4D	-4.32	1.34	1.44
14	Z	831	CLA	C3C-C2C	4.32	1.46	1.36
14	G	828	CLA	CHC-C4B	4.32	1.49	1.39
14	A	807	CLA	CHC-C1C	4.32	1.47	1.38
14	H	825	CLA	CHD-C1D	4.32	1.46	1.38
14	Z	836	CLA	CHC-C1C	4.32	1.47	1.38
14	H	801	CLA	C3D-C4D	-4.32	1.34	1.44
14	Z	838	CLA	O2D-CGD	4.32	1.43	1.33
14	B	830	CLA	C3C-C2C	4.32	1.46	1.36
14	B	838	CLA	CHD-C1D	4.32	1.46	1.38
14	A	804	CLA	CHD-C1D	4.32	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	832	CLA	CHB-C1B	4.32	1.49	1.39
14	Y	822	CLA	C3D-C4D	-4.31	1.34	1.44
14	G	825	CLA	CHB-C1B	4.31	1.49	1.39
14	A	840	CLA	CHD-C4C	4.31	1.49	1.39
14	Y	816	CLA	C3C-C2C	4.31	1.46	1.36
14	Y	822	CLA	CHC-C1C	4.31	1.47	1.38
14	T	101	CLA	C3C-C2C	4.31	1.46	1.36
14	A	805	CLA	CHD-C4C	4.31	1.49	1.39
17	B	851	BCR	C10-C9	-4.31	1.25	1.35
14	G	803	CLA	C3C-C2C	4.31	1.46	1.36
14	Y	832	CLA	CHD-C1D	4.31	1.46	1.38
14	Y	804	CLA	OBD-CAD	4.31	1.29	1.22
14	Y	827	CLA	CHD-C1D	4.31	1.46	1.38
14	A	817	CLA	C3D-C4D	-4.31	1.34	1.44
14	d	202	CLA	C3C-C2C	4.31	1.46	1.36
14	Q	201	CLA	CHD-C1D	4.31	1.46	1.38
18	G	851	LHG	O8-C23	4.30	1.45	1.33
14	Z	811	CLA	CHC-C4B	4.30	1.49	1.39
14	Z	828	CLA	C3D-C4D	-4.30	1.34	1.44
18	j	101	LHG	O8-C23	4.30	1.45	1.33
14	B	823	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	826	CLA	C3D-C4D	-4.30	1.34	1.44
14	B	831	CLA	CHC-C1C	4.30	1.47	1.38
14	Z	823	CLA	CHD-C4C	4.30	1.49	1.39
14	H	824	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	838	CLA	O2D-CGD	4.30	1.43	1.33
14	Y	827	CLA	C3C-C2C	4.30	1.46	1.36
14	H	831	CLA	CHD-C4C	4.30	1.49	1.39
14	Y	804	CLA	CHD-C4C	4.30	1.49	1.39
14	Z	816	CLA	C3C-C2C	4.30	1.46	1.36
14	G	816	CLA	C3C-C2C	4.30	1.46	1.36
14	d	201	CLA	CHB-C1B	4.30	1.49	1.39
18	Y	852	LHG	O7-C7	4.30	1.46	1.34
14	G	837	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	840	CLA	CHC-C4B	4.29	1.49	1.39
14	Y	810	CLA	CHD-C1D	4.29	1.46	1.38
14	J	102	CLA	CHC-C4B	4.29	1.49	1.39
14	Z	826	CLA	C3C-C2C	4.29	1.46	1.36
14	G	839	CLA	C3C-C2C	4.29	1.46	1.36
14	Y	811	CLA	CHC-C4B	4.29	1.49	1.39
14	G	806	CLA	C3C-C2C	4.29	1.46	1.36
17	L	209	BCR	C10-C9	-4.29	1.25	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	805	CLA	C3C-C2C	4.29	1.46	1.36
14	H	808	CLA	C3D-C4D	-4.29	1.34	1.44
14	Y	803	CLA	C3C-C2C	4.29	1.46	1.36
14	H	835	CLA	C3D-C4D	-4.29	1.34	1.44
14	A	812	CLA	CHD-C4C	4.29	1.49	1.39
14	Z	819	CLA	C3D-C4D	-4.29	1.34	1.44
18	A	850	LHG	O8-C23	4.29	1.45	1.33
14	Y	838	CLA	CHD-C4C	4.29	1.49	1.39
14	B	808	CLA	CHD-C1D	4.29	1.46	1.38
14	H	831	CLA	C3C-C2C	4.29	1.46	1.36
14	Y	809	CLA	C3C-C2C	4.29	1.46	1.36
14	B	814	CLA	C3D-C4D	-4.29	1.34	1.44
14	H	819	CLA	C3D-C4D	-4.29	1.34	1.44
14	Z	825	CLA	CHC-C4B	4.28	1.49	1.39
14	Z	805	CLA	C3D-C4D	-4.28	1.34	1.44
14	Y	855	CLA	C3C-C2C	4.28	1.46	1.36
17	V	1202	BCR	C10-C9	-4.28	1.25	1.35
14	G	812	CLA	CHC-C4B	4.28	1.49	1.39
14	B	804	CLA	CHD-C4C	4.28	1.49	1.39
14	Y	841	CLA	CHC-C4B	4.28	1.49	1.39
14	A	834	CLA	CHD-C4C	4.28	1.48	1.39
14	Z	824	CLA	C3C-C2C	4.28	1.46	1.36
14	G	810	CLA	CHC-C4B	4.28	1.49	1.39
14	A	823	CLA	CHD-C4C	4.28	1.48	1.39
14	A	835	CLA	CHD-C4C	4.28	1.48	1.39
14	Z	833	CLA	OBD-CAD	4.28	1.29	1.22
14	X	1701	CLA	C3C-C2C	4.28	1.46	1.36
14	G	818	CLA	CHD-C1D	4.28	1.46	1.38
14	G	837	CLA	C3C-C2C	4.28	1.46	1.36
14	G	853	CLA	CHD-C4C	4.28	1.48	1.39
14	A	835	CLA	C3D-C4D	-4.28	1.34	1.44
14	A	809	CLA	CHD-C1D	4.28	1.46	1.38
14	Z	839	CLA	CHD-C4C	4.28	1.48	1.39
14	G	822	CLA	C3C-C2C	4.28	1.46	1.36
14	G	816	CLA	C3D-C4D	-4.28	1.34	1.44
14	Z	827	CLA	O2D-CGD	4.28	1.43	1.33
13	Y	801	CL0	C3D-C4D	-4.28	1.34	1.44
14	Y	855	CLA	C3D-C4D	-4.28	1.34	1.44
14	U	1004	CLA	O2D-CGD	4.28	1.43	1.33
14	Z	833	CLA	CHD-C4C	4.27	1.48	1.39
14	H	822	CLA	C3C-C2C	4.27	1.46	1.36
14	B	826	CLA	C3C-C2C	4.27	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	810	CLA	CHD-C4C	4.27	1.48	1.39
14	J	102	CLA	C3C-C2C	4.27	1.46	1.36
14	Y	828	CLA	CHD-C1D	4.27	1.46	1.38
14	Y	831	CLA	CHD-C1D	4.27	1.46	1.38
14	j	102	CLA	C3D-C4D	-4.27	1.34	1.44
14	B	839	CLA	CHC-C4B	4.27	1.49	1.39
14	A	813	CLA	CHC-C1C	4.27	1.47	1.38
14	G	829	CLA	C3C-C2C	4.27	1.46	1.36
14	B	814	CLA	CHC-C4B	4.27	1.49	1.39
14	G	814	CLA	CHC-C4B	4.27	1.49	1.39
14	Y	823	CLA	C3C-C2C	4.27	1.46	1.36
14	Z	827	CLA	CHD-C4C	4.26	1.48	1.39
14	G	835	CLA	C3C-C2C	4.26	1.46	1.36
14	A	824	CLA	CHD-C1D	4.26	1.46	1.38
14	A	827	CLA	C3C-C2C	4.26	1.46	1.36
14	G	833	CLA	CHC-C4B	4.26	1.49	1.39
14	Y	832	CLA	CHC-C4B	4.26	1.49	1.39
14	H	831	CLA	C3D-C4D	-4.26	1.34	1.44
14	Y	812	CLA	C3C-C2C	4.26	1.46	1.36
14	G	841	CLA	CHC-C4B	4.26	1.49	1.39
14	Z	815	CLA	CHC-C4B	4.26	1.49	1.39
17	H	848	BCR	C10-C9	-4.26	1.25	1.35
14	Z	809	CLA	CHD-C4C	4.26	1.48	1.39
14	G	813	CLA	CHC-C4B	4.26	1.49	1.39
14	f	102	CLA	CHD-C4C	4.26	1.48	1.39
14	T	101	CLA	C3D-C4D	-4.26	1.34	1.44
14	Y	841	CLA	CHB-C1B	4.26	1.49	1.39
14	B	802	CLA	C3C-C2C	4.26	1.46	1.36
14	Y	833	CLA	CHD-C1D	4.26	1.46	1.38
14	Y	803	CLA	CHC-C4B	4.26	1.49	1.39
14	Z	820	CLA	CHD-C4C	4.26	1.48	1.39
14	L	202	CLA	CHD-C1D	4.26	1.46	1.38
13	Y	801	CL0	CHB-C1B	4.26	1.49	1.39
14	A	813	CLA	C3D-C4D	-4.26	1.34	1.44
14	Y	825	CLA	C3D-C4D	-4.26	1.34	1.44
14	A	817	CLA	C3C-C2C	4.26	1.45	1.36
13	Y	801	CL0	CHD-C1D	4.25	1.46	1.38
14	B	821	CLA	C3D-C4D	-4.25	1.34	1.44
14	Y	810	CLA	C3C-C2C	4.25	1.45	1.36
14	A	810	CLA	C3C-C2C	4.25	1.45	1.36
14	H	816	CLA	CHB-C1B	4.25	1.49	1.39
14	B	808	CLA	CHC-C1C	4.25	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	818	CLA	CHD-C4C	4.25	1.48	1.39
14	d	201	CLA	C3D-C4D	-4.25	1.34	1.44
14	B	804	CLA	C3C-C2C	4.25	1.45	1.36
14	G	830	CLA	CHB-C1B	4.25	1.49	1.39
14	Y	807	CLA	CHD-C1D	4.25	1.46	1.38
14	Y	831	CLA	C3C-C2C	4.25	1.45	1.36
14	g	101	CLA	C3C-C2C	4.25	1.45	1.36
14	A	821	CLA	CHD-C4C	4.25	1.48	1.39
14	f	102	CLA	CHC-C4B	4.25	1.48	1.39
14	A	822	CLA	OBD-CAD	4.25	1.29	1.22
14	A	816	CLA	CHD-C4C	4.25	1.48	1.39
14	B	823	CLA	CHD-C4C	4.25	1.48	1.39
13	G	801	CL0	CHD-C4C	4.25	1.48	1.39
14	G	810	CLA	CHD-C1D	4.25	1.46	1.38
14	B	821	CLA	CHC-C1C	4.25	1.47	1.38
14	H	832	CLA	CHC-C1C	4.25	1.47	1.38
14	G	832	CLA	C3C-C2C	4.25	1.45	1.36
14	B	823	CLA	CHC-C4B	4.25	1.48	1.39
14	Y	811	CLA	CHD-C4C	4.25	1.48	1.39
17	G	847	BCR	C10-C9	-4.25	1.26	1.35
14	B	813	CLA	C3C-C2C	4.25	1.45	1.36
14	A	816	CLA	C3D-C4D	-4.24	1.34	1.44
14	A	826	CLA	C3D-C4D	-4.24	1.34	1.44
17	Y	849	BCR	C10-C9	-4.24	1.26	1.35
14	h	207	CLA	CHC-C4B	4.24	1.48	1.39
14	B	836	CLA	OBD-CAD	4.24	1.29	1.22
14	A	825	CLA	CHC-C1C	4.24	1.47	1.38
14	G	826	CLA	C3C-C2C	4.24	1.45	1.36
14	Z	811	CLA	C3C-C2C	4.24	1.45	1.36
14	S	1102	CLA	C3D-C4D	-4.24	1.34	1.44
14	Z	829	CLA	CHD-C4C	4.24	1.48	1.39
14	B	818	CLA	CHD-C4C	4.24	1.48	1.39
18	H	847	LHG	O7-C7	4.24	1.46	1.34
14	A	839	CLA	CHB-C1B	4.24	1.48	1.39
14	Z	833	CLA	C3D-C4D	-4.24	1.34	1.44
17	H	841	BCR	C11-C12	-4.23	1.23	1.34
14	G	804	CLA	OBD-CAD	4.23	1.29	1.22
14	L	205	CLA	CHD-C4C	4.23	1.48	1.39
14	Z	803	CLA	CHD-C4C	4.23	1.48	1.39
14	H	803	CLA	OBD-CAD	4.23	1.29	1.22
14	K	103	CLA	OBD-CAD	4.23	1.29	1.22
14	Y	835	CLA	C3D-C4D	-4.23	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	815	CLA	CHD-C1D	4.23	1.46	1.38
14	B	830	CLA	CHC-C1C	4.23	1.47	1.38
14	B	801	CLA	CHD-C4C	4.23	1.48	1.39
18	j	101	LHG	O7-C7	4.23	1.46	1.34
14	Y	854	CLA	C3D-C4D	-4.23	1.34	1.44
14	Z	809	CLA	CHC-C4B	4.23	1.48	1.39
14	H	824	CLA	OBD-CAD	4.23	1.29	1.22
14	Z	804	CLA	CHC-C1C	4.23	1.47	1.38
14	G	840	CLA	OBD-CAD	4.23	1.29	1.22
14	A	823	CLA	C3D-C4D	-4.23	1.34	1.44
14	B	813	CLA	CHB-C1B	4.23	1.48	1.39
14	Z	826	CLA	CHD-C1D	4.23	1.46	1.38
14	Z	814	CLA	CHB-C1B	4.23	1.48	1.39
17	K	102	BCR	C10-C9	-4.23	1.26	1.35
14	h	207	CLA	CHB-C1B	4.22	1.48	1.39
14	A	807	CLA	C3D-C4D	-4.22	1.34	1.44
14	Z	821	CLA	C3D-C4D	-4.22	1.34	1.44
14	G	824	CLA	C3C-C2C	4.22	1.45	1.36
14	Z	833	CLA	C3C-C2C	4.22	1.45	1.36
14	A	838	CLA	CHB-C1B	4.22	1.48	1.39
14	H	817	CLA	CHD-C4C	4.22	1.48	1.39
14	G	823	CLA	C3D-C4D	-4.22	1.34	1.44
14	G	833	CLA	CHD-C1D	4.22	1.46	1.38
14	Z	839	CLA	CHD-C1D	4.22	1.46	1.38
14	A	827	CLA	CHC-C4B	4.22	1.48	1.39
14	G	815	CLA	CHD-C4C	4.22	1.48	1.39
14	Z	836	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	818	CLA	C3C-C2C	4.22	1.45	1.36
14	A	822	CLA	CHC-C1C	4.22	1.46	1.38
14	A	820	CLA	C3C-C2C	4.22	1.45	1.36
14	Y	833	CLA	C3C-C2C	4.22	1.45	1.36
14	Z	810	CLA	C3C-C2C	4.22	1.45	1.36
14	Z	838	CLA	CHB-C1B	4.22	1.48	1.39
14	Y	832	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	813	CLA	CHD-C4C	4.22	1.48	1.39
14	Z	825	CLA	CHD-C4C	4.22	1.48	1.39
14	G	841	CLA	C3C-C2C	4.22	1.45	1.36
14	H	812	CLA	CHD-C4C	4.21	1.48	1.39
14	H	816	CLA	C3D-C4D	-4.21	1.34	1.44
14	Y	829	CLA	O2D-CGD	4.21	1.43	1.33
14	G	830	CLA	C3D-C4D	-4.21	1.34	1.44
14	B	825	CLA	CHD-C1D	4.21	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	826	CLA	C3D-C4D	-4.21	1.34	1.44
14	G	835	CLA	C3D-C4D	-4.21	1.34	1.44
14	U	1003	CLA	CHD-C1D	4.21	1.46	1.38
14	A	811	CLA	CHD-C4C	4.21	1.48	1.39
14	B	813	CLA	CHC-C1C	4.21	1.46	1.38
14	G	842	CLA	CHD-C4C	4.21	1.48	1.39
14	Q	201	CLA	CHC-C1C	4.21	1.46	1.38
14	Z	803	CLA	C3D-C4D	-4.21	1.34	1.44
14	B	820	CLA	CHD-C4C	4.21	1.48	1.39
14	Y	826	CLA	CHC-C4B	4.21	1.48	1.39
14	H	826	CLA	CHB-C1B	4.20	1.48	1.39
14	Q	203	CLA	CHD-C4C	4.20	1.48	1.39
14	Y	841	CLA	C3D-C4D	-4.20	1.34	1.44
14	B	830	CLA	CHD-C4C	4.20	1.48	1.39
14	G	838	CLA	CHB-C1B	4.20	1.48	1.39
14	B	819	CLA	C3C-C2C	4.20	1.45	1.36
14	J	102	CLA	CHD-C4C	4.20	1.48	1.39
14	A	836	CLA	C3D-C4D	-4.20	1.34	1.44
14	Z	814	CLA	C3D-C4D	-4.20	1.34	1.44
14	H	811	CLA	CHC-C4B	4.20	1.48	1.39
14	A	823	CLA	CHC-C4B	4.20	1.48	1.39
17	Y	847	BCR	C10-C9	-4.20	1.26	1.35
14	G	812	CLA	CHB-C1B	4.20	1.48	1.39
14	S	1103	CLA	CHC-C4B	4.20	1.48	1.39
14	Y	820	CLA	CHD-C4C	4.20	1.48	1.39
14	H	805	CLA	CHD-C4C	4.20	1.48	1.39
14	Y	812	CLA	CHD-C4C	4.20	1.48	1.39
14	A	840	CLA	C3C-C2C	4.20	1.45	1.36
14	H	836	CLA	C3D-C4D	-4.20	1.34	1.44
14	Y	818	CLA	CHC-C4B	4.20	1.48	1.39
14	H	810	CLA	C3C-C2C	4.20	1.45	1.36
14	B	821	CLA	CHD-C1D	4.20	1.46	1.38
14	Z	837	CLA	CHD-C4C	4.20	1.48	1.39
14	L	206	CLA	C3C-C2C	4.19	1.45	1.36
14	Y	832	CLA	C3C-C2C	4.19	1.45	1.36
14	J	101	CLA	CHD-C4C	4.19	1.48	1.39
14	B	827	CLA	C3C-C2C	4.19	1.45	1.36
14	H	824	CLA	CHC-C4B	4.19	1.48	1.39
14	Y	808	CLA	C3D-C4D	-4.19	1.34	1.44
14	A	819	CLA	C3C-C2C	4.19	1.45	1.36
14	g	102	CLA	C3D-C4D	-4.19	1.34	1.44
14	L	206	CLA	OBD-CAD	4.19	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	821	CLA	OBD-CAD	4.19	1.29	1.22
14	G	804	CLA	CHD-C4C	4.19	1.48	1.39
14	B	829	CLA	CHC-C1C	4.19	1.46	1.38
14	G	842	CLA	C3D-C4D	-4.19	1.34	1.44
14	Y	804	CLA	C3D-C4D	-4.18	1.34	1.44
17	F	201	BCR	C10-C9	-4.18	1.26	1.35
14	Y	817	CLA	CHC-C4B	4.18	1.48	1.39
14	Y	813	CLA	CHD-C4C	4.18	1.48	1.39
14	Z	802	CLA	CHD-C4C	4.18	1.48	1.39
14	A	816	CLA	OBD-CAD	4.18	1.29	1.22
14	Y	825	CLA	CHD-C4C	4.18	1.48	1.39
14	A	808	CLA	CHD-C4C	4.18	1.48	1.39
14	A	815	CLA	C3D-C4D	-4.18	1.34	1.44
14	B	833	CLA	CHC-C4B	4.18	1.48	1.39
14	H	836	CLA	CHB-C1B	4.18	1.48	1.39
14	Z	809	CLA	C3C-C2C	4.17	1.45	1.36
14	B	838	CLA	C3D-C4D	-4.17	1.34	1.44
14	Z	813	CLA	OBD-CAD	4.17	1.29	1.22
14	B	821	CLA	C3C-C2C	4.17	1.45	1.36
17	H	844	BCR	C10-C9	-4.17	1.26	1.35
14	H	826	CLA	CHC-C4B	4.17	1.48	1.39
14	Z	803	CLA	CHD-C1D	4.17	1.46	1.38
14	Z	835	CLA	C3C-C2C	4.17	1.45	1.36
14	H	808	CLA	CHB-C1B	4.17	1.48	1.39
14	L	205	CLA	CHC-C4B	4.17	1.48	1.39
14	A	826	CLA	CHD-C4C	4.17	1.48	1.39
14	B	803	CLA	C3D-C4D	-4.17	1.34	1.44
14	A	825	CLA	CHD-C4C	4.17	1.48	1.39
14	G	805	CLA	CHC-C4B	4.17	1.48	1.39
14	G	814	CLA	C3D-C4D	-4.17	1.34	1.44
14	H	807	CLA	CHD-C4C	4.17	1.48	1.39
14	Y	838	CLA	C3C-C2C	4.17	1.45	1.36
14	H	812	CLA	CHB-C1B	4.16	1.48	1.39
14	G	819	CLA	C3C-C2C	4.16	1.45	1.36
14	A	838	CLA	CHD-C1D	4.16	1.46	1.38
14	G	802	CLA	OBD-CAD	4.16	1.29	1.22
14	A	819	CLA	O2D-CGD	4.16	1.43	1.33
14	A	824	CLA	C3D-C4D	-4.16	1.34	1.44
14	B	801	CLA	C3C-C2C	4.16	1.45	1.36
14	U	1004	CLA	CHB-C1B	4.16	1.48	1.39
14	A	852	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	817	CLA	CHD-C1D	4.16	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	825	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	820	CLA	CHB-C1B	4.16	1.48	1.39
14	L	206	CLA	CHC-C4B	4.16	1.48	1.39
14	G	809	CLA	OBD-CAD	4.16	1.29	1.22
14	J	102	CLA	C3D-C4D	-4.16	1.34	1.44
14	Y	803	CLA	CHB-C1B	4.16	1.48	1.39
14	B	821	CLA	OBD-CAD	4.15	1.29	1.22
14	G	802	CLA	C3C-C2C	4.15	1.45	1.36
14	H	831	CLA	OBD-CAD	4.15	1.29	1.22
14	G	835	CLA	OBD-CAD	4.15	1.29	1.22
14	B	823	CLA	CHB-C1B	4.15	1.48	1.39
14	Z	821	CLA	CHC-C4B	4.15	1.48	1.39
17	F	203	BCR	C10-C9	-4.15	1.26	1.35
14	B	825	CLA	C3D-C4D	-4.15	1.34	1.44
14	U	1003	CLA	CHB-C1B	4.15	1.48	1.39
14	f	101	CLA	OBD-CAD	4.15	1.29	1.22
14	Z	807	CLA	C3D-C4D	-4.15	1.34	1.44
14	Y	809	CLA	OBD-CAD	4.15	1.29	1.22
14	H	802	CLA	C4B-NB	-4.15	1.32	1.37
14	Y	836	CLA	C3D-C4D	-4.15	1.34	1.44
14	G	830	CLA	CHD-C4C	4.15	1.48	1.39
14	B	801	CLA	CHC-C1C	4.14	1.46	1.38
18	G	852	LHG	O8-C23	4.14	1.45	1.33
14	A	828	CLA	CHD-C4C	4.14	1.48	1.39
14	G	834	CLA	CHC-C4B	4.14	1.48	1.39
14	B	841	CLA	C3D-C4D	-4.14	1.34	1.44
14	h	206	CLA	CHD-C1D	4.14	1.46	1.38
14	H	803	CLA	CHC-C1C	4.14	1.46	1.38
14	Q	201	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	817	CLA	C3C-C2C	4.14	1.45	1.36
14	Z	838	CLA	OBD-CAD	4.14	1.29	1.22
14	Z	801	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	818	CLA	CHB-C1B	4.14	1.48	1.39
14	A	812	CLA	CHB-C1B	4.14	1.48	1.39
14	G	816	CLA	CHD-C4C	4.14	1.48	1.39
17	M	101	BCR	C10-C9	-4.14	1.26	1.35
14	A	810	CLA	CHD-C4C	4.14	1.48	1.39
14	A	814	CLA	O2D-CGD	4.14	1.43	1.33
14	A	825	CLA	C3C-C2C	4.14	1.45	1.36
17	H	840	BCR	C10-C9	-4.13	1.26	1.35
14	G	821	CLA	CHD-C4C	4.13	1.48	1.39
14	Z	815	CLA	C3C-C2C	4.13	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	813	CLA	O2D-CGD	4.13	1.43	1.33
14	Y	840	CLA	OBD-CAD	4.13	1.29	1.22
14	A	822	CLA	CHB-C1B	4.13	1.48	1.39
14	U	1006	CLA	CHC-C4B	4.13	1.48	1.39
14	Y	821	CLA	C3D-C4D	-4.13	1.34	1.44
14	Z	824	CLA	CHD-C4C	4.13	1.48	1.39
14	A	811	CLA	CHB-C1B	4.13	1.48	1.39
14	H	832	CLA	CHD-C4C	4.13	1.48	1.39
14	A	806	CLA	CHC-C4B	4.13	1.48	1.39
14	A	802	CLA	CHC-C1C	4.13	1.46	1.38
14	Y	810	CLA	CHB-C1B	4.13	1.48	1.39
14	B	826	CLA	CHB-C1B	4.13	1.48	1.39
14	H	830	CLA	CHD-C1D	4.13	1.46	1.38
14	Z	820	CLA	OBD-CAD	4.13	1.29	1.22
14	Y	805	CLA	C3D-C4D	-4.13	1.34	1.44
14	U	1004	CLA	CHC-C1C	4.13	1.46	1.38
14	A	816	CLA	CHB-C1B	4.13	1.48	1.39
14	G	822	CLA	CHB-C1B	4.13	1.48	1.39
14	Z	812	CLA	C3D-C4D	-4.13	1.34	1.44
14	Y	814	CLA	OBD-CAD	4.13	1.29	1.22
14	G	818	CLA	CHC-C4B	4.13	1.48	1.39
14	A	832	CLA	CHD-C1D	4.13	1.46	1.38
17	G	848	BCR	C10-C9	-4.12	1.26	1.35
14	Y	824	CLA	CHC-C4B	4.12	1.48	1.39
14	A	807	CLA	CHD-C4C	4.12	1.48	1.39
14	H	828	CLA	C3D-C4D	-4.12	1.34	1.44
14	Y	828	CLA	CHC-C4B	4.12	1.48	1.39
14	B	814	CLA	CHD-C4C	4.12	1.48	1.39
14	B	805	CLA	CHD-C1D	4.12	1.46	1.38
14	B	839	CLA	CHD-C4C	4.12	1.48	1.39
14	H	820	CLA	C3C-C2C	4.12	1.45	1.36
14	Y	822	CLA	C3C-C2C	4.12	1.45	1.36
14	G	826	CLA	C3D-C4D	-4.12	1.34	1.44
14	G	805	CLA	CHD-C4C	4.12	1.48	1.39
14	B	819	CLA	C3D-C4D	-4.12	1.34	1.44
14	L	205	CLA	C1D-ND	-4.12	1.32	1.37
14	B	802	CLA	CHD-C4C	4.11	1.48	1.39
14	K	101	CLA	CHD-C4C	4.11	1.48	1.39
14	A	810	CLA	CHC-C4B	4.11	1.48	1.39
14	G	802	CLA	C3D-C4D	-4.11	1.34	1.44
14	Z	802	CLA	OBD-CAD	4.11	1.29	1.22
14	B	810	CLA	CHD-C4C	4.11	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	806	CLA	CHD-C4C	4.11	1.48	1.39
14	F	202	CLA	CHB-C1B	4.11	1.48	1.39
14	H	837	CLA	C3D-C4D	-4.11	1.34	1.44
14	Y	821	CLA	C3C-C2C	4.11	1.45	1.36
14	A	852	CLA	CHB-C1B	4.11	1.48	1.39
14	Z	814	CLA	CHC-C4B	4.11	1.48	1.39
14	G	811	CLA	CHB-C1B	4.11	1.48	1.39
14	H	830	CLA	CHC-C4B	4.11	1.48	1.39
14	S	1101	CLA	CHD-C4C	4.11	1.48	1.39
14	B	821	CLA	CHB-C1B	4.11	1.48	1.39
17	Z	846	BCR	C10-C9	-4.11	1.26	1.35
14	Z	808	CLA	CHD-C4C	4.11	1.48	1.39
14	G	841	CLA	CHD-C1D	4.11	1.46	1.38
14	A	837	CLA	CHD-C1D	4.11	1.46	1.38
14	F	202	CLA	C3D-C4D	-4.11	1.34	1.44
14	Y	817	CLA	C3D-C4D	-4.11	1.34	1.44
14	G	822	CLA	CHD-C4C	4.11	1.48	1.39
14	H	836	CLA	CHD-C1D	4.11	1.46	1.38
14	H	835	CLA	CHD-C4C	4.11	1.48	1.39
14	H	809	CLA	CHC-C4B	4.11	1.48	1.39
14	Y	820	CLA	C3D-C4D	-4.10	1.35	1.44
14	H	827	CLA	OBD-CAD	4.10	1.29	1.22
14	B	829	CLA	CHD-C4C	4.10	1.48	1.39
14	B	807	CLA	C3C-C2C	4.10	1.45	1.36
14	Y	808	CLA	OBD-CAD	4.10	1.29	1.22
14	Z	838	CLA	C3D-C4D	-4.10	1.35	1.44
17	G	846	BCR	C10-C9	-4.10	1.26	1.35
14	B	830	CLA	C3D-C4D	-4.10	1.35	1.44
14	H	838	CLA	CHC-C4B	4.10	1.48	1.39
14	A	803	CLA	C3D-C4D	-4.10	1.35	1.44
14	F	202	CLA	CHD-C1D	4.10	1.46	1.38
17	A	847	BCR	C10-C9	-4.10	1.26	1.35
17	Y	851	BCR	C11-C12	-4.10	1.24	1.34
14	G	840	CLA	CHD-C4C	4.10	1.48	1.39
14	Z	821	CLA	CHD-C4C	4.10	1.48	1.39
14	X	1701	CLA	CHB-C1B	4.10	1.48	1.39
19	B	849	LMG	O7-C10	4.10	1.45	1.34
14	A	819	CLA	C3D-C4D	-4.10	1.35	1.44
14	A	803	CLA	OBD-CAD	4.09	1.29	1.22
14	Y	834	CLA	C3D-C4D	-4.09	1.35	1.44
14	Y	803	CLA	CHD-C4C	4.09	1.48	1.39
14	A	803	CLA	CHC-C4B	4.09	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	804	CLA	OBD-CAD	4.09	1.29	1.22
14	H	833	CLA	CHD-C4C	4.09	1.48	1.39
14	T	101	CLA	CHD-C4C	4.09	1.48	1.39
14	Z	814	CLA	CHD-C4C	4.09	1.48	1.39
17	f	105	BCR	C10-C9	-4.09	1.26	1.35
14	A	820	CLA	CHC-C4B	4.09	1.48	1.39
14	A	841	CLA	CHD-C4C	4.09	1.48	1.39
14	Y	835	CLA	CHC-C4B	4.09	1.48	1.39
14	B	838	CLA	CHB-C1B	4.09	1.48	1.39
14	Z	836	CLA	CHD-C1D	4.09	1.46	1.38
14	A	818	CLA	CHC-C4B	4.09	1.48	1.39
14	V	1201	CLA	C1D-ND	-4.09	1.32	1.37
14	Z	834	CLA	CHD-C4C	4.09	1.48	1.39
14	J	102	CLA	OBD-CAD	4.09	1.29	1.22
14	G	824	CLA	CHB-C1B	4.09	1.48	1.39
17	B	844	BCR	C10-C9	-4.08	1.26	1.35
14	Z	836	CLA	CHB-C1B	4.08	1.48	1.39
14	H	810	CLA	C3D-C4D	-4.08	1.35	1.44
14	G	839	CLA	OBD-CAD	4.08	1.29	1.22
14	H	818	CLA	C3D-C4D	-4.08	1.35	1.44
14	Z	829	CLA	C3D-C4D	-4.08	1.35	1.44
14	A	818	CLA	C3C-C2C	4.08	1.45	1.36
14	Y	842	CLA	CHB-C1B	4.08	1.48	1.39
14	H	816	CLA	CHC-C4B	4.08	1.48	1.39
14	G	853	CLA	CHC-C4B	4.08	1.48	1.39
13	A	801	CL0	OBD-CAD	4.08	1.29	1.22
14	H	804	CLA	C3C-C2C	4.08	1.45	1.36
14	Z	815	CLA	CHD-C4C	4.08	1.48	1.39
14	H	822	CLA	CHC-C4B	4.08	1.48	1.39
14	Y	822	CLA	CHD-C4C	4.08	1.48	1.39
14	Z	835	CLA	CHB-C1B	4.08	1.48	1.39
14	G	822	CLA	C3D-C4D	-4.08	1.35	1.44
14	B	839	CLA	CHB-C1B	4.07	1.48	1.39
14	G	836	CLA	CHB-C1B	4.07	1.48	1.39
14	Y	810	CLA	C3D-C4D	-4.07	1.35	1.44
14	Y	830	CLA	CHC-C4B	4.07	1.48	1.39
14	G	803	CLA	CHC-C4B	4.07	1.48	1.39
14	f	101	CLA	CHC-C4B	4.07	1.48	1.39
14	B	833	CLA	CHD-C4C	4.07	1.48	1.39
14	Z	804	CLA	OBD-CAD	4.07	1.29	1.22
14	H	829	CLA	C3D-C4D	-4.07	1.35	1.44
14	Y	823	CLA	CHC-C4B	4.07	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	840	CLA	C3C-C2C	4.07	1.45	1.36
14	B	821	CLA	CHD-C4C	4.07	1.48	1.39
14	L	202	CLA	C3D-C4D	-4.07	1.35	1.44
14	H	824	CLA	C3C-C2C	4.07	1.45	1.36
17	G	854	BCR	C11-C12	-4.06	1.24	1.34
14	B	816	CLA	OBD-CAD	4.06	1.29	1.22
14	H	813	CLA	OBD-CAD	4.06	1.29	1.22
14	L	201	CLA	CHB-C1B	4.06	1.48	1.39
14	H	834	CLA	C3D-C4D	-4.06	1.35	1.44
14	H	803	CLA	CHD-C4C	4.06	1.48	1.39
14	d	202	CLA	CHC-C4B	4.06	1.48	1.39
17	Q	204	BCR	C10-C9	-4.06	1.26	1.35
14	H	822	CLA	CHD-C4C	4.06	1.48	1.39
14	G	804	CLA	C3C-C2C	4.06	1.45	1.36
14	Y	807	CLA	C3D-C4D	-4.06	1.35	1.44
18	A	851	LHG	O7-C7	4.06	1.45	1.34
14	A	839	CLA	CHD-C4C	4.06	1.48	1.39
14	A	833	CLA	C3C-C2C	4.06	1.45	1.36
14	B	816	CLA	CHD-C4C	4.06	1.48	1.39
14	U	1003	CLA	CHC-C4B	4.06	1.48	1.39
14	H	828	CLA	CHD-C4C	4.05	1.48	1.39
14	G	817	CLA	CHD-C4C	4.05	1.48	1.39
17	G	850	BCR	C10-C9	-4.05	1.26	1.35
14	B	804	CLA	C3D-C4D	-4.05	1.35	1.44
17	B	848	BCR	C10-C9	-4.05	1.26	1.35
14	H	808	CLA	CHC-C1C	4.05	1.46	1.38
14	A	802	CLA	C3C-C2C	4.05	1.45	1.36
14	Z	830	CLA	CHD-C1D	4.05	1.46	1.38
17	L	208	BCR	C11-C12	-4.05	1.24	1.34
14	A	803	CLA	C3C-C2C	4.05	1.45	1.36
14	B	835	CLA	C3C-C2C	4.05	1.45	1.36
14	Q	201	CLA	CHD-C4C	4.05	1.48	1.39
14	G	826	CLA	OBD-CAD	4.05	1.29	1.22
14	A	830	CLA	C3C-C2C	4.05	1.45	1.36
14	L	207	CLA	CHC-C4B	4.05	1.48	1.39
14	Z	817	CLA	CHC-C4B	4.05	1.48	1.39
14	Y	841	CLA	C1D-ND	-4.04	1.32	1.37
14	Y	812	CLA	CHC-C4B	4.04	1.48	1.39
14	B	805	CLA	CHD-C4C	4.04	1.48	1.39
14	G	802	CLA	CHD-C1D	4.04	1.46	1.38
14	B	806	CLA	C3C-C2C	4.04	1.45	1.36
14	G	828	CLA	C3C-C2C	4.04	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	830	CLA	C3C-C2C	4.04	1.45	1.36
14	Z	808	CLA	C3D-C4D	-4.04	1.35	1.44
14	Y	825	CLA	CHB-C1B	4.04	1.48	1.39
14	B	832	CLA	C3D-C4D	-4.04	1.35	1.44
14	Y	812	CLA	CHB-C1B	4.04	1.48	1.39
14	G	806	CLA	OBD-CAD	4.04	1.29	1.22
14	B	810	CLA	CHB-C1B	4.04	1.48	1.39
14	H	808	CLA	CHD-C4C	4.04	1.48	1.39
14	H	806	CLA	OBD-CAD	4.04	1.29	1.22
14	Y	834	CLA	CHD-C1D	4.04	1.46	1.38
14	A	816	CLA	CHC-C4B	4.04	1.48	1.39
14	H	818	CLA	CHC-C4B	4.04	1.48	1.39
14	Z	830	CLA	CHC-C4B	4.04	1.48	1.39
14	Y	815	CLA	C3D-C4D	-4.04	1.35	1.44
14	Y	824	CLA	C3D-C4D	-4.04	1.35	1.44
14	Z	809	CLA	C3D-C4D	-4.04	1.35	1.44
14	f	101	CLA	CHB-C1B	4.04	1.48	1.39
14	H	814	CLA	CHD-C4C	4.04	1.48	1.39
14	S	1103	CLA	CHD-C4C	4.04	1.48	1.39
14	G	819	CLA	C3D-C4D	-4.03	1.35	1.44
14	H	833	CLA	CHB-C1B	4.03	1.48	1.39
14	Z	806	CLA	CHB-C1B	4.03	1.48	1.39
14	G	808	CLA	CHC-C4B	4.03	1.48	1.39
14	Z	820	CLA	C3D-C4D	-4.03	1.35	1.44
14	G	841	CLA	C3D-C4D	-4.03	1.35	1.44
14	Y	829	CLA	CHC-C4B	4.03	1.48	1.39
14	H	816	CLA	CHD-C1D	4.03	1.46	1.38
17	U	1007	BCR	C10-C9	-4.03	1.26	1.35
14	Z	819	CLA	CHD-C4C	4.03	1.48	1.39
14	Z	807	CLA	CHD-C1D	4.03	1.46	1.38
14	A	814	CLA	C3D-C4D	-4.03	1.35	1.44
14	H	810	CLA	CHC-C4B	4.03	1.48	1.39
17	e	101	BCR	C10-C9	-4.03	1.26	1.35
14	G	814	CLA	OBD-CAD	4.02	1.29	1.22
14	Y	841	CLA	C3C-C2C	4.02	1.45	1.36
14	G	838	CLA	C3C-C2C	4.02	1.45	1.36
14	Y	840	CLA	CHB-C1B	4.02	1.48	1.39
14	J	101	CLA	CHB-C1B	4.02	1.48	1.39
14	H	815	CLA	CHC-C4B	4.02	1.48	1.39
14	Y	807	CLA	OBD-CAD	4.02	1.29	1.22
14	Z	812	CLA	OBD-CAD	4.02	1.29	1.22
14	Y	837	CLA	CHD-C4C	4.02	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	813	CLA	CHD-C1D	4.02	1.46	1.38
14	g	102	CLA	CHB-C1B	4.02	1.48	1.39
14	A	824	CLA	OBD-CAD	4.02	1.29	1.22
14	A	825	CLA	CHB-C1B	4.02	1.48	1.39
14	H	821	CLA	CHD-C4C	4.02	1.48	1.39
14	G	843	CLA	OBD-CAD	4.02	1.29	1.22
14	B	832	CLA	C3C-C2C	4.01	1.45	1.36
14	g	101	CLA	CHB-C1B	4.01	1.48	1.39
14	G	837	CLA	CHD-C4C	4.01	1.48	1.39
14	H	820	CLA	CHC-C4B	4.01	1.48	1.39
14	G	813	CLA	CHD-C4C	4.01	1.48	1.39
14	g	101	CLA	CHC-C4B	4.01	1.48	1.39
14	H	807	CLA	C3D-C4D	-4.01	1.35	1.44
14	A	822	CLA	CHD-C4C	4.01	1.48	1.39
14	B	815	CLA	CHC-C4B	4.01	1.48	1.39
14	A	817	CLA	CHC-C4B	4.01	1.48	1.39
14	T	103	CLA	CHB-C1B	4.01	1.48	1.39
14	K	103	CLA	C3D-C4D	-4.01	1.35	1.44
14	G	808	CLA	CHD-C4C	4.01	1.48	1.39
17	i	101	BCR	C11-C12	-4.01	1.24	1.34
14	B	806	CLA	CHC-C4B	4.01	1.48	1.39
14	H	837	CLA	OBD-CAD	4.01	1.29	1.22
14	G	835	CLA	CHC-C4B	4.00	1.48	1.39
14	Y	831	CLA	CHB-C1B	4.00	1.48	1.39
14	U	1006	CLA	C3C-C2C	4.00	1.45	1.36
14	G	814	CLA	C3C-C2C	4.00	1.45	1.36
14	B	841	CLA	CHD-C4C	4.00	1.48	1.39
14	H	829	CLA	C3C-C2C	4.00	1.45	1.36
14	H	813	CLA	CHC-C4B	4.00	1.48	1.39
14	Y	833	CLA	CHC-C4B	4.00	1.48	1.39
14	Z	837	CLA	CHB-C1B	4.00	1.48	1.39
14	B	808	CLA	CHD-C4C	4.00	1.48	1.39
14	G	827	CLA	CHB-C1B	4.00	1.48	1.39
14	B	802	CLA	CHC-C4B	4.00	1.48	1.39
14	G	809	CLA	C3C-C2C	4.00	1.45	1.36
14	H	837	CLA	C3C-C2C	4.00	1.45	1.36
14	B	816	CLA	CHC-C4B	3.99	1.48	1.39
14	Z	808	CLA	OBD-CAD	3.99	1.29	1.22
14	A	804	CLA	CHD-C4C	3.99	1.48	1.39
14	W	1701	CLA	CHD-C4C	3.99	1.48	1.39
14	J	101	CLA	CHC-C4B	3.99	1.48	1.39
14	A	830	CLA	CHC-C4B	3.99	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	801	CLA	CHC-C4B	3.99	1.48	1.39
14	B	825	CLA	C1D-ND	-3.99	1.32	1.37
14	A	815	CLA	OBD-CAD	3.99	1.29	1.22
14	A	835	CLA	OBD-CAD	3.99	1.29	1.22
14	V	1201	CLA	CHD-C4C	3.99	1.48	1.39
14	Y	836	CLA	CHD-C4C	3.99	1.48	1.39
17	Y	848	BCR	C10-C9	-3.99	1.26	1.35
14	G	803	CLA	CHD-C4C	3.99	1.48	1.39
14	Y	816	CLA	CHD-C4C	3.99	1.48	1.39
14	H	823	CLA	CHB-C1B	3.99	1.48	1.39
14	Y	837	CLA	CHB-C1B	3.99	1.48	1.39
14	Z	819	CLA	C3C-C2C	3.99	1.45	1.36
14	K	103	CLA	CHB-C1B	3.99	1.48	1.39
14	B	828	CLA	CHD-C4C	3.99	1.48	1.39
14	G	830	CLA	CHC-C1C	3.99	1.46	1.38
14	B	834	CLA	CHC-C4B	3.99	1.48	1.39
14	H	825	CLA	CHB-C1B	3.99	1.48	1.39
14	H	817	CLA	C3D-C4D	-3.99	1.35	1.44
14	B	835	CLA	CHD-C4C	3.99	1.48	1.39
14	Z	808	CLA	CHC-C1C	3.99	1.46	1.38
14	H	802	CLA	C1B-NB	-3.98	1.32	1.37
14	G	831	CLA	OBD-CAD	3.98	1.29	1.22
14	A	812	CLA	CHC-C4B	3.98	1.48	1.39
14	H	827	CLA	CHD-C1D	3.98	1.46	1.38
14	G	825	CLA	OBD-CAD	3.98	1.29	1.22
14	Y	833	CLA	CHB-C1B	3.98	1.48	1.39
14	Z	837	CLA	C3D-C4D	-3.98	1.35	1.44
14	A	838	CLA	C3D-C4D	-3.98	1.35	1.44
14	S	1103	CLA	OBD-CAD	3.98	1.29	1.22
14	j	102	CLA	CHC-C4B	3.98	1.48	1.39
14	G	808	CLA	C3C-C2C	3.98	1.45	1.36
14	Y	836	CLA	OBD-CAD	3.98	1.29	1.22
14	Z	827	CLA	C4B-NB	-3.98	1.32	1.37
14	U	1006	CLA	CHD-C1D	3.98	1.46	1.38
14	B	839	CLA	C3C-C2C	3.98	1.45	1.36
14	A	839	CLA	CHC-C4B	3.98	1.48	1.39
14	Y	840	CLA	C3D-C4D	-3.98	1.35	1.44
14	Y	806	CLA	CHC-C4B	3.98	1.48	1.39
14	H	820	CLA	C3D-C4D	-3.98	1.35	1.44
14	H	835	CLA	OBD-CAD	3.98	1.29	1.22
14	T	103	CLA	C3D-C4D	-3.98	1.35	1.44
14	H	831	CLA	CHC-C4B	3.98	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	837	CLA	CHD-C1D	3.98	1.46	1.38
14	Y	855	CLA	CHC-C4B	3.98	1.48	1.39
14	A	813	CLA	CHD-C4C	3.97	1.48	1.39
14	A	825	CLA	OBD-CAD	3.97	1.29	1.22
14	Y	821	CLA	CHD-C4C	3.97	1.48	1.39
14	G	836	CLA	CHC-C4B	3.97	1.48	1.39
14	Y	822	CLA	OBD-CAD	3.97	1.29	1.22
14	H	802	CLA	CHD-C4C	3.97	1.48	1.39
14	Z	829	CLA	CHC-C4B	3.97	1.48	1.39
14	H	804	CLA	OBD-CAD	3.97	1.29	1.22
14	Y	834	CLA	OBD-CAD	3.97	1.29	1.22
14	Z	839	CLA	CHC-C4B	3.97	1.48	1.39
14	Y	808	CLA	CHC-C4B	3.97	1.48	1.39
14	H	811	CLA	CHD-C4C	3.97	1.48	1.39
13	Y	801	CL0	CHC-C1C	3.97	1.46	1.38
14	B	833	CLA	OBD-CAD	3.97	1.29	1.22
14	Y	813	CLA	CHC-C4B	3.97	1.48	1.39
14	Y	822	CLA	CHB-C1B	3.97	1.48	1.39
14	Z	813	CLA	C3D-C4D	-3.97	1.35	1.44
14	Z	821	CLA	CHB-C1B	3.96	1.48	1.39
17	U	1005	BCR	C10-C9	-3.96	1.26	1.35
14	f	101	CLA	C3D-C4D	-3.96	1.35	1.44
14	H	821	CLA	OBD-CAD	3.96	1.29	1.22
14	B	811	CLA	CHD-C4C	3.96	1.48	1.39
14	Z	823	CLA	OBD-CAD	3.96	1.29	1.22
14	Y	802	CLA	C3D-C4D	-3.96	1.35	1.44
14	Y	806	CLA	C3D-C4D	-3.96	1.35	1.44
14	Y	843	CLA	CHB-C1B	3.96	1.48	1.39
14	Y	820	CLA	C3C-C2C	3.96	1.45	1.36
14	U	1002	CLA	C3C-C2C	3.96	1.45	1.36
14	L	205	CLA	C3C-C2C	3.96	1.45	1.36
14	Z	810	CLA	CHC-C4B	3.95	1.48	1.39
14	B	838	CLA	CHC-C4B	3.95	1.48	1.39
13	A	801	CL0	CHB-C1B	3.95	1.48	1.39
14	A	819	CLA	CHD-C4C	3.95	1.48	1.39
14	H	823	CLA	CHD-C4C	3.95	1.48	1.39
14	Z	837	CLA	OBD-CAD	3.95	1.29	1.22
14	B	811	CLA	CHB-C1B	3.95	1.48	1.39
14	A	852	CLA	CHD-C4C	3.95	1.48	1.39
14	A	817	CLA	CHB-C1B	3.95	1.48	1.39
14	L	201	CLA	CHC-C4B	3.95	1.48	1.39
14	L	206	CLA	CHD-C4C	3.95	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	810	CLA	CHD-C4C	3.95	1.48	1.39
14	Y	826	CLA	CHD-C1D	3.95	1.46	1.38
14	Z	824	CLA	CHC-C4B	3.95	1.48	1.39
14	Q	201	CLA	CHC-C4B	3.95	1.48	1.39
14	Z	803	CLA	C3C-C2C	3.95	1.45	1.36
14	Y	810	CLA	CHC-C4B	3.95	1.48	1.39
14	Z	833	CLA	CHC-C4B	3.94	1.48	1.39
14	H	837	CLA	CHD-C4C	3.94	1.48	1.39
14	Z	804	CLA	CHD-C4C	3.94	1.48	1.39
14	H	819	CLA	CHC-C4B	3.94	1.48	1.39
14	Z	828	CLA	CHB-C1B	3.94	1.48	1.39
17	H	842	BCR	C10-C9	-3.94	1.26	1.35
14	Y	819	CLA	C3D-C4D	-3.94	1.35	1.44
14	Y	819	CLA	OBD-CAD	3.94	1.29	1.22
14	A	832	CLA	CHC-C4B	3.94	1.48	1.39
14	Z	828	CLA	CHD-C4C	3.94	1.48	1.39
14	B	841	CLA	OBD-CAD	3.94	1.29	1.22
14	A	837	CLA	CHB-C1B	3.94	1.48	1.39
18	H	847	LHG	O8-C23	3.94	1.44	1.33
14	h	205	CLA	CHD-C4C	3.94	1.48	1.39
14	H	804	CLA	CHB-C1B	3.94	1.48	1.39
14	B	822	CLA	CHB-C1B	3.94	1.48	1.39
14	B	832	CLA	CHC-C4B	3.94	1.48	1.39
14	Z	835	CLA	OBD-CAD	3.94	1.29	1.22
14	A	836	CLA	CHC-C4B	3.94	1.48	1.39
14	B	820	CLA	CHC-C4B	3.94	1.48	1.39
14	B	810	CLA	CHC-C4B	3.94	1.48	1.39
14	G	829	CLA	CHC-C4B	3.94	1.48	1.39
14	B	831	CLA	CHD-C4C	3.94	1.48	1.39
14	Z	810	CLA	CHB-C1B	3.94	1.48	1.39
14	Y	843	CLA	CHD-C1D	3.94	1.46	1.38
14	Z	835	CLA	CHD-C4C	3.94	1.48	1.39
14	Y	838	CLA	OBD-CAD	3.93	1.29	1.22
14	G	826	CLA	CHD-C4C	3.93	1.48	1.39
14	H	829	CLA	CHC-C4B	3.93	1.48	1.39
14	Y	809	CLA	CHC-C4B	3.93	1.48	1.39
14	Z	803	CLA	CHC-C4B	3.93	1.48	1.39
14	Z	822	CLA	CHC-C4B	3.93	1.48	1.39
14	Y	841	CLA	CHD-C1D	3.93	1.46	1.38
14	H	825	CLA	CHD-C4C	3.93	1.48	1.39
14	Z	805	CLA	CHC-C1C	3.93	1.46	1.38
14	f	102	CLA	OBD-CAD	3.93	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	816	CLA	C3D-C4D	-3.93	1.35	1.44
14	B	828	CLA	CHB-C1B	3.93	1.48	1.39
14	A	842	CLA	CHD-C1D	3.93	1.46	1.38
14	B	817	CLA	C3C-C2C	3.93	1.45	1.36
14	B	803	CLA	C1D-ND	-3.93	1.32	1.37
14	B	833	CLA	C3D-C4D	-3.93	1.35	1.44
14	T	103	CLA	CHD-C4C	3.93	1.48	1.39
14	Y	839	CLA	CHD-C4C	3.93	1.48	1.39
14	d	202	CLA	CHD-C4C	3.93	1.48	1.39
14	H	808	CLA	C3C-C2C	3.93	1.45	1.36
14	Y	830	CLA	C3C-C2C	3.93	1.45	1.36
14	G	842	CLA	CHB-C1B	3.93	1.48	1.39
14	Z	806	CLA	CHD-C4C	3.93	1.48	1.39
14	B	811	CLA	OBD-CAD	3.92	1.29	1.22
14	T	101	CLA	CHC-C4B	3.92	1.48	1.39
14	B	816	CLA	C3D-C4D	-3.92	1.35	1.44
17	R	102	BCR	C11-C12	-3.92	1.24	1.34
14	Y	835	CLA	CHB-C1B	3.92	1.48	1.39
14	Z	807	CLA	OBD-CAD	3.92	1.29	1.22
14	G	831	CLA	C3C-C2C	3.92	1.45	1.36
18	B	850	LHG	O7-C7	3.92	1.45	1.34
14	G	814	CLA	CHD-C4C	3.92	1.48	1.39
14	H	828	CLA	CHC-C1C	3.92	1.46	1.38
14	A	833	CLA	CHC-C4B	3.92	1.48	1.39
14	B	811	CLA	CHC-C4B	3.92	1.48	1.39
14	A	813	CLA	OBD-CAD	3.92	1.29	1.22
14	Y	824	CLA	CHB-C1B	3.92	1.48	1.39
14	Z	831	CLA	C3D-C4D	-3.92	1.35	1.44
14	H	829	CLA	OBD-CAD	3.92	1.29	1.22
14	A	814	CLA	CHC-C4B	3.91	1.48	1.39
14	B	824	CLA	CHB-C1B	3.91	1.48	1.39
14	Y	837	CLA	CHD-C1D	3.91	1.46	1.38
14	Y	820	CLA	CHC-C4B	3.91	1.48	1.39
14	U	1002	CLA	CHB-C1B	3.91	1.48	1.39
14	B	829	CLA	C3C-C2C	3.91	1.45	1.36
14	B	829	CLA	C3D-C4D	-3.91	1.35	1.44
14	Z	838	CLA	CHC-C4B	3.91	1.48	1.39
14	f	102	CLA	C3D-C4D	-3.91	1.35	1.44
14	A	823	CLA	OBD-CAD	3.91	1.29	1.22
14	Z	804	CLA	C1B-NB	-3.91	1.32	1.37
14	A	809	CLA	CHC-C4B	3.91	1.48	1.39
14	H	826	CLA	C3C-C2C	3.91	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	816	CLA	OBD-CAD	3.91	1.29	1.22
14	A	838	CLA	CHC-C4B	3.91	1.48	1.39
14	B	817	CLA	CHC-C4B	3.91	1.48	1.39
14	S	1102	CLA	CHB-C1B	3.91	1.48	1.39
14	T	103	CLA	OBD-CAD	3.91	1.29	1.22
14	B	812	CLA	CHC-C4B	3.91	1.48	1.39
14	A	808	CLA	C3C-C2C	3.90	1.45	1.36
14	Z	834	CLA	CHB-C1B	3.90	1.48	1.39
14	G	815	CLA	CHC-C4B	3.90	1.48	1.39
14	Z	832	CLA	CHD-C4C	3.90	1.48	1.39
14	Y	826	CLA	CHB-C1B	3.90	1.48	1.39
13	Y	801	CL0	CHD-C4C	3.90	1.48	1.39
14	A	820	CLA	OBD-CAD	3.90	1.29	1.22
14	A	815	CLA	CHB-C1B	3.90	1.48	1.39
14	G	816	CLA	OBD-CAD	3.90	1.29	1.22
14	Z	830	CLA	OBD-CAD	3.90	1.29	1.22
14	X	1701	CLA	OBD-CAD	3.90	1.29	1.22
14	h	205	CLA	CHB-C1B	3.90	1.48	1.39
14	B	830	CLA	CHB-C1B	3.90	1.48	1.39
14	K	103	CLA	C3C-C2C	3.90	1.45	1.36
14	H	833	CLA	C3C-C2C	3.89	1.45	1.36
14	A	839	CLA	OBD-CAD	3.89	1.29	1.22
14	A	829	CLA	CHB-C1B	3.89	1.48	1.39
14	B	815	CLA	CHD-C4C	3.89	1.48	1.39
14	Z	825	CLA	C3C-C2C	3.89	1.45	1.36
14	A	810	CLA	OBD-CAD	3.89	1.29	1.22
14	H	827	CLA	C3D-C4D	-3.89	1.35	1.44
14	H	819	CLA	CHB-C1B	3.89	1.48	1.39
14	H	815	CLA	CHB-C1B	3.89	1.48	1.39
14	G	807	CLA	CHD-C4C	3.89	1.48	1.39
17	A	849	BCR	C10-C9	-3.89	1.26	1.35
14	B	822	CLA	CHC-C4B	3.89	1.48	1.39
14	d	201	CLA	CHC-C4B	3.89	1.48	1.39
14	G	802	CLA	CHC-C4B	3.89	1.48	1.39
14	H	825	CLA	C3C-C2C	3.88	1.45	1.36
14	Y	815	CLA	CHD-C4C	3.88	1.48	1.39
14	H	818	CLA	CHB-C1B	3.88	1.48	1.39
14	B	822	CLA	OBD-CAD	3.88	1.29	1.22
14	H	837	CLA	CHC-C4B	3.88	1.48	1.39
14	A	820	CLA	CHD-C4C	3.88	1.48	1.39
14	A	815	CLA	CHD-C4C	3.88	1.48	1.39
14	H	836	CLA	CHC-C4B	3.88	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	819	CLA	CHD-C4C	3.88	1.48	1.39
14	H	828	CLA	C3C-C2C	3.88	1.45	1.36
14	Z	820	CLA	CHC-C4B	3.88	1.48	1.39
14	A	804	CLA	C3D-C4D	-3.88	1.35	1.44
14	A	835	CLA	CHC-C4B	3.88	1.48	1.39
14	B	803	CLA	CHB-C1B	3.88	1.48	1.39
14	A	831	CLA	CHC-C4B	3.88	1.48	1.39
14	B	836	CLA	CHC-C4B	3.88	1.48	1.39
14	H	826	CLA	CHD-C4C	3.88	1.48	1.39
14	H	801	CLA	CHD-C4C	3.88	1.48	1.39
14	h	205	CLA	C3C-C2C	3.88	1.45	1.36
14	Z	827	CLA	C1B-NB	-3.87	1.32	1.37
14	Y	820	CLA	CHB-C1B	3.87	1.48	1.39
14	g	102	CLA	CHD-C4C	3.87	1.48	1.39
14	Z	805	CLA	OBD-CAD	3.87	1.29	1.22
14	G	820	CLA	CHD-C4C	3.87	1.48	1.39
14	B	803	CLA	CHC-C4B	3.87	1.48	1.39
14	G	825	CLA	CHD-C1D	3.87	1.46	1.38
14	B	829	CLA	OBD-CAD	3.87	1.29	1.22
17	Y	850	BCR	C10-C9	-3.87	1.26	1.35
14	Y	832	CLA	CHB-C1B	3.87	1.48	1.39
14	G	815	CLA	OBD-CAD	3.87	1.29	1.22
14	Z	819	CLA	CHC-C4B	3.87	1.48	1.39
14	A	835	CLA	C3C-C2C	3.87	1.45	1.36
14	g	102	CLA	OBD-CAD	3.87	1.29	1.22
13	G	801	CL0	C1D-ND	-3.87	1.32	1.37
14	B	824	CLA	CHC-C4B	3.87	1.48	1.39
14	A	809	CLA	CHB-C1B	3.86	1.48	1.39
14	W	1701	CLA	CHC-C4B	3.86	1.48	1.39
14	Y	819	CLA	CHC-C4B	3.86	1.48	1.39
14	B	803	CLA	CHD-C1D	3.86	1.46	1.38
14	Y	838	CLA	C3D-C4D	-3.86	1.35	1.44
14	G	824	CLA	OBD-CAD	3.86	1.29	1.22
14	Q	203	CLA	CHB-C1B	3.86	1.48	1.39
14	B	832	CLA	CHD-C4C	3.86	1.48	1.39
14	B	834	CLA	CHD-C4C	3.86	1.48	1.39
14	h	206	CLA	C1D-ND	-3.86	1.32	1.37
14	H	823	CLA	OBD-CAD	3.86	1.29	1.22
14	A	814	CLA	CHD-C4C	3.86	1.48	1.39
14	H	828	CLA	OBD-CAD	3.86	1.29	1.22
14	H	817	CLA	CHC-C4B	3.86	1.48	1.39
19	H	846	LMG	C40-C39	-3.86	1.32	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	832	CLA	OBD-CAD	3.86	1.29	1.22
14	G	802	CLA	CHD-C4C	3.86	1.48	1.39
14	G	834	CLA	CHD-C4C	3.86	1.48	1.39
14	H	807	CLA	C3C-C2C	3.86	1.45	1.36
14	d	201	CLA	CHD-C4C	3.86	1.48	1.39
14	A	841	CLA	CHC-C4B	3.86	1.48	1.39
14	Z	826	CLA	CHD-C4C	3.86	1.48	1.39
14	B	805	CLA	CHC-C4B	3.85	1.48	1.39
14	H	814	CLA	CHC-C4B	3.85	1.48	1.39
14	B	804	CLA	OBD-CAD	3.85	1.29	1.22
14	Y	855	CLA	CHD-C1D	3.85	1.45	1.38
14	Z	808	CLA	C3C-C2C	3.85	1.45	1.36
14	A	842	CLA	CHC-C4B	3.85	1.48	1.39
14	A	820	CLA	CHB-C1B	3.85	1.48	1.39
14	H	833	CLA	CHC-C4B	3.85	1.48	1.39
14	Q	203	CLA	CHC-C4B	3.85	1.48	1.39
14	S	1103	CLA	CHB-C1B	3.85	1.48	1.39
14	Y	829	CLA	CHB-C1B	3.85	1.48	1.39
14	A	805	CLA	C3C-C2C	3.85	1.45	1.36
14	Z	820	CLA	C3D-C2D	3.84	1.49	1.39
14	H	830	CLA	CHD-C4C	3.84	1.47	1.39
14	G	809	CLA	CHC-C4B	3.84	1.48	1.39
14	H	812	CLA	CHC-C4B	3.84	1.48	1.39
14	A	852	CLA	C3C-C2C	3.84	1.45	1.36
14	V	1201	CLA	C3C-C2C	3.84	1.45	1.36
14	Y	811	CLA	CHB-C1B	3.84	1.48	1.39
14	G	838	CLA	CHD-C4C	3.84	1.47	1.39
14	A	831	CLA	CHD-C4C	3.84	1.47	1.39
14	G	842	CLA	CHC-C4B	3.84	1.48	1.39
14	Y	823	CLA	OBD-CAD	3.84	1.29	1.22
14	Y	832	CLA	CHD-C4C	3.84	1.47	1.39
14	Z	814	CLA	OBD-CAD	3.84	1.29	1.22
14	Y	804	CLA	CHC-C4B	3.84	1.48	1.39
13	A	801	CL0	CHD-C4C	3.84	1.47	1.39
14	G	830	CLA	C3D-C2D	3.84	1.49	1.39
14	Z	813	CLA	C4B-NB	-3.83	1.32	1.37
14	Y	843	CLA	CHD-C4C	3.83	1.47	1.39
14	A	819	CLA	CHC-C4B	3.83	1.48	1.39
14	Y	817	CLA	CHB-C1B	3.83	1.48	1.39
14	S	1102	CLA	CHC-C4B	3.83	1.48	1.39
17	A	848	BCR	C10-C9	-3.83	1.26	1.35
14	Z	812	CLA	CHB-C1B	3.83	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	806	CLA	C3C-C2C	3.83	1.45	1.36
14	G	835	CLA	CHD-C4C	3.83	1.47	1.39
14	Y	810	CLA	CHD-C4C	3.83	1.47	1.39
14	G	811	CLA	CHD-C4C	3.83	1.47	1.39
14	U	1004	CLA	C3D-C4D	-3.83	1.35	1.44
14	G	819	CLA	CHC-C4B	3.83	1.48	1.39
14	H	834	CLA	CHD-C1D	3.83	1.45	1.38
14	H	816	CLA	CHD-C4C	3.83	1.47	1.39
14	Y	807	CLA	CHB-C1B	3.83	1.48	1.39
14	Y	814	CLA	CHD-C4C	3.83	1.47	1.39
14	Y	802	CLA	C3C-C2C	3.83	1.45	1.36
14	G	817	CLA	CHB-C1B	3.82	1.48	1.39
14	H	832	CLA	CHB-C1B	3.82	1.48	1.39
17	h	203	BCR	C11-C12	-3.82	1.24	1.34
14	U	1006	CLA	C3D-C4D	-3.82	1.35	1.44
14	G	841	CLA	CHB-C1B	3.82	1.48	1.39
14	X	1701	CLA	CHD-C4C	3.82	1.47	1.39
14	Y	839	CLA	CHC-C4B	3.82	1.48	1.39
14	A	852	CLA	CHC-C4B	3.82	1.48	1.39
14	Z	838	CLA	CHD-C4C	3.82	1.47	1.39
19	Z	847	LMG	O8-C28	3.82	1.44	1.33
14	Y	833	CLA	CHD-C4C	3.82	1.47	1.39
17	H	844	BCR	C11-C12	-3.82	1.24	1.34
14	S	1101	CLA	CHB-C1B	3.82	1.48	1.39
14	H	809	CLA	OBD-CAD	3.82	1.29	1.22
14	h	206	CLA	CHB-C1B	3.82	1.48	1.39
14	G	832	CLA	CHD-C4C	3.82	1.47	1.39
14	G	824	CLA	CHD-C4C	3.82	1.47	1.39
14	A	837	CLA	OBD-CAD	3.82	1.29	1.22
14	h	206	CLA	CHD-C4C	3.82	1.47	1.39
14	Y	855	CLA	C1D-ND	-3.82	1.32	1.37
14	Z	829	CLA	CHB-C1B	3.82	1.48	1.39
14	H	821	CLA	CHB-C1B	3.81	1.48	1.39
14	h	201	CLA	CHD-C4C	3.81	1.47	1.39
17	B	843	BCR	C11-C12	-3.81	1.24	1.34
14	B	819	CLA	CHC-C4B	3.81	1.48	1.39
14	B	836	CLA	CHB-C1B	3.81	1.48	1.39
17	B	847	BCR	C11-C12	-3.81	1.24	1.34
14	B	805	CLA	OBD-CAD	3.81	1.29	1.22
14	Y	808	CLA	CHD-C4C	3.81	1.47	1.39
14	B	805	CLA	CHB-C1B	3.81	1.48	1.39
14	Y	839	CLA	C3D-C4D	-3.81	1.35	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	803	CLA	OBD-CAD	3.81	1.29	1.22
14	L	201	CLA	MG-ND	-3.81	1.98	2.05
17	B	845	BCR	C10-C9	-3.81	1.27	1.35
14	Z	831	CLA	OBD-CAD	3.81	1.29	1.22
14	G	832	CLA	CHC-C4B	3.80	1.47	1.39
14	B	834	CLA	CHB-C1B	3.80	1.47	1.39
14	Z	819	CLA	CHB-C1B	3.80	1.47	1.39
14	d	201	CLA	OBD-CAD	3.80	1.29	1.22
14	A	840	CLA	CHC-C4B	3.80	1.47	1.39
14	j	102	CLA	OBD-CAD	3.80	1.29	1.22
14	T	101	CLA	OBD-CAD	3.80	1.30	1.23
14	A	807	CLA	CHB-C1B	3.80	1.47	1.39
17	H	845	BCR	C10-C9	-3.80	1.27	1.35
14	H	828	CLA	C1B-NB	-3.80	1.32	1.37
14	G	833	CLA	C3D-C4D	-3.80	1.35	1.44
14	G	816	CLA	CHC-C4B	3.80	1.47	1.39
14	Y	838	CLA	CHB-C1B	3.79	1.47	1.39
14	L	206	CLA	MG-ND	-3.79	1.98	2.05
14	f	101	CLA	CHD-C4C	3.79	1.47	1.39
14	A	807	CLA	CHC-C4B	3.79	1.47	1.39
14	G	830	CLA	C3C-C2C	3.79	1.45	1.36
14	A	814	CLA	CHB-C1B	3.79	1.47	1.39
14	Y	827	CLA	CHD-C4C	3.79	1.47	1.39
14	A	809	CLA	CHD-C4C	3.79	1.47	1.39
14	S	1102	CLA	CHD-C4C	3.79	1.47	1.39
14	A	808	CLA	CHC-C4B	3.79	1.47	1.39
14	H	835	CLA	CHC-C4B	3.79	1.47	1.39
17	U	1007	BCR	C11-C12	-3.79	1.24	1.34
14	Z	829	CLA	OBD-CAD	3.79	1.29	1.22
14	B	815	CLA	CHB-C1B	3.79	1.47	1.39
14	H	802	CLA	C3C-C2C	3.79	1.44	1.36
14	Y	843	CLA	CHC-C4B	3.79	1.47	1.39
14	Z	811	CLA	CHB-C1B	3.79	1.47	1.39
14	B	826	CLA	CHD-C1D	3.78	1.45	1.38
17	A	846	BCR	C10-C9	-3.78	1.27	1.35
14	G	820	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	809	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	816	CLA	CHD-C4C	3.78	1.47	1.39
14	A	810	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	839	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	811	CLA	CHD-C1D	3.78	1.45	1.38
14	H	807	CLA	C3D-C2D	3.78	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	831	CLA	C3C-C2C	3.78	1.44	1.36
14	H	811	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	828	CLA	CHC-C4B	3.78	1.47	1.39
13	A	801	CL0	C1D-ND	-3.78	1.32	1.37
14	L	201	CLA	CHD-C1D	3.78	1.45	1.38
14	Y	802	CLA	CHC-C4B	3.78	1.47	1.39
14	G	826	CLA	CHC-C4B	3.78	1.47	1.39
14	H	813	CLA	CHD-C4C	3.78	1.47	1.39
14	G	816	CLA	CHB-C1B	3.78	1.47	1.39
14	Z	837	CLA	CHC-C4B	3.78	1.47	1.39
14	G	809	CLA	CHD-C4C	3.78	1.47	1.39
14	Z	818	CLA	CHD-C4C	3.77	1.47	1.39
14	Y	827	CLA	CHB-C1B	3.77	1.47	1.39
14	U	1004	CLA	CHC-C4B	3.77	1.47	1.39
14	H	834	CLA	CHC-C4B	3.77	1.47	1.39
14	U	1002	CLA	CHC-C4B	3.77	1.47	1.39
14	H	820	CLA	OBD-CAD	3.77	1.29	1.22
14	A	840	CLA	CHB-C1B	3.77	1.47	1.39
14	B	833	CLA	CHB-C1B	3.77	1.47	1.39
14	Y	802	CLA	OBD-CAD	3.77	1.29	1.22
19	H	846	LMG	C37-C36	-3.77	1.33	1.51
14	Z	817	CLA	OBD-CAD	3.77	1.29	1.22
14	A	835	CLA	CHB-C1B	3.77	1.47	1.39
14	Y	813	CLA	CHB-C1B	3.77	1.47	1.39
14	B	816	CLA	CHB-C1B	3.77	1.47	1.39
14	A	822	CLA	C3D-C4D	-3.76	1.35	1.44
14	A	824	CLA	CHB-C1B	3.76	1.47	1.39
17	Z	841	BCR	C11-C12	-3.76	1.24	1.34
14	H	824	CLA	CHD-C4C	3.76	1.47	1.39
14	G	826	CLA	CHB-C1B	3.76	1.47	1.39
14	Z	807	CLA	CHB-C1B	3.76	1.47	1.39
14	A	818	CLA	OBD-CAD	3.76	1.29	1.22
14	h	201	CLA	C3C-C2C	3.76	1.44	1.36
14	H	825	CLA	OBD-CAD	3.76	1.29	1.22
14	X	1701	CLA	CHC-C4B	3.76	1.47	1.39
14	B	825	CLA	OBD-CAD	3.76	1.29	1.22
14	Z	805	CLA	C1B-NB	-3.76	1.32	1.37
14	L	202	CLA	CHD-C4C	3.76	1.47	1.39
14	B	821	CLA	CHC-C4B	3.76	1.47	1.39
14	Y	808	CLA	CHB-C1B	3.75	1.47	1.39
14	Z	827	CLA	OBD-CAD	3.75	1.28	1.22
14	A	838	CLA	CHD-C4C	3.75	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	833	CLA	CHD-C4C	3.75	1.47	1.39
14	B	814	CLA	OBD-CAD	3.75	1.28	1.22
14	U	1006	CLA	OBD-CAD	3.75	1.28	1.22
14	W	1701	CLA	CHB-C1B	3.75	1.47	1.39
14	Y	854	CLA	CHC-C4B	3.75	1.47	1.39
14	V	1201	CLA	CHB-C1B	3.75	1.47	1.39
14	A	821	CLA	CHB-C1B	3.75	1.47	1.39
14	H	812	CLA	C3C-C2C	3.75	1.44	1.36
14	Y	825	CLA	CHC-C4B	3.75	1.47	1.39
14	Z	801	CLA	CHD-C4C	3.75	1.47	1.39
14	j	102	CLA	CHB-C1B	3.75	1.47	1.39
14	Z	807	CLA	C4B-NB	-3.74	1.32	1.37
14	Z	837	CLA	C3C-C2C	3.74	1.44	1.36
14	A	841	CLA	OBD-CAD	3.74	1.28	1.22
14	h	207	CLA	OBD-CAD	3.74	1.28	1.22
14	W	1701	CLA	OBD-CAD	3.74	1.28	1.22
14	G	827	CLA	CHD-C1D	3.74	1.45	1.38
14	Y	831	CLA	CHD-C4C	3.74	1.47	1.39
14	h	205	CLA	CHC-C4B	3.74	1.47	1.39
14	Y	818	CLA	OBD-CAD	3.74	1.28	1.22
14	Y	830	CLA	C1D-ND	-3.74	1.33	1.37
14	Z	806	CLA	C3C-C2C	3.74	1.44	1.36
14	Y	807	CLA	CHD-C4C	3.73	1.47	1.39
14	A	805	CLA	CHC-C4B	3.73	1.47	1.39
14	S	1102	CLA	OBD-CAD	3.73	1.28	1.22
17	G	849	BCR	C11-C12	-3.73	1.24	1.34
14	Z	834	CLA	CHC-C4B	3.73	1.47	1.39
14	H	820	CLA	CHB-C1B	3.73	1.47	1.39
14	H	802	CLA	OBD-CAD	3.73	1.28	1.22
14	f	102	CLA	CHB-C1B	3.73	1.47	1.39
14	F	202	CLA	OBD-CAD	3.73	1.28	1.22
14	B	806	CLA	C1D-ND	-3.73	1.33	1.37
14	H	819	CLA	OBD-CAD	3.73	1.28	1.22
14	Z	809	CLA	OBD-CAD	3.73	1.28	1.22
14	Z	831	CLA	CHC-C4B	3.72	1.47	1.39
14	g	102	CLA	CHC-C4B	3.72	1.47	1.39
14	G	822	CLA	CHC-C4B	3.72	1.47	1.39
14	B	806	CLA	CHD-C4C	3.72	1.47	1.39
14	H	835	CLA	C3C-C2C	3.72	1.44	1.36
17	J	103	BCR	C10-C9	-3.72	1.27	1.35
14	A	804	CLA	CHC-C4B	3.72	1.47	1.39
14	G	804	CLA	CHC-C4B	3.72	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	805	CLA	CHC-C4B	3.72	1.47	1.39
17	f	104	BCR	C11-C12	-3.72	1.25	1.34
14	G	835	CLA	CHB-C1B	3.71	1.47	1.39
14	T	103	CLA	CHC-C4B	3.71	1.47	1.39
14	L	202	CLA	CHC-C4B	3.71	1.47	1.39
14	H	809	CLA	CHD-C4C	3.71	1.47	1.39
14	g	101	CLA	OBD-CAD	3.71	1.30	1.23
14	Q	201	CLA	C1B-NB	-3.71	1.33	1.37
14	B	808	CLA	C3C-C2C	3.71	1.44	1.36
14	H	830	CLA	OBD-CAD	3.71	1.28	1.22
14	G	824	CLA	CHC-C4B	3.71	1.47	1.39
14	L	202	CLA	OBD-CAD	3.71	1.28	1.22
14	G	806	CLA	CHD-C4C	3.70	1.47	1.39
14	G	823	CLA	CHD-C4C	3.70	1.47	1.39
14	H	804	CLA	CHD-C4C	3.70	1.47	1.39
14	Y	840	CLA	CHD-C4C	3.70	1.47	1.39
14	H	807	CLA	CHB-C1B	3.70	1.47	1.39
14	Y	824	CLA	CHD-C4C	3.70	1.47	1.39
14	H	812	CLA	OBD-CAD	3.70	1.28	1.22
14	A	803	CLA	CHD-C4C	3.70	1.47	1.39
14	H	838	CLA	CHB-C1B	3.70	1.47	1.39
14	B	808	CLA	CHC-C4B	3.70	1.47	1.39
14	U	1003	CLA	CHD-C4C	3.70	1.47	1.39
18	G	851	LHG	O7-C7	3.70	1.44	1.34
17	Q	202	BCR	C11-C12	-3.70	1.25	1.34
14	B	828	CLA	CHC-C4B	3.70	1.47	1.39
14	B	802	CLA	OBD-CAD	3.70	1.28	1.22
14	A	817	CLA	CHD-C4C	3.69	1.47	1.39
14	A	829	CLA	OBD-CAD	3.69	1.28	1.22
14	A	803	CLA	CHB-C1B	3.69	1.47	1.39
14	Y	817	CLA	OBD-CAD	3.69	1.28	1.22
14	B	831	CLA	CHB-C1B	3.69	1.47	1.39
14	A	809	CLA	C1B-NB	-3.69	1.33	1.37
14	Z	822	CLA	CHB-C1B	3.69	1.47	1.39
19	H	846	LMG	C19-C18	-3.69	1.33	1.51
14	L	206	CLA	C1B-NB	-3.69	1.33	1.37
14	h	201	CLA	C1D-ND	-3.69	1.33	1.37
14	G	831	CLA	CHC-C4B	3.69	1.47	1.39
14	L	202	CLA	C1C-NC	-3.69	1.32	1.37
14	G	802	CLA	C1B-NB	-3.69	1.33	1.37
14	K	101	CLA	CHC-C4B	3.69	1.47	1.39
14	h	201	CLA	C1B-NB	-3.69	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	831	CLA	CHB-C1B	3.68	1.47	1.39
14	Z	808	CLA	C1B-NB	-3.68	1.33	1.37
14	Z	830	CLA	CHD-C4C	3.68	1.47	1.39
14	B	840	CLA	CHD-C4C	3.68	1.47	1.39
19	Z	847	LMG	O7-C10	3.68	1.44	1.34
14	A	818	CLA	CHD-C4C	3.68	1.47	1.39
14	Y	806	CLA	CHB-C1B	3.68	1.47	1.39
14	H	827	CLA	CHC-C4B	3.68	1.47	1.39
14	Z	822	CLA	CHD-C4C	3.68	1.47	1.39
17	F	201	BCR	C11-C12	-3.68	1.25	1.34
14	Z	817	CLA	CHD-C4C	3.68	1.47	1.39
14	G	811	CLA	CHC-C4B	3.68	1.47	1.39
14	Y	840	CLA	CHC-C4B	3.68	1.47	1.39
14	A	852	CLA	C1D-ND	-3.68	1.33	1.37
14	G	809	CLA	CHB-C1B	3.67	1.47	1.39
14	Z	836	CLA	CHD-C4C	3.67	1.47	1.39
14	G	834	CLA	CHB-C1B	3.67	1.47	1.39
14	Y	815	CLA	CHB-C1B	3.67	1.47	1.39
14	Y	854	CLA	C1D-ND	-3.67	1.33	1.37
17	L	209	BCR	C11-C12	-3.67	1.25	1.34
14	Z	830	CLA	CHB-C1B	3.67	1.47	1.39
14	H	838	CLA	OBD-CAD	3.67	1.28	1.22
14	G	833	CLA	CHD-C4C	3.67	1.47	1.39
14	A	829	CLA	MG-ND	-3.67	1.98	2.05
14	Z	813	CLA	CHC-C4B	3.67	1.47	1.39
17	h	202	BCR	C10-C9	-3.67	1.27	1.35
14	H	838	CLA	CHD-C4C	3.67	1.47	1.39
14	U	1004	CLA	CHD-C4C	3.67	1.47	1.39
14	G	828	CLA	OBD-CAD	3.67	1.28	1.22
14	Z	821	CLA	OBD-CAD	3.67	1.28	1.22
14	H	830	CLA	C1D-ND	-3.66	1.33	1.37
14	Y	837	CLA	CHC-C4B	3.66	1.47	1.39
14	K	103	CLA	CHD-C4C	3.66	1.47	1.39
14	Y	842	CLA	CHD-C4C	3.66	1.47	1.39
14	Y	822	CLA	CHC-C4B	3.66	1.47	1.39
14	G	842	CLA	OBD-CAD	3.66	1.28	1.22
14	A	827	CLA	C1D-ND	-3.66	1.33	1.37
14	H	825	CLA	CHC-C4B	3.66	1.47	1.39
14	A	832	CLA	C1D-ND	-3.66	1.33	1.37
14	A	831	CLA	CHB-C1B	3.66	1.47	1.39
14	Z	833	CLA	CHB-C1B	3.66	1.47	1.39
14	Y	839	CLA	C1B-C2B	3.66	1.51	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Z	842	BCR	C10-C9	-3.66	1.27	1.35
14	Z	816	CLA	CHC-C4B	3.66	1.47	1.39
14	A	831	CLA	OBD-CAD	3.66	1.28	1.22
14	Z	823	CLA	CHC-C4B	3.65	1.47	1.39
14	H	809	CLA	CHB-C1B	3.65	1.47	1.39
14	B	824	CLA	CHD-C4C	3.65	1.47	1.39
14	Y	816	CLA	CHB-C1B	3.65	1.47	1.39
14	G	829	CLA	CHB-C1B	3.65	1.47	1.39
14	Y	825	CLA	OBD-CAD	3.65	1.28	1.22
14	G	810	CLA	CHB-C1B	3.65	1.47	1.39
14	G	832	CLA	CHB-C1B	3.65	1.47	1.39
14	Z	802	CLA	C1B-NB	-3.65	1.33	1.37
14	A	841	CLA	C1B-NB	-3.65	1.33	1.37
14	G	829	CLA	CHD-C4C	3.64	1.47	1.39
13	G	801	CL0	CHC-C4B	3.64	1.47	1.39
14	H	836	CLA	CHD-C4C	3.64	1.47	1.39
14	Z	808	CLA	CHC-C4B	3.64	1.47	1.39
14	J	101	CLA	OBD-CAD	3.64	1.28	1.22
14	H	818	CLA	CHD-C4C	3.64	1.47	1.39
14	H	821	CLA	CHC-C4B	3.64	1.47	1.39
14	Y	823	CLA	CHD-C4C	3.64	1.47	1.39
14	H	818	CLA	OBD-CAD	3.64	1.28	1.22
14	A	802	CLA	C1B-NB	-3.64	1.33	1.37
14	A	830	CLA	CHB-C1B	3.64	1.47	1.39
14	G	825	CLA	CHC-C4B	3.64	1.47	1.39
14	G	842	CLA	C3D-C2D	3.64	1.48	1.39
14	B	809	CLA	CHC-C4B	3.64	1.47	1.39
14	B	827	CLA	CHC-C4B	3.64	1.47	1.39
14	H	829	CLA	C3D-C2D	3.64	1.48	1.39
14	A	836	CLA	C1B-NB	-3.63	1.33	1.37
14	Z	827	CLA	CHC-C1C	3.63	1.45	1.38
13	G	801	CL0	C1B-NB	-3.63	1.33	1.37
14	B	832	CLA	CHB-C1B	3.63	1.47	1.39
14	A	828	CLA	C1B-NB	-3.63	1.33	1.37
14	B	826	CLA	CHC-C4B	3.63	1.47	1.39
17	Y	856	BCR	C10-C9	-3.63	1.27	1.35
14	G	810	CLA	CHD-C4C	3.63	1.47	1.39
14	B	805	CLA	C1D-ND	-3.63	1.33	1.37
14	B	840	CLA	CHB-C1B	3.63	1.47	1.39
14	B	830	CLA	OBD-CAD	3.63	1.28	1.22
17	f	103	BCR	C10-C9	-3.63	1.27	1.35
13	G	801	CL0	OBD-CAD	3.63	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CLA	CHB-C1B	3.62	1.47	1.39
14	Z	834	CLA	OBD-CAD	3.62	1.28	1.22
14	A	826	CLA	CHC-C4B	3.62	1.47	1.39
14	H	823	CLA	CHC-C4B	3.62	1.47	1.39
14	G	833	CLA	CHB-C1B	3.62	1.47	1.39
14	Y	831	CLA	CHC-C4B	3.62	1.47	1.39
14	H	810	CLA	OBD-CAD	3.62	1.28	1.22
14	Y	817	CLA	CHD-C4C	3.62	1.47	1.39
19	Z	847	LMG	C40-C39	-3.62	1.33	1.51
19	Z	847	LMG	C19-C18	-3.62	1.33	1.51
14	F	202	CLA	CHD-C4C	3.62	1.47	1.39
14	A	836	CLA	CHB-C1B	3.61	1.47	1.39
14	B	838	CLA	CHD-C4C	3.61	1.47	1.39
14	H	834	CLA	C1B-NB	-3.61	1.33	1.37
14	B	808	CLA	OBD-CAD	3.61	1.28	1.22
14	H	806	CLA	CHD-C4C	3.61	1.47	1.39
14	A	832	CLA	OBD-CAD	3.61	1.28	1.22
14	Y	802	CLA	C1B-NB	-3.61	1.33	1.37
14	H	832	CLA	CHC-C4B	3.61	1.47	1.39
14	L	205	CLA	CHB-C1B	3.61	1.47	1.39
14	Z	808	CLA	CHB-C1B	3.61	1.47	1.39
14	L	207	CLA	CHD-C4C	3.60	1.47	1.39
14	G	843	CLA	CHB-C1B	3.60	1.47	1.39
14	B	801	CLA	OBD-CAD	3.60	1.28	1.22
13	G	801	CL0	CHB-C1B	3.60	1.47	1.39
14	B	841	CLA	CHC-C4B	3.60	1.47	1.39
14	G	838	CLA	OBD-CAD	3.60	1.28	1.22
14	A	811	CLA	CHC-C4B	3.60	1.47	1.39
14	G	828	CLA	CHD-C4C	3.60	1.47	1.39
14	H	808	CLA	OBD-CAD	3.60	1.28	1.22
14	h	201	CLA	CHB-C1B	3.60	1.47	1.39
14	A	817	CLA	OBD-CAD	3.60	1.28	1.22
14	B	802	CLA	CHB-C1B	3.60	1.47	1.39
14	G	834	CLA	OBD-CAD	3.60	1.28	1.22
14	H	827	CLA	CHD-C4C	3.60	1.47	1.39
14	G	838	CLA	CHC-C4B	3.60	1.47	1.39
14	H	814	CLA	OBD-CAD	3.60	1.28	1.22
14	H	825	CLA	C1D-ND	-3.59	1.33	1.37
14	Y	805	CLA	CHB-C1B	3.59	1.47	1.39
14	Z	818	CLA	CHB-C1B	3.59	1.47	1.39
14	Z	831	CLA	CHB-C1B	3.59	1.47	1.39
14	T	101	CLA	CHB-C1B	3.59	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	855	CLA	OBD-CAD	3.59	1.28	1.22
14	L	206	CLA	CHB-C1B	3.59	1.47	1.39
14	B	840	CLA	CHD-C1D	3.59	1.45	1.38
14	Y	839	CLA	OBD-CAD	3.59	1.28	1.22
14	Z	813	CLA	CHD-C4C	3.59	1.47	1.39
14	Y	827	CLA	OBD-CAD	3.59	1.28	1.22
14	Y	842	CLA	CHC-C4B	3.59	1.47	1.39
14	H	829	CLA	CHD-C4C	3.58	1.47	1.39
14	A	802	CLA	OBD-CAD	3.58	1.28	1.22
14	G	840	CLA	CHB-C1B	3.58	1.47	1.39
14	G	808	CLA	CHB-C1B	3.58	1.47	1.39
17	Y	850	BCR	C11-C12	-3.58	1.25	1.34
14	B	838	CLA	OBD-CAD	3.58	1.28	1.22
17	d	203	BCR	C10-C9	-3.58	1.27	1.35
14	B	809	CLA	CHD-C4C	3.58	1.47	1.39
19	B	849	LMG	C19-C18	-3.58	1.34	1.51
14	B	824	CLA	OBD-CAD	3.58	1.28	1.22
14	H	815	CLA	CHD-C4C	3.58	1.47	1.39
14	H	805	CLA	OBD-CAD	3.58	1.28	1.22
14	A	832	CLA	C1B-C2B	3.58	1.51	1.43
14	Z	822	CLA	OBD-CAD	3.57	1.28	1.22
19	B	849	LMG	C40-C39	-3.57	1.34	1.51
14	A	840	CLA	OBD-CAD	3.57	1.28	1.22
14	Z	835	CLA	C1B-NB	-3.57	1.33	1.37
14	Y	824	CLA	OBD-CAD	3.57	1.28	1.22
14	B	835	CLA	CHB-C1B	3.57	1.47	1.39
14	A	838	CLA	C3C-C2C	3.57	1.44	1.36
14	Z	836	CLA	OBD-CAD	3.57	1.28	1.22
14	H	814	CLA	CHB-C1B	3.57	1.47	1.39
14	A	805	CLA	OBD-CAD	3.57	1.28	1.22
14	Y	838	CLA	MG-NC	3.57	2.14	2.06
14	H	834	CLA	OBD-CAD	3.57	1.28	1.22
14	Y	810	CLA	OBD-CAD	3.57	1.28	1.22
14	H	835	CLA	CHB-C1B	3.57	1.47	1.39
14	H	817	CLA	C1B-NB	-3.57	1.33	1.37
14	H	813	CLA	CHB-C1B	3.57	1.47	1.39
14	Z	825	CLA	CHB-C1B	3.56	1.47	1.39
14	B	829	CLA	C1C-NC	-3.56	1.32	1.37
14	B	809	CLA	OBD-CAD	3.56	1.28	1.22
14	H	806	CLA	C1B-NB	-3.56	1.33	1.37
13	A	801	CL0	CHC-C4B	3.56	1.47	1.39
14	A	826	CLA	OBD-CAD	3.56	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	821	CLA	OBD-CAD	3.56	1.28	1.22
14	G	837	CLA	CHB-C1B	3.56	1.47	1.39
14	H	819	CLA	CHD-C1D	3.56	1.45	1.38
14	Y	830	CLA	CHB-C1B	3.56	1.47	1.39
19	B	849	LMG	O8-C28	3.56	1.43	1.33
14	H	819	CLA	CHD-C4C	3.56	1.47	1.39
14	A	819	CLA	CHB-C1B	3.56	1.47	1.39
14	A	813	CLA	CHB-C1B	3.56	1.47	1.39
14	Z	826	CLA	CHB-C1B	3.56	1.47	1.39
14	Y	843	CLA	OBD-CAD	3.55	1.28	1.22
14	G	830	CLA	C1C-NC	-3.55	1.32	1.37
14	H	805	CLA	CHB-C1B	3.55	1.47	1.39
17	A	845	BCR	C10-C9	-3.55	1.27	1.35
14	Y	855	CLA	CHD-C4C	3.55	1.47	1.39
14	A	819	CLA	OBD-CAD	3.55	1.28	1.22
14	H	826	CLA	OBD-CAD	3.55	1.28	1.22
14	Y	855	CLA	MG-ND	-3.55	1.98	2.05
14	Y	828	CLA	CHB-C1B	3.55	1.47	1.39
14	H	830	CLA	CHB-C1B	3.55	1.47	1.39
14	B	813	CLA	C1C-NC	-3.55	1.32	1.37
14	H	828	CLA	CHB-C1B	3.54	1.47	1.39
14	U	1002	CLA	CHD-C4C	3.54	1.47	1.39
14	B	812	CLA	OBD-CAD	3.54	1.28	1.22
14	A	841	CLA	CHB-C1B	3.54	1.47	1.39
14	G	831	CLA	CHD-C4C	3.54	1.47	1.39
14	H	807	CLA	CHC-C4B	3.54	1.47	1.39
13	Y	801	CL0	OBD-CAD	3.53	1.28	1.22
14	J	102	CLA	C1B-NB	-3.53	1.33	1.37
14	B	816	CLA	C3D-C2D	3.53	1.48	1.39
14	L	207	CLA	OBD-CAD	3.53	1.28	1.22
14	Z	811	CLA	CHD-C4C	3.53	1.47	1.39
14	h	201	CLA	MG-ND	-3.53	1.98	2.05
14	Y	818	CLA	C1B-NB	-3.53	1.33	1.37
14	G	810	CLA	OBD-CAD	3.53	1.28	1.22
14	H	821	CLA	C1D-ND	-3.53	1.33	1.37
17	e	101	BCR	C11-C12	-3.53	1.25	1.34
14	B	810	CLA	C3C-C2C	3.52	1.44	1.36
14	Z	806	CLA	OBD-CAD	3.52	1.28	1.22
14	G	813	CLA	CHB-C1B	3.52	1.47	1.39
14	Z	801	CLA	CHB-C1B	3.52	1.47	1.39
14	U	1006	CLA	CHD-C4C	3.52	1.47	1.39
14	Y	841	CLA	OBD-CAD	3.52	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	835	CLA	CHC-C4B	3.52	1.47	1.39
17	J	104	BCR	C11-C12	-3.52	1.25	1.34
14	B	807	CLA	OBD-CAD	3.52	1.28	1.22
14	G	804	CLA	C1B-NB	-3.52	1.33	1.37
14	B	803	CLA	OBD-CAD	3.52	1.28	1.22
14	Y	832	CLA	OBD-CAD	3.52	1.28	1.22
14	Z	831	CLA	C3D-C2D	3.52	1.48	1.39
14	B	822	CLA	CHD-C4C	3.52	1.47	1.39
14	A	818	CLA	MG-ND	-3.52	1.98	2.05
14	B	825	CLA	CHD-C4C	3.52	1.47	1.39
14	H	816	CLA	C3C-C2C	3.52	1.44	1.36
14	d	202	CLA	CHB-C1B	3.52	1.47	1.39
14	G	823	CLA	CHC-C4B	3.52	1.47	1.39
14	Z	831	CLA	MG-ND	-3.52	1.98	2.05
14	G	805	CLA	OBD-CAD	3.52	1.28	1.22
14	B	829	CLA	CHC-C4B	3.52	1.47	1.39
14	Q	201	CLA	OBD-CAD	3.52	1.28	1.22
14	H	817	CLA	OBD-CAD	3.51	1.28	1.22
14	G	805	CLA	C3C-C2C	3.51	1.44	1.36
14	S	1101	CLA	C4B-NB	-3.51	1.33	1.37
14	Y	816	CLA	OBD-CAD	3.51	1.28	1.22
14	Z	812	CLA	C1B-NB	-3.51	1.33	1.37
14	G	822	CLA	OBD-CAD	3.51	1.28	1.22
14	Y	835	CLA	MG-NC	3.51	2.14	2.06
14	Z	816	CLA	CHB-C1B	3.51	1.47	1.39
14	Z	827	CLA	CHB-C1B	3.51	1.47	1.39
14	H	833	CLA	OBD-CAD	3.51	1.28	1.22
14	A	827	CLA	CHB-C1B	3.50	1.47	1.39
14	Y	820	CLA	OBD-CAD	3.50	1.28	1.22
14	Y	854	CLA	CHB-C1B	3.50	1.47	1.39
14	Z	804	CLA	C3C-C2C	3.50	1.44	1.36
14	A	807	CLA	OBD-CAD	3.50	1.28	1.22
14	Z	807	CLA	CHC-C4B	3.50	1.47	1.39
14	Y	821	CLA	C3D-C2D	3.50	1.48	1.39
17	V	1202	BCR	C11-C12	-3.50	1.25	1.34
17	I	101	BCR	C10-C9	-3.50	1.27	1.35
14	Y	806	CLA	OBD-CAD	3.50	1.28	1.22
14	G	805	CLA	CHB-C1B	3.50	1.47	1.39
14	H	834	CLA	CHD-C4C	3.50	1.47	1.39
14	H	823	CLA	MG-ND	-3.50	1.98	2.05
14	G	815	CLA	CHB-C1B	3.49	1.47	1.39
14	Z	801	CLA	C1D-ND	-3.49	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	826	CLA	CHC-C4B	3.49	1.47	1.39
14	A	829	CLA	CHC-C4B	3.49	1.47	1.39
14	B	818	CLA	CHC-C4B	3.49	1.47	1.39
14	Y	836	CLA	CHB-C1B	3.49	1.47	1.39
14	A	827	CLA	MG-ND	-3.49	1.98	2.05
14	B	818	CLA	CHB-C1B	3.49	1.47	1.39
14	B	828	CLA	OBD-CAD	3.49	1.28	1.22
14	Z	817	CLA	CHB-C1B	3.49	1.47	1.39
14	G	802	CLA	C1D-ND	-3.48	1.33	1.37
14	S	1101	CLA	CHC-C4B	3.48	1.47	1.39
14	h	201	CLA	C4B-NB	-3.48	1.33	1.37
14	A	833	CLA	CHB-C1B	3.48	1.47	1.39
14	G	807	CLA	CHC-C4B	3.48	1.47	1.39
14	K	103	CLA	CHC-C4B	3.48	1.47	1.39
14	Y	835	CLA	OBD-CAD	3.48	1.28	1.22
19	Z	847	LMG	C37-C36	-3.48	1.34	1.51
14	G	819	CLA	C1B-NB	-3.48	1.33	1.37
14	L	202	CLA	CHB-C1B	3.48	1.47	1.39
14	G	853	CLA	CHB-C1B	3.48	1.47	1.39
14	Y	830	CLA	OBD-CAD	3.48	1.28	1.22
14	d	202	CLA	OBD-CAD	3.48	1.28	1.22
14	L	201	CLA	C1D-ND	-3.48	1.33	1.37
14	Y	843	CLA	C1D-ND	-3.47	1.33	1.37
14	B	826	CLA	CHD-C4C	3.47	1.47	1.39
14	A	827	CLA	CHD-C4C	3.47	1.47	1.39
14	G	812	CLA	MG-NC	3.47	2.14	2.06
14	Z	810	CLA	OBD-CAD	3.47	1.28	1.22
14	G	833	CLA	C3D-C2D	3.47	1.48	1.39
14	A	811	CLA	OBD-CAD	3.47	1.28	1.22
14	G	811	CLA	OBD-CAD	3.47	1.28	1.22
14	Z	812	CLA	C3D-C2D	3.47	1.48	1.39
14	G	839	CLA	CHB-C1B	3.47	1.47	1.39
14	Y	828	CLA	CHD-C4C	3.47	1.47	1.39
14	A	834	CLA	CHB-C1B	3.47	1.47	1.39
14	B	823	CLA	OBD-CAD	3.47	1.28	1.22
14	G	829	CLA	C4B-NB	-3.47	1.33	1.37
19	B	849	LMG	C43-C42	-3.46	1.34	1.51
14	Z	827	CLA	C1C-NC	-3.46	1.32	1.37
14	Z	835	CLA	C4B-NB	-3.46	1.33	1.37
14	Z	813	CLA	C3D-C2D	3.46	1.48	1.39
14	H	802	CLA	CHB-C1B	3.46	1.47	1.39
14	H	801	CLA	C3D-C2D	3.46	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	826	CLA	OBD-CAD	3.46	1.28	1.22
14	Z	803	CLA	C3D-C2D	3.46	1.48	1.39
14	h	201	CLA	CHC-C4B	3.46	1.47	1.39
14	Y	854	CLA	CHD-C1D	3.46	1.45	1.38
14	Z	804	CLA	C4B-NB	-3.46	1.33	1.37
14	B	804	CLA	CHB-C1B	3.46	1.47	1.39
14	H	836	CLA	OBD-CAD	3.46	1.28	1.22
14	H	802	CLA	C1C-NC	-3.46	1.32	1.37
14	A	825	CLA	C4B-NB	-3.45	1.33	1.37
14	Z	801	CLA	OBD-CAD	3.45	1.28	1.22
14	A	802	CLA	C4B-NB	-3.45	1.33	1.37
14	A	827	CLA	OBD-CAD	3.45	1.28	1.22
13	Y	801	CL0	C1B-C2B	3.45	1.51	1.43
14	B	827	CLA	CHB-C1B	3.45	1.47	1.39
17	M	101	BCR	C11-C12	-3.45	1.25	1.34
14	B	817	CLA	CHB-C1B	3.45	1.47	1.39
14	Z	813	CLA	C1C-NC	-3.44	1.32	1.37
14	Z	806	CLA	CHC-C4B	3.44	1.47	1.39
14	Y	826	CLA	CHD-C4C	3.44	1.47	1.39
14	Z	808	CLA	C3D-C2D	3.44	1.48	1.39
13	Y	801	CL0	CHC-C4B	3.44	1.47	1.39
14	Y	855	CLA	C3D-C2D	3.44	1.48	1.39
14	Y	811	CLA	OBD-CAD	3.44	1.28	1.22
14	A	829	CLA	C1B-NB	-3.44	1.33	1.37
17	G	847	BCR	C11-C12	-3.44	1.25	1.34
14	Y	854	CLA	CHD-C4C	3.43	1.47	1.39
14	A	839	CLA	MG-NC	3.43	2.14	2.06
14	B	827	CLA	OBD-CAD	3.43	1.28	1.22
14	H	834	CLA	CHB-C1B	3.43	1.47	1.39
14	B	809	CLA	CHB-C1B	3.43	1.47	1.39
14	G	825	CLA	CHD-C4C	3.43	1.47	1.39
14	Y	812	CLA	OBD-CAD	3.43	1.28	1.22
14	H	824	CLA	CHB-C1B	3.43	1.47	1.39
17	S	1104	BCR	C11-C12	-3.43	1.25	1.34
14	B	826	CLA	C4B-NB	-3.43	1.33	1.37
14	A	802	CLA	CHC-C4B	3.42	1.47	1.39
14	B	804	CLA	C4B-NB	-3.42	1.33	1.37
17	H	840	BCR	C11-C12	-3.42	1.25	1.34
14	B	835	CLA	OBD-CAD	3.42	1.28	1.22
14	Y	803	CLA	OBD-CAD	3.42	1.28	1.22
14	B	829	CLA	C3D-C2D	3.42	1.48	1.39
14	Z	804	CLA	CHC-C4B	3.42	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	803	CLA	C4B-NB	-3.42	1.33	1.37
14	B	808	CLA	C4B-NB	-3.42	1.33	1.37
14	G	843	CLA	CHC-C4B	3.42	1.47	1.39
17	H	848	BCR	C11-C12	-3.42	1.25	1.34
14	G	820	CLA	C4B-NB	-3.41	1.33	1.37
14	Z	836	CLA	C1D-ND	-3.41	1.33	1.37
14	Y	842	CLA	OBD-CAD	3.41	1.28	1.22
14	H	813	CLA	C1B-NB	-3.41	1.33	1.37
14	B	820	CLA	CHB-C1B	3.41	1.47	1.39
14	A	818	CLA	C1B-NB	-3.41	1.33	1.37
14	H	818	CLA	C1D-ND	-3.41	1.33	1.37
14	H	820	CLA	C1D-C2D	3.41	1.52	1.45
14	Z	807	CLA	CHD-C4C	3.41	1.47	1.39
14	U	1004	CLA	C3D-C2D	3.41	1.48	1.39
14	G	828	CLA	CHB-C1B	3.41	1.47	1.39
14	U	1002	CLA	OBD-CAD	3.41	1.28	1.22
14	Z	805	CLA	C3D-C2D	3.41	1.48	1.39
14	H	837	CLA	MG-NC	3.41	2.14	2.06
14	Z	811	CLA	OBD-CAD	3.41	1.28	1.22
14	A	830	CLA	C1B-NB	-3.40	1.33	1.37
14	Y	842	CLA	C1B-NB	-3.40	1.33	1.37
14	Y	805	CLA	CHD-C4C	3.40	1.46	1.39
14	A	804	CLA	CHB-C1B	3.40	1.47	1.39
14	F	202	CLA	CHC-C4B	3.40	1.47	1.39
14	B	826	CLA	C1C-NC	-3.40	1.32	1.37
14	T	103	CLA	C3D-C2D	3.40	1.48	1.39
17	B	851	BCR	C11-C12	-3.40	1.25	1.34
14	A	804	CLA	C1B-NB	-3.40	1.33	1.37
14	G	818	CLA	CHD-C4C	3.39	1.46	1.39
14	Y	841	CLA	CHD-C4C	3.39	1.46	1.39
14	B	812	CLA	CHB-C1B	3.39	1.47	1.39
14	U	1003	CLA	C1D-ND	-3.39	1.33	1.37
14	Z	816	CLA	C3D-C2D	3.39	1.48	1.39
19	B	849	LMG	C37-C36	-3.39	1.34	1.51
14	Y	826	CLA	C1D-ND	-3.39	1.33	1.37
14	Y	820	CLA	C3D-C2D	3.39	1.48	1.39
14	B	804	CLA	CHC-C4B	3.39	1.47	1.39
17	B	844	BCR	C11-C12	-3.39	1.25	1.34
17	L	203	BCR	C11-C12	-3.39	1.25	1.34
14	B	840	CLA	C3D-C2D	3.38	1.48	1.39
14	G	816	CLA	C3D-C2D	3.38	1.48	1.39
14	B	810	CLA	OBD-CAD	3.38	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	842	CLA	CHD-C4C	3.38	1.46	1.39
17	U	1008	BCR	C10-C9	-3.38	1.28	1.35
14	G	853	CLA	C3D-C2D	3.38	1.48	1.39
14	Y	821	CLA	MG-NC	3.38	2.14	2.06
14	B	818	CLA	C1C-NC	-3.38	1.32	1.37
14	B	826	CLA	MG-ND	-3.38	1.99	2.05
14	Y	830	CLA	C1B-NB	-3.38	1.33	1.37
14	A	838	CLA	C3D-C2D	3.37	1.48	1.39
14	A	809	CLA	OBD-CAD	3.37	1.28	1.22
14	A	837	CLA	CHD-C4C	3.37	1.46	1.39
14	Y	804	CLA	CHB-C1B	3.37	1.47	1.39
14	H	809	CLA	C3C-C2C	3.37	1.44	1.36
14	A	842	CLA	OBD-CAD	3.37	1.28	1.22
14	Y	829	CLA	OBD-CAD	3.37	1.28	1.22
14	G	827	CLA	CHD-C4C	3.37	1.46	1.39
17	J	103	BCR	C11-C12	-3.37	1.25	1.34
14	Q	201	CLA	C1D-ND	-3.37	1.33	1.37
14	B	832	CLA	OBD-CAD	3.36	1.28	1.22
14	Y	819	CLA	CHB-C1B	3.36	1.47	1.39
14	Y	817	CLA	C3D-C2D	3.36	1.48	1.39
14	A	822	CLA	C4B-NB	-3.36	1.33	1.37
14	B	837	CLA	CHD-C4C	3.36	1.46	1.39
14	H	803	CLA	C1C-NC	-3.36	1.32	1.37
14	B	807	CLA	CHC-C4B	3.36	1.46	1.39
14	A	806	CLA	OBD-CAD	3.36	1.28	1.22
14	G	820	CLA	CHC-C4B	3.36	1.46	1.39
14	A	813	CLA	CHC-C4B	3.35	1.46	1.39
14	B	819	CLA	CHB-C1B	3.35	1.46	1.39
14	H	805	CLA	C4B-NB	-3.35	1.33	1.37
14	B	801	CLA	C1B-NB	-3.35	1.33	1.37
14	Z	833	CLA	C3D-C2D	3.35	1.48	1.39
14	A	808	CLA	CHB-C1B	3.35	1.46	1.39
14	B	828	CLA	C1D-ND	-3.35	1.33	1.37
14	G	827	CLA	C1D-ND	-3.35	1.33	1.37
14	A	829	CLA	C3D-C2D	3.35	1.48	1.39
14	H	830	CLA	C3D-C2D	3.35	1.48	1.39
17	Y	849	BCR	C11-C12	-3.35	1.25	1.34
14	A	820	CLA	C1D-ND	-3.35	1.33	1.37
14	A	823	CLA	CHB-C1B	3.35	1.46	1.39
17	A	847	BCR	C11-C12	-3.35	1.25	1.34
14	A	832	CLA	CHD-C4C	3.35	1.46	1.39
14	Z	809	CLA	C3D-C2D	3.35	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	810	CLA	CHB-C1B	3.35	1.46	1.39
14	Y	814	CLA	CHB-C1B	3.34	1.46	1.39
14	Z	831	CLA	CHD-C4C	3.34	1.46	1.39
14	Z	838	CLA	C3D-C2D	3.34	1.48	1.39
14	B	815	CLA	OBD-CAD	3.34	1.28	1.22
14	A	826	CLA	CHB-C1B	3.34	1.46	1.39
14	H	827	CLA	C1D-ND	-3.34	1.33	1.37
14	Y	824	CLA	C3D-C2D	3.34	1.48	1.39
14	Y	830	CLA	CHD-C4C	3.34	1.46	1.39
14	Y	834	CLA	C3D-C2D	3.34	1.48	1.39
14	Z	822	CLA	C1D-ND	-3.34	1.33	1.37
14	Z	826	CLA	C4B-NB	-3.34	1.33	1.37
17	Z	845	BCR	C10-C9	-3.33	1.28	1.35
14	Z	826	CLA	C3D-C2D	3.33	1.48	1.39
14	B	832	CLA	C1B-NB	-3.33	1.33	1.37
17	f	105	BCR	C11-C12	-3.33	1.26	1.34
14	B	820	CLA	OBD-CAD	3.33	1.28	1.22
17	Y	847	BCR	C11-C12	-3.33	1.26	1.34
14	G	818	CLA	C1D-ND	-3.33	1.33	1.37
14	G	817	CLA	OBD-CAD	3.33	1.28	1.22
14	Y	809	CLA	CHB-C1B	3.33	1.46	1.39
14	G	829	CLA	MG-NC	3.33	2.14	2.06
17	G	850	BCR	C11-C12	-3.33	1.26	1.34
14	B	841	CLA	CHB-C1B	3.33	1.46	1.39
14	H	801	CLA	CHB-C1B	3.33	1.46	1.39
14	Z	815	CLA	CHB-C1B	3.33	1.46	1.39
17	U	1005	BCR	C11-C12	-3.33	1.26	1.34
14	A	823	CLA	C1B-NB	-3.33	1.33	1.37
14	A	824	CLA	CHD-C4C	3.33	1.46	1.39
14	Z	804	CLA	C1D-ND	-3.33	1.33	1.37
14	H	819	CLA	C1D-ND	-3.32	1.33	1.37
14	U	1002	CLA	C1C-NC	-3.32	1.32	1.37
19	B	849	LMG	C22-C21	-3.32	1.35	1.51
14	B	837	CLA	C4B-NB	-3.32	1.33	1.37
14	H	831	CLA	C1B-NB	-3.32	1.33	1.37
14	H	802	CLA	CHC-C4B	3.32	1.46	1.39
14	F	202	CLA	C3D-C2D	3.32	1.48	1.39
14	K	101	CLA	OBD-CAD	3.32	1.29	1.23
14	G	806	CLA	CHB-C1B	3.32	1.46	1.39
14	G	807	CLA	OBD-CAD	3.32	1.28	1.22
14	Z	826	CLA	C1D-ND	-3.32	1.33	1.37
14	G	808	CLA	OBD-CAD	3.32	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	830	CLA	OBD-CAD	3.32	1.28	1.22
17	A	849	BCR	C11-C12	-3.32	1.26	1.34
14	Y	829	CLA	MG-NC	3.31	2.14	2.06
14	A	834	CLA	OBD-CAD	3.31	1.28	1.22
14	Z	837	CLA	C3D-C2D	3.31	1.48	1.39
14	Z	823	CLA	CHB-C1B	3.31	1.46	1.39
14	G	853	CLA	OBD-CAD	3.31	1.28	1.22
14	H	822	CLA	C1B-C2B	3.31	1.50	1.43
14	Z	817	CLA	C1B-NB	-3.31	1.33	1.37
14	H	837	CLA	C3D-C2D	3.31	1.48	1.39
14	Z	832	CLA	CHB-C1B	3.31	1.46	1.39
14	G	843	CLA	C1B-NB	-3.31	1.33	1.37
17	Y	856	BCR	C11-C12	-3.31	1.26	1.34
14	Z	803	CLA	CHB-C1B	3.31	1.46	1.39
14	Z	826	CLA	C1B-NB	-3.31	1.33	1.37
14	H	808	CLA	CHC-C4B	3.31	1.46	1.39
14	A	825	CLA	CHC-C4B	3.30	1.46	1.39
14	Z	813	CLA	CHB-C1B	3.30	1.46	1.39
14	G	812	CLA	OBD-CAD	3.30	1.28	1.22
13	Y	801	CL0	C1D-ND	-3.30	1.33	1.37
14	Z	823	CLA	C1B-NB	-3.30	1.33	1.37
14	G	830	CLA	CHC-C4B	3.30	1.46	1.39
14	d	202	CLA	C1D-ND	-3.30	1.33	1.37
14	S	1101	CLA	C1B-NB	-3.30	1.33	1.37
14	Z	805	CLA	CHC-C4B	3.30	1.46	1.39
14	G	814	CLA	CHB-C1B	3.30	1.46	1.39
14	Y	803	CLA	MG-NC	3.30	2.14	2.06
14	f	102	CLA	C3D-C2D	3.30	1.48	1.39
14	B	830	CLA	CHC-C4B	3.29	1.46	1.39
14	Y	808	CLA	C1D-ND	-3.29	1.33	1.37
13	Y	801	CL0	C3D-C2D	3.29	1.48	1.39
14	Z	823	CLA	C4B-NB	-3.29	1.33	1.37
14	B	803	CLA	MG-ND	-3.29	1.99	2.05
14	B	837	CLA	C3D-C2D	3.29	1.48	1.39
14	Y	803	CLA	C4C-C3C	3.29	1.50	1.45
14	f	101	CLA	C3D-C2D	3.29	1.48	1.39
14	H	812	CLA	C1B-C2B	3.28	1.50	1.43
14	B	816	CLA	C1B-NB	-3.28	1.33	1.37
14	B	825	CLA	CHB-C1B	3.28	1.46	1.39
14	Y	840	CLA	C1B-C2B	3.28	1.50	1.43
14	A	827	CLA	C1B-NB	-3.28	1.33	1.37
14	Y	834	CLA	CHD-C4C	3.28	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	807	CLA	C3D-C2D	3.28	1.47	1.39
14	Y	833	CLA	OBD-CAD	3.28	1.28	1.22
14	U	1003	CLA	MG-NC	3.28	2.14	2.06
14	B	803	CLA	C1B-NB	-3.27	1.33	1.37
13	A	801	CL0	C1B-NB	-3.27	1.33	1.37
14	Z	832	CLA	C1C-NC	-3.27	1.32	1.37
14	A	842	CLA	C1B-C2B	3.27	1.50	1.43
14	H	809	CLA	MG-ND	-3.27	1.99	2.05
14	Y	804	CLA	C1B-NB	-3.27	1.33	1.37
14	Y	837	CLA	OBD-CAD	3.27	1.28	1.22
17	A	848	BCR	C11-C12	-3.27	1.26	1.34
14	Z	832	CLA	C1B-NB	-3.27	1.33	1.37
14	Z	805	CLA	CHB-C1B	3.27	1.46	1.39
14	L	202	CLA	C3C-C2C	3.27	1.43	1.36
14	Z	833	CLA	MG-NC	3.27	2.14	2.06
14	Z	824	CLA	C3D-C2D	3.27	1.47	1.39
14	Y	837	CLA	C1D-ND	-3.27	1.33	1.37
14	Y	836	CLA	C3D-C2D	3.26	1.47	1.39
14	H	832	CLA	C1B-NB	-3.26	1.33	1.37
14	Z	832	CLA	C1D-ND	-3.26	1.33	1.37
14	d	201	CLA	C1B-C2B	3.26	1.50	1.43
14	B	828	CLA	MG-ND	-3.26	1.99	2.05
14	B	833	CLA	C3D-C2D	3.26	1.47	1.39
14	B	813	CLA	CHC-C4B	3.26	1.46	1.39
14	Y	808	CLA	C1B-NB	-3.26	1.33	1.37
17	Z	843	BCR	C10-C9	-3.25	1.28	1.35
14	Z	836	CLA	C1B-C2B	3.25	1.50	1.43
14	L	207	CLA	CHB-C1B	3.25	1.46	1.39
14	G	802	CLA	C3D-C2D	3.25	1.47	1.39
14	A	806	CLA	CHB-C1B	3.25	1.46	1.39
14	Z	802	CLA	CHB-C1B	3.25	1.46	1.39
14	A	805	CLA	C1B-NB	-3.25	1.33	1.37
13	G	801	CL0	MG-NC	3.24	2.14	2.06
14	Z	831	CLA	C1B-NB	-3.24	1.33	1.37
14	H	807	CLA	OBD-CAD	3.24	1.28	1.22
14	B	833	CLA	C1D-ND	-3.24	1.33	1.37
13	Y	801	CL0	C1C-NC	-3.24	1.32	1.37
14	Y	823	CLA	C1B-C2B	3.24	1.50	1.43
14	B	837	CLA	C1C-NC	-3.24	1.32	1.37
14	L	202	CLA	C1B-C2B	3.24	1.50	1.43
14	B	804	CLA	C1C-NC	-3.24	1.32	1.37
14	V	1201	CLA	MG-NC	3.24	2.14	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	839	CLA	MG-NC	3.23	2.13	2.06
14	B	814	CLA	C1D-ND	-3.23	1.33	1.37
14	U	1006	CLA	C1B-C2B	3.23	1.50	1.43
14	H	825	CLA	MG-ND	-3.23	1.99	2.05
14	Z	807	CLA	C1B-NB	-3.23	1.33	1.37
14	A	838	CLA	C1B-C2B	3.23	1.50	1.43
14	A	804	CLA	C3D-C2D	3.23	1.47	1.39
14	L	205	CLA	OBD-CAD	3.23	1.28	1.22
14	H	836	CLA	C1B-C2B	3.23	1.50	1.43
14	Z	837	CLA	C1B-C2B	3.23	1.50	1.43
14	H	818	CLA	C4B-NB	-3.23	1.33	1.37
14	A	805	CLA	CHB-C1B	3.23	1.46	1.39
14	U	1003	CLA	C4C-C3C	3.23	1.50	1.45
14	G	803	CLA	CHB-C1B	3.23	1.46	1.39
14	G	837	CLA	OBD-CAD	3.22	1.28	1.22
14	A	829	CLA	C1D-ND	-3.22	1.33	1.37
14	Y	813	CLA	C1D-ND	-3.22	1.33	1.37
14	G	825	CLA	C4B-NB	-3.22	1.33	1.37
14	B	831	CLA	C4B-NB	-3.22	1.33	1.37
14	G	804	CLA	CHB-C1B	3.22	1.46	1.39
14	H	835	CLA	C1B-NB	-3.22	1.33	1.37
14	Z	808	CLA	C1D-ND	-3.22	1.33	1.37
14	B	807	CLA	C1B-NB	-3.21	1.33	1.37
14	G	819	CLA	CHB-C1B	3.21	1.46	1.39
14	G	803	CLA	MG-NC	3.21	2.13	2.06
14	B	827	CLA	C1C-NC	-3.21	1.32	1.37
14	G	827	CLA	C3D-C2D	3.21	1.47	1.39
14	B	841	CLA	C1B-NB	-3.21	1.33	1.37
14	Y	839	CLA	MG-NC	3.21	2.13	2.06
14	L	207	CLA	C1B-NB	-3.21	1.33	1.37
14	H	829	CLA	C4B-NB	-3.21	1.33	1.37
14	Z	805	CLA	C4B-NB	-3.21	1.33	1.37
14	Y	827	CLA	MG-NC	3.21	2.13	2.06
14	H	803	CLA	C3D-C2D	3.21	1.47	1.39
14	H	834	CLA	C3D-C2D	3.21	1.47	1.39
14	A	819	CLA	C1B-NB	-3.21	1.33	1.37
14	Y	821	CLA	CHB-C1B	3.21	1.46	1.39
14	A	822	CLA	CHC-C4B	3.21	1.46	1.39
14	Z	821	CLA	MG-NC	3.21	2.13	2.06
14	d	202	CLA	C1B-NB	-3.21	1.33	1.37
14	K	103	CLA	C3D-C2D	3.20	1.47	1.39
14	h	205	CLA	OBD-CAD	3.20	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	801	CL0	C3D-C2D	3.20	1.47	1.39
17	Y	846	BCR	C10-C9	-3.20	1.28	1.35
14	H	828	CLA	CHC-C4B	3.20	1.46	1.39
14	H	825	CLA	C3D-C2D	3.20	1.47	1.39
14	H	807	CLA	C1B-NB	-3.20	1.33	1.37
14	Z	810	CLA	C3D-C2D	3.20	1.47	1.39
14	G	817	CLA	C3D-C2D	3.20	1.47	1.39
14	H	812	CLA	MG-NC	3.20	2.13	2.06
14	B	829	CLA	CHB-C1B	3.20	1.46	1.39
14	A	819	CLA	C3D-C2D	3.20	1.47	1.39
14	H	802	CLA	C1D-ND	-3.19	1.33	1.37
14	A	816	CLA	C3D-C2D	3.19	1.47	1.39
14	Z	836	CLA	C3D-C2D	3.19	1.47	1.39
14	Z	801	CLA	C1B-NB	-3.19	1.33	1.37
14	B	831	CLA	CHC-C4B	3.19	1.46	1.39
14	Z	815	CLA	OBD-CAD	3.19	1.28	1.22
14	A	830	CLA	C1D-ND	-3.19	1.33	1.37
14	Y	821	CLA	C1B-NB	-3.19	1.33	1.37
14	Y	855	CLA	C1B-NB	-3.19	1.33	1.37
14	Z	832	CLA	C4B-NB	-3.18	1.33	1.37
14	H	823	CLA	MG-NC	3.18	2.13	2.06
14	L	206	CLA	C3D-C2D	3.18	1.47	1.39
14	Y	830	CLA	C4B-NB	-3.18	1.33	1.37
14	G	820	CLA	OBD-CAD	3.18	1.28	1.22
14	H	807	CLA	MG-NC	3.18	2.13	2.06
14	B	820	CLA	C1B-NB	-3.18	1.33	1.37
14	Y	815	CLA	C3D-C2D	3.18	1.47	1.39
14	Z	834	CLA	MG-NC	3.18	2.13	2.06
14	B	830	CLA	C3D-C2D	3.18	1.47	1.39
14	B	823	CLA	C3D-C2D	3.18	1.47	1.39
14	Y	838	CLA	C3D-C2D	3.18	1.47	1.39
14	Z	806	CLA	C1C-NC	-3.18	1.32	1.37
14	G	808	CLA	C3D-C2D	3.18	1.47	1.39
14	Z	827	CLA	CHC-C4B	3.18	1.46	1.39
14	Y	840	CLA	C3D-C2D	3.18	1.47	1.39
14	G	832	CLA	C1D-ND	-3.18	1.33	1.37
14	Z	825	CLA	OBD-CAD	3.17	1.28	1.22
14	A	822	CLA	C1B-NB	-3.17	1.33	1.37
14	A	813	CLA	C4B-NB	-3.17	1.33	1.37
14	A	826	CLA	C1D-ND	-3.17	1.33	1.37
14	A	808	CLA	C3D-C2D	3.17	1.47	1.39
14	B	839	CLA	C1D-ND	-3.17	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	821	CLA	CHB-C1B	3.17	1.46	1.39
14	H	803	CLA	C1B-NB	-3.17	1.33	1.37
14	Z	802	CLA	C1D-ND	-3.17	1.33	1.37
14	Z	828	CLA	OBD-CAD	3.17	1.27	1.22
14	A	835	CLA	C1D-ND	-3.17	1.33	1.37
14	B	840	CLA	C1D-ND	-3.17	1.33	1.37
14	G	820	CLA	C1B-NB	-3.17	1.33	1.37
14	H	813	CLA	MG-ND	-3.17	1.99	2.05
14	B	813	CLA	C4B-NB	-3.17	1.33	1.37
14	A	818	CLA	CHB-C1B	3.17	1.46	1.39
13	A	801	CL0	C4B-NB	-3.17	1.33	1.37
14	H	816	CLA	C1D-ND	-3.17	1.33	1.37
14	Z	836	CLA	C4B-NB	-3.16	1.33	1.37
14	Y	817	CLA	C4D-CHA	3.16	1.49	1.38
14	F	202	CLA	C4B-NB	-3.16	1.33	1.37
14	G	838	CLA	MG-ND	-3.16	1.99	2.05
14	B	806	CLA	CHB-C1B	3.16	1.46	1.39
14	A	829	CLA	CHD-C4C	3.16	1.46	1.39
14	A	814	CLA	C3D-C2D	3.16	1.47	1.39
14	A	833	CLA	MG-ND	-3.16	1.99	2.05
14	Y	809	CLA	C1B-NB	-3.16	1.33	1.37
14	B	803	CLA	CHD-C4C	3.16	1.46	1.39
14	g	102	CLA	C3D-C2D	3.16	1.47	1.39
14	B	809	CLA	C1B-NB	-3.16	1.33	1.37
14	Z	818	CLA	OBD-CAD	3.16	1.27	1.22
14	G	807	CLA	C1B-C2B	3.16	1.50	1.43
14	d	202	CLA	C3D-C2D	3.16	1.47	1.39
14	B	817	CLA	MG-NC	3.16	2.13	2.06
14	B	809	CLA	C1D-ND	-3.16	1.33	1.37
14	G	833	CLA	MG-NC	3.16	2.13	2.06
14	A	822	CLA	C3D-C2D	3.16	1.47	1.39
14	G	824	CLA	C1D-ND	-3.15	1.33	1.37
14	A	813	CLA	C1C-NC	-3.15	1.32	1.37
14	G	835	CLA	MG-NC	3.15	2.13	2.06
14	G	828	CLA	C1C-NC	-3.15	1.32	1.37
14	B	837	CLA	C1D-ND	-3.15	1.33	1.37
14	G	808	CLA	C1B-NB	-3.15	1.33	1.37
14	Q	203	CLA	OBD-CAD	3.15	1.27	1.22
14	Z	824	CLA	OBD-CAD	3.15	1.27	1.22
17	Q	204	BCR	C11-C12	-3.15	1.26	1.34
14	Y	811	CLA	C3D-C2D	3.15	1.47	1.39
14	G	834	CLA	C3D-C2D	3.15	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	202	CLA	C1B-NB	-3.15	1.33	1.37
14	B	821	CLA	C1B-C2B	3.15	1.50	1.43
14	T	103	CLA	C1B-C2B	3.15	1.50	1.43
14	A	802	CLA	C3D-C2D	3.15	1.47	1.39
14	A	813	CLA	C1B-NB	-3.15	1.33	1.37
14	G	814	CLA	C4D-CHA	3.15	1.49	1.38
14	H	806	CLA	CHB-C1B	3.15	1.46	1.39
14	Z	816	CLA	C1B-NB	-3.15	1.33	1.37
14	G	803	CLA	C1B-NB	-3.15	1.33	1.37
14	Z	817	CLA	C3D-C2D	3.15	1.47	1.39
14	A	822	CLA	C1B-C2B	3.15	1.50	1.43
17	K	102	BCR	C11-C12	-3.14	1.26	1.34
14	d	201	CLA	C1D-ND	-3.14	1.33	1.37
14	Y	814	CLA	C1B-NB	-3.14	1.33	1.37
14	Z	817	CLA	C1D-ND	-3.14	1.33	1.37
14	A	830	CLA	C3D-C2D	3.14	1.47	1.39
14	Y	816	CLA	MG-NC	3.14	2.13	2.06
14	A	812	CLA	C1D-ND	-3.14	1.33	1.37
17	B	845	BCR	C11-C12	-3.14	1.26	1.34
14	H	817	CLA	C3D-C2D	3.14	1.47	1.39
14	G	841	CLA	CHD-C4C	3.14	1.46	1.39
14	Y	802	CLA	CHB-C1B	3.14	1.46	1.39
14	A	842	CLA	C1D-ND	-3.14	1.33	1.37
14	H	806	CLA	C3D-C2D	3.14	1.47	1.39
14	B	834	CLA	C1B-C2B	3.14	1.50	1.43
14	H	833	CLA	MG-NC	3.14	2.13	2.06
14	G	816	CLA	C1B-NB	-3.14	1.33	1.37
14	B	817	CLA	OBD-CAD	3.14	1.27	1.22
14	H	829	CLA	CHB-C1B	3.14	1.46	1.39
14	Q	201	CLA	CHB-C1B	3.14	1.46	1.39
14	H	831	CLA	CHB-C1B	3.14	1.46	1.39
14	B	837	CLA	CHC-C4B	3.13	1.46	1.39
14	A	833	CLA	C1D-ND	-3.13	1.33	1.37
14	H	835	CLA	C3D-C2D	3.13	1.47	1.39
14	B	825	CLA	MG-ND	-3.13	1.99	2.05
14	H	802	CLA	C3D-C2D	3.13	1.47	1.39
14	H	807	CLA	C4B-NB	-3.13	1.33	1.37
14	Y	825	CLA	MG-NC	3.13	2.13	2.06
14	Y	833	CLA	C3D-C2D	3.13	1.47	1.39
14	U	1006	CLA	C3D-C2D	3.13	1.47	1.39
14	A	803	CLA	C1B-NB	-3.13	1.33	1.37
14	A	825	CLA	C1B-NB	-3.13	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	824	CLA	C1D-ND	-3.13	1.33	1.37
14	Y	854	CLA	C3D-C2D	3.13	1.47	1.39
17	Z	842	BCR	C30-C25	-3.13	1.49	1.53
14	H	808	CLA	C1B-NB	-3.13	1.33	1.37
14	X	1701	CLA	C1D-ND	-3.13	1.33	1.37
14	Z	809	CLA	C1B-C2B	3.13	1.50	1.43
14	B	819	CLA	C4B-NB	-3.13	1.33	1.37
14	Y	805	CLA	C1D-ND	-3.13	1.33	1.37
14	A	826	CLA	C1B-NB	-3.12	1.33	1.37
14	Y	812	CLA	MG-NC	3.12	2.13	2.06
14	A	852	CLA	MG-NC	3.12	2.13	2.06
14	h	207	CLA	MG-NC	3.12	2.13	2.06
14	Y	807	CLA	C1D-ND	-3.12	1.33	1.37
14	A	822	CLA	C4D-CHA	3.12	1.49	1.38
14	A	852	CLA	C3D-C2D	3.12	1.47	1.39
14	Y	842	CLA	C1C-NC	-3.12	1.33	1.37
14	H	815	CLA	OBD-CAD	3.12	1.27	1.22
14	Z	807	CLA	C1C-NC	-3.12	1.33	1.37
14	G	823	CLA	OBD-CAD	3.12	1.27	1.22
14	H	822	CLA	OBD-CAD	3.12	1.27	1.22
14	B	824	CLA	C1B-NB	-3.12	1.33	1.37
14	B	822	CLA	C1D-ND	-3.12	1.33	1.37
14	Y	828	CLA	MG-ND	-3.12	1.99	2.05
14	B	829	CLA	C4B-NB	-3.12	1.33	1.37
14	L	202	CLA	C4B-NB	-3.12	1.33	1.37
14	Y	818	CLA	C1D-C2D	3.12	1.51	1.45
14	H	831	CLA	C3D-C2D	3.12	1.47	1.39
14	G	835	CLA	C1B-NB	-3.12	1.33	1.37
14	J	102	CLA	C3D-C2D	3.12	1.47	1.39
14	Y	842	CLA	C3D-C2D	3.12	1.47	1.39
14	Y	823	CLA	C3D-C2D	3.12	1.47	1.39
14	B	837	CLA	OBD-CAD	3.11	1.27	1.22
14	B	826	CLA	C3D-C2D	3.11	1.47	1.39
14	H	813	CLA	C3D-C2D	3.11	1.47	1.39
14	G	802	CLA	CHB-C1B	3.11	1.46	1.39
14	J	102	CLA	C4D-CHA	3.11	1.49	1.38
14	U	1002	CLA	C1B-NB	-3.11	1.33	1.37
14	H	810	CLA	C3D-C2D	3.11	1.47	1.39
14	L	201	CLA	CHD-C4C	3.11	1.46	1.39
14	G	840	CLA	C3D-C2D	3.11	1.47	1.39
14	H	804	CLA	C1D-ND	-3.11	1.33	1.37
14	H	811	CLA	OBD-CAD	3.11	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	805	CLA	C1B-C2B	3.11	1.50	1.43
14	A	824	CLA	MG-ND	-3.11	1.99	2.05
14	G	803	CLA	C3D-C2D	3.11	1.47	1.39
14	h	206	CLA	C1B-NB	-3.11	1.33	1.37
14	Y	841	CLA	MG-ND	-3.11	1.99	2.05
14	A	810	CLA	C1D-ND	-3.11	1.33	1.37
14	Z	806	CLA	C1D-ND	-3.11	1.33	1.37
14	G	836	CLA	MG-NC	3.11	2.13	2.06
14	B	819	CLA	C1B-NB	-3.11	1.33	1.37
14	G	806	CLA	C1B-C2B	3.10	1.50	1.43
14	g	101	CLA	C1B-C2B	3.10	1.50	1.43
14	Z	806	CLA	C1B-C2B	3.10	1.50	1.43
14	A	808	CLA	OBD-CAD	3.10	1.27	1.22
14	B	802	CLA	C1D-ND	-3.10	1.33	1.37
14	U	1004	CLA	C1B-C2B	3.10	1.50	1.43
14	A	812	CLA	OBD-CAD	3.10	1.27	1.22
14	B	813	CLA	OBD-CAD	3.10	1.27	1.22
14	H	818	CLA	MG-ND	-3.10	1.99	2.05
14	L	206	CLA	MG-NC	3.10	2.13	2.06
14	B	828	CLA	C1B-NB	-3.10	1.33	1.37
14	B	831	CLA	C1C-NC	-3.10	1.33	1.37
14	H	831	CLA	C1D-C2D	3.10	1.51	1.45
14	A	817	CLA	MG-NC	3.10	2.13	2.06
14	Y	835	CLA	C3D-C2D	3.10	1.47	1.39
14	G	819	CLA	C3D-C2D	3.10	1.47	1.39
14	G	843	CLA	C1D-ND	-3.10	1.33	1.37
14	Y	842	CLA	C1D-ND	-3.10	1.33	1.37
14	h	207	CLA	C3D-C2D	3.09	1.47	1.39
14	A	811	CLA	C1B-NB	-3.09	1.33	1.37
14	Y	827	CLA	C1C-NC	-3.09	1.33	1.37
14	A	841	CLA	C1D-C2D	3.09	1.51	1.45
14	H	812	CLA	C3D-C2D	3.09	1.47	1.39
14	Y	810	CLA	C3D-C2D	3.09	1.47	1.39
14	A	821	CLA	OBD-CAD	3.09	1.27	1.22
14	G	802	CLA	MG-ND	-3.09	1.99	2.05
14	G	825	CLA	MG-ND	-3.09	1.99	2.05
14	B	801	CLA	C4B-NB	-3.09	1.33	1.37
14	Z	801	CLA	C3D-C2D	3.09	1.47	1.39
14	Y	824	CLA	C1B-C2B	3.09	1.50	1.43
14	H	801	CLA	C1D-ND	-3.09	1.33	1.37
14	G	819	CLA	C1C-NC	-3.09	1.33	1.37
14	H	816	CLA	OBD-CAD	3.09	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	824	CLA	CHB-C1B	3.09	1.46	1.39
14	H	829	CLA	C1B-NB	-3.09	1.33	1.37
14	B	814	CLA	C3D-C2D	3.09	1.47	1.39
14	A	817	CLA	C1B-C2B	3.09	1.50	1.43
14	B	824	CLA	MG-ND	-3.08	1.99	2.05
14	H	828	CLA	C3D-C2D	3.08	1.47	1.39
14	B	807	CLA	C4B-NB	-3.08	1.33	1.37
14	H	806	CLA	C1C-NC	-3.08	1.33	1.37
14	G	853	CLA	C1D-C2D	3.08	1.51	1.45
14	G	816	CLA	MG-NC	3.08	2.13	2.06
14	A	833	CLA	C4B-NB	-3.08	1.33	1.37
14	S	1101	CLA	OBD-CAD	3.08	1.27	1.22
14	H	827	CLA	CHB-C1B	3.08	1.46	1.39
14	B	826	CLA	C1D-ND	-3.08	1.33	1.37
14	G	841	CLA	C1D-ND	-3.08	1.33	1.37
14	B	807	CLA	C4D-CHA	3.08	1.48	1.38
14	A	839	CLA	C3D-C2D	3.08	1.47	1.39
14	A	833	CLA	OBD-CAD	3.08	1.27	1.22
14	G	813	CLA	MG-NC	3.08	2.13	2.06
14	g	101	CLA	MG-NC	3.08	2.13	2.06
14	d	202	CLA	MG-NC	3.08	2.13	2.06
14	Z	818	CLA	C4D-CHA	3.08	1.48	1.38
14	Y	818	CLA	CHB-C1B	3.07	1.46	1.39
14	Y	843	CLA	C1B-C2B	3.07	1.50	1.43
14	Z	833	CLA	C1B-NB	-3.07	1.33	1.37
14	A	810	CLA	C3D-C2D	3.07	1.47	1.39
14	Y	806	CLA	C3D-C2D	3.07	1.47	1.39
14	Z	838	CLA	C1C-NC	-3.07	1.33	1.37
14	F	202	CLA	C4D-CHA	3.07	1.48	1.38
14	Y	805	CLA	C3C-C2C	3.07	1.43	1.36
14	Y	855	CLA	CHB-C1B	3.07	1.46	1.39
14	B	819	CLA	MG-ND	-3.07	1.99	2.05
14	Z	831	CLA	C1D-ND	-3.07	1.33	1.37
14	B	818	CLA	OBD-CAD	3.07	1.27	1.22
14	G	829	CLA	OBD-CAD	3.07	1.27	1.22
14	A	820	CLA	MG-ND	-3.07	1.99	2.05
14	Y	825	CLA	C1B-C2B	3.07	1.50	1.43
14	B	824	CLA	MG-NC	3.07	2.13	2.06
14	H	814	CLA	C4D-CHA	3.07	1.48	1.38
17	T	102	BCR	C10-C9	-3.06	1.28	1.35
14	G	837	CLA	C3D-C2D	3.06	1.47	1.39
14	H	803	CLA	CHB-C1B	3.06	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	823	CLA	C1D-C2D	3.06	1.51	1.45
14	B	814	CLA	CHB-C1B	3.06	1.46	1.39
14	B	819	CLA	C3D-C2D	3.06	1.47	1.39
14	Y	803	CLA	C4D-CHA	3.06	1.48	1.38
14	H	838	CLA	C1B-C2B	3.06	1.50	1.43
14	Y	854	CLA	C4D-CHA	3.06	1.48	1.38
14	G	839	CLA	MG-NC	3.06	2.13	2.06
17	F	203	BCR	C11-C12	-3.06	1.26	1.34
14	A	818	CLA	C1D-ND	-3.06	1.33	1.37
14	B	801	CLA	C3D-C2D	3.06	1.47	1.39
14	A	821	CLA	C1B-NB	-3.06	1.33	1.37
14	A	831	CLA	C4B-NB	-3.06	1.33	1.37
14	H	816	CLA	MG-NC	3.06	2.13	2.06
14	Y	819	CLA	C4D-CHA	3.06	1.48	1.38
14	H	804	CLA	C1B-C2B	3.06	1.50	1.43
14	H	807	CLA	C4D-CHA	3.06	1.48	1.38
14	K	101	CLA	C3D-C2D	3.06	1.47	1.39
14	A	824	CLA	C3D-C2D	3.06	1.47	1.39
14	G	841	CLA	C3D-C2D	3.06	1.47	1.39
14	Z	812	CLA	MG-NC	3.06	2.13	2.06
14	B	830	CLA	C1B-NB	-3.06	1.33	1.37
14	U	1006	CLA	C1C-NC	-3.06	1.33	1.37
13	Y	801	CL0	MG-NC	3.06	2.13	2.06
14	H	822	CLA	MG-NC	3.05	2.13	2.06
14	B	832	CLA	C1D-ND	-3.05	1.33	1.37
14	Y	838	CLA	C4D-CHA	3.05	1.48	1.38
14	L	207	CLA	C1D-ND	-3.05	1.33	1.37
14	A	836	CLA	C3D-C2D	3.05	1.47	1.39
14	Z	819	CLA	C1B-NB	-3.05	1.33	1.37
14	g	101	CLA	C3D-C2D	3.05	1.47	1.39
14	Y	814	CLA	MG-NC	3.05	2.13	2.06
14	B	818	CLA	MG-ND	-3.05	1.99	2.05
14	B	814	CLA	C1B-NB	-3.05	1.33	1.37
14	B	824	CLA	C3D-C2D	3.05	1.47	1.39
14	Y	826	CLA	C3D-C2D	3.05	1.47	1.39
14	Q	203	CLA	C3D-C2D	3.05	1.47	1.39
14	H	825	CLA	C4B-NB	-3.05	1.33	1.37
14	Z	811	CLA	C1D-ND	-3.05	1.33	1.37
14	Z	836	CLA	CHC-C4B	3.05	1.46	1.39
14	Y	838	CLA	C1B-C2B	3.05	1.50	1.43
14	Y	803	CLA	C3D-C2D	3.04	1.47	1.39
14	H	833	CLA	C1B-NB	-3.04	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	833	CLA	C3D-C2D	3.04	1.47	1.39
14	A	823	CLA	C3D-C2D	3.04	1.47	1.39
14	G	836	CLA	C1B-C2B	3.04	1.50	1.43
14	Y	842	CLA	C1D-C2D	3.04	1.51	1.45
14	G	814	CLA	C1D-ND	-3.04	1.33	1.37
14	Y	833	CLA	C1D-ND	-3.04	1.33	1.37
14	A	813	CLA	C3D-C2D	3.04	1.47	1.39
14	U	1004	CLA	C4D-CHA	3.04	1.48	1.38
14	H	819	CLA	C4D-CHA	3.04	1.48	1.38
14	Y	823	CLA	MG-NC	3.04	2.13	2.06
14	A	808	CLA	MG-NC	3.04	2.13	2.06
14	T	101	CLA	C1B-C2B	3.04	1.50	1.43
14	H	818	CLA	C3D-C2D	3.03	1.47	1.39
14	A	839	CLA	C1B-C2B	3.03	1.50	1.43
14	Y	803	CLA	MG-ND	-3.03	1.99	2.05
14	Y	829	CLA	C4C-C3C	3.03	1.50	1.45
14	G	804	CLA	C1D-ND	-3.03	1.33	1.37
14	L	205	CLA	C1B-NB	-3.03	1.33	1.37
14	B	808	CLA	C1C-NC	-3.03	1.33	1.37
14	B	831	CLA	C1B-C2B	3.03	1.50	1.43
14	B	821	CLA	C1D-ND	-3.03	1.33	1.37
14	G	831	CLA	C4B-NB	-3.03	1.33	1.37
14	Y	843	CLA	MG-ND	-3.03	1.99	2.05
14	G	826	CLA	C1D-C2D	3.03	1.51	1.45
17	Z	845	BCR	C11-C12	-3.03	1.26	1.34
14	B	810	CLA	C1B-NB	-3.03	1.33	1.37
14	Y	814	CLA	C3D-C2D	3.03	1.47	1.39
14	Z	813	CLA	C4D-CHA	3.03	1.48	1.38
14	S	1102	CLA	C3D-C2D	3.03	1.47	1.39
14	U	1002	CLA	C4B-NB	-3.03	1.33	1.37
14	G	807	CLA	C1D-ND	-3.03	1.33	1.37
14	B	840	CLA	MG-NC	3.03	2.13	2.06
14	Y	831	CLA	OBD-CAD	3.03	1.27	1.22
14	Y	811	CLA	MG-NC	3.02	2.13	2.06
14	Z	826	CLA	OBD-CAD	3.02	1.27	1.22
14	f	102	CLA	MG-NC	3.02	2.13	2.06
14	Z	805	CLA	C1D-ND	-3.02	1.33	1.37
14	Z	813	CLA	C1B-NB	-3.02	1.33	1.37
14	Z	822	CLA	MG-ND	-3.02	1.99	2.05
14	J	101	CLA	C1D-ND	-3.02	1.33	1.37
14	K	103	CLA	C1C-NC	-3.02	1.33	1.37
14	G	818	CLA	C3D-C2D	3.02	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	J	102	CLA	MG-NC	3.02	2.13	2.06
14	A	807	CLA	C1B-C2B	3.02	1.50	1.43
14	H	835	CLA	C4B-NB	-3.02	1.33	1.37
14	B	807	CLA	CHB-C1B	3.02	1.46	1.39
17	Z	842	BCR	C11-C12	-3.02	1.26	1.34
14	T	101	CLA	C4C-C3C	3.02	1.50	1.45
14	Y	830	CLA	MG-ND	-3.02	1.99	2.05
14	A	802	CLA	MG-NC	3.02	2.13	2.06
14	Y	827	CLA	C3D-C2D	3.02	1.47	1.39
14	G	811	CLA	C4D-CHA	3.02	1.48	1.38
14	G	825	CLA	C1D-ND	-3.01	1.33	1.37
14	B	810	CLA	C1D-ND	-3.01	1.33	1.37
14	Z	819	CLA	C3D-C2D	3.01	1.47	1.39
14	B	830	CLA	MG-ND	-3.01	1.99	2.05
14	G	805	CLA	C3D-C2D	3.01	1.47	1.39
14	H	832	CLA	C4B-NB	-3.01	1.33	1.37
14	H	827	CLA	C1C-NC	-3.01	1.33	1.37
14	H	807	CLA	C4C-C3C	3.01	1.50	1.45
14	B	840	CLA	C4D-CHA	3.01	1.48	1.38
14	Y	840	CLA	MG-NC	3.01	2.13	2.06
13	Y	801	CL0	C4D-CHA	3.01	1.48	1.38
14	A	802	CLA	CHB-C1B	3.01	1.46	1.39
14	Z	828	CLA	C1B-NB	-3.00	1.33	1.37
14	G	825	CLA	C1B-C2B	3.00	1.50	1.43
14	Y	831	CLA	MG-ND	-3.00	1.99	2.05
14	G	821	CLA	MG-NC	3.00	2.13	2.06
14	H	821	CLA	C1D-C2D	3.00	1.51	1.45
14	Z	811	CLA	MG-ND	-3.00	1.99	2.05
14	A	828	CLA	C4D-CHA	3.00	1.48	1.38
14	G	841	CLA	MG-ND	-3.00	1.99	2.05
14	B	832	CLA	C1B-C2B	3.00	1.50	1.43
14	G	822	CLA	C4D-CHA	3.00	1.48	1.38
14	A	809	CLA	C1D-ND	-3.00	1.33	1.37
14	B	801	CLA	C1C-NC	-3.00	1.33	1.37
14	B	815	CLA	C1B-NB	-3.00	1.33	1.37
14	G	838	CLA	C1B-NB	-3.00	1.33	1.37
14	H	814	CLA	C3D-C2D	3.00	1.47	1.39
14	A	832	CLA	C1C-NC	-3.00	1.33	1.37
14	Z	801	CLA	MG-ND	-2.99	1.99	2.05
14	Z	821	CLA	C4D-CHA	2.99	1.48	1.38
14	Y	807	CLA	C3D-C2D	2.99	1.47	1.39
14	A	834	CLA	C1D-ND	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	838	CLA	MG-NC	2.99	2.13	2.06
14	G	807	CLA	MG-NC	2.99	2.13	2.06
14	G	835	CLA	MG-ND	-2.99	1.99	2.05
14	G	832	CLA	C4D-CHA	2.99	1.48	1.38
14	Z	815	CLA	C3D-C2D	2.99	1.47	1.39
14	G	815	CLA	C4B-NB	-2.99	1.33	1.37
14	Y	802	CLA	C3D-C2D	2.99	1.47	1.39
17	G	846	BCR	C11-C12	-2.99	1.26	1.34
14	B	806	CLA	OBD-CAD	2.99	1.27	1.22
14	G	815	CLA	C1C-NC	-2.99	1.33	1.37
14	H	803	CLA	C4B-NB	-2.99	1.33	1.37
14	H	810	CLA	C1B-NB	-2.99	1.33	1.37
14	G	803	CLA	C4D-CHA	2.99	1.48	1.38
14	B	817	CLA	C1B-C2B	2.99	1.50	1.43
14	G	814	CLA	MG-NC	2.99	2.13	2.06
14	G	821	CLA	C1D-ND	-2.99	1.33	1.37
14	A	817	CLA	C3D-C2D	2.99	1.47	1.39
14	G	840	CLA	C1B-NB	-2.99	1.33	1.37
14	B	821	CLA	C1C-NC	-2.99	1.33	1.37
14	Y	803	CLA	C1B-C2B	2.99	1.50	1.43
14	G	808	CLA	C1D-ND	-2.99	1.33	1.37
14	G	838	CLA	C1D-ND	-2.99	1.33	1.37
14	A	808	CLA	C4D-CHA	2.99	1.48	1.38
13	G	801	CL0	C4D-CHA	2.98	1.48	1.38
14	B	838	CLA	C1B-C2B	2.98	1.50	1.43
14	Z	810	CLA	C1B-NB	-2.98	1.33	1.37
14	Y	832	CLA	C1B-C2B	2.98	1.50	1.43
14	F	202	CLA	C1D-ND	-2.98	1.33	1.37
14	H	837	CLA	MG-ND	-2.98	1.99	2.05
14	Z	808	CLA	MG-ND	-2.98	1.99	2.05
14	A	833	CLA	C1B-NB	-2.98	1.33	1.37
14	A	805	CLA	C4B-NB	-2.98	1.33	1.37
14	B	818	CLA	C1B-NB	-2.98	1.33	1.37
14	U	1003	CLA	C3D-C2D	2.98	1.47	1.39
14	A	816	CLA	C1B-C2B	2.98	1.50	1.43
14	B	811	CLA	C3D-C2D	2.98	1.47	1.39
14	T	101	CLA	C3D-C2D	2.98	1.47	1.39
14	Z	820	CLA	MG-NC	2.98	2.13	2.06
14	Z	810	CLA	MG-NC	2.98	2.13	2.06
14	B	801	CLA	C1D-ND	-2.98	1.33	1.37
17	G	848	BCR	C11-C12	-2.98	1.26	1.34
14	U	1003	CLA	MG-ND	-2.98	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	838	CLA	C1C-NC	-2.98	1.33	1.37
14	A	835	CLA	C3D-C2D	2.98	1.47	1.39
14	Z	804	CLA	CHB-C1B	2.98	1.46	1.39
14	h	205	CLA	C3D-C2D	2.98	1.47	1.39
14	B	832	CLA	C3D-C2D	2.97	1.47	1.39
14	G	834	CLA	MG-NC	2.97	2.13	2.06
14	h	207	CLA	C1B-C2B	2.97	1.50	1.43
14	Y	808	CLA	C3D-C2D	2.97	1.47	1.39
14	A	819	CLA	MG-ND	-2.97	1.99	2.05
14	A	828	CLA	CHB-C1B	2.97	1.46	1.39
14	Y	821	CLA	C1D-ND	-2.97	1.34	1.37
14	Z	838	CLA	C1D-ND	-2.97	1.34	1.37
14	Y	839	CLA	C3D-C2D	2.97	1.47	1.39
14	H	823	CLA	C1B-NB	-2.97	1.34	1.37
14	H	829	CLA	C1C-NC	-2.97	1.33	1.37
14	H	820	CLA	C3D-C2D	2.97	1.47	1.39
14	H	803	CLA	CHC-C4B	2.97	1.46	1.39
14	A	808	CLA	C1B-NB	-2.97	1.34	1.37
14	Y	854	CLA	C1B-NB	-2.97	1.34	1.37
14	Y	829	CLA	C4D-CHA	2.97	1.48	1.38
14	Z	824	CLA	MG-ND	-2.97	1.99	2.05
14	Z	807	CLA	C1D-ND	-2.97	1.34	1.37
14	A	805	CLA	C3D-C2D	2.97	1.47	1.39
14	B	811	CLA	C1B-C2B	2.97	1.50	1.43
14	Y	807	CLA	C1B-C2B	2.97	1.50	1.43
14	G	811	CLA	MG-NC	2.97	2.13	2.06
14	L	207	CLA	C3D-C2D	2.97	1.47	1.39
14	H	826	CLA	C1C-NC	-2.97	1.33	1.37
14	B	808	CLA	C1D-ND	-2.97	1.34	1.37
14	H	830	CLA	C4B-NB	-2.97	1.34	1.37
14	A	819	CLA	C1C-NC	-2.96	1.33	1.37
14	G	809	CLA	C1D-ND	-2.96	1.34	1.37
14	G	819	CLA	C1D-C2D	2.96	1.51	1.45
14	G	812	CLA	C1B-C2B	2.96	1.50	1.43
14	G	841	CLA	C1B-C2B	2.96	1.50	1.43
14	B	801	CLA	CHC-C4B	2.96	1.46	1.39
14	G	820	CLA	C3D-C2D	2.96	1.47	1.39
14	Z	824	CLA	C1C-NC	-2.96	1.33	1.37
14	H	829	CLA	C1D-ND	-2.96	1.34	1.37
14	A	809	CLA	MG-ND	-2.96	1.99	2.05
14	A	852	CLA	C4D-CHA	2.96	1.48	1.38
14	f	102	CLA	C1D-C2D	2.96	1.51	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	823	CLA	C4D-CHA	2.96	1.48	1.38
14	H	815	CLA	C1B-NB	-2.96	1.34	1.37
14	Z	827	CLA	C1D-ND	-2.96	1.34	1.37
14	G	816	CLA	C4D-CHA	2.96	1.48	1.38
14	A	831	CLA	C1C-NC	-2.96	1.33	1.37
14	Y	831	CLA	C4D-CHA	2.96	1.48	1.38
14	B	811	CLA	MG-ND	-2.96	1.99	2.05
14	H	817	CLA	CHB-C1B	2.96	1.46	1.39
14	Y	805	CLA	C1B-C2B	2.96	1.50	1.43
14	Y	832	CLA	C3D-C2D	2.96	1.47	1.39
14	G	833	CLA	C1B-C2B	2.96	1.50	1.43
14	Y	825	CLA	C3D-C2D	2.96	1.47	1.39
14	G	835	CLA	C1D-ND	-2.96	1.34	1.37
14	H	832	CLA	MG-NC	2.96	2.13	2.06
14	Y	807	CLA	C1D-C2D	2.96	1.51	1.45
14	H	830	CLA	C1B-NB	-2.95	1.34	1.37
17	Z	846	BCR	C11-C12	-2.95	1.27	1.34
14	B	810	CLA	C1B-C2B	2.95	1.50	1.43
14	H	827	CLA	C3D-C2D	2.95	1.47	1.39
14	Y	839	CLA	C1B-NB	-2.95	1.34	1.37
14	Z	832	CLA	C3D-C2D	2.95	1.47	1.39
14	A	812	CLA	MG-ND	-2.95	1.99	2.05
14	d	202	CLA	MG-ND	-2.95	1.99	2.05
14	Y	824	CLA	MG-NC	2.95	2.13	2.06
14	Z	818	CLA	C3D-C2D	2.95	1.47	1.39
14	V	1201	CLA	C3D-C2D	2.95	1.47	1.39
14	H	826	CLA	C1B-C2B	2.95	1.50	1.43
14	G	825	CLA	C1B-NB	-2.95	1.34	1.37
14	B	831	CLA	C4D-CHA	2.95	1.48	1.38
14	G	827	CLA	MG-ND	-2.95	1.99	2.05
14	J	102	CLA	CHB-C1B	2.95	1.46	1.39
14	H	805	CLA	C3D-C2D	2.95	1.47	1.39
14	G	824	CLA	C1B-C2B	2.95	1.50	1.43
14	G	824	CLA	C1C-NC	-2.95	1.33	1.37
14	Z	828	CLA	C3D-C2D	2.94	1.47	1.39
14	H	832	CLA	C4D-CHA	2.94	1.48	1.38
14	Y	816	CLA	C1B-C2B	2.94	1.50	1.43
14	Y	841	CLA	C1B-C2B	2.94	1.50	1.43
14	H	834	CLA	C1C-NC	-2.94	1.33	1.37
14	Y	829	CLA	C3D-C2D	2.94	1.47	1.39
17	B	848	BCR	C11-C12	-2.94	1.27	1.34
14	Y	812	CLA	C4D-CHA	2.94	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	822	CLA	MG-NC	2.94	2.13	2.06
14	Y	828	CLA	C3D-C2D	2.94	1.47	1.39
14	Z	821	CLA	C3D-C2D	2.94	1.47	1.39
14	G	836	CLA	OBD-CAD	2.94	1.27	1.22
14	J	102	CLA	C1D-C2D	2.94	1.51	1.45
14	A	835	CLA	C4D-CHA	2.94	1.48	1.38
14	Z	829	CLA	MG-NC	2.94	2.13	2.06
13	Y	801	CL0	C1B-NB	-2.93	1.34	1.37
14	A	820	CLA	MG-NC	2.93	2.13	2.06
14	G	838	CLA	C4D-CHA	2.93	1.48	1.38
14	Y	819	CLA	C3D-C2D	2.93	1.47	1.39
17	H	842	BCR	C11-C12	-2.93	1.27	1.34
14	H	806	CLA	C1D-ND	-2.93	1.34	1.37
14	H	838	CLA	C1B-NB	-2.93	1.34	1.37
14	Z	825	CLA	C1C-NC	-2.93	1.33	1.37
14	Z	824	CLA	C4D-CHA	2.93	1.48	1.38
14	J	101	CLA	C1B-C2B	2.93	1.50	1.43
14	B	825	CLA	C3D-C2D	2.93	1.47	1.39
14	H	836	CLA	C4D-CHA	2.93	1.48	1.38
14	Y	822	CLA	C4D-CHA	2.93	1.48	1.38
14	A	831	CLA	C1B-NB	-2.92	1.34	1.37
14	T	103	CLA	C1B-NB	-2.92	1.34	1.37
14	G	817	CLA	MG-NC	2.92	2.13	2.06
14	Z	802	CLA	MG-NC	2.92	2.13	2.06
14	B	828	CLA	C3D-C2D	2.92	1.47	1.39
14	G	823	CLA	C1B-C2B	2.92	1.50	1.43
14	A	831	CLA	C1D-ND	-2.92	1.34	1.37
14	Y	806	CLA	C1D-C2D	2.92	1.51	1.45
14	H	803	CLA	C4C-C3C	2.92	1.50	1.45
14	A	807	CLA	C1D-C2D	2.92	1.51	1.45
14	Y	805	CLA	C3D-C2D	2.92	1.47	1.39
14	A	812	CLA	C4C-C3C	2.92	1.50	1.45
14	B	801	CLA	CHB-C1B	2.92	1.46	1.39
14	A	814	CLA	C1B-C2B	2.92	1.50	1.43
14	h	207	CLA	C4D-CHA	2.92	1.48	1.38
14	Y	822	CLA	C4B-NB	-2.92	1.34	1.37
14	H	825	CLA	C1B-C2B	2.92	1.50	1.43
14	d	201	CLA	C1D-C2D	2.92	1.51	1.45
14	G	837	CLA	C4D-CHA	2.92	1.48	1.38
14	Y	831	CLA	C4B-NB	-2.92	1.34	1.37
14	L	205	CLA	C3D-C2D	2.92	1.46	1.39
14	K	101	CLA	C1B-C2B	2.92	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	1701	CLA	MG-NC	2.91	2.13	2.06
14	A	837	CLA	C1D-ND	-2.91	1.34	1.37
14	B	811	CLA	C1B-NB	-2.91	1.34	1.37
14	Z	821	CLA	C1B-C2B	2.91	1.50	1.43
14	Z	824	CLA	C4B-NB	-2.91	1.34	1.37
14	A	803	CLA	C1D-ND	-2.91	1.34	1.37
14	J	101	CLA	C4D-CHA	2.91	1.48	1.38
14	Y	834	CLA	C3B-C4B	2.91	1.51	1.42
14	G	853	CLA	C1B-NB	-2.91	1.34	1.37
14	Y	804	CLA	C1B-C2B	2.91	1.50	1.43
14	B	839	CLA	C1B-NB	-2.91	1.34	1.37
14	Y	826	CLA	C1B-C2B	2.91	1.50	1.43
14	L	206	CLA	C1D-ND	-2.91	1.34	1.37
14	Z	812	CLA	C4D-CHA	2.91	1.48	1.38
14	Y	833	CLA	C1B-C2B	2.91	1.49	1.43
14	G	825	CLA	C3D-C2D	2.91	1.46	1.39
14	G	813	CLA	OBD-CAD	2.91	1.27	1.22
14	G	828	CLA	C1B-NB	-2.91	1.34	1.37
14	Y	828	CLA	C1B-NB	-2.91	1.34	1.37
14	U	1006	CLA	MG-NC	2.90	2.13	2.06
14	Y	802	CLA	C4D-CHA	2.90	1.48	1.38
14	G	836	CLA	C1B-NB	-2.90	1.34	1.37
14	H	804	CLA	C3D-C2D	2.90	1.46	1.39
14	H	819	CLA	C3D-C2D	2.90	1.46	1.39
14	H	815	CLA	C1D-ND	-2.90	1.34	1.37
14	G	831	CLA	C1C-NC	-2.90	1.33	1.37
14	H	809	CLA	C1D-ND	-2.90	1.34	1.37
14	B	823	CLA	MG-NC	2.90	2.13	2.06
14	B	804	CLA	C3D-C2D	2.90	1.46	1.39
14	Y	841	CLA	C3D-C2D	2.90	1.46	1.39
14	G	837	CLA	C1B-C2B	2.90	1.49	1.43
14	B	840	CLA	C1C-NC	-2.90	1.33	1.37
14	G	819	CLA	MG-NC	2.90	2.13	2.06
14	Z	811	CLA	C1B-C2B	2.90	1.49	1.43
14	A	838	CLA	OBD-CAD	2.90	1.27	1.22
14	Z	807	CLA	C4D-CHA	2.90	1.48	1.38
14	Y	829	CLA	C1B-NB	-2.90	1.34	1.37
14	B	805	CLA	C1B-NB	-2.90	1.34	1.37
14	B	841	CLA	C3D-C2D	2.89	1.46	1.39
14	H	828	CLA	C4B-NB	-2.89	1.34	1.37
17	f	103	BCR	C11-C12	-2.89	1.27	1.34
14	Z	814	CLA	C1B-C2B	2.89	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	805	CLA	C1B-NB	-2.89	1.34	1.37
14	Z	803	CLA	C4D-CHA	2.89	1.48	1.38
13	G	801	CL0	C1B-C2B	2.89	1.49	1.43
14	A	803	CLA	C3D-C2D	2.89	1.46	1.39
14	B	814	CLA	C4D-CHA	2.89	1.48	1.38
14	G	828	CLA	MG-ND	-2.89	2.00	2.05
14	A	813	CLA	C1B-C2B	2.89	1.49	1.43
14	G	843	CLA	C3D-C2D	2.89	1.46	1.39
14	B	817	CLA	C3D-C2D	2.89	1.46	1.39
14	G	820	CLA	C1D-ND	-2.89	1.34	1.37
14	A	809	CLA	C3D-C2D	2.89	1.46	1.39
14	B	816	CLA	C4D-CHA	2.89	1.48	1.38
14	A	825	CLA	C4C-C3C	2.89	1.49	1.45
14	B	836	CLA	MG-NC	2.89	2.13	2.06
14	B	825	CLA	C4D-CHA	2.89	1.48	1.38
14	A	835	CLA	C1B-NB	-2.88	1.34	1.37
14	H	808	CLA	C1D-ND	-2.88	1.34	1.37
14	Z	819	CLA	C1D-ND	-2.88	1.34	1.37
14	A	840	CLA	C1D-C2D	2.88	1.51	1.45
14	Z	805	CLA	C4D-CHA	2.88	1.48	1.38
14	H	801	CLA	MG-NC	2.88	2.13	2.06
14	H	826	CLA	MG-ND	-2.88	2.00	2.05
14	A	852	CLA	C1B-NB	-2.88	1.34	1.37
14	G	811	CLA	C1B-NB	-2.88	1.34	1.37
14	Z	839	CLA	C1D-ND	-2.88	1.34	1.37
14	B	805	CLA	C4D-CHA	2.88	1.48	1.38
14	H	811	CLA	C1B-C2B	2.88	1.49	1.43
14	G	808	CLA	C4B-NB	-2.88	1.34	1.37
14	h	207	CLA	C1B-NB	-2.88	1.34	1.37
14	U	1006	CLA	MG-ND	-2.88	2.00	2.05
14	j	102	CLA	C1D-ND	-2.88	1.34	1.37
14	H	806	CLA	MG-NC	2.88	2.13	2.06
14	G	810	CLA	C1D-ND	-2.88	1.34	1.37
14	Y	817	CLA	MG-NC	2.88	2.13	2.06
14	Y	820	CLA	C1B-C2B	2.88	1.49	1.43
14	Z	835	CLA	C1D-ND	-2.88	1.34	1.37
14	A	842	CLA	C4B-NB	-2.88	1.34	1.37
14	K	103	CLA	C1B-NB	-2.87	1.34	1.37
14	Y	823	CLA	C4D-CHA	2.87	1.48	1.38
14	B	815	CLA	C4D-CHA	2.87	1.48	1.38
13	A	801	CL0	MG-NC	2.87	2.13	2.06
14	H	809	CLA	C1B-C2B	2.87	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	838	CLA	C3D-C2D	2.87	1.46	1.39
14	A	816	CLA	C1D-C2D	2.87	1.51	1.45
14	B	834	CLA	C1D-ND	-2.87	1.34	1.37
14	L	206	CLA	C4B-NB	-2.87	1.34	1.37
14	B	804	CLA	C1B-NB	-2.87	1.34	1.37
14	Z	831	CLA	C4B-NB	-2.87	1.34	1.37
19	H	846	LMG	C22-C21	-2.87	1.33	1.51
14	L	205	CLA	C4D-CHA	2.87	1.48	1.38
14	Y	827	CLA	C1B-NB	-2.87	1.34	1.37
14	Y	811	CLA	C1B-C2B	2.87	1.49	1.43
14	H	814	CLA	C1C-NC	-2.87	1.33	1.37
14	Y	818	CLA	C4B-NB	-2.87	1.34	1.37
14	Z	816	CLA	C4D-CHA	2.87	1.48	1.38
14	Y	817	CLA	C1B-C2B	2.87	1.49	1.43
14	B	806	CLA	C4B-NB	-2.86	1.34	1.37
14	G	808	CLA	C4D-CHA	2.86	1.48	1.38
14	B	818	CLA	C3D-C2D	2.86	1.46	1.39
14	H	818	CLA	C4D-CHA	2.86	1.48	1.38
14	Y	806	CLA	C4D-CHA	2.86	1.48	1.38
14	Y	824	CLA	C4D-CHA	2.86	1.48	1.38
14	h	205	CLA	MG-ND	-2.86	2.00	2.05
14	B	802	CLA	MG-NC	2.86	2.13	2.06
14	S	1103	CLA	MG-NC	2.86	2.13	2.06
14	B	813	CLA	C1B-C2B	2.86	1.49	1.43
14	j	102	CLA	C4D-CHA	2.86	1.48	1.38
17	A	846	BCR	C11-C12	-2.86	1.27	1.34
14	H	811	CLA	C3D-C2D	2.86	1.46	1.39
14	Z	804	CLA	MG-ND	-2.86	2.00	2.05
14	A	830	CLA	C1B-C2B	2.86	1.49	1.43
14	Y	808	CLA	C1B-C2B	2.86	1.49	1.43
14	G	818	CLA	C1B-C2B	2.86	1.49	1.43
14	Z	829	CLA	C1B-C2B	2.86	1.49	1.43
14	B	819	CLA	C4D-CHA	2.86	1.48	1.38
14	B	820	CLA	C1D-C2D	2.86	1.51	1.45
14	G	831	CLA	C1B-NB	-2.86	1.34	1.37
14	Y	808	CLA	C1C-NC	-2.86	1.33	1.37
14	A	840	CLA	C1B-NB	-2.86	1.34	1.37
14	B	827	CLA	MG-ND	-2.86	2.00	2.05
14	Z	803	CLA	C1D-ND	-2.85	1.34	1.37
14	A	811	CLA	C3D-C2D	2.85	1.46	1.39
14	B	814	CLA	C4B-NB	-2.85	1.34	1.37
14	B	837	CLA	C4D-CHA	2.85	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	102	CLA	C4D-CHA	2.85	1.48	1.38
14	G	804	CLA	C3D-C2D	2.85	1.46	1.39
13	A	801	CL0	C1C-NC	-2.85	1.33	1.37
14	G	816	CLA	C1D-C2D	2.85	1.51	1.45
14	g	102	CLA	MG-NC	2.85	2.13	2.06
14	A	807	CLA	C3D-C2D	2.85	1.46	1.39
14	H	832	CLA	C1D-C2D	2.85	1.51	1.45
14	B	820	CLA	MG-ND	-2.85	2.00	2.05
14	G	819	CLA	C4D-CHA	2.85	1.48	1.38
14	Y	836	CLA	MG-NC	2.85	2.13	2.06
14	G	807	CLA	C3D-C2D	2.85	1.46	1.39
14	Y	804	CLA	C3D-C2D	2.85	1.46	1.39
14	Y	835	CLA	C4B-NB	-2.85	1.34	1.37
14	A	802	CLA	C4D-CHA	2.85	1.48	1.38
14	G	830	CLA	C1B-NB	-2.85	1.34	1.37
14	Z	832	CLA	C4D-CHA	2.85	1.48	1.38
14	H	808	CLA	C4D-CHA	2.85	1.48	1.38
14	A	834	CLA	MG-NC	2.85	2.13	2.06
14	B	813	CLA	C3D-C2D	2.85	1.46	1.39
14	H	836	CLA	C3D-C2D	2.85	1.46	1.39
14	L	207	CLA	C4D-CHA	2.85	1.48	1.38
14	Y	819	CLA	C1B-NB	-2.85	1.34	1.37
14	A	837	CLA	C1B-C2B	2.85	1.49	1.43
14	B	839	CLA	C4D-CHA	2.85	1.48	1.38
14	H	827	CLA	C4D-CHA	2.85	1.48	1.38
14	X	1701	CLA	C1B-C2B	2.84	1.49	1.43
14	Y	854	CLA	MG-ND	-2.84	2.00	2.05
14	A	824	CLA	C1D-ND	-2.84	1.34	1.37
14	A	804	CLA	C1B-C2B	2.84	1.49	1.43
14	Z	828	CLA	C1D-ND	-2.84	1.34	1.37
14	j	102	CLA	C1B-C2B	2.84	1.49	1.43
14	H	824	CLA	C1D-ND	-2.84	1.34	1.37
14	H	803	CLA	C1D-ND	-2.84	1.34	1.37
14	X	1701	CLA	C4D-CHA	2.84	1.48	1.38
14	Q	201	CLA	C3D-C2D	2.84	1.46	1.39
14	H	803	CLA	C1B-C2B	2.84	1.49	1.43
14	Z	834	CLA	C4C-C3C	2.84	1.49	1.45
14	B	830	CLA	C1D-C2D	2.84	1.51	1.45
14	K	101	CLA	C1C-NC	-2.84	1.33	1.37
14	H	821	CLA	C3D-C2D	2.84	1.46	1.39
14	B	816	CLA	C1B-C2B	2.84	1.49	1.43
14	G	815	CLA	C1D-ND	-2.84	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	823	CLA	C1D-ND	-2.84	1.34	1.37
14	L	202	CLA	C1B-NB	-2.84	1.34	1.37
14	B	823	CLA	C1B-C2B	2.84	1.49	1.43
14	B	813	CLA	C1D-ND	-2.84	1.34	1.37
14	G	822	CLA	C1C-NC	-2.84	1.33	1.37
14	B	839	CLA	OBD-CAD	2.84	1.27	1.22
14	H	814	CLA	C4B-NB	-2.83	1.34	1.37
17	R	101	BCR	C11-C12	-2.83	1.27	1.34
14	H	817	CLA	C1D-C2D	2.83	1.50	1.45
14	B	824	CLA	C1B-C2B	2.83	1.49	1.43
14	F	202	CLA	MG-ND	-2.83	2.00	2.05
14	H	806	CLA	MG-ND	-2.83	2.00	2.05
14	Z	833	CLA	C1B-C2B	2.83	1.49	1.43
14	Z	814	CLA	C4D-CHA	2.83	1.48	1.38
14	H	812	CLA	C4C-C3C	2.83	1.49	1.45
14	S	1101	CLA	C4D-CHA	2.83	1.48	1.38
14	Z	823	CLA	C4D-CHA	2.83	1.48	1.38
14	S	1102	CLA	MG-NC	2.83	2.13	2.06
14	H	825	CLA	C4D-CHA	2.83	1.48	1.38
14	g	102	CLA	C4D-CHA	2.83	1.48	1.38
14	Y	802	CLA	C4B-NB	-2.83	1.34	1.37
14	A	838	CLA	C4D-CHA	2.83	1.48	1.38
14	G	817	CLA	C1D-ND	-2.83	1.34	1.37
14	G	829	CLA	C1B-NB	-2.83	1.34	1.37
14	Y	807	CLA	C4D-CHA	2.83	1.48	1.38
14	A	806	CLA	C4B-NB	-2.83	1.34	1.37
14	H	813	CLA	C1D-ND	-2.83	1.34	1.37
14	A	816	CLA	MG-NC	2.83	2.13	2.06
14	L	205	CLA	MG-NC	2.83	2.13	2.06
14	Q	201	CLA	C4D-CHA	2.83	1.48	1.38
14	G	805	CLA	C1B-C2B	2.83	1.49	1.43
14	A	814	CLA	C4D-CHA	2.83	1.48	1.38
14	T	101	CLA	MG-NC	2.83	2.13	2.06
14	G	822	CLA	C1B-C2B	2.82	1.49	1.43
14	A	835	CLA	C1C-NC	-2.82	1.33	1.37
14	H	813	CLA	C4B-NB	-2.82	1.34	1.37
14	V	1201	CLA	C1B-NB	-2.82	1.34	1.37
14	Z	836	CLA	C1B-NB	-2.82	1.34	1.37
14	Z	805	CLA	MG-ND	-2.82	2.00	2.05
14	G	826	CLA	C1B-C2B	2.82	1.49	1.43
14	G	826	CLA	MG-NC	2.82	2.13	2.06
14	B	817	CLA	MG-ND	-2.82	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	817	CLA	C1B-C2B	2.82	1.49	1.43
17	T	102	BCR	C11-C12	-2.82	1.27	1.34
14	G	822	CLA	C1D-C2D	2.82	1.50	1.45
14	G	824	CLA	MG-NC	2.82	2.13	2.06
14	K	103	CLA	C1D-ND	-2.82	1.34	1.37
14	Y	835	CLA	C1C-C2C	2.82	1.50	1.44
17	H	845	BCR	C11-C12	-2.82	1.27	1.34
14	B	841	CLA	MG-ND	-2.82	2.00	2.05
14	B	837	CLA	C1B-C2B	2.82	1.49	1.43
14	B	811	CLA	MG-NC	2.82	2.13	2.06
14	G	818	CLA	C4D-CHA	2.82	1.48	1.38
14	Y	837	CLA	C3D-C2D	2.82	1.46	1.39
14	H	826	CLA	MG-NC	2.82	2.13	2.06
14	B	812	CLA	C1B-NB	-2.82	1.34	1.37
14	B	836	CLA	C4C-C3C	2.82	1.49	1.45
14	G	830	CLA	C4B-NB	-2.82	1.34	1.37
14	S	1103	CLA	C1D-ND	-2.82	1.34	1.37
14	Z	830	CLA	C1D-ND	-2.82	1.34	1.37
14	G	832	CLA	OBD-CAD	2.82	1.27	1.22
14	Z	810	CLA	C4D-CHA	2.82	1.48	1.38
13	G	801	CL0	C4B-NB	-2.82	1.34	1.37
14	B	827	CLA	C4B-NB	-2.82	1.34	1.37
14	G	824	CLA	C1B-NB	-2.82	1.34	1.37
14	h	201	CLA	C3D-C2D	2.82	1.46	1.39
14	A	834	CLA	C3D-C2D	2.82	1.46	1.39
14	Y	836	CLA	C4D-CHA	2.82	1.48	1.38
14	B	831	CLA	OBD-CAD	2.81	1.27	1.22
14	H	818	CLA	C1D-C2D	2.81	1.50	1.45
14	B	835	CLA	C4D-CHA	2.81	1.48	1.38
14	Y	815	CLA	C4D-CHA	2.81	1.48	1.38
14	B	820	CLA	MG-NC	2.81	2.13	2.06
14	Y	839	CLA	C4D-CHA	2.81	1.48	1.38
14	H	811	CLA	C1B-NB	-2.81	1.34	1.37
14	Y	814	CLA	C1D-ND	-2.81	1.34	1.37
14	A	841	CLA	C3D-C2D	2.81	1.46	1.39
14	Z	831	CLA	C1C-NC	-2.81	1.33	1.37
14	G	829	CLA	C4D-CHA	2.81	1.48	1.38
14	H	821	CLA	C4D-CHA	2.81	1.48	1.38
14	Z	816	CLA	C4B-NB	-2.81	1.34	1.37
14	Y	825	CLA	C4D-CHA	2.81	1.48	1.38
14	H	835	CLA	C1B-C2B	2.81	1.49	1.43
14	Y	815	CLA	C1D-ND	-2.81	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	804	CLA	MG-ND	-2.81	2.00	2.05
14	B	839	CLA	C3D-C2D	2.81	1.46	1.39
14	Z	802	CLA	C4B-NB	-2.81	1.34	1.37
14	G	833	CLA	C4D-CHA	2.81	1.48	1.38
14	S	1103	CLA	C3D-C2D	2.81	1.46	1.39
14	H	811	CLA	C4D-CHA	2.81	1.48	1.38
14	H	815	CLA	C4D-CHA	2.81	1.48	1.38
14	f	101	CLA	C4D-CHA	2.81	1.48	1.38
14	Y	810	CLA	C4D-CHA	2.81	1.48	1.38
14	H	830	CLA	MG-NC	2.81	2.12	2.06
14	H	815	CLA	C1B-C2B	2.81	1.49	1.43
14	Y	838	CLA	C1B-NB	-2.81	1.34	1.37
14	Z	823	CLA	MG-ND	-2.81	2.00	2.05
14	A	820	CLA	C3D-C2D	2.81	1.46	1.39
14	Z	825	CLA	C3D-C2D	2.81	1.46	1.39
14	A	805	CLA	C1D-ND	-2.81	1.34	1.37
14	U	1004	CLA	C1C-NC	-2.81	1.33	1.37
14	Y	840	CLA	C4D-CHA	2.81	1.48	1.38
14	Z	834	CLA	C4D-CHA	2.81	1.48	1.38
14	B	815	CLA	C3D-C2D	2.81	1.46	1.39
14	X	1701	CLA	C3D-C2D	2.81	1.46	1.39
14	Z	821	CLA	C1D-ND	-2.81	1.34	1.37
14	A	824	CLA	MG-NC	2.81	2.12	2.06
14	A	834	CLA	C1B-NB	-2.81	1.34	1.37
13	A	801	CL0	C1B-C2B	2.81	1.49	1.43
14	G	829	CLA	C1C-NC	-2.80	1.33	1.37
14	A	828	CLA	C1D-ND	-2.80	1.34	1.37
14	B	813	CLA	C1B-NB	-2.80	1.34	1.37
14	G	803	CLA	C1B-C2B	2.80	1.49	1.43
14	H	823	CLA	C3D-C2D	2.80	1.46	1.39
14	H	809	CLA	MG-NC	2.80	2.12	2.06
14	Y	831	CLA	C1B-NB	-2.80	1.34	1.37
14	Y	822	CLA	C3D-C2D	2.80	1.46	1.39
14	G	822	CLA	C4B-NB	-2.80	1.34	1.37
14	T	103	CLA	C4D-CHA	2.80	1.48	1.38
14	B	832	CLA	C1C-NC	-2.80	1.33	1.37
14	H	816	CLA	C3D-C2D	2.80	1.46	1.39
14	Z	805	CLA	C1C-NC	-2.80	1.33	1.37
14	Z	830	CLA	C1B-C2B	2.80	1.49	1.43
14	A	815	CLA	C1B-C2B	2.80	1.49	1.43
19	Z	847	LMG	C22-C21	-2.80	1.34	1.51
14	B	821	CLA	C3D-C2D	2.80	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	811	CLA	C3D-C2D	2.80	1.46	1.39
14	G	830	CLA	MG-ND	-2.80	2.00	2.05
14	H	830	CLA	C4D-CHA	2.80	1.48	1.38
14	A	829	CLA	C4D-CHA	2.80	1.48	1.38
14	G	816	CLA	C1B-C2B	2.80	1.49	1.43
14	G	839	CLA	C1D-ND	-2.80	1.34	1.37
14	Z	835	CLA	C3D-C2D	2.80	1.46	1.39
14	A	817	CLA	MG-ND	-2.80	2.00	2.05
14	Y	810	CLA	C1B-C2B	2.79	1.49	1.43
14	Z	834	CLA	C1B-C2B	2.79	1.49	1.43
14	Z	827	CLA	C3D-C2D	2.79	1.46	1.39
14	Z	827	CLA	C1B-C2B	2.79	1.49	1.43
14	G	809	CLA	C1B-NB	-2.79	1.34	1.37
14	U	1006	CLA	C1D-ND	-2.79	1.34	1.37
14	T	101	CLA	MG-ND	-2.79	2.00	2.05
14	H	810	CLA	C4D-CHA	2.79	1.48	1.38
14	Y	840	CLA	C1B-NB	-2.79	1.34	1.37
14	B	834	CLA	C4D-CHA	2.79	1.48	1.38
14	B	832	CLA	MG-ND	-2.79	2.00	2.05
14	G	802	CLA	C4B-NB	-2.79	1.34	1.37
14	A	828	CLA	MG-NC	2.79	2.12	2.06
14	A	807	CLA	C1C-NC	-2.79	1.33	1.37
14	Z	831	CLA	MG-NC	2.79	2.12	2.06
14	H	811	CLA	MG-NC	2.79	2.12	2.06
14	Y	803	CLA	C1D-ND	-2.79	1.34	1.37
14	Y	815	CLA	C1B-C2B	2.79	1.49	1.43
14	f	101	CLA	MG-NC	2.79	2.12	2.06
14	Y	813	CLA	C4D-CHA	2.79	1.48	1.38
14	G	826	CLA	C1D-ND	-2.79	1.34	1.37
14	A	811	CLA	C1B-C2B	2.79	1.49	1.43
14	H	813	CLA	C1B-C2B	2.79	1.49	1.43
14	S	1103	CLA	C1B-C2B	2.79	1.49	1.43
14	G	812	CLA	C4D-CHA	2.79	1.47	1.38
14	H	820	CLA	MG-NC	2.79	2.12	2.06
14	G	817	CLA	MG-ND	-2.79	2.00	2.05
14	A	823	CLA	C1D-C2D	2.79	1.50	1.45
14	h	206	CLA	MG-ND	-2.79	2.00	2.05
14	H	827	CLA	MG-ND	-2.79	2.00	2.05
14	G	836	CLA	C4D-CHA	2.78	1.47	1.38
14	B	820	CLA	C1D-ND	-2.78	1.34	1.37
14	H	819	CLA	C1B-NB	-2.78	1.34	1.37
14	G	804	CLA	C1B-C2B	2.78	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Q	203	CLA	C4D-CHA	2.78	1.47	1.38
14	B	801	CLA	MG-ND	-2.78	2.00	2.05
14	Z	809	CLA	C4D-CHA	2.78	1.47	1.38
14	G	814	CLA	C3D-C2D	2.78	1.46	1.39
14	H	837	CLA	C1D-ND	-2.78	1.34	1.37
14	G	811	CLA	C3D-C2D	2.78	1.46	1.39
14	G	840	CLA	C3B-C4B	2.78	1.50	1.42
14	L	207	CLA	C4B-NB	-2.78	1.34	1.37
14	Y	810	CLA	C1B-NB	-2.78	1.34	1.37
14	Y	835	CLA	C4C-C3C	2.78	1.49	1.45
14	H	838	CLA	C1C-NC	-2.78	1.33	1.37
14	Z	813	CLA	C1B-C2B	2.78	1.49	1.43
14	B	810	CLA	C4D-CHA	2.78	1.47	1.38
14	g	102	CLA	C1B-C2B	2.78	1.49	1.43
14	B	829	CLA	C4D-CHA	2.78	1.47	1.38
17	U	1008	BCR	C11-C12	-2.78	1.27	1.34
14	A	828	CLA	OBD-CAD	2.78	1.27	1.22
14	Y	830	CLA	C1C-NC	-2.78	1.33	1.37
14	G	818	CLA	C1B-NB	-2.78	1.34	1.37
14	B	826	CLA	C1B-C2B	2.78	1.49	1.43
14	B	830	CLA	C1B-C2B	2.78	1.49	1.43
14	G	843	CLA	C4B-NB	-2.78	1.34	1.37
17	d	203	BCR	C11-C12	-2.78	1.27	1.34
14	A	825	CLA	MG-NC	2.78	2.12	2.06
14	G	832	CLA	C1C-NC	-2.78	1.33	1.37
14	G	841	CLA	C1C-NC	-2.78	1.33	1.37
14	d	201	CLA	C3D-C2D	2.78	1.46	1.39
14	G	823	CLA	C3D-C2D	2.78	1.46	1.39
14	H	832	CLA	C3D-C2D	2.78	1.46	1.39
14	B	816	CLA	MG-NC	2.78	2.12	2.06
14	h	201	CLA	OBD-CAD	2.78	1.27	1.22
14	G	814	CLA	C1B-C2B	2.78	1.49	1.43
14	Z	830	CLA	C3D-C2D	2.78	1.46	1.39
14	A	822	CLA	C1D-C2D	2.78	1.50	1.45
14	S	1101	CLA	C1B-C2B	2.78	1.49	1.43
14	B	810	CLA	MG-NC	2.78	2.12	2.06
14	B	841	CLA	C1C-NC	-2.78	1.33	1.37
14	H	802	CLA	MG-ND	-2.77	2.00	2.05
14	Y	825	CLA	C1D-ND	-2.77	1.34	1.37
14	Z	828	CLA	MG-ND	-2.77	2.00	2.05
14	U	1004	CLA	C1D-ND	-2.77	1.34	1.37
14	B	835	CLA	MG-NC	2.77	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	811	CLA	C1B-C2B	2.77	1.49	1.43
14	A	805	CLA	MG-ND	-2.77	2.00	2.05
14	G	810	CLA	C3D-C2D	2.77	1.46	1.39
14	Z	826	CLA	C4D-CHA	2.77	1.47	1.38
14	A	838	CLA	MG-ND	-2.77	2.00	2.05
14	A	820	CLA	C1B-C2B	2.77	1.49	1.43
14	B	838	CLA	MG-ND	-2.77	2.00	2.05
14	H	838	CLA	C4D-CHA	2.77	1.47	1.38
14	G	835	CLA	C4D-CHA	2.77	1.47	1.38
14	A	852	CLA	C1B-C2B	2.77	1.49	1.43
14	Y	836	CLA	C3B-C4B	2.77	1.50	1.42
14	A	817	CLA	C4D-CHA	2.77	1.47	1.38
14	A	825	CLA	C1D-ND	-2.77	1.34	1.37
14	G	811	CLA	C1D-ND	-2.77	1.34	1.37
14	A	828	CLA	C3D-C2D	2.77	1.46	1.39
14	G	820	CLA	C1C-NC	-2.77	1.33	1.37
17	Y	848	BCR	C11-C12	-2.77	1.27	1.34
14	H	808	CLA	C1B-C2B	2.77	1.49	1.43
14	G	841	CLA	C4D-CHA	2.76	1.47	1.38
17	Z	843	BCR	C11-C12	-2.76	1.27	1.34
14	F	202	CLA	C1C-NC	-2.76	1.33	1.37
14	Y	815	CLA	MG-NC	2.76	2.12	2.06
14	H	814	CLA	C1B-C2B	2.76	1.49	1.43
14	U	1003	CLA	C1B-NB	-2.76	1.34	1.37
14	A	840	CLA	C4D-CHA	2.76	1.47	1.38
14	A	806	CLA	C3D-C2D	2.76	1.46	1.39
14	Y	813	CLA	C1B-NB	-2.76	1.34	1.37
14	d	202	CLA	C4D-CHA	2.76	1.47	1.38
14	Y	835	CLA	C1B-C2B	2.76	1.49	1.43
14	K	103	CLA	C1B-C2B	2.76	1.49	1.43
14	H	827	CLA	C1B-C2B	2.76	1.49	1.43
14	Z	809	CLA	C1D-C2D	2.76	1.50	1.45
14	A	813	CLA	MG-ND	-2.76	2.00	2.05
14	X	1701	CLA	MG-ND	-2.76	2.00	2.05
14	S	1102	CLA	C4D-CHA	2.76	1.47	1.38
14	G	810	CLA	C1B-NB	-2.76	1.34	1.37
14	Y	819	CLA	C1C-NC	-2.76	1.33	1.37
14	B	831	CLA	C3D-C2D	2.76	1.46	1.39
14	B	818	CLA	C4D-CHA	2.76	1.47	1.38
14	A	835	CLA	C4B-NB	-2.76	1.34	1.37
14	A	806	CLA	MG-ND	-2.76	2.00	2.05
14	B	805	CLA	C4C-C3C	2.76	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	801	CLA	C4B-NB	-2.76	1.34	1.37
14	H	824	CLA	C4D-CHA	2.76	1.47	1.38
14	Z	834	CLA	C3D-C2D	2.76	1.46	1.39
14	Y	820	CLA	MG-NC	2.76	2.12	2.06
14	G	829	CLA	C3D-C2D	2.76	1.46	1.39
14	Z	837	CLA	C1C-NC	-2.76	1.33	1.37
14	Y	819	CLA	C1D-C2D	2.75	1.50	1.45
14	A	840	CLA	C1B-C2B	2.75	1.49	1.43
14	A	821	CLA	C4D-CHA	2.75	1.47	1.38
14	H	828	CLA	C1D-ND	-2.75	1.34	1.37
14	H	831	CLA	C4D-CHA	2.75	1.47	1.38
14	A	824	CLA	C1C-C2C	2.75	1.50	1.44
14	A	804	CLA	C4D-CHA	2.75	1.47	1.38
14	A	810	CLA	C1B-C2B	2.75	1.49	1.43
14	B	808	CLA	C3D-C2D	2.75	1.46	1.39
14	G	826	CLA	C3D-C2D	2.75	1.46	1.39
14	Z	820	CLA	C4D-CHA	2.75	1.47	1.38
14	A	809	CLA	C1D-C2D	2.75	1.50	1.45
14	G	840	CLA	C4D-CHA	2.75	1.47	1.38
14	G	828	CLA	C1D-ND	-2.75	1.34	1.37
14	G	834	CLA	C1B-NB	-2.75	1.34	1.37
14	Y	806	CLA	MG-NC	2.75	2.12	2.06
14	Y	811	CLA	C4D-CHA	2.75	1.47	1.38
14	Z	820	CLA	C1D-ND	-2.75	1.34	1.37
14	Z	801	CLA	C1C-NC	-2.75	1.33	1.37
14	Y	816	CLA	C4D-CHA	2.75	1.47	1.38
14	G	824	CLA	C3D-C2D	2.75	1.46	1.39
14	Q	201	CLA	MG-NC	2.75	2.12	2.06
14	G	831	CLA	C1D-ND	-2.75	1.34	1.37
14	G	818	CLA	C1D-C2D	2.75	1.50	1.45
14	S	1103	CLA	C1B-NB	-2.75	1.34	1.37
14	A	815	CLA	MG-NC	2.75	2.12	2.06
14	Y	835	CLA	C4D-CHA	2.75	1.47	1.38
14	B	824	CLA	C1D-ND	-2.75	1.34	1.37
14	Z	820	CLA	C1B-NB	-2.75	1.34	1.37
14	Z	823	CLA	C1D-ND	-2.75	1.34	1.37
14	A	842	CLA	C1C-C2C	2.74	1.50	1.44
14	H	832	CLA	C1B-C2B	2.74	1.49	1.43
14	B	823	CLA	C1B-NB	-2.74	1.34	1.37
14	g	102	CLA	C1B-NB	-2.74	1.34	1.37
14	A	830	CLA	MG-NC	2.74	2.12	2.06
14	Y	828	CLA	OBD-CAD	2.74	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	806	CLA	MG-NC	2.74	2.12	2.06
14	B	803	CLA	C3D-C2D	2.74	1.46	1.39
14	G	822	CLA	C1B-NB	-2.74	1.34	1.37
14	Y	854	CLA	C1B-C2B	2.74	1.49	1.43
14	A	830	CLA	C4C-C3C	2.74	1.49	1.45
14	G	812	CLA	C1D-ND	-2.74	1.34	1.37
14	G	821	CLA	C3D-C2D	2.74	1.46	1.39
14	Y	843	CLA	C3D-C2D	2.74	1.46	1.39
14	Y	840	CLA	MG-ND	-2.74	2.00	2.05
14	A	814	CLA	MG-NC	2.74	2.12	2.06
14	H	836	CLA	MG-NC	2.74	2.12	2.06
14	Z	829	CLA	C4C-C3C	2.74	1.49	1.45
14	B	821	CLA	MG-NC	2.74	2.12	2.06
14	G	805	CLA	C1C-NC	-2.74	1.33	1.37
14	H	822	CLA	C4D-CHA	2.74	1.47	1.38
14	Y	827	CLA	C1B-C2B	2.74	1.49	1.43
14	H	801	CLA	C4D-CHA	2.74	1.47	1.38
14	Z	804	CLA	C1D-C2D	2.74	1.50	1.45
14	Z	802	CLA	C4D-CHA	2.74	1.47	1.38
14	A	833	CLA	C1C-NC	-2.74	1.33	1.37
14	H	837	CLA	C4C-C3C	2.74	1.49	1.45
14	Y	820	CLA	MG-ND	-2.74	2.00	2.05
14	A	814	CLA	C1D-C2D	2.74	1.50	1.45
14	G	827	CLA	MG-NC	2.74	2.12	2.06
14	U	1004	CLA	C1B-NB	-2.74	1.34	1.37
14	Y	804	CLA	C4B-NB	-2.74	1.34	1.37
14	U	1002	CLA	MG-ND	-2.74	2.00	2.05
14	Z	822	CLA	C3D-C2D	2.74	1.46	1.39
14	G	823	CLA	C4D-CHA	2.74	1.47	1.38
14	H	818	CLA	C1B-NB	-2.74	1.34	1.37
14	Y	809	CLA	C4D-CHA	2.74	1.47	1.38
14	Y	837	CLA	C1B-C2B	2.73	1.49	1.43
14	H	808	CLA	C3D-C2D	2.73	1.46	1.39
14	H	823	CLA	C4C-C3C	2.73	1.49	1.45
14	W	1701	CLA	C1D-C2D	2.73	1.50	1.45
14	J	101	CLA	C3D-C2D	2.73	1.46	1.39
14	B	835	CLA	C3D-C2D	2.73	1.46	1.39
14	B	825	CLA	C1B-NB	-2.73	1.34	1.37
14	W	1701	CLA	C4D-CHA	2.73	1.47	1.38
14	B	812	CLA	C1C-NC	-2.73	1.33	1.37
14	Y	833	CLA	C4B-NB	-2.73	1.34	1.37
14	Z	834	CLA	C1B-NB	-2.73	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	809	CLA	C1B-C2B	2.73	1.49	1.43
14	H	809	CLA	C3D-C2D	2.73	1.46	1.39
14	Y	804	CLA	C1D-ND	-2.73	1.34	1.37
14	A	812	CLA	C3D-C2D	2.73	1.46	1.39
14	G	837	CLA	MG-NC	2.73	2.12	2.06
14	U	1004	CLA	C4B-NB	-2.73	1.34	1.37
14	Z	819	CLA	C4D-CHA	2.73	1.47	1.38
14	V	1201	CLA	C1B-C2B	2.73	1.49	1.43
14	Z	815	CLA	C1B-NB	-2.73	1.34	1.37
14	G	817	CLA	C4D-CHA	2.73	1.47	1.38
14	T	103	CLA	MG-NC	2.73	2.12	2.06
14	G	837	CLA	C1B-NB	-2.73	1.34	1.37
14	A	805	CLA	C1B-C2B	2.73	1.49	1.43
14	A	826	CLA	MG-NC	2.73	2.12	2.06
14	H	831	CLA	MG-NC	2.73	2.12	2.06
14	G	835	CLA	C1D-C2D	2.73	1.50	1.45
14	B	822	CLA	C4D-CHA	2.73	1.47	1.38
14	j	102	CLA	C1C-NC	-2.73	1.33	1.37
14	d	201	CLA	C4D-CHA	2.73	1.47	1.38
14	G	815	CLA	C1B-C2B	2.73	1.49	1.43
14	Y	818	CLA	C3D-C2D	2.73	1.46	1.39
14	A	814	CLA	C1D-ND	-2.73	1.34	1.37
14	L	205	CLA	C1C-NC	-2.73	1.33	1.37
14	Z	808	CLA	C4D-CHA	2.73	1.47	1.38
14	G	805	CLA	C1B-NB	-2.72	1.34	1.37
14	G	802	CLA	C4D-CHA	2.72	1.47	1.38
14	Z	833	CLA	C4D-CHA	2.72	1.47	1.38
14	H	821	CLA	C1B-C2B	2.72	1.49	1.43
14	U	1006	CLA	C4B-NB	-2.72	1.34	1.37
14	Q	203	CLA	MG-NC	2.72	2.12	2.06
13	G	801	CL0	C3D-C2D	2.72	1.46	1.39
14	Z	804	CLA	C1C-NC	-2.72	1.33	1.37
14	Y	812	CLA	C1B-C2B	2.72	1.49	1.43
14	Z	814	CLA	C3D-C2D	2.72	1.46	1.39
14	A	821	CLA	C1B-C2B	2.72	1.49	1.43
14	Y	805	CLA	C1B-NB	-2.72	1.34	1.37
14	H	805	CLA	C4D-CHA	2.72	1.47	1.38
14	Z	811	CLA	C4D-CHA	2.72	1.47	1.38
14	Z	824	CLA	C1B-NB	-2.72	1.34	1.37
14	Y	813	CLA	C3D-C2D	2.72	1.46	1.39
14	G	827	CLA	C4D-CHA	2.72	1.47	1.38
14	Z	836	CLA	MG-ND	-2.72	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	810	CLA	MG-ND	-2.72	2.00	2.05
14	K	103	CLA	C4D-CHA	2.72	1.47	1.38
14	Y	837	CLA	MG-ND	-2.72	2.00	2.05
14	L	207	CLA	C1C-NC	-2.72	1.33	1.37
14	Z	817	CLA	MG-ND	-2.72	2.00	2.05
14	Y	828	CLA	C1D-ND	-2.72	1.34	1.37
14	Z	825	CLA	C1D-ND	-2.72	1.34	1.37
14	H	837	CLA	C1B-NB	-2.72	1.34	1.37
14	G	809	CLA	MG-ND	-2.72	2.00	2.05
14	Y	808	CLA	C4D-CHA	2.72	1.47	1.38
14	F	202	CLA	MG-NC	2.72	2.12	2.06
14	U	1002	CLA	C3D-C2D	2.71	1.46	1.39
14	H	801	CLA	C1B-NB	-2.71	1.34	1.37
14	g	101	CLA	C4C-C3C	2.71	1.49	1.45
14	B	812	CLA	C4D-CHA	2.71	1.47	1.38
14	B	827	CLA	C1B-NB	-2.71	1.34	1.37
14	Z	803	CLA	C1B-C2B	2.71	1.49	1.43
14	G	820	CLA	C1B-C2B	2.71	1.49	1.43
14	H	804	CLA	MG-NC	2.71	2.12	2.06
14	H	814	CLA	MG-NC	2.71	2.12	2.06
14	H	829	CLA	C4D-CHA	2.71	1.47	1.38
14	H	832	CLA	MG-ND	-2.71	2.00	2.05
14	G	840	CLA	MG-NC	2.71	2.12	2.06
14	H	805	CLA	MG-NC	2.71	2.12	2.06
14	J	101	CLA	MG-NC	2.71	2.12	2.06
14	Y	821	CLA	MG-ND	-2.71	2.00	2.05
14	Y	810	CLA	MG-ND	-2.71	2.00	2.05
14	Y	822	CLA	MG-NC	2.71	2.12	2.06
14	H	828	CLA	C1C-NC	-2.71	1.33	1.37
14	B	822	CLA	C3D-C2D	2.71	1.46	1.39
14	B	808	CLA	C1B-NB	-2.71	1.34	1.37
14	A	840	CLA	C3B-C4B	2.71	1.50	1.42
13	G	801	CL0	C1D-C2D	2.71	1.50	1.45
14	G	839	CLA	C1B-NB	-2.71	1.34	1.37
14	H	808	CLA	C1C-NC	-2.71	1.33	1.37
14	A	818	CLA	C4B-NB	-2.71	1.34	1.37
14	G	831	CLA	C4D-CHA	2.71	1.47	1.38
14	Y	833	CLA	C1C-NC	-2.71	1.33	1.37
14	G	841	CLA	C3B-C4B	2.71	1.50	1.42
14	Z	823	CLA	C1C-NC	-2.71	1.33	1.37
14	A	831	CLA	C4D-CHA	2.71	1.47	1.38
14	H	807	CLA	C1B-C2B	2.70	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	807	CLA	C4D-CHA	2.70	1.47	1.38
14	B	836	CLA	C1D-ND	-2.70	1.34	1.37
14	G	825	CLA	C4D-CHA	2.70	1.47	1.38
14	A	840	CLA	C1C-NC	-2.70	1.33	1.37
14	L	202	CLA	C4D-CHA	2.70	1.47	1.38
14	Z	801	CLA	C4D-CHA	2.70	1.47	1.38
14	A	810	CLA	C4D-CHA	2.70	1.47	1.38
14	H	819	CLA	MG-ND	-2.70	2.00	2.05
14	B	801	CLA	C1D-C2D	2.70	1.50	1.45
14	B	804	CLA	C4D-CHA	2.70	1.47	1.38
14	Y	809	CLA	MG-NC	2.70	2.12	2.06
14	h	205	CLA	C1B-NB	-2.70	1.34	1.37
14	H	816	CLA	C1B-NB	-2.70	1.34	1.37
14	Y	837	CLA	C1B-NB	-2.70	1.34	1.37
14	G	820	CLA	MG-ND	-2.70	2.00	2.05
14	G	814	CLA	C1B-NB	-2.70	1.34	1.37
14	G	838	CLA	C1B-C2B	2.70	1.49	1.43
14	B	837	CLA	MG-ND	-2.70	2.00	2.05
14	H	815	CLA	C3D-C2D	2.70	1.46	1.39
14	Y	810	CLA	C1D-ND	-2.70	1.34	1.37
14	Y	812	CLA	C3D-C2D	2.70	1.46	1.39
14	B	812	CLA	C1D-ND	-2.70	1.34	1.37
14	Y	826	CLA	MG-ND	-2.70	2.00	2.05
14	A	829	CLA	C1C-NC	-2.70	1.33	1.37
14	Y	804	CLA	C4D-CHA	2.70	1.47	1.38
14	B	821	CLA	MG-ND	-2.70	2.00	2.05
14	G	812	CLA	C3D-C2D	2.69	1.46	1.39
14	T	103	CLA	C1D-C2D	2.69	1.50	1.45
14	Z	818	CLA	C1D-ND	-2.69	1.34	1.37
14	A	841	CLA	C4D-CHA	2.69	1.47	1.38
14	A	836	CLA	C1D-ND	-2.69	1.34	1.37
14	Z	810	CLA	C1D-ND	-2.69	1.34	1.37
14	Z	809	CLA	MG-NC	2.69	2.12	2.06
14	G	806	CLA	C1C-NC	-2.69	1.33	1.37
14	B	809	CLA	C4D-CHA	2.69	1.47	1.38
14	B	835	CLA	C1D-ND	-2.69	1.34	1.37
14	H	806	CLA	C4B-NB	-2.69	1.34	1.37
14	Z	817	CLA	C4B-NB	-2.69	1.34	1.37
14	f	101	CLA	C4B-NB	-2.69	1.34	1.37
14	G	828	CLA	C3D-C2D	2.69	1.46	1.39
14	A	803	CLA	C4D-CHA	2.69	1.47	1.38
14	Y	843	CLA	C4B-NB	-2.69	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	822	CLA	MG-ND	-2.69	2.00	2.05
14	A	809	CLA	C4C-C3C	2.69	1.49	1.45
14	A	811	CLA	C4D-CHA	2.69	1.47	1.38
14	B	836	CLA	C1B-C2B	2.69	1.49	1.43
14	G	837	CLA	C1C-NC	-2.69	1.33	1.37
14	H	816	CLA	MG-ND	-2.69	2.00	2.05
14	K	103	CLA	MG-ND	-2.69	2.00	2.05
14	G	832	CLA	C1B-C2B	2.69	1.49	1.43
14	Q	203	CLA	C1B-C2B	2.69	1.49	1.43
14	H	835	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	836	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	822	CLA	C4B-NB	-2.69	1.34	1.37
14	H	834	CLA	C1D-C2D	2.69	1.50	1.45
14	Z	809	CLA	C1C-NC	-2.69	1.33	1.37
14	V	1201	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	829	CLA	C4D-CHA	2.69	1.47	1.38
14	B	836	CLA	MG-ND	-2.69	2.00	2.05
14	Y	822	CLA	C1B-C2B	2.69	1.49	1.43
14	Z	817	CLA	C1C-NC	-2.69	1.33	1.37
14	B	819	CLA	C1C-NC	-2.68	1.33	1.37
14	B	841	CLA	C1D-C2D	2.68	1.50	1.45
14	A	805	CLA	MG-NC	2.68	2.12	2.06
14	G	843	CLA	C4D-CHA	2.68	1.47	1.38
14	Z	825	CLA	MG-NC	2.68	2.12	2.06
14	K	101	CLA	MG-NC	2.68	2.12	2.06
14	Z	828	CLA	C4D-CHA	2.68	1.47	1.38
14	H	838	CLA	MG-NC	2.68	2.12	2.06
14	Y	816	CLA	C3D-C2D	2.68	1.46	1.39
14	H	828	CLA	C4D-CHA	2.68	1.47	1.38
17	I	101	BCR	C1-C6	-2.68	1.50	1.53
14	A	811	CLA	C1D-ND	-2.68	1.34	1.37
14	T	101	CLA	C1D-C2D	2.68	1.50	1.45
14	Y	811	CLA	C1D-C2D	2.68	1.50	1.45
14	S	1101	CLA	C3D-C2D	2.68	1.46	1.39
14	A	826	CLA	C4D-CHA	2.68	1.47	1.38
14	G	827	CLA	C3B-C4B	2.68	1.50	1.42
17	H	845	BCR	C30-C25	-2.68	1.50	1.53
14	G	853	CLA	C1C-NC	-2.68	1.33	1.37
14	Y	840	CLA	C1D-ND	-2.68	1.34	1.37
14	A	813	CLA	C4D-CHA	2.68	1.47	1.38
14	A	827	CLA	C4B-NB	-2.68	1.34	1.37
14	A	837	CLA	MG-NC	2.68	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CLA	MG-NC	2.68	2.12	2.06
14	B	813	CLA	C4C-C3C	2.68	1.49	1.45
14	G	822	CLA	C3D-C2D	2.68	1.46	1.39
14	Z	830	CLA	C3B-C4B	2.68	1.50	1.42
14	Z	838	CLA	MG-NC	2.68	2.12	2.06
14	G	821	CLA	MG-ND	-2.68	2.00	2.05
14	Y	817	CLA	C1B-NB	-2.68	1.34	1.37
14	H	804	CLA	C4D-CHA	2.68	1.47	1.38
14	H	807	CLA	C1C-NC	-2.68	1.33	1.37
14	H	818	CLA	C1C-NC	-2.68	1.33	1.37
14	G	834	CLA	C4D-CHA	2.68	1.47	1.38
14	A	812	CLA	C1B-C2B	2.68	1.49	1.43
14	G	839	CLA	C1B-C2B	2.68	1.49	1.43
14	B	834	CLA	MG-NC	2.68	2.12	2.06
14	H	834	CLA	C4B-NB	-2.68	1.34	1.37
14	H	819	CLA	C1B-C2B	2.68	1.49	1.43
14	B	838	CLA	C4D-CHA	2.68	1.47	1.38
14	A	825	CLA	C4D-CHA	2.68	1.47	1.38
14	A	813	CLA	C1D-ND	-2.68	1.34	1.37
14	Y	805	CLA	C1D-C2D	2.68	1.50	1.45
14	A	832	CLA	C4D-CHA	2.67	1.47	1.38
14	B	833	CLA	C4D-CHA	2.67	1.47	1.38
14	Y	823	CLA	C1B-NB	-2.67	1.34	1.37
14	Z	805	CLA	C1B-C2B	2.67	1.49	1.43
14	A	840	CLA	C3D-C2D	2.67	1.46	1.39
14	G	838	CLA	C1C-NC	-2.67	1.33	1.37
14	Y	815	CLA	C1B-NB	-2.67	1.34	1.37
14	Z	839	CLA	C4D-CHA	2.67	1.47	1.38
14	G	810	CLA	MG-ND	-2.67	2.00	2.05
14	X	1701	CLA	C1B-NB	-2.67	1.34	1.37
14	G	835	CLA	C3D-C2D	2.67	1.46	1.39
14	A	836	CLA	C1D-C2D	2.67	1.50	1.45
14	Y	814	CLA	C4D-CHA	2.67	1.47	1.38
14	Y	854	CLA	MG-NC	2.67	2.12	2.06
14	Y	806	CLA	MG-ND	-2.67	2.00	2.05
14	Y	834	CLA	MG-ND	-2.67	2.00	2.05
14	H	803	CLA	C4D-CHA	2.67	1.47	1.38
14	A	822	CLA	C1C-NC	-2.67	1.33	1.37
14	Z	825	CLA	C4D-CHA	2.67	1.47	1.38
14	A	826	CLA	C1D-C2D	2.67	1.50	1.45
14	A	833	CLA	MG-NC	2.67	2.12	2.06
14	H	826	CLA	C3D-C2D	2.67	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	824	CLA	C4D-CHA	2.67	1.47	1.38
14	H	834	CLA	C4D-CHA	2.67	1.47	1.38
14	G	809	CLA	C4B-NB	-2.67	1.34	1.37
14	B	808	CLA	MG-ND	-2.67	2.00	2.05
14	g	102	CLA	MG-ND	-2.67	2.00	2.05
14	H	823	CLA	C4B-NB	-2.67	1.34	1.37
14	K	101	CLA	C4B-NB	-2.67	1.34	1.37
14	Z	831	CLA	C4D-CHA	2.67	1.47	1.38
14	Z	806	CLA	C4B-NB	-2.67	1.34	1.37
14	g	102	CLA	C1D-ND	-2.67	1.34	1.37
14	B	836	CLA	C3D-C2D	2.67	1.46	1.39
14	Y	839	CLA	C1D-C2D	2.67	1.50	1.45
14	B	840	CLA	C1B-NB	-2.67	1.34	1.37
14	H	824	CLA	C1B-NB	-2.67	1.34	1.37
14	Z	814	CLA	C1D-C2D	2.66	1.50	1.45
14	B	841	CLA	C1B-C2B	2.66	1.49	1.43
14	G	809	CLA	C1B-C2B	2.66	1.49	1.43
14	A	829	CLA	C4B-NB	-2.66	1.34	1.37
14	H	805	CLA	C1B-C2B	2.66	1.49	1.43
14	S	1101	CLA	C1C-NC	-2.66	1.33	1.37
14	Y	827	CLA	C4D-CHA	2.66	1.47	1.38
14	A	841	CLA	MG-NC	2.66	2.12	2.06
14	G	825	CLA	MG-NC	2.66	2.12	2.06
14	A	837	CLA	C4D-CHA	2.66	1.47	1.38
14	A	830	CLA	C1C-NC	-2.66	1.33	1.37
14	Y	821	CLA	C4D-CHA	2.66	1.47	1.38
14	B	828	CLA	C4B-NB	-2.66	1.34	1.37
14	B	815	CLA	C1B-C2B	2.66	1.49	1.43
14	Y	826	CLA	C1C-C2C	2.66	1.49	1.44
14	A	834	CLA	C4D-CHA	2.66	1.47	1.38
14	H	820	CLA	C4D-CHA	2.66	1.47	1.38
14	A	810	CLA	MG-ND	-2.66	2.00	2.05
14	Y	841	CLA	C4D-CHA	2.66	1.47	1.38
14	Y	810	CLA	MG-NC	2.66	2.12	2.06
14	Z	806	CLA	MG-NC	2.66	2.12	2.06
14	A	821	CLA	C1D-ND	-2.66	1.34	1.37
14	H	826	CLA	C4D-CHA	2.66	1.47	1.38
14	Y	832	CLA	MG-NC	2.66	2.12	2.06
14	G	826	CLA	C4D-CHA	2.66	1.47	1.38
14	A	836	CLA	C4D-CHA	2.65	1.47	1.38
14	Z	804	CLA	C4D-CHA	2.65	1.47	1.38
14	j	102	CLA	C3D-C2D	2.65	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	822	CLA	C4B-NB	-2.65	1.34	1.37
14	G	821	CLA	C1B-NB	-2.65	1.34	1.37
14	A	819	CLA	C4D-CHA	2.65	1.47	1.38
14	G	823	CLA	C1D-ND	-2.65	1.34	1.37
14	Q	201	CLA	C1C-NC	-2.65	1.33	1.37
14	B	812	CLA	C1D-C2D	2.65	1.50	1.45
14	A	806	CLA	C4D-CHA	2.65	1.47	1.38
14	S	1101	CLA	MG-NC	2.65	2.12	2.06
14	B	835	CLA	C1D-C2D	2.65	1.50	1.45
14	H	823	CLA	C1B-C2B	2.65	1.49	1.43
14	G	830	CLA	C4D-CHA	2.65	1.47	1.38
14	g	101	CLA	C1D-ND	-2.65	1.34	1.37
14	j	102	CLA	C1B-NB	-2.65	1.34	1.37
14	Z	818	CLA	MG-NC	2.65	2.12	2.06
14	H	801	CLA	MG-ND	-2.65	2.00	2.05
14	B	837	CLA	C1B-NB	-2.65	1.34	1.37
14	G	838	CLA	C1D-C2D	2.65	1.50	1.45
14	Z	830	CLA	C1C-NC	-2.65	1.33	1.37
14	Y	804	CLA	MG-ND	-2.65	2.00	2.05
14	j	102	CLA	MG-NC	2.65	2.12	2.06
14	Z	820	CLA	C4B-NB	-2.65	1.34	1.37
14	Z	816	CLA	C1D-C2D	2.65	1.50	1.45
14	Z	815	CLA	C4D-CHA	2.65	1.47	1.38
14	A	836	CLA	C4B-NB	-2.65	1.34	1.37
14	H	816	CLA	C4D-CHA	2.64	1.47	1.38
14	B	807	CLA	C1B-C2B	2.64	1.49	1.43
14	B	802	CLA	C4D-CHA	2.64	1.47	1.38
14	B	821	CLA	C4D-CHA	2.64	1.47	1.38
14	U	1002	CLA	C4D-CHA	2.64	1.47	1.38
14	B	832	CLA	C1D-C2D	2.64	1.50	1.45
14	Z	811	CLA	C3B-C4B	2.64	1.50	1.42
14	Z	829	CLA	C3D-C2D	2.64	1.46	1.39
14	G	810	CLA	C4D-CHA	2.64	1.47	1.38
14	Y	832	CLA	C4D-CHA	2.64	1.47	1.38
14	Z	821	CLA	C4C-C3C	2.64	1.49	1.45
14	G	807	CLA	C1D-C2D	2.64	1.50	1.45
14	Y	855	CLA	C4B-NB	-2.64	1.34	1.37
14	Z	833	CLA	C1D-C2D	2.64	1.50	1.45
14	Y	843	CLA	C1B-NB	-2.64	1.34	1.37
17	I	101	BCR	C11-C12	-2.64	1.27	1.34
14	H	806	CLA	C4D-CHA	2.64	1.47	1.38
14	S	1102	CLA	C1B-C2B	2.64	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	835	CLA	C1C-NC	-2.64	1.33	1.37
14	G	828	CLA	C4D-CHA	2.64	1.47	1.38
14	A	826	CLA	MG-ND	-2.64	2.00	2.05
14	H	832	CLA	C4C-C3C	2.64	1.49	1.45
14	B	839	CLA	C1B-C2B	2.64	1.49	1.43
14	A	828	CLA	MG-ND	-2.64	2.00	2.05
14	G	806	CLA	C3D-C2D	2.64	1.46	1.39
14	A	809	CLA	MG-NC	2.64	2.12	2.06
14	G	823	CLA	C4B-NB	-2.63	1.34	1.37
14	B	809	CLA	C4B-NB	-2.63	1.34	1.37
14	H	831	CLA	C4B-NB	-2.63	1.34	1.37
14	Z	803	CLA	C4B-NB	-2.63	1.34	1.37
14	L	205	CLA	MG-ND	-2.63	2.00	2.05
14	Y	804	CLA	C1D-C2D	2.63	1.50	1.45
14	H	822	CLA	C3D-C2D	2.63	1.46	1.39
14	H	817	CLA	C4D-CHA	2.63	1.47	1.38
14	B	815	CLA	C1D-ND	-2.63	1.34	1.37
14	Y	836	CLA	C1B-C2B	2.63	1.49	1.43
14	A	803	CLA	MG-NC	2.63	2.12	2.06
14	W	1701	CLA	C3D-C2D	2.63	1.46	1.39
14	Y	834	CLA	CHB-C1B	2.63	1.45	1.39
14	G	840	CLA	C1D-ND	-2.63	1.34	1.37
14	B	820	CLA	C3D-C2D	2.63	1.46	1.39
14	S	1102	CLA	MG-ND	-2.63	2.00	2.05
14	Z	802	CLA	C3D-C2D	2.63	1.46	1.39
14	H	824	CLA	C1D-C2D	2.63	1.50	1.45
14	G	806	CLA	C1D-ND	-2.63	1.34	1.37
14	Y	807	CLA	C1B-NB	-2.63	1.34	1.37
14	Y	827	CLA	C3B-C4B	2.63	1.50	1.42
14	G	831	CLA	MG-ND	-2.63	2.00	2.05
14	Y	815	CLA	C1D-C2D	2.63	1.50	1.45
14	G	823	CLA	MG-NC	2.63	2.12	2.06
14	A	837	CLA	C1D-C2D	2.63	1.50	1.45
14	Z	822	CLA	C1C-NC	-2.63	1.33	1.37
14	S	1102	CLA	C1D-C2D	2.63	1.50	1.45
14	Y	824	CLA	C1C-NC	-2.63	1.33	1.37
14	B	823	CLA	C4D-CHA	2.63	1.47	1.38
13	Y	801	CL0	C4B-NB	-2.63	1.34	1.37
14	L	201	CLA	C3D-C2D	2.63	1.46	1.39
14	H	828	CLA	MG-ND	-2.63	2.00	2.05
14	A	813	CLA	MG-NC	2.63	2.12	2.06
14	G	806	CLA	C4D-CHA	2.63	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	834	CLA	C1C-NC	-2.63	1.33	1.37
14	d	201	CLA	MG-NC	2.63	2.12	2.06
14	Y	808	CLA	MG-NC	2.63	2.12	2.06
14	T	101	CLA	C1D-ND	-2.62	1.34	1.37
14	G	808	CLA	C1C-NC	-2.62	1.33	1.37
14	A	823	CLA	MG-NC	2.62	2.12	2.06
14	Y	812	CLA	C1C-NC	-2.62	1.33	1.37
14	Z	818	CLA	MG-ND	-2.62	2.00	2.05
14	A	810	CLA	MG-NC	2.62	2.12	2.06
14	G	842	CLA	MG-NC	2.62	2.12	2.06
17	h	202	BCR	C11-C12	-2.62	1.27	1.34
14	H	824	CLA	C3D-C2D	2.62	1.46	1.39
14	A	841	CLA	C1D-ND	-2.62	1.34	1.37
14	h	205	CLA	MG-NC	2.62	2.12	2.06
14	J	102	CLA	C4C-C3C	2.62	1.49	1.45
14	H	810	CLA	C1B-C2B	2.62	1.49	1.43
14	H	837	CLA	C4D-CHA	2.62	1.47	1.38
14	Z	816	CLA	MG-NC	2.62	2.12	2.06
14	H	832	CLA	C1C-NC	-2.62	1.33	1.37
14	L	207	CLA	MG-NC	2.62	2.12	2.06
14	H	815	CLA	C1D-C2D	2.62	1.50	1.45
14	W	1701	CLA	C1B-NB	-2.62	1.34	1.37
14	Z	815	CLA	MG-NC	2.62	2.12	2.06
14	B	803	CLA	C4D-CHA	2.62	1.47	1.38
14	G	810	CLA	C4B-NB	-2.62	1.34	1.37
14	Y	808	CLA	C4B-NB	-2.62	1.34	1.37
14	B	819	CLA	MG-NC	2.62	2.12	2.06
14	B	822	CLA	C1C-NC	-2.62	1.33	1.37
14	Y	843	CLA	C4D-CHA	2.62	1.47	1.38
14	Z	806	CLA	C3D-C2D	2.62	1.46	1.39
14	A	824	CLA	C4B-NB	-2.62	1.34	1.37
14	B	811	CLA	C1D-ND	-2.62	1.34	1.37
14	G	853	CLA	C4D-CHA	2.62	1.47	1.38
14	A	805	CLA	C1C-NC	-2.62	1.33	1.37
14	G	822	CLA	MG-NC	2.62	2.12	2.06
14	A	803	CLA	C1C-C2C	2.62	1.49	1.44
14	Y	829	CLA	C1D-ND	-2.62	1.34	1.37
14	f	102	CLA	C1B-NB	-2.62	1.34	1.37
14	Z	822	CLA	C1B-C2B	2.61	1.49	1.43
14	B	829	CLA	C1B-C2B	2.61	1.49	1.43
14	A	818	CLA	MG-NC	2.61	2.12	2.06
14	Z	817	CLA	C4D-CHA	2.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	C4C-C3C	2.61	1.49	1.45
14	A	821	CLA	C1D-C2D	2.61	1.50	1.45
14	Y	843	CLA	MG-NC	2.61	2.12	2.06
14	Y	825	CLA	C4B-NB	-2.61	1.34	1.37
14	A	832	CLA	C3D-C2D	2.61	1.46	1.39
14	Z	837	CLA	C1D-C2D	2.61	1.50	1.45
14	B	816	CLA	C1C-NC	-2.61	1.33	1.37
14	H	801	CLA	C1B-C2B	2.61	1.49	1.43
14	Y	827	CLA	MG-ND	-2.61	2.00	2.05
14	Y	809	CLA	C4C-C3C	2.61	1.49	1.45
14	H	815	CLA	C4B-NB	-2.61	1.34	1.37
14	Y	807	CLA	MG-NC	2.61	2.12	2.06
14	G	821	CLA	C4D-CHA	2.61	1.47	1.38
14	Y	817	CLA	MG-ND	-2.61	2.00	2.05
14	Z	815	CLA	C1C-NC	-2.61	1.33	1.37
14	H	817	CLA	C4B-NB	-2.61	1.34	1.37
14	G	818	CLA	MG-ND	-2.61	2.00	2.05
14	Q	203	CLA	C1B-NB	-2.61	1.34	1.37
14	G	839	CLA	C3D-C2D	2.61	1.46	1.39
14	G	830	CLA	C1D-ND	-2.61	1.34	1.37
14	A	821	CLA	MG-NC	2.61	2.12	2.06
14	Z	819	CLA	C1D-C2D	2.61	1.50	1.45
14	H	837	CLA	C4B-NB	-2.61	1.34	1.37
14	A	825	CLA	C3D-C2D	2.61	1.46	1.39
14	Z	832	CLA	MG-NC	2.61	2.12	2.06
14	A	827	CLA	C4D-CHA	2.61	1.47	1.38
14	T	103	CLA	C4B-NB	-2.61	1.34	1.37
14	B	813	CLA	C4D-CHA	2.60	1.47	1.38
14	B	831	CLA	C1D-ND	-2.60	1.34	1.37
14	A	810	CLA	C1D-C2D	2.60	1.50	1.45
14	B	840	CLA	C3B-C4B	2.60	1.50	1.42
14	G	828	CLA	MG-NC	2.60	2.12	2.06
14	L	202	CLA	C1D-ND	-2.60	1.34	1.37
14	Y	839	CLA	C1D-ND	-2.60	1.34	1.37
14	U	1002	CLA	C1B-C2B	2.60	1.49	1.43
14	H	813	CLA	MG-NC	2.60	2.12	2.06
14	B	841	CLA	C1D-ND	-2.60	1.34	1.37
14	G	836	CLA	C1D-C2D	2.60	1.50	1.45
14	G	832	CLA	C3D-C2D	2.60	1.46	1.39
14	B	819	CLA	C1D-ND	-2.60	1.34	1.37
14	G	838	CLA	C4B-NB	-2.60	1.34	1.37
14	L	202	CLA	C3D-C2D	2.60	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	801	CLA	C4D-CHA	2.60	1.47	1.38
14	B	828	CLA	C4D-CHA	2.60	1.47	1.38
14	G	813	CLA	C4B-NB	-2.60	1.34	1.37
14	B	806	CLA	MG-ND	-2.60	2.00	2.05
14	G	834	CLA	C4B-NB	-2.60	1.34	1.37
14	h	205	CLA	C4B-NB	-2.60	1.34	1.37
14	S	1103	CLA	C4D-CHA	2.60	1.47	1.38
14	A	815	CLA	C1C-NC	-2.60	1.33	1.37
14	B	833	CLA	C1C-NC	-2.60	1.33	1.37
14	G	806	CLA	MG-NC	2.60	2.12	2.06
14	Z	815	CLA	C4B-NB	-2.60	1.34	1.37
14	B	836	CLA	C1B-NB	-2.60	1.34	1.37
14	B	840	CLA	C4B-NB	-2.60	1.34	1.37
14	H	827	CLA	C1B-NB	-2.60	1.34	1.37
14	Q	201	CLA	MG-ND	-2.60	2.00	2.05
14	B	825	CLA	C3B-C4B	2.60	1.50	1.42
14	B	841	CLA	C4D-CHA	2.60	1.47	1.38
14	B	834	CLA	C3D-C2D	2.59	1.46	1.39
14	Q	201	CLA	C1D-C2D	2.59	1.50	1.45
14	Y	831	CLA	C3D-C2D	2.59	1.46	1.39
14	Y	818	CLA	C4D-CHA	2.59	1.47	1.38
14	A	815	CLA	C1D-ND	-2.59	1.34	1.37
14	Z	832	CLA	C1B-C2B	2.59	1.49	1.43
14	Y	838	CLA	C1D-C2D	2.59	1.50	1.45
14	Z	815	CLA	C1B-C2B	2.59	1.49	1.43
14	Z	837	CLA	MG-NC	2.59	2.12	2.06
14	H	825	CLA	C1C-NC	-2.59	1.33	1.37
14	G	807	CLA	C4D-CHA	2.59	1.47	1.38
14	B	815	CLA	MG-NC	2.59	2.12	2.06
14	B	814	CLA	C1D-C2D	2.59	1.50	1.45
14	G	837	CLA	C1D-ND	-2.59	1.34	1.37
14	B	811	CLA	C4D-CHA	2.59	1.47	1.38
14	Z	808	CLA	C1C-NC	-2.59	1.33	1.37
14	H	825	CLA	C1B-NB	-2.59	1.34	1.37
14	B	812	CLA	C1B-C2B	2.59	1.49	1.43
14	Y	833	CLA	MG-ND	-2.59	2.00	2.05
14	A	803	CLA	C1C-NC	-2.59	1.33	1.37
14	Y	813	CLA	C1C-NC	-2.59	1.33	1.37
14	H	836	CLA	C1D-ND	-2.59	1.34	1.37
14	X	1701	CLA	C4B-NB	-2.59	1.34	1.37
14	Y	835	CLA	C1B-NB	-2.59	1.34	1.37
14	Y	802	CLA	C1C-NC	-2.59	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	802	CLA	C1B-NB	-2.58	1.34	1.37
14	G	803	CLA	C4B-NB	-2.58	1.34	1.37
14	H	812	CLA	C1B-NB	-2.58	1.34	1.37
14	Y	828	CLA	C1C-C2C	2.58	1.49	1.44
14	H	824	CLA	MG-ND	-2.58	2.00	2.05
14	h	205	CLA	C4D-CHA	2.58	1.47	1.38
14	B	828	CLA	C1C-NC	-2.58	1.33	1.37
13	A	801	CL0	C4D-CHA	2.58	1.47	1.38
14	h	201	CLA	C1C-NC	-2.58	1.33	1.37
14	A	812	CLA	MG-NC	2.58	2.12	2.06
14	Y	824	CLA	C1D-ND	-2.58	1.34	1.37
14	Y	822	CLA	C1D-ND	-2.58	1.34	1.37
14	A	821	CLA	C3D-C2D	2.58	1.46	1.39
14	G	809	CLA	C3D-C2D	2.58	1.46	1.39
14	G	813	CLA	C1B-C2B	2.58	1.49	1.43
14	K	103	CLA	C1D-C2D	2.58	1.50	1.45
14	H	804	CLA	C1B-NB	-2.58	1.34	1.37
14	B	805	CLA	MG-ND	-2.58	2.00	2.05
14	H	810	CLA	MG-ND	-2.58	2.00	2.05
14	Y	808	CLA	MG-ND	-2.58	2.00	2.05
14	Z	814	CLA	MG-NC	2.58	2.12	2.06
14	A	826	CLA	C1B-C2B	2.58	1.49	1.43
14	Z	815	CLA	C1D-ND	-2.58	1.34	1.37
14	Y	809	CLA	MG-ND	-2.57	2.00	2.05
13	A	801	CL0	C4C-C3C	2.57	1.49	1.45
14	A	814	CLA	C1B-NB	-2.57	1.34	1.37
14	A	838	CLA	C1B-NB	-2.57	1.34	1.37
14	B	817	CLA	C1D-ND	-2.57	1.34	1.37
14	h	206	CLA	MG-NC	2.57	2.12	2.06
14	Z	826	CLA	MG-ND	-2.57	2.00	2.05
14	U	1006	CLA	C4D-CHA	2.57	1.47	1.38
14	B	810	CLA	C4C-C3C	2.57	1.49	1.45
14	A	816	CLA	C1B-NB	-2.57	1.34	1.37
14	g	102	CLA	C1C-NC	-2.57	1.33	1.37
14	h	205	CLA	C1D-ND	-2.57	1.34	1.37
14	Y	809	CLA	C3D-C2D	2.57	1.46	1.39
14	A	840	CLA	MG-ND	-2.57	2.00	2.05
14	B	807	CLA	C1C-NC	-2.57	1.33	1.37
14	H	821	CLA	C1C-NC	-2.57	1.33	1.37
14	A	839	CLA	C1B-NB	-2.57	1.34	1.37
14	Z	825	CLA	C1B-NB	-2.57	1.34	1.37
14	A	803	CLA	MG-ND	-2.57	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	825	CLA	C4C-C3C	2.57	1.49	1.45
14	B	831	CLA	C1B-NB	-2.57	1.34	1.37
14	Y	841	CLA	C4B-NB	-2.57	1.34	1.37
14	L	201	CLA	OBD-CAD	2.57	1.26	1.22
14	B	822	CLA	C1B-C2B	2.57	1.49	1.43
14	G	809	CLA	C1C-NC	-2.57	1.33	1.37
14	Y	817	CLA	C1D-ND	-2.56	1.34	1.37
14	B	833	CLA	C1B-C2B	2.56	1.49	1.43
14	Y	803	CLA	C1D-C2D	2.56	1.50	1.45
14	J	102	CLA	C4B-NB	-2.56	1.34	1.37
14	U	1004	CLA	MG-NC	2.56	2.12	2.06
14	A	808	CLA	C4B-NB	-2.56	1.34	1.37
14	Z	820	CLA	MG-ND	-2.56	2.00	2.05
14	A	832	CLA	MG-ND	-2.56	2.00	2.05
14	A	804	CLA	C1D-ND	-2.56	1.34	1.37
14	Z	816	CLA	C1D-ND	-2.56	1.34	1.37
14	A	819	CLA	C1D-C2D	2.56	1.50	1.45
14	A	831	CLA	MG-NC	2.56	2.12	2.06
14	Q	203	CLA	MG-ND	-2.56	2.00	2.05
14	G	842	CLA	C4D-CHA	2.56	1.47	1.38
14	B	818	CLA	C1D-C2D	2.56	1.50	1.45
14	Y	841	CLA	MG-NC	2.56	2.12	2.06
14	A	837	CLA	C1B-NB	-2.56	1.34	1.37
14	A	831	CLA	C3D-C2D	2.56	1.46	1.39
14	H	826	CLA	C1D-ND	-2.56	1.34	1.37
14	G	837	CLA	C1D-C2D	2.56	1.50	1.45
14	H	833	CLA	C1D-C2D	2.56	1.50	1.45
14	A	805	CLA	C4D-CHA	2.56	1.47	1.38
14	Y	834	CLA	C4D-CHA	2.56	1.47	1.38
14	d	202	CLA	C1B-C2B	2.56	1.49	1.43
14	L	201	CLA	C4B-NB	-2.55	1.34	1.37
14	Y	837	CLA	C4D-CHA	2.55	1.47	1.38
14	B	825	CLA	MG-NC	2.55	2.12	2.06
14	Y	822	CLA	C1C-NC	-2.55	1.33	1.37
14	Z	839	CLA	C3D-C2D	2.55	1.46	1.39
17	A	845	BCR	C11-C12	-2.55	1.28	1.34
14	Y	826	CLA	C4B-NB	-2.55	1.34	1.37
17	Z	846	BCR	C30-C25	-2.55	1.50	1.53
14	S	1101	CLA	C1D-C2D	2.55	1.50	1.45
14	B	809	CLA	C1C-NC	-2.55	1.33	1.37
14	Y	806	CLA	C1B-NB	-2.55	1.34	1.37
14	A	815	CLA	C1D-C2D	2.55	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	838	CLA	C4D-CHA	2.55	1.47	1.38
14	Z	823	CLA	C3D-C2D	2.55	1.45	1.39
14	A	842	CLA	C4D-CHA	2.55	1.47	1.38
14	G	839	CLA	C4D-CHA	2.55	1.47	1.38
14	f	101	CLA	C1B-C2B	2.55	1.49	1.43
14	Y	828	CLA	MG-NC	2.55	2.12	2.06
14	Z	836	CLA	C1D-C2D	2.55	1.50	1.45
14	B	805	CLA	MG-NC	2.55	2.12	2.06
14	Y	804	CLA	MG-NC	2.55	2.12	2.06
14	Z	822	CLA	C1B-NB	-2.55	1.34	1.37
14	Y	825	CLA	C4C-C3C	2.55	1.49	1.45
14	B	807	CLA	MG-NC	2.55	2.12	2.06
14	A	835	CLA	MG-NC	2.55	2.12	2.06
14	B	810	CLA	C3D-C2D	2.55	1.45	1.39
14	Z	808	CLA	MG-NC	2.55	2.12	2.06
14	B	836	CLA	C4D-CHA	2.55	1.47	1.38
14	B	807	CLA	C4C-C3C	2.55	1.49	1.45
14	H	805	CLA	C1C-NC	-2.54	1.33	1.37
14	H	804	CLA	C1D-C2D	2.54	1.50	1.45
14	H	833	CLA	C4B-NB	-2.54	1.34	1.37
14	Y	825	CLA	C1B-NB	-2.54	1.34	1.37
14	B	826	CLA	C4D-CHA	2.54	1.47	1.38
14	B	802	CLA	C3D-C2D	2.54	1.45	1.39
14	B	807	CLA	C3D-C2D	2.54	1.45	1.39
14	Z	828	CLA	MG-NC	2.54	2.12	2.06
14	H	812	CLA	C1D-ND	-2.54	1.34	1.37
14	B	831	CLA	MG-NC	2.54	2.12	2.06
14	G	815	CLA	C4D-CHA	2.54	1.47	1.38
14	B	814	CLA	MG-ND	-2.54	2.00	2.05
14	G	810	CLA	C1C-NC	-2.54	1.33	1.37
14	G	813	CLA	C1C-NC	-2.54	1.33	1.37
14	h	206	CLA	C1B-C2B	2.54	1.49	1.43
14	G	842	CLA	C1B-NB	-2.54	1.34	1.37
14	G	832	CLA	MG-ND	-2.54	2.00	2.05
14	Z	822	CLA	C4D-CHA	2.54	1.47	1.38
14	G	815	CLA	MG-ND	-2.54	2.00	2.05
14	G	826	CLA	MG-ND	-2.54	2.00	2.05
14	Y	824	CLA	MG-ND	-2.54	2.00	2.05
14	Y	826	CLA	C4D-CHA	2.54	1.47	1.38
14	A	839	CLA	C1D-ND	-2.54	1.34	1.37
14	Z	839	CLA	MG-ND	-2.54	2.00	2.05
14	A	811	CLA	MG-NC	2.54	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CLA	MG-ND	-2.54	2.00	2.05
14	K	103	CLA	MG-NC	2.54	2.12	2.06
14	A	810	CLA	C1B-NB	-2.53	1.34	1.37
14	B	802	CLA	MG-ND	-2.53	2.00	2.05
14	Y	839	CLA	MG-ND	-2.53	2.00	2.05
14	B	804	CLA	C1D-ND	-2.53	1.34	1.37
14	A	807	CLA	MG-NC	2.53	2.12	2.06
14	H	815	CLA	MG-NC	2.53	2.12	2.06
14	B	812	CLA	C3D-C2D	2.53	1.45	1.39
14	A	810	CLA	C3B-C4B	2.53	1.50	1.42
14	A	819	CLA	C4B-NB	-2.53	1.34	1.37
14	Y	833	CLA	C4D-CHA	2.53	1.47	1.38
14	B	840	CLA	C1B-C2B	2.53	1.49	1.43
14	Z	833	CLA	C1C-NC	-2.53	1.33	1.37
14	A	808	CLA	C1D-C2D	2.53	1.50	1.45
14	U	1003	CLA	C1D-C2D	2.53	1.50	1.45
14	U	1002	CLA	C1D-ND	-2.53	1.34	1.37
14	G	825	CLA	C1C-NC	-2.53	1.33	1.37
14	A	825	CLA	MG-ND	-2.53	2.00	2.05
14	G	814	CLA	MG-ND	-2.53	2.00	2.05
14	Y	830	CLA	MG-NC	2.53	2.12	2.06
14	U	1003	CLA	C1B-C2B	2.53	1.49	1.43
14	H	815	CLA	C1C-NC	-2.53	1.33	1.37
14	B	810	CLA	C1D-C2D	2.53	1.50	1.45
14	B	829	CLA	C1B-NB	-2.53	1.34	1.37
14	Z	807	CLA	C1B-C2B	2.53	1.49	1.43
14	Y	819	CLA	C4B-NB	-2.53	1.34	1.37
14	L	202	CLA	MG-ND	-2.53	2.00	2.05
14	Y	820	CLA	C1D-C2D	2.53	1.50	1.45
14	A	841	CLA	C4C-C3C	2.53	1.49	1.45
14	Y	839	CLA	C4C-C3C	2.53	1.49	1.45
14	Z	803	CLA	MG-NC	2.53	2.12	2.06
14	G	812	CLA	MG-ND	-2.53	2.00	2.05
14	A	842	CLA	MG-ND	-2.52	2.00	2.05
14	G	826	CLA	C4B-NB	-2.52	1.34	1.37
14	A	826	CLA	C3D-C2D	2.52	1.45	1.39
14	Y	839	CLA	C1C-C2C	2.52	1.49	1.44
14	Y	855	CLA	C1C-NC	-2.52	1.33	1.37
14	H	824	CLA	C3B-C4B	2.52	1.50	1.42
14	H	835	CLA	C1D-ND	-2.52	1.34	1.37
14	G	823	CLA	C1C-NC	-2.52	1.33	1.37
14	H	833	CLA	MG-ND	-2.52	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	839	CLA	C4C-C3C	2.52	1.49	1.45
14	H	812	CLA	C4D-CHA	2.52	1.47	1.38
14	A	806	CLA	C1B-C2B	2.52	1.49	1.43
14	Z	820	CLA	C1B-C2B	2.52	1.49	1.43
14	Z	839	CLA	C1B-C2B	2.52	1.49	1.43
14	B	818	CLA	C1B-C2B	2.52	1.49	1.43
14	Z	809	CLA	C3B-C4B	2.52	1.50	1.42
14	G	821	CLA	C1B-C2B	2.52	1.49	1.43
14	Y	817	CLA	C4B-NB	-2.52	1.34	1.37
14	H	810	CLA	MG-NC	2.52	2.12	2.06
14	g	102	CLA	C4B-NB	-2.52	1.34	1.37
14	h	201	CLA	C1B-C2B	2.52	1.49	1.43
14	f	101	CLA	C1D-C2D	2.52	1.50	1.45
14	G	820	CLA	C4C-C3C	2.52	1.49	1.45
14	T	103	CLA	MG-ND	-2.51	2.00	2.05
14	H	810	CLA	C1D-ND	-2.51	1.34	1.37
14	Y	834	CLA	C1D-ND	-2.51	1.34	1.37
14	Z	816	CLA	C1C-NC	-2.51	1.33	1.37
14	A	827	CLA	MG-NC	2.51	2.12	2.06
14	Y	829	CLA	C4B-NB	-2.51	1.34	1.37
14	Z	837	CLA	C4D-CHA	2.51	1.47	1.38
14	L	205	CLA	C1B-C2B	2.51	1.49	1.43
14	G	843	CLA	MG-NC	2.51	2.12	2.06
14	K	103	CLA	C4B-NB	-2.51	1.34	1.37
14	W	1701	CLA	MG-NC	2.51	2.12	2.06
14	h	206	CLA	C4B-NB	-2.51	1.34	1.37
14	B	827	CLA	C1D-ND	-2.51	1.34	1.37
14	Y	818	CLA	C3B-C4B	2.51	1.50	1.42
14	B	824	CLA	C1C-NC	-2.51	1.33	1.37
14	A	840	CLA	C1D-ND	-2.51	1.34	1.37
14	G	841	CLA	C1B-NB	-2.51	1.34	1.37
14	G	809	CLA	C1D-C2D	2.51	1.50	1.45
14	Y	805	CLA	MG-ND	-2.51	2.00	2.05
14	G	815	CLA	C1D-C2D	2.51	1.50	1.45
14	B	828	CLA	MG-NC	2.51	2.12	2.06
14	L	207	CLA	C3B-C4B	2.51	1.50	1.42
14	G	827	CLA	C1B-C2B	2.51	1.49	1.43
14	A	830	CLA	C4D-CHA	2.51	1.47	1.38
14	W	1701	CLA	C1C-NC	-2.51	1.34	1.37
14	A	812	CLA	C4D-CHA	2.51	1.47	1.38
14	G	843	CLA	C4C-C3C	2.51	1.49	1.45
14	L	205	CLA	C4B-NB	-2.51	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	811	CLA	C1B-NB	-2.51	1.34	1.37
14	G	832	CLA	MG-NC	2.51	2.12	2.06
14	B	823	CLA	C4C-C3C	2.51	1.49	1.45
14	G	830	CLA	C1B-C2B	2.50	1.49	1.43
14	A	825	CLA	C1D-C2D	2.50	1.50	1.45
14	B	828	CLA	C4C-C3C	2.50	1.49	1.45
14	A	842	CLA	C3D-C2D	2.50	1.45	1.39
14	d	201	CLA	C1C-NC	-2.50	1.34	1.37
14	Y	824	CLA	C1B-NB	-2.50	1.34	1.37
14	B	808	CLA	C4D-CHA	2.50	1.47	1.38
14	H	828	CLA	C1B-C2B	2.50	1.49	1.43
14	Z	839	CLA	MG-NC	2.50	2.12	2.06
14	B	820	CLA	C1C-NC	-2.50	1.34	1.37
14	B	823	CLA	C1C-NC	-2.50	1.34	1.37
14	B	812	CLA	C4C-C3C	2.50	1.49	1.45
14	B	830	CLA	C4B-NB	-2.50	1.34	1.37
14	H	824	CLA	C1C-C2C	2.50	1.49	1.44
14	G	813	CLA	C1D-C2D	2.50	1.50	1.45
14	G	806	CLA	C1B-NB	-2.50	1.34	1.37
14	A	827	CLA	C1D-C2D	2.50	1.50	1.45
14	A	819	CLA	C1D-ND	-2.50	1.34	1.37
14	Y	836	CLA	C1B-NB	-2.50	1.34	1.37
14	Y	819	CLA	MG-NC	2.50	2.12	2.06
14	H	809	CLA	C4B-NB	-2.50	1.34	1.37
14	Y	841	CLA	C1B-NB	-2.50	1.34	1.37
14	G	839	CLA	C1C-NC	-2.50	1.34	1.37
14	Y	842	CLA	C4D-CHA	2.50	1.47	1.38
14	B	828	CLA	C1D-C2D	2.50	1.50	1.45
14	H	811	CLA	C1D-ND	-2.49	1.34	1.37
14	Z	823	CLA	C1D-C2D	2.49	1.50	1.45
14	Y	821	CLA	C1B-C2B	2.49	1.49	1.43
14	Y	821	CLA	C3B-C4B	2.49	1.50	1.42
14	H	820	CLA	C1B-C2B	2.49	1.49	1.43
14	B	830	CLA	C1C-NC	-2.49	1.34	1.37
14	B	816	CLA	C4B-NB	-2.49	1.34	1.37
14	B	838	CLA	C1D-ND	-2.49	1.34	1.37
14	G	824	CLA	C4D-CHA	2.49	1.46	1.38
14	Y	827	CLA	C4B-NB	-2.49	1.34	1.37
14	G	831	CLA	C3D-C2D	2.49	1.45	1.39
14	Z	814	CLA	C4C-C3C	2.49	1.49	1.45
14	G	838	CLA	C3D-C2D	2.49	1.45	1.39
14	A	822	CLA	MG-NC	2.49	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	836	CLA	MG-NC	2.49	2.12	2.06
14	Z	820	CLA	C4C-C3C	2.49	1.49	1.45
14	A	827	CLA	C3D-C2D	2.49	1.45	1.39
14	L	201	CLA	C1C-NC	-2.49	1.34	1.37
14	A	812	CLA	C3B-C4B	2.49	1.50	1.42
14	G	814	CLA	C3B-C4B	2.49	1.50	1.42
14	B	827	CLA	C1B-C2B	2.49	1.49	1.43
14	H	802	CLA	C4D-CHA	2.49	1.46	1.38
14	H	809	CLA	C1C-NC	-2.49	1.34	1.37
14	Y	840	CLA	C1D-C2D	2.49	1.50	1.45
14	A	825	CLA	C1B-C2B	2.49	1.49	1.43
14	H	819	CLA	MG-NC	2.49	2.12	2.06
14	H	834	CLA	C1D-ND	-2.49	1.34	1.37
14	B	836	CLA	C1C-C2C	2.49	1.49	1.44
14	G	813	CLA	C3D-C2D	2.49	1.45	1.39
14	H	833	CLA	C4D-CHA	2.49	1.46	1.38
14	B	816	CLA	C1D-C2D	2.49	1.50	1.45
14	B	809	CLA	C3D-C2D	2.49	1.45	1.39
14	A	832	CLA	C1B-NB	-2.48	1.34	1.37
14	Y	807	CLA	C4B-NB	-2.48	1.34	1.37
14	K	101	CLA	C1D-C2D	2.48	1.50	1.45
14	Z	825	CLA	C4B-NB	-2.48	1.34	1.37
14	Y	828	CLA	C3B-C4B	2.48	1.50	1.42
14	A	813	CLA	C1D-C2D	2.48	1.50	1.45
14	A	825	CLA	C1C-NC	-2.48	1.34	1.37
14	Z	819	CLA	C1B-C2B	2.48	1.49	1.43
14	H	830	CLA	MG-ND	-2.48	2.00	2.05
14	Y	829	CLA	C1B-C2B	2.48	1.49	1.43
14	G	823	CLA	C1B-NB	-2.48	1.34	1.37
14	A	842	CLA	MG-NC	2.48	2.12	2.06
14	Q	203	CLA	C1D-C2D	2.48	1.50	1.45
14	Y	818	CLA	C1C-NC	-2.48	1.34	1.37
14	B	840	CLA	C4C-C3C	2.48	1.49	1.45
14	Z	835	CLA	MG-NC	2.48	2.12	2.06
14	H	821	CLA	C1B-NB	-2.48	1.34	1.37
14	Y	822	CLA	C1B-NB	-2.48	1.34	1.37
14	B	824	CLA	C4D-CHA	2.48	1.46	1.38
14	G	827	CLA	OBD-CAD	2.48	1.26	1.22
14	G	830	CLA	MG-NC	2.48	2.12	2.06
14	B	818	CLA	C4B-NB	-2.48	1.34	1.37
14	A	802	CLA	C1C-NC	-2.48	1.34	1.37
14	Z	835	CLA	C1C-NC	-2.48	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	809	CLA	MG-NC	2.48	2.12	2.06
14	A	812	CLA	C1C-NC	-2.48	1.34	1.37
14	H	811	CLA	C1C-NC	-2.48	1.34	1.37
14	B	838	CLA	C1D-C2D	2.48	1.50	1.45
14	H	835	CLA	C1D-C2D	2.48	1.50	1.45
14	G	832	CLA	C1B-NB	-2.48	1.34	1.37
14	Z	812	CLA	C1D-ND	-2.48	1.34	1.37
14	g	102	CLA	C1D-C2D	2.48	1.50	1.45
14	G	828	CLA	C3B-C4B	2.47	1.49	1.42
14	Z	814	CLA	C1B-NB	-2.47	1.34	1.37
14	Z	816	CLA	MG-ND	-2.47	2.00	2.05
14	Y	818	CLA	MG-NC	2.47	2.12	2.06
14	A	829	CLA	MG-NC	2.47	2.12	2.06
14	h	207	CLA	C3B-C4B	2.47	1.49	1.42
14	H	813	CLA	C4D-CHA	2.47	1.46	1.38
14	Z	829	CLA	C3B-C4B	2.47	1.49	1.42
14	G	835	CLA	C1B-C2B	2.47	1.48	1.43
14	Z	803	CLA	C1C-NC	-2.47	1.34	1.37
14	A	833	CLA	C4D-CHA	2.47	1.46	1.38
14	H	827	CLA	C4B-NB	-2.47	1.34	1.37
14	Y	854	CLA	C4B-NB	-2.47	1.34	1.37
14	A	816	CLA	MG-ND	-2.47	2.00	2.05
14	H	801	CLA	C4B-NB	-2.47	1.34	1.37
14	Y	822	CLA	C1D-C2D	2.47	1.50	1.45
14	W	1701	CLA	C1B-C2B	2.47	1.48	1.43
14	H	805	CLA	C1D-ND	-2.47	1.34	1.37
14	Y	834	CLA	C4B-NB	-2.47	1.34	1.37
14	Y	817	CLA	C1C-NC	-2.47	1.34	1.37
14	A	839	CLA	MG-ND	-2.47	2.00	2.05
14	Z	814	CLA	C3B-C4B	2.47	1.49	1.42
14	H	837	CLA	C1C-NC	-2.47	1.34	1.37
14	f	101	CLA	C1B-NB	-2.47	1.34	1.37
14	B	823	CLA	C1D-C2D	2.46	1.50	1.45
14	Z	821	CLA	C3B-C4B	2.46	1.49	1.42
14	Y	820	CLA	C1B-NB	-2.46	1.34	1.37
14	G	828	CLA	C1B-C2B	2.46	1.48	1.43
14	Z	834	CLA	C4B-NB	-2.46	1.34	1.37
14	H	831	CLA	C4C-C3C	2.46	1.49	1.45
14	Y	843	CLA	C4C-C3C	2.46	1.49	1.45
14	G	813	CLA	MG-ND	-2.46	2.00	2.05
14	A	807	CLA	C1B-NB	-2.46	1.34	1.37
14	Z	803	CLA	C1B-NB	-2.46	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	833	CLA	C4C-C3C	2.46	1.49	1.45
14	H	802	CLA	MG-NC	2.46	2.12	2.06
14	G	814	CLA	C1D-C2D	2.46	1.50	1.45
14	A	809	CLA	C4D-CHA	2.46	1.46	1.38
14	H	809	CLA	C1B-NB	-2.46	1.34	1.37
14	Y	834	CLA	MG-NC	2.46	2.12	2.06
14	G	820	CLA	C4D-CHA	2.46	1.46	1.38
14	Y	833	CLA	C1D-C2D	2.46	1.50	1.45
14	A	815	CLA	C1B-NB	-2.46	1.34	1.37
14	G	840	CLA	C1D-C2D	2.46	1.50	1.45
14	G	804	CLA	C4D-CHA	2.46	1.46	1.38
14	B	820	CLA	C4B-NB	-2.46	1.34	1.37
14	A	824	CLA	C1B-C2B	2.46	1.48	1.43
14	G	807	CLA	MG-ND	-2.46	2.00	2.05
14	A	823	CLA	C1C-NC	-2.46	1.34	1.37
14	H	820	CLA	C1B-NB	-2.46	1.34	1.37
14	K	101	CLA	C1D-ND	-2.46	1.34	1.37
14	H	810	CLA	C3B-C4B	2.46	1.49	1.42
14	H	806	CLA	C1B-C2B	2.46	1.48	1.43
14	Y	830	CLA	C4D-CHA	2.46	1.46	1.38
14	G	809	CLA	C4D-CHA	2.45	1.46	1.38
14	B	806	CLA	C1D-C2D	2.45	1.50	1.45
14	Y	830	CLA	C3D-C2D	2.45	1.45	1.39
14	B	806	CLA	C1C-NC	-2.45	1.34	1.37
14	B	814	CLA	MG-NC	2.45	2.12	2.06
14	Y	813	CLA	C1B-C2B	2.45	1.48	1.43
14	Y	820	CLA	C4D-CHA	2.45	1.46	1.38
14	B	834	CLA	C1B-NB	-2.45	1.34	1.37
14	f	101	CLA	C1C-C2C	2.45	1.49	1.44
14	h	201	CLA	C4D-CHA	2.45	1.46	1.38
14	Y	816	CLA	C1D-C2D	2.45	1.50	1.45
14	B	823	CLA	C1D-ND	-2.45	1.34	1.37
14	H	836	CLA	C1D-C2D	2.45	1.50	1.45
14	B	827	CLA	C4D-CHA	2.45	1.46	1.38
14	G	834	CLA	C1B-C2B	2.45	1.48	1.43
14	Z	829	CLA	C1D-C2D	2.45	1.50	1.45
14	A	803	CLA	C1B-C2B	2.45	1.48	1.43
14	B	817	CLA	C4C-C3C	2.45	1.49	1.45
14	T	103	CLA	C4C-C3C	2.45	1.49	1.45
14	Y	805	CLA	C3B-C4B	2.45	1.49	1.42
14	Z	807	CLA	MG-NC	2.45	2.12	2.06
14	Z	804	CLA	C3D-C2D	2.45	1.45	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	819	CLA	C1D-C2D	2.45	1.50	1.45
14	B	816	CLA	C1D-ND	-2.45	1.34	1.37
14	B	838	CLA	C4B-NB	-2.45	1.34	1.37
14	H	821	CLA	C4B-NB	-2.45	1.34	1.37
14	Y	816	CLA	MG-ND	-2.45	2.00	2.05
14	A	806	CLA	C1D-C2D	2.45	1.50	1.45
14	B	802	CLA	C1B-C2B	2.45	1.48	1.43
14	Y	820	CLA	C1D-ND	-2.45	1.34	1.37
14	B	827	CLA	C3D-C2D	2.45	1.45	1.39
14	Y	855	CLA	C4D-CHA	2.45	1.46	1.38
14	G	816	CLA	C1D-ND	-2.45	1.34	1.37
14	B	830	CLA	C4D-CHA	2.45	1.46	1.38
14	B	832	CLA	C4D-CHA	2.45	1.46	1.38
14	A	811	CLA	C1D-C2D	2.44	1.50	1.45
14	Z	830	CLA	C4D-CHA	2.44	1.46	1.38
14	A	802	CLA	MG-ND	-2.44	2.00	2.05
14	G	807	CLA	C4C-C3C	2.44	1.49	1.45
14	L	206	CLA	C4C-C3C	2.44	1.49	1.45
14	A	834	CLA	MG-ND	-2.44	2.00	2.05
14	Y	823	CLA	C1D-ND	-2.44	1.34	1.37
14	Z	811	CLA	C1B-NB	-2.44	1.34	1.37
14	B	809	CLA	MG-NC	2.44	2.12	2.06
14	A	824	CLA	C1B-NB	-2.44	1.34	1.37
14	h	207	CLA	C1C-NC	-2.44	1.34	1.37
14	Y	810	CLA	C3B-C4B	2.44	1.49	1.42
14	A	836	CLA	MG-ND	-2.44	2.00	2.05
14	H	838	CLA	C3D-C2D	2.44	1.45	1.39
14	G	836	CLA	C1D-ND	-2.44	1.34	1.37
14	J	102	CLA	C1D-ND	-2.44	1.34	1.37
14	A	806	CLA	C1D-ND	-2.44	1.34	1.37
14	A	852	CLA	MG-ND	-2.44	2.00	2.05
14	Z	810	CLA	C1B-C2B	2.44	1.48	1.43
14	A	816	CLA	C4D-CHA	2.44	1.46	1.38
14	H	834	CLA	C1B-C2B	2.44	1.48	1.43
14	A	818	CLA	C3D-C2D	2.44	1.45	1.39
14	Y	806	CLA	C1B-C2B	2.44	1.48	1.43
14	H	836	CLA	MG-ND	-2.44	2.01	2.05
14	F	202	CLA	C1B-C2B	2.44	1.48	1.43
14	Y	828	CLA	C4B-NB	-2.44	1.34	1.37
14	G	807	CLA	C4B-NB	-2.44	1.34	1.37
14	Z	837	CLA	C1D-ND	-2.44	1.34	1.37
14	Y	824	CLA	C1D-C2D	2.44	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	835	CLA	MG-NC	2.44	2.12	2.06
14	Y	817	CLA	C1D-C2D	2.44	1.50	1.45
14	Z	814	CLA	C1D-ND	-2.44	1.34	1.37
14	B	835	CLA	C1C-NC	-2.44	1.34	1.37
14	Q	201	CLA	C1B-C2B	2.44	1.48	1.43
14	G	832	CLA	C4B-NB	-2.44	1.34	1.37
14	G	833	CLA	C1B-NB	-2.44	1.34	1.37
14	Y	842	CLA	C3B-C4B	2.44	1.49	1.42
14	A	817	CLA	C1D-C2D	2.44	1.50	1.45
14	A	830	CLA	MG-ND	-2.44	2.01	2.05
14	H	831	CLA	C3B-C4B	2.44	1.49	1.42
14	B	828	CLA	C1B-C2B	2.43	1.48	1.43
14	A	838	CLA	C1C-NC	-2.43	1.34	1.37
14	B	820	CLA	C4D-CHA	2.43	1.46	1.38
14	Z	837	CLA	C4B-NB	-2.43	1.34	1.37
14	Z	839	CLA	C4B-NB	-2.43	1.34	1.37
14	G	803	CLA	MG-ND	-2.43	2.01	2.05
14	H	803	CLA	MG-ND	-2.43	2.01	2.05
14	B	823	CLA	C4B-NB	-2.43	1.34	1.37
14	B	830	CLA	C1D-ND	-2.43	1.34	1.37
14	G	842	CLA	C4B-NB	-2.43	1.34	1.37
14	K	101	CLA	C4C-C3C	2.43	1.49	1.45
14	J	102	CLA	MG-ND	-2.43	2.01	2.05
14	Y	821	CLA	C1D-C2D	2.43	1.50	1.45
14	G	833	CLA	C1D-ND	-2.43	1.34	1.37
14	Z	828	CLA	C1B-C2B	2.43	1.48	1.43
14	H	811	CLA	C3B-C4B	2.43	1.49	1.42
14	H	829	CLA	C1D-C2D	2.43	1.50	1.45
14	G	810	CLA	MG-NC	2.43	2.12	2.06
14	Y	813	CLA	C4B-NB	-2.43	1.34	1.37
14	Z	834	CLA	C1D-C2D	2.43	1.50	1.45
14	h	205	CLA	C1D-C2D	2.43	1.50	1.45
14	B	808	CLA	C1B-C2B	2.43	1.48	1.43
14	B	821	CLA	C4B-NB	-2.43	1.34	1.37
14	Y	819	CLA	C3B-C4B	2.43	1.49	1.42
14	Z	824	CLA	MG-NC	2.43	2.12	2.06
14	Y	831	CLA	C1D-ND	-2.43	1.34	1.37
14	A	813	CLA	C4C-C3C	2.43	1.49	1.45
14	Z	801	CLA	C1B-C2B	2.43	1.48	1.43
14	Z	819	CLA	C1C-NC	-2.43	1.34	1.37
14	H	823	CLA	C1C-C2C	2.43	1.49	1.44
14	H	817	CLA	C1C-NC	-2.42	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	828	CLA	MG-NC	2.42	2.12	2.06
14	H	821	CLA	C4C-C3C	2.42	1.49	1.45
14	H	825	CLA	MG-NC	2.42	2.12	2.06
14	H	829	CLA	MG-ND	-2.42	2.01	2.05
14	H	816	CLA	C1B-C2B	2.42	1.48	1.43
14	B	835	CLA	C1B-NB	-2.42	1.34	1.37
14	G	836	CLA	C4C-C3C	2.42	1.49	1.45
14	Z	818	CLA	C1B-C2B	2.42	1.48	1.43
14	f	102	CLA	C1B-C2B	2.42	1.48	1.43
14	L	202	CLA	MG-NC	2.42	2.12	2.06
14	T	103	CLA	C1D-ND	-2.42	1.34	1.37
14	A	805	CLA	C4C-C3C	2.42	1.49	1.45
14	Z	806	CLA	C1B-NB	-2.42	1.34	1.37
14	G	837	CLA	C4C-C3C	2.42	1.49	1.45
14	H	807	CLA	C1D-ND	-2.42	1.34	1.37
14	A	837	CLA	C3D-C2D	2.42	1.45	1.39
14	Y	817	CLA	C3B-C4B	2.41	1.49	1.42
14	H	838	CLA	C1D-C2D	2.41	1.50	1.45
14	B	830	CLA	MG-NC	2.41	2.12	2.06
14	A	823	CLA	C1B-C2B	2.41	1.48	1.43
14	Y	825	CLA	C1D-C2D	2.41	1.50	1.45
14	G	836	CLA	C3D-C2D	2.41	1.45	1.39
14	H	818	CLA	C4C-C3C	2.41	1.49	1.45
14	Z	828	CLA	C1D-C2D	2.41	1.50	1.45
14	B	821	CLA	C1B-NB	-2.41	1.34	1.37
14	Z	834	CLA	C1D-ND	-2.41	1.34	1.37
14	h	206	CLA	C1C-NC	-2.41	1.34	1.37
14	A	802	CLA	C4C-C3C	2.41	1.49	1.45
14	Y	809	CLA	C1D-C2D	2.41	1.50	1.45
14	B	825	CLA	C1D-C2D	2.41	1.50	1.45
14	A	842	CLA	C1B-NB	-2.41	1.34	1.37
14	B	817	CLA	C4D-CHA	2.41	1.46	1.38
14	B	832	CLA	C4B-NB	-2.41	1.34	1.37
14	Y	814	CLA	C1C-NC	-2.41	1.34	1.37
14	Z	818	CLA	C1B-NB	-2.41	1.34	1.37
14	Y	813	CLA	MG-NC	2.41	2.12	2.06
14	G	817	CLA	C3B-C4B	2.41	1.49	1.42
14	H	816	CLA	C1C-NC	-2.41	1.34	1.37
14	A	817	CLA	C1D-ND	-2.41	1.34	1.37
14	A	832	CLA	C4B-NB	-2.41	1.34	1.37
14	B	803	CLA	C1B-C2B	2.41	1.48	1.43
14	G	804	CLA	C1D-C2D	2.41	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	813	CLA	OBD-CAD	2.40	1.26	1.22
14	Y	826	CLA	C1D-C2D	2.40	1.50	1.45
14	B	810	CLA	C1C-NC	-2.40	1.34	1.37
14	G	821	CLA	C1D-C2D	2.40	1.50	1.45
14	G	805	CLA	C4D-CHA	2.40	1.46	1.38
14	L	207	CLA	C1B-C2B	2.40	1.48	1.43
14	A	816	CLA	C1D-ND	-2.40	1.34	1.37
14	A	823	CLA	C4B-NB	-2.40	1.34	1.37
14	G	818	CLA	MG-NC	2.40	2.12	2.06
14	Z	835	CLA	C4D-CHA	2.40	1.46	1.38
14	Y	830	CLA	C1C-C2C	2.40	1.49	1.44
14	Q	203	CLA	C1D-ND	-2.40	1.34	1.37
14	B	820	CLA	C1B-C2B	2.40	1.48	1.43
14	Y	836	CLA	C1D-C2D	2.40	1.50	1.45
14	H	822	CLA	C1C-NC	-2.40	1.34	1.37
14	Z	802	CLA	C1C-NC	-2.40	1.34	1.37
14	G	853	CLA	MG-NC	2.40	2.12	2.06
14	G	819	CLA	MG-ND	-2.40	2.01	2.05
14	G	808	CLA	MG-NC	2.40	2.12	2.06
14	H	818	CLA	MG-NC	2.40	2.12	2.06
14	A	816	CLA	C4C-C3C	2.40	1.49	1.45
14	A	814	CLA	C4C-C3C	2.39	1.49	1.45
14	H	814	CLA	C1D-C2D	2.39	1.50	1.45
14	Y	825	CLA	MG-ND	-2.39	2.01	2.05
14	Z	809	CLA	C1B-NB	-2.39	1.34	1.37
14	H	817	CLA	MG-NC	2.39	2.12	2.06
14	H	818	CLA	C1B-C2B	2.39	1.48	1.43
14	Z	835	CLA	C1D-C2D	2.39	1.50	1.45
14	B	835	CLA	MG-ND	-2.39	2.01	2.05
14	J	101	CLA	C4C-C3C	2.39	1.49	1.45
14	H	833	CLA	C1D-ND	-2.39	1.34	1.37
14	U	1003	CLA	C4D-CHA	2.39	1.46	1.38
14	A	816	CLA	C3B-C4B	2.39	1.49	1.42
14	G	826	CLA	C1B-NB	-2.39	1.34	1.37
14	H	817	CLA	C1D-ND	-2.39	1.34	1.37
14	Z	832	CLA	C3B-C4B	2.39	1.49	1.42
14	Y	809	CLA	C1D-ND	-2.39	1.34	1.37
14	H	821	CLA	MG-NC	2.39	2.11	2.06
14	H	836	CLA	C1C-NC	-2.39	1.34	1.37
14	A	838	CLA	C1D-ND	-2.39	1.34	1.37
14	A	839	CLA	C1D-C2D	2.39	1.50	1.45
14	B	834	CLA	C3B-C4B	2.39	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	841	CLA	MG-NC	2.39	2.11	2.06
14	Y	821	CLA	C1C-C2C	2.38	1.49	1.44
14	H	810	CLA	C1D-C2D	2.38	1.50	1.45
14	H	831	CLA	MG-ND	-2.38	2.01	2.05
14	G	805	CLA	C1D-ND	-2.38	1.34	1.37
14	G	808	CLA	C1B-C2B	2.38	1.48	1.43
14	Z	802	CLA	C1B-C2B	2.38	1.48	1.43
14	Z	835	CLA	C1B-C2B	2.38	1.48	1.43
14	Y	828	CLA	C4D-CHA	2.38	1.46	1.38
14	B	814	CLA	C1C-NC	-2.38	1.34	1.37
14	G	818	CLA	C1C-NC	-2.38	1.34	1.37
14	B	814	CLA	C4C-C3C	2.38	1.49	1.45
14	G	810	CLA	C1B-C2B	2.38	1.48	1.43
14	B	838	CLA	C1B-NB	-2.38	1.34	1.37
14	Z	801	CLA	C3B-C4B	2.38	1.49	1.42
14	H	820	CLA	C4C-C3C	2.38	1.49	1.45
14	A	835	CLA	C4C-C3C	2.38	1.49	1.45
14	Y	803	CLA	C3B-C4B	2.38	1.49	1.42
14	Z	836	CLA	C1C-NC	-2.37	1.34	1.37
14	S	1102	CLA	C4B-NB	-2.37	1.34	1.37
14	Y	835	CLA	C1D-C2D	2.37	1.50	1.45
14	H	808	CLA	MG-NC	2.37	2.11	2.06
14	Y	813	CLA	C4C-C3C	2.37	1.49	1.45
14	B	812	CLA	MG-NC	2.37	2.11	2.06
14	A	839	CLA	C3B-C4B	2.37	1.49	1.42
14	H	824	CLA	C1B-C2B	2.37	1.48	1.43
14	Z	819	CLA	C4B-NB	-2.37	1.34	1.37
14	B	813	CLA	C1D-C2D	2.37	1.50	1.45
14	Z	825	CLA	MG-ND	-2.37	2.01	2.05
14	G	822	CLA	C1A-CHA	2.37	1.52	1.43
14	G	834	CLA	C1D-C2D	2.37	1.50	1.45
14	A	811	CLA	C1C-NC	-2.37	1.34	1.37
17	Q	204	BCR	C30-C25	-2.37	1.50	1.53
14	B	832	CLA	MG-NC	2.37	2.11	2.06
14	G	805	CLA	C1D-C2D	2.37	1.50	1.45
14	Z	839	CLA	C1B-NB	-2.37	1.34	1.37
14	G	843	CLA	C1D-C2D	2.37	1.50	1.45
14	V	1201	CLA	MG-ND	-2.37	2.01	2.05
14	B	834	CLA	C1C-NC	-2.37	1.34	1.37
14	A	822	CLA	C1A-CHA	2.37	1.52	1.43
14	A	839	CLA	C4D-CHA	2.37	1.46	1.38
14	A	834	CLA	C4C-C3C	2.37	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	V	1201	CLA	C1C-NC	-2.37	1.34	1.37
14	A	842	CLA	C1D-C2D	2.37	1.50	1.45
14	L	206	CLA	C1C-C2C	2.37	1.49	1.44
14	A	835	CLA	C1D-C2D	2.37	1.50	1.45
14	A	821	CLA	C3B-C4B	2.37	1.49	1.42
14	H	824	CLA	C1C-NC	-2.36	1.34	1.37
14	B	822	CLA	C1D-C2D	2.36	1.50	1.45
14	H	822	CLA	C1D-C2D	2.36	1.50	1.45
14	Z	820	CLA	C1C-NC	-2.36	1.34	1.37
14	G	812	CLA	C4C-C3C	2.36	1.49	1.45
14	B	821	CLA	C1D-C2D	2.36	1.50	1.45
14	A	807	CLA	C4B-NB	-2.36	1.34	1.37
14	Y	814	CLA	MG-ND	-2.36	2.01	2.05
14	G	830	CLA	OBD-CAD	2.36	1.26	1.22
14	H	838	CLA	C1D-ND	-2.36	1.34	1.37
14	d	201	CLA	C3B-C4B	2.36	1.49	1.42
17	B	848	BCR	C30-C25	-2.36	1.50	1.53
14	H	828	CLA	C1D-C2D	2.36	1.50	1.45
14	Y	803	CLA	C1B-NB	-2.36	1.34	1.37
14	B	818	CLA	C4C-C3C	2.36	1.49	1.45
14	Q	203	CLA	C1C-NC	-2.36	1.34	1.37
14	Z	826	CLA	C1C-NC	-2.36	1.34	1.37
14	G	817	CLA	C1D-C2D	2.36	1.50	1.45
14	G	834	CLA	C1C-C2C	2.36	1.49	1.44
14	Y	834	CLA	C1C-C2C	2.36	1.49	1.44
14	L	201	CLA	C1B-C2B	2.36	1.48	1.43
14	Z	821	CLA	MG-ND	-2.36	2.01	2.05
14	h	205	CLA	C1C-NC	-2.36	1.34	1.37
14	Z	813	CLA	MG-ND	-2.36	2.01	2.05
14	G	803	CLA	C1D-ND	-2.36	1.34	1.37
14	B	839	CLA	C1C-NC	-2.36	1.34	1.37
14	Y	828	CLA	C1C-NC	-2.36	1.34	1.37
14	H	823	CLA	C4D-CHA	2.36	1.46	1.38
14	H	827	CLA	C1D-C2D	2.36	1.50	1.45
14	A	829	CLA	C1D-C2D	2.36	1.50	1.45
14	H	823	CLA	C3B-C2B	2.36	1.49	1.41
14	Z	826	CLA	C1D-C2D	2.35	1.50	1.45
14	G	804	CLA	MG-ND	-2.35	2.01	2.05
14	A	806	CLA	C1B-NB	-2.35	1.34	1.37
14	B	802	CLA	C1D-C2D	2.35	1.50	1.45
14	A	807	CLA	C1D-ND	-2.35	1.34	1.37
14	Z	823	CLA	MG-NC	2.35	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	813	CLA	MG-ND	-2.35	2.01	2.05
14	Y	813	CLA	C3B-C4B	2.35	1.49	1.42
14	Y	839	CLA	C4B-NB	-2.35	1.34	1.37
14	B	812	CLA	C3B-C4B	2.35	1.49	1.42
14	Y	802	CLA	C1B-C2B	2.35	1.48	1.43
14	A	812	CLA	C1B-NB	-2.35	1.34	1.37
14	Y	831	CLA	C1C-NC	-2.35	1.34	1.37
14	A	829	CLA	C1B-C2B	2.35	1.48	1.43
14	B	803	CLA	C1C-NC	-2.35	1.34	1.37
14	Y	835	CLA	C1D-ND	-2.35	1.34	1.37
14	B	818	CLA	MG-NC	2.35	2.11	2.06
14	A	818	CLA	C1B-C2B	2.35	1.48	1.43
14	G	853	CLA	C3B-C4B	2.35	1.49	1.42
14	G	806	CLA	C3B-C4B	2.35	1.49	1.42
14	A	804	CLA	C1C-NC	-2.35	1.34	1.37
14	G	842	CLA	C1C-NC	-2.35	1.34	1.37
14	T	101	CLA	C1B-NB	-2.35	1.34	1.37
14	Y	810	CLA	C1D-C2D	2.35	1.50	1.45
14	A	815	CLA	C3D-C2D	2.35	1.45	1.39
14	A	814	CLA	C1C-NC	-2.35	1.34	1.37
14	Y	805	CLA	C1C-NC	-2.35	1.34	1.37
14	B	806	CLA	C1B-C2B	2.35	1.48	1.43
14	h	201	CLA	C1D-C2D	2.34	1.50	1.45
14	A	835	CLA	MG-ND	-2.34	2.01	2.05
14	A	815	CLA	C4D-CHA	2.34	1.46	1.38
14	G	820	CLA	MG-NC	2.34	2.11	2.06
14	A	811	CLA	MG-ND	-2.34	2.01	2.05
14	H	824	CLA	C4B-NB	-2.34	1.34	1.37
14	A	804	CLA	C1D-C2D	2.34	1.50	1.45
14	Y	818	CLA	C4C-C3C	2.34	1.49	1.45
14	j	102	CLA	C1D-C2D	2.34	1.50	1.45
13	G	801	CL0	C1C-NC	-2.34	1.34	1.37
14	B	806	CLA	C3D-C2D	2.34	1.45	1.39
14	Z	818	CLA	C1D-C2D	2.34	1.50	1.45
14	Z	838	CLA	C4B-NB	-2.34	1.34	1.37
14	H	831	CLA	C1B-C2B	2.34	1.48	1.43
14	Y	823	CLA	MG-ND	-2.34	2.01	2.05
14	B	829	CLA	MG-ND	-2.34	2.01	2.05
14	B	805	CLA	C3B-C4B	2.34	1.49	1.42
17	i	101	BCR	C23-C22	2.33	1.50	1.46
14	H	817	CLA	MG-ND	-2.33	2.01	2.05
14	f	101	CLA	MG-ND	-2.33	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	802	CLA	C1C-NC	-2.33	1.34	1.37
14	H	820	CLA	C1C-NC	-2.33	1.34	1.37
14	B	831	CLA	C4C-C3C	2.33	1.49	1.45
14	G	813	CLA	C4D-CHA	2.33	1.46	1.38
13	G	801	CL0	C4C-C3C	2.33	1.49	1.45
14	A	820	CLA	C1B-NB	-2.33	1.34	1.37
14	A	833	CLA	C3D-C2D	2.33	1.45	1.39
14	B	802	CLA	C1C-NC	-2.33	1.34	1.37
14	Z	825	CLA	C1D-C2D	2.33	1.49	1.45
14	B	833	CLA	MG-NC	2.33	2.11	2.06
14	B	820	CLA	C4C-C3C	2.33	1.49	1.45
14	H	811	CLA	C4B-NB	-2.33	1.34	1.37
14	B	839	CLA	C3B-C4B	2.33	1.49	1.42
14	Y	814	CLA	C4B-NB	-2.33	1.34	1.37
14	Z	804	CLA	C4C-C3C	2.33	1.49	1.45
14	Y	823	CLA	C1C-NC	-2.33	1.34	1.37
14	A	812	CLA	C1D-C2D	2.33	1.49	1.45
14	B	804	CLA	C4C-C3C	2.33	1.49	1.45
14	H	837	CLA	C1B-C2B	2.33	1.48	1.43
17	F	203	BCR	C1-C6	-2.33	1.50	1.53
14	G	818	CLA	C4B-NB	-2.32	1.34	1.37
14	Y	832	CLA	C1D-ND	-2.32	1.34	1.37
14	Y	837	CLA	C4B-NB	-2.32	1.34	1.37
14	A	828	CLA	C4B-NB	-2.32	1.34	1.37
14	A	807	CLA	C3B-C4B	2.32	1.49	1.42
14	H	804	CLA	C1C-NC	-2.32	1.34	1.37
14	G	837	CLA	C4B-NB	-2.32	1.34	1.37
14	G	811	CLA	MG-ND	-2.32	2.01	2.05
14	A	803	CLA	C4C-C3C	2.32	1.49	1.45
19	H	846	LMG	C43-C42	-2.32	1.33	1.50
14	G	815	CLA	C1B-NB	-2.32	1.34	1.37
14	H	819	CLA	C3B-C4B	2.32	1.49	1.42
14	H	821	CLA	MG-ND	-2.32	2.01	2.05
14	Z	839	CLA	C1C-C2C	2.32	1.49	1.44
14	A	835	CLA	C1B-C2B	2.32	1.48	1.43
14	G	842	CLA	C1B-C2B	2.32	1.48	1.43
14	A	804	CLA	C4B-NB	-2.32	1.34	1.37
14	H	808	CLA	C4B-NB	-2.32	1.34	1.37
14	Z	827	CLA	C4D-CHA	2.31	1.46	1.38
14	G	824	CLA	MG-ND	-2.31	2.01	2.05
14	B	817	CLA	C1B-NB	-2.31	1.34	1.37
14	Y	823	CLA	C4B-NB	-2.31	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	840	CLA	C1C-C2C	2.31	1.49	1.44
14	G	806	CLA	C1D-C2D	2.31	1.49	1.45
14	G	833	CLA	MG-ND	-2.31	2.01	2.05
14	S	1103	CLA	C1C-NC	-2.31	1.34	1.37
14	S	1102	CLA	C1D-ND	-2.31	1.34	1.37
14	Z	837	CLA	C1B-NB	-2.31	1.34	1.37
14	G	805	CLA	MG-NC	2.31	2.11	2.06
14	Z	834	CLA	MG-ND	-2.31	2.01	2.05
14	Y	823	CLA	C1D-C2D	2.31	1.49	1.45
14	Z	806	CLA	C4D-CHA	2.31	1.46	1.38
14	G	819	CLA	C4B-NB	-2.31	1.34	1.37
14	Y	824	CLA	C3B-C4B	2.31	1.49	1.42
14	H	836	CLA	C1C-C2C	2.31	1.49	1.44
14	X	1701	CLA	C1C-NC	-2.31	1.34	1.37
14	Z	828	CLA	C1C-NC	-2.31	1.34	1.37
14	A	820	CLA	C1D-C2D	2.31	1.49	1.45
14	H	805	CLA	MG-ND	-2.31	2.01	2.05
14	H	833	CLA	C1B-C2B	2.31	1.48	1.43
14	Y	812	CLA	C1D-C2D	2.31	1.49	1.45
14	G	812	CLA	C1B-NB	-2.31	1.34	1.37
14	S	1103	CLA	C4B-NB	-2.31	1.34	1.37
14	Y	835	CLA	MG-ND	-2.31	2.01	2.05
14	A	834	CLA	C1D-C2D	2.31	1.49	1.45
14	Q	201	CLA	C4B-NB	-2.30	1.34	1.37
14	Y	816	CLA	C1B-NB	-2.30	1.34	1.37
14	B	812	CLA	C4B-NB	-2.30	1.34	1.37
14	G	817	CLA	C1B-NB	-2.30	1.34	1.37
14	Y	817	CLA	C4C-C3C	2.30	1.48	1.45
14	Z	832	CLA	C1D-C2D	2.30	1.49	1.45
14	Z	805	CLA	C4C-C3C	2.30	1.48	1.45
14	Z	815	CLA	C3B-C4B	2.30	1.49	1.42
14	Y	824	CLA	C4C-C3C	2.30	1.48	1.45
14	f	101	CLA	C1D-ND	-2.30	1.34	1.37
14	A	826	CLA	C1C-C2C	2.30	1.49	1.44
14	Z	829	CLA	C1C-NC	-2.30	1.34	1.37
14	H	836	CLA	C3B-C4B	2.30	1.49	1.42
14	A	819	CLA	MG-NC	2.30	2.11	2.06
14	G	840	CLA	C1B-C2B	2.30	1.48	1.43
14	H	801	CLA	C1C-NC	-2.30	1.34	1.37
14	X	1701	CLA	C1C-C2C	2.30	1.49	1.44
14	Z	839	CLA	C1C-NC	-2.30	1.34	1.37
14	Y	831	CLA	C1D-C2D	2.30	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	837	CLA	C1C-C2C	2.30	1.49	1.44
14	A	818	CLA	C4D-CHA	2.30	1.46	1.38
19	Z	847	LMG	C43-C42	-2.30	1.34	1.50
14	A	824	CLA	C1C-NC	-2.30	1.34	1.37
14	Z	806	CLA	MG-ND	-2.30	2.01	2.05
14	H	816	CLA	C4B-NB	-2.30	1.34	1.37
14	A	820	CLA	C4D-CHA	2.30	1.46	1.38
14	H	831	CLA	C1C-NC	-2.29	1.34	1.37
14	Y	815	CLA	MG-ND	-2.29	2.01	2.05
14	j	102	CLA	C4B-NB	-2.29	1.34	1.37
14	f	101	CLA	C1C-NC	-2.29	1.34	1.37
14	S	1103	CLA	C1D-C2D	2.29	1.49	1.45
14	Y	837	CLA	C1D-C2D	2.29	1.49	1.45
14	Z	813	CLA	C1D-ND	-2.29	1.34	1.37
14	f	101	CLA	C4C-C3C	2.29	1.48	1.45
14	Z	818	CLA	C3B-C4B	2.29	1.49	1.42
14	G	815	CLA	C3D-C2D	2.29	1.45	1.39
14	f	102	CLA	C4B-NB	-2.29	1.34	1.37
14	U	1002	CLA	C1C-C2C	2.29	1.49	1.44
14	L	201	CLA	C4D-CHA	2.29	1.46	1.38
14	B	809	CLA	C1B-C2B	2.29	1.48	1.43
14	Y	837	CLA	MG-NC	2.29	2.11	2.06
14	A	834	CLA	C1B-C2B	2.29	1.48	1.43
14	Z	830	CLA	MG-ND	-2.29	2.01	2.05
14	Y	831	CLA	C1B-C2B	2.28	1.48	1.43
14	S	1102	CLA	C1B-NB	-2.28	1.34	1.37
14	Z	811	CLA	C1C-NC	-2.28	1.34	1.37
14	A	809	CLA	C4B-NB	-2.28	1.34	1.37
14	B	820	CLA	C3B-C4B	2.28	1.49	1.42
14	B	822	CLA	C3B-C4B	2.28	1.49	1.42
14	H	830	CLA	C1B-C2B	2.28	1.48	1.43
14	Z	806	CLA	C1D-C2D	2.28	1.49	1.45
14	g	101	CLA	C1D-C2D	2.28	1.49	1.45
14	A	819	CLA	C1B-C2B	2.28	1.48	1.43
14	Z	824	CLA	C3B-C4B	2.28	1.49	1.42
14	G	824	CLA	C1D-C2D	2.28	1.49	1.45
14	G	853	CLA	C4C-C3C	2.28	1.48	1.45
14	B	839	CLA	MG-ND	-2.28	2.01	2.05
14	G	853	CLA	MG-ND	-2.28	2.01	2.05
14	H	807	CLA	MG-ND	-2.28	2.01	2.05
14	Y	811	CLA	MG-ND	-2.28	2.01	2.05
14	Y	802	CLA	MG-NC	2.28	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	829	CLA	C1B-NB	-2.28	1.34	1.37
14	A	815	CLA	MG-ND	-2.28	2.01	2.05
14	H	838	CLA	C3B-C4B	2.28	1.49	1.42
14	G	829	CLA	MG-ND	-2.28	2.01	2.05
14	Z	809	CLA	MG-ND	-2.28	2.01	2.05
14	B	803	CLA	C1D-C2D	2.28	1.49	1.45
14	B	841	CLA	C4B-NB	-2.28	1.34	1.37
14	Y	804	CLA	C4C-C3C	2.28	1.48	1.45
14	Y	816	CLA	C3B-C4B	2.27	1.49	1.42
14	G	853	CLA	C1D-ND	-2.27	1.34	1.37
14	j	102	CLA	C3B-C4B	2.27	1.49	1.42
14	S	1103	CLA	MG-ND	-2.27	2.01	2.05
14	B	834	CLA	C3B-C2B	2.27	1.48	1.41
14	G	841	CLA	C1C-C2C	2.27	1.49	1.44
14	A	811	CLA	C4B-NB	-2.27	1.34	1.37
14	A	841	CLA	C1C-NC	-2.27	1.34	1.37
14	G	826	CLA	C1C-NC	-2.27	1.34	1.37
14	Z	814	CLA	C1C-NC	-2.27	1.34	1.37
14	G	838	CLA	C4C-C3C	2.27	1.48	1.45
14	Z	810	CLA	MG-ND	-2.27	2.01	2.05
14	B	813	CLA	MG-NC	2.27	2.11	2.06
14	Z	812	CLA	C4B-NB	-2.27	1.34	1.37
14	H	830	CLA	C1C-NC	-2.27	1.34	1.37
14	A	836	CLA	C1B-C2B	2.27	1.48	1.43
14	H	811	CLA	C1D-C2D	2.27	1.49	1.45
14	Y	809	CLA	C4B-NB	-2.27	1.34	1.37
14	A	840	CLA	C4C-C3C	2.27	1.48	1.45
14	B	821	CLA	C4C-C3C	2.27	1.48	1.45
14	Y	841	CLA	C3B-C4B	2.27	1.49	1.42
14	G	806	CLA	MG-ND	-2.26	2.01	2.05
14	B	806	CLA	MG-NC	2.26	2.11	2.06
14	H	824	CLA	MG-NC	2.26	2.11	2.06
14	G	823	CLA	MG-ND	-2.26	2.01	2.05
14	H	812	CLA	C1C-NC	-2.26	1.34	1.37
14	B	838	CLA	MG-NC	2.26	2.11	2.06
14	B	833	CLA	C1B-NB	-2.26	1.34	1.37
14	G	805	CLA	C3B-C4B	2.26	1.49	1.42
14	Z	830	CLA	MG-NC	2.26	2.11	2.06
14	A	804	CLA	MG-ND	-2.26	2.01	2.05
17	Y	856	BCR	C30-C25	-2.26	1.50	1.53
14	J	101	CLA	C1B-NB	-2.26	1.34	1.37
14	Y	839	CLA	C1C-NC	-2.26	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	834	CLA	C3B-C4B	2.26	1.49	1.42
14	G	804	CLA	MG-NC	2.26	2.11	2.06
14	B	833	CLA	C4C-C3C	2.26	1.48	1.45
14	Z	835	CLA	C4C-C3C	2.26	1.48	1.45
14	H	812	CLA	MG-ND	-2.26	2.01	2.05
14	B	835	CLA	C3B-C4B	2.26	1.49	1.42
14	H	827	CLA	MG-NC	2.26	2.11	2.06
14	Y	816	CLA	C1C-NC	-2.26	1.34	1.37
14	G	813	CLA	C3B-C4B	2.26	1.49	1.42
14	H	812	CLA	C1D-C2D	2.26	1.49	1.45
14	S	1102	CLA	C1C-NC	-2.26	1.34	1.37
14	G	853	CLA	C4B-NB	-2.26	1.34	1.37
14	H	814	CLA	C1D-ND	-2.26	1.34	1.37
14	B	834	CLA	C1D-C2D	2.26	1.49	1.45
14	A	820	CLA	C4B-NB	-2.25	1.34	1.37
14	A	838	CLA	C1D-C2D	2.25	1.49	1.45
14	H	814	CLA	C1A-CHA	2.25	1.52	1.43
14	H	816	CLA	C3B-C4B	2.25	1.49	1.42
14	A	807	CLA	MG-ND	-2.25	2.01	2.05
14	Y	815	CLA	C1C-NC	-2.25	1.34	1.37
14	Y	807	CLA	C4C-C3C	2.25	1.48	1.45
14	B	840	CLA	MG-ND	-2.25	2.01	2.05
14	A	837	CLA	C3B-C4B	2.25	1.49	1.42
14	K	101	CLA	MG-ND	-2.25	2.01	2.05
14	G	818	CLA	C3B-C4B	2.25	1.49	1.42
14	A	822	CLA	C4C-C3C	2.25	1.48	1.45
14	Z	803	CLA	C4C-C3C	2.25	1.48	1.45
14	Y	831	CLA	MG-NC	2.25	2.11	2.06
14	Y	827	CLA	C1D-ND	-2.25	1.34	1.37
14	Y	833	CLA	C1B-NB	-2.25	1.34	1.37
14	Z	832	CLA	MG-ND	-2.25	2.01	2.05
14	H	809	CLA	C4D-CHA	2.24	1.46	1.38
14	A	817	CLA	C4B-NB	-2.24	1.34	1.37
14	G	824	CLA	C4B-NB	-2.24	1.34	1.37
14	G	842	CLA	MG-ND	-2.24	2.01	2.05
14	G	804	CLA	C3B-C4B	2.24	1.49	1.42
14	A	810	CLA	C1C-NC	-2.24	1.34	1.37
14	G	803	CLA	C1C-NC	-2.24	1.34	1.37
14	A	823	CLA	C1D-ND	-2.24	1.34	1.37
14	Y	807	CLA	C1C-NC	-2.24	1.34	1.37
14	A	811	CLA	C4C-C3C	2.24	1.48	1.45
14	Y	815	CLA	C3B-C4B	2.24	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	810	CLA	C3B-C4B	2.24	1.49	1.42
14	A	817	CLA	C1B-NB	-2.24	1.34	1.37
14	H	821	CLA	C3B-C4B	2.24	1.49	1.42
14	H	803	CLA	C1D-C2D	2.24	1.49	1.45
14	Y	819	CLA	C1A-CHA	2.24	1.52	1.43
14	B	824	CLA	C4B-NB	-2.24	1.34	1.37
14	B	805	CLA	C1A-CHA	2.24	1.52	1.43
14	Y	841	CLA	C1C-NC	-2.24	1.34	1.37
14	Y	805	CLA	C4D-CHA	2.24	1.46	1.38
14	B	814	CLA	C3B-C4B	2.24	1.49	1.42
14	H	834	CLA	C3B-C4B	2.24	1.49	1.42
14	H	807	CLA	C1D-C2D	2.24	1.49	1.45
13	A	801	CL0	C1C-C2C	2.24	1.49	1.44
14	H	803	CLA	MG-NC	2.24	2.11	2.06
14	A	818	CLA	C1C-NC	-2.24	1.34	1.37
14	G	806	CLA	C4B-NB	-2.24	1.34	1.37
14	Y	820	CLA	C4C-C3C	2.24	1.48	1.45
14	Y	818	CLA	C1B-C2B	2.24	1.48	1.43
14	A	828	CLA	C1C-NC	-2.24	1.34	1.37
14	A	808	CLA	C1D-ND	-2.24	1.34	1.37
14	G	802	CLA	C1B-C2B	2.23	1.48	1.43
14	Y	807	CLA	C1C-C2C	2.23	1.49	1.44
14	G	820	CLA	C1D-C2D	2.23	1.49	1.45
14	Y	816	CLA	C1D-ND	-2.23	1.34	1.37
14	Z	819	CLA	MG-NC	2.23	2.11	2.06
14	A	820	CLA	C1C-C2C	2.23	1.49	1.44
14	G	821	CLA	C3B-C4B	2.23	1.49	1.42
14	h	205	CLA	C1B-C2B	2.23	1.48	1.43
14	A	826	CLA	C4C-C3C	2.23	1.48	1.45
14	Z	838	CLA	C3B-C4B	2.23	1.49	1.42
14	G	821	CLA	C4C-C3C	2.23	1.48	1.45
14	G	812	CLA	C3B-C4B	2.23	1.49	1.42
14	H	816	CLA	C1A-CHA	2.23	1.52	1.43
14	B	826	CLA	MG-NC	2.23	2.11	2.06
14	g	101	CLA	C1B-NB	-2.23	1.34	1.37
14	V	1201	CLA	C3B-C4B	2.22	1.49	1.42
14	A	830	CLA	C4B-NB	-2.22	1.34	1.37
14	B	833	CLA	C1D-C2D	2.22	1.49	1.45
14	B	827	CLA	MG-NC	2.22	2.11	2.06
14	A	803	CLA	C1D-C2D	2.22	1.49	1.45
14	Z	805	CLA	C1D-C2D	2.22	1.49	1.45
14	Y	832	CLA	C1D-C2D	2.22	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	815	CLA	C4B-NB	-2.22	1.34	1.37
14	B	830	CLA	C4C-C3C	2.22	1.48	1.45
14	A	827	CLA	C1C-NC	-2.22	1.34	1.37
14	G	816	CLA	MG-ND	-2.22	2.01	2.05
14	B	817	CLA	C1C-NC	-2.22	1.34	1.37
14	H	837	CLA	C1D-C2D	2.22	1.49	1.45
14	L	202	CLA	C1D-C2D	2.22	1.49	1.45
14	L	205	CLA	C3B-C4B	2.22	1.49	1.42
14	H	813	CLA	C1C-NC	-2.22	1.34	1.37
14	Z	821	CLA	C1D-C2D	2.22	1.49	1.45
14	H	810	CLA	C1C-NC	-2.22	1.34	1.37
14	Z	817	CLA	C1B-C2B	2.22	1.48	1.43
14	A	808	CLA	MG-ND	-2.21	2.01	2.05
14	B	835	CLA	C4C-C3C	2.21	1.48	1.45
14	A	838	CLA	C4B-NB	-2.21	1.35	1.37
14	G	813	CLA	C1B-NB	-2.21	1.35	1.37
14	G	818	CLA	OBD-CAD	2.21	1.26	1.22
14	H	834	CLA	MG-ND	-2.21	2.01	2.05
14	Z	803	CLA	MG-ND	-2.21	2.01	2.05
14	A	802	CLA	C1D-ND	-2.21	1.35	1.37
17	Z	845	BCR	C19-C18	2.21	1.50	1.46
14	X	1701	CLA	C4C-C3C	2.21	1.48	1.45
14	A	835	CLA	C3B-C4B	2.21	1.49	1.42
17	h	202	BCR	C23-C22	2.21	1.50	1.46
14	G	819	CLA	C1B-C2B	2.21	1.48	1.43
14	A	806	CLA	C3B-C4B	2.21	1.49	1.42
14	f	102	CLA	MG-ND	-2.21	2.01	2.05
14	A	841	CLA	C4B-NB	-2.21	1.35	1.37
14	Y	810	CLA	C4B-NB	-2.21	1.35	1.37
14	Y	814	CLA	C1B-C2B	2.21	1.48	1.43
14	G	805	CLA	C4B-NB	-2.21	1.35	1.37
14	Y	833	CLA	C3B-C4B	2.21	1.49	1.42
14	Z	805	CLA	MG-NC	2.21	2.11	2.06
14	A	806	CLA	C1C-NC	-2.21	1.34	1.37
14	B	836	CLA	C1D-C2D	2.20	1.49	1.45
14	Z	829	CLA	MG-ND	-2.20	2.01	2.05
14	Y	826	CLA	C1C-NC	-2.20	1.34	1.37
14	G	841	CLA	C4B-NB	-2.20	1.35	1.37
14	G	814	CLA	C4C-C3C	2.20	1.48	1.45
14	Z	802	CLA	C3B-C4B	2.20	1.49	1.42
14	Y	829	CLA	C1D-C2D	2.20	1.49	1.45
14	G	811	CLA	C1C-C2C	2.20	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	819	CLA	C1D-ND	-2.20	1.35	1.37
14	A	830	CLA	C1D-C2D	2.20	1.49	1.45
14	Z	823	CLA	C4C-C3C	2.20	1.48	1.45
14	G	807	CLA	C1C-C2C	2.20	1.49	1.44
14	B	827	CLA	C4C-C3C	2.20	1.48	1.45
14	U	1006	CLA	C1D-C2D	2.20	1.49	1.45
14	f	102	CLA	C4C-C3C	2.20	1.48	1.45
14	A	814	CLA	MG-ND	-2.20	2.01	2.05
14	Z	838	CLA	C1C-C2C	2.20	1.49	1.44
14	G	815	CLA	MG-NC	2.20	2.11	2.06
14	B	807	CLA	C1D-C2D	2.19	1.49	1.45
14	Z	817	CLA	C1D-C2D	2.19	1.49	1.45
14	A	823	CLA	C4C-C3C	2.19	1.48	1.45
14	G	839	CLA	C3B-C4B	2.19	1.49	1.42
14	A	832	CLA	C3B-C4B	2.19	1.49	1.42
14	Y	843	CLA	C1D-C2D	2.19	1.49	1.45
14	A	832	CLA	C4C-C3C	2.19	1.48	1.45
14	H	832	CLA	C1D-ND	-2.19	1.35	1.37
14	Z	808	CLA	C1B-C2B	2.19	1.48	1.43
14	Z	804	CLA	MG-NC	2.19	2.11	2.06
14	H	836	CLA	C1B-NB	-2.19	1.35	1.37
14	G	808	CLA	MG-ND	-2.19	2.01	2.05
14	Z	802	CLA	MG-ND	-2.19	2.01	2.05
14	A	822	CLA	C1D-ND	-2.19	1.35	1.37
14	W	1701	CLA	C4B-NB	-2.19	1.35	1.37
14	A	816	CLA	C1C-NC	-2.19	1.34	1.37
14	B	818	CLA	C1D-ND	-2.19	1.35	1.37
14	Z	801	CLA	MG-NC	2.19	2.11	2.06
14	X	1701	CLA	C1D-C2D	2.19	1.49	1.45
14	Z	823	CLA	C1B-C2B	2.19	1.48	1.43
14	L	201	CLA	MG-NC	2.19	2.11	2.06
14	B	805	CLA	C3D-C2D	2.19	1.45	1.39
14	B	833	CLA	C4B-NB	-2.19	1.35	1.37
14	Z	835	CLA	MG-ND	-2.19	2.01	2.05
14	Z	811	CLA	MG-NC	2.19	2.11	2.06
14	G	841	CLA	MG-NC	2.19	2.11	2.06
14	G	843	CLA	C1B-C2B	2.19	1.48	1.43
14	L	207	CLA	MG-ND	-2.19	2.01	2.05
14	Z	816	CLA	C1B-C2B	2.19	1.48	1.43
14	B	826	CLA	C3B-C4B	2.19	1.49	1.42
14	Z	837	CLA	C1C-C2C	2.18	1.49	1.44
14	G	842	CLA	C4C-C3C	2.18	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	C1D-C2D	2.18	1.49	1.45
14	Z	838	CLA	MG-ND	-2.18	2.01	2.05
14	G	829	CLA	C1B-C2B	2.18	1.48	1.43
14	Y	809	CLA	C1B-C2B	2.18	1.48	1.43
14	Z	831	CLA	C1B-C2B	2.18	1.48	1.43
14	A	824	CLA	C1D-C2D	2.18	1.49	1.45
14	B	813	CLA	MG-ND	-2.18	2.01	2.05
14	H	810	CLA	C4B-NB	-2.18	1.35	1.37
14	G	825	CLA	C1C-C2C	2.18	1.48	1.44
14	H	825	CLA	C1C-C2C	2.18	1.48	1.44
14	Y	832	CLA	C3B-C4B	2.18	1.49	1.42
14	H	829	CLA	MG-NC	2.18	2.11	2.06
14	Z	804	CLA	C1B-C2B	2.18	1.48	1.43
14	A	837	CLA	C1C-C2C	2.18	1.48	1.44
14	U	1002	CLA	MG-NC	2.18	2.11	2.06
14	B	804	CLA	C1B-C2B	2.18	1.48	1.43
14	f	102	CLA	C1C-C2C	2.18	1.48	1.44
14	L	205	CLA	C4C-C3C	2.18	1.48	1.45
14	H	808	CLA	C1D-C2D	2.18	1.49	1.45
14	T	103	CLA	C1C-C2C	2.18	1.48	1.44
14	G	809	CLA	C3B-C4B	2.18	1.49	1.42
14	d	202	CLA	C4B-NB	-2.18	1.35	1.37
14	Z	813	CLA	MG-NC	2.17	2.11	2.06
14	G	833	CLA	C1D-C2D	2.17	1.49	1.45
14	H	824	CLA	C1A-CHA	2.17	1.52	1.43
14	Z	809	CLA	C1D-ND	-2.17	1.35	1.37
14	Y	840	CLA	C4C-C3C	2.17	1.48	1.45
14	Y	814	CLA	C1D-C2D	2.17	1.49	1.45
17	Y	846	BCR	C11-C12	-2.17	1.29	1.34
14	A	829	CLA	C4C-C3C	2.17	1.48	1.45
14	Z	813	CLA	C1D-C2D	2.17	1.49	1.45
14	Z	822	CLA	C4C-C3C	2.17	1.48	1.45
14	A	828	CLA	C1C-C2C	2.17	1.48	1.44
14	Y	825	CLA	C1C-NC	-2.17	1.34	1.37
14	A	820	CLA	C1C-NC	-2.17	1.34	1.37
14	Z	812	CLA	C1B-C2B	2.17	1.48	1.43
14	Y	832	CLA	MG-ND	-2.17	2.01	2.05
14	B	829	CLA	MG-NC	2.17	2.11	2.06
14	G	813	CLA	C4C-C3C	2.17	1.48	1.45
14	A	840	CLA	MG-NC	2.16	2.11	2.06
14	B	833	CLA	C3B-C4B	2.16	1.49	1.42
14	G	853	CLA	C1B-C2B	2.16	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	833	CLA	C1B-C2B	2.16	1.48	1.43
14	B	831	CLA	C1D-C2D	2.16	1.49	1.45
14	B	839	CLA	C1D-C2D	2.16	1.49	1.45
14	Z	812	CLA	C1D-C2D	2.16	1.49	1.45
14	Z	829	CLA	C3B-C2B	2.16	1.48	1.41
14	B	811	CLA	C1C-NC	-2.16	1.34	1.37
14	B	809	CLA	MG-ND	-2.16	2.01	2.05
14	B	802	CLA	C3B-C4B	2.16	1.49	1.42
14	A	826	CLA	C4B-NB	-2.16	1.35	1.37
14	A	834	CLA	C4B-NB	-2.16	1.35	1.37
14	G	839	CLA	C4B-NB	-2.16	1.35	1.37
14	Y	834	CLA	C1B-NB	-2.16	1.35	1.37
14	B	808	CLA	C1D-C2D	2.16	1.49	1.45
14	A	814	CLA	C3B-C4B	2.16	1.49	1.42
14	A	839	CLA	C1C-NC	-2.16	1.34	1.37
14	Z	836	CLA	C4C-C3C	2.16	1.48	1.45
14	H	817	CLA	C1B-C2B	2.16	1.48	1.43
14	A	827	CLA	C1B-C2B	2.16	1.48	1.43
14	Z	825	CLA	C3B-C4B	2.16	1.49	1.42
14	G	831	CLA	C1D-C2D	2.16	1.49	1.45
14	A	830	CLA	C3B-C4B	2.16	1.49	1.42
14	Y	827	CLA	C1C-C2C	2.16	1.48	1.44
14	Y	805	CLA	MG-NC	2.15	2.11	2.06
14	G	833	CLA	C3B-C4B	2.15	1.49	1.42
14	A	836	CLA	C3B-C4B	2.15	1.49	1.42
14	H	831	CLA	C1D-ND	-2.15	1.35	1.37
14	Y	824	CLA	C4B-NB	-2.15	1.35	1.37
17	Z	845	BCR	C23-C22	2.15	1.50	1.46
14	g	101	CLA	C3B-C4B	2.15	1.49	1.42
14	G	826	CLA	C3B-C4B	2.15	1.49	1.42
14	Z	817	CLA	C3B-C4B	2.15	1.49	1.42
14	Z	819	CLA	C3B-C2B	2.15	1.48	1.41
14	B	803	CLA	C3B-C4B	2.15	1.49	1.42
14	G	831	CLA	C1B-C2B	2.15	1.48	1.43
14	Y	814	CLA	C3B-C4B	2.15	1.49	1.42
14	B	835	CLA	C1A-CHA	2.15	1.51	1.43
14	B	807	CLA	C1D-ND	-2.15	1.35	1.37
14	Y	842	CLA	C4B-NB	-2.15	1.35	1.37
14	H	821	CLA	C3B-C2B	2.15	1.48	1.41
14	Z	817	CLA	MG-NC	2.15	2.11	2.06
14	G	830	CLA	C1D-C2D	2.15	1.49	1.45
14	B	829	CLA	C1D-ND	-2.15	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	820	CLA	MG-ND	-2.15	2.01	2.05
14	B	801	CLA	C1B-C2B	2.15	1.48	1.43
14	Y	835	CLA	C1C-NC	-2.15	1.34	1.37
14	B	819	CLA	C1B-C2B	2.15	1.48	1.43
14	G	831	CLA	MG-NC	2.15	2.11	2.06
14	A	820	CLA	C4C-C3C	2.15	1.48	1.45
14	H	817	CLA	C3B-C4B	2.14	1.49	1.42
14	Y	840	CLA	C1C-C2C	2.14	1.48	1.44
14	J	102	CLA	C1C-C2C	2.14	1.48	1.44
14	Y	812	CLA	C1A-CHA	2.14	1.51	1.43
14	Y	813	CLA	C1D-C2D	2.14	1.49	1.45
14	W	1701	CLA	MG-ND	-2.14	2.01	2.05
14	S	1101	CLA	MG-ND	-2.14	2.01	2.05
14	Y	823	CLA	C3B-C4B	2.14	1.49	1.42
14	d	202	CLA	C4C-C3C	2.14	1.48	1.45
14	W	1701	CLA	C1D-ND	-2.14	1.35	1.37
14	H	820	CLA	C4B-NB	-2.14	1.35	1.37
14	h	207	CLA	C1D-ND	-2.14	1.35	1.37
14	Y	836	CLA	C1C-C2C	2.14	1.48	1.44
14	B	806	CLA	C4D-CHA	2.14	1.45	1.38
14	Y	819	CLA	C4C-C3C	2.14	1.48	1.45
14	h	206	CLA	C2A-C1A	-2.13	1.47	1.52
17	V	1202	BCR	C23-C22	2.13	1.50	1.46
14	Z	815	CLA	MG-ND	-2.13	2.01	2.05
14	H	827	CLA	C4C-C3C	2.13	1.48	1.45
14	G	836	CLA	C1C-NC	-2.13	1.34	1.37
14	A	806	CLA	C1C-C2C	2.13	1.48	1.44
14	B	825	CLA	C1A-CHA	2.13	1.51	1.43
14	U	1003	CLA	C1C-C2C	2.13	1.48	1.44
13	Y	801	CL0	C1D-C2D	2.13	1.49	1.45
14	A	815	CLA	C3B-C4B	2.13	1.48	1.42
14	Z	815	CLA	C1D-C2D	2.13	1.49	1.45
14	G	810	CLA	C1C-C2C	2.13	1.48	1.44
14	H	835	CLA	C1C-C2C	2.13	1.48	1.44
14	B	807	CLA	MG-ND	-2.13	2.01	2.05
14	S	1101	CLA	C1D-ND	-2.12	1.35	1.37
14	Y	838	CLA	C1A-CHA	2.12	1.51	1.43
14	Z	834	CLA	C1C-C2C	2.12	1.48	1.44
14	H	825	CLA	C3B-C4B	2.12	1.48	1.42
14	h	207	CLA	C1C-C2C	2.12	1.48	1.44
14	G	817	CLA	C3B-C2B	2.12	1.48	1.41
14	G	813	CLA	C1D-ND	-2.12	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	820	CLA	C1D-ND	-2.12	1.35	1.37
14	Y	802	CLA	C1D-ND	-2.12	1.35	1.37
14	H	811	CLA	MG-ND	-2.12	2.01	2.05
14	H	801	CLA	C3B-C4B	2.12	1.48	1.42
14	A	831	CLA	MG-ND	-2.12	2.01	2.05
14	Z	807	CLA	C1A-CHA	2.12	1.51	1.43
14	U	1004	CLA	C1D-C2D	2.12	1.49	1.45
14	Z	827	CLA	MG-NC	2.12	2.11	2.06
14	Z	816	CLA	C4C-C3C	2.12	1.48	1.45
14	B	831	CLA	MG-ND	-2.12	2.01	2.05
14	Z	805	CLA	C3B-C4B	2.12	1.48	1.42
17	U	1005	BCR	C30-C25	-2.12	1.51	1.53
14	Y	832	CLA	C3B-C2B	2.12	1.48	1.41
14	B	817	CLA	C4B-NB	-2.12	1.35	1.37
14	Y	812	CLA	C1B-NB	-2.12	1.35	1.37
14	Y	832	CLA	C1C-NC	-2.11	1.34	1.37
14	A	852	CLA	C4B-NB	-2.11	1.35	1.37
14	B	837	CLA	C1D-C2D	2.11	1.49	1.45
14	Y	822	CLA	C3B-C4B	2.11	1.48	1.42
14	Z	821	CLA	C1A-CHA	2.11	1.51	1.43
14	H	809	CLA	C3B-C4B	2.11	1.48	1.42
14	Y	832	CLA	C1B-NB	-2.11	1.35	1.37
14	Z	838	CLA	C1D-C2D	2.11	1.49	1.45
14	B	814	CLA	C1B-C2B	2.11	1.48	1.43
14	G	829	CLA	C1D-C2D	2.11	1.49	1.45
14	Z	833	CLA	C4B-NB	-2.11	1.35	1.37
14	T	101	CLA	C1C-NC	-2.11	1.34	1.37
14	B	819	CLA	C4C-C3C	2.11	1.48	1.45
14	Z	833	CLA	C3B-C4B	2.11	1.48	1.42
14	H	815	CLA	C3B-C4B	2.11	1.48	1.42
14	B	824	CLA	C3B-C2B	2.11	1.48	1.41
14	A	820	CLA	C3B-C4B	2.11	1.48	1.42
14	Y	854	CLA	C1C-NC	-2.11	1.34	1.37
14	B	804	CLA	MG-ND	-2.11	2.01	2.05
14	A	836	CLA	C1C-NC	-2.11	1.34	1.37
14	W	1701	CLA	C3B-C4B	2.11	1.48	1.42
14	B	834	CLA	C4C-C3C	2.11	1.48	1.45
14	G	836	CLA	MG-ND	-2.11	2.01	2.05
14	G	835	CLA	C4B-NB	-2.11	1.35	1.37
14	H	829	CLA	C1C-C2C	2.11	1.48	1.44
14	A	828	CLA	C3B-C4B	2.11	1.48	1.42
14	h	206	CLA	C3B-C4B	2.11	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	838	CLA	C4C-C3C	2.10	1.48	1.45
14	B	833	CLA	MG-ND	-2.10	2.01	2.05
14	G	834	CLA	C3B-C4B	2.10	1.48	1.42
14	A	823	CLA	C3B-C4B	2.10	1.48	1.42
14	B	829	CLA	C3B-C4B	2.10	1.48	1.42
14	A	831	CLA	C1B-C2B	2.10	1.48	1.43
14	Y	819	CLA	C1B-C2B	2.10	1.48	1.43
14	U	1004	CLA	MG-ND	-2.10	2.01	2.05
14	B	811	CLA	C1D-C2D	2.10	1.49	1.45
14	f	101	CLA	C3B-C4B	2.10	1.48	1.42
14	A	832	CLA	MG-NC	2.10	2.11	2.06
14	Y	814	CLA	C1C-C2C	2.10	1.48	1.44
14	H	820	CLA	C3B-C4B	2.10	1.48	1.42
14	W	1701	CLA	C4C-C3C	2.10	1.48	1.45
14	Y	809	CLA	C3B-C4B	2.10	1.48	1.42
14	Y	829	CLA	MG-ND	-2.10	2.01	2.05
14	H	806	CLA	C1D-C2D	2.10	1.49	1.45
14	Y	836	CLA	C1D-ND	-2.10	1.35	1.37
14	H	823	CLA	C1C-NC	-2.10	1.34	1.37
14	B	823	CLA	MG-ND	-2.10	2.01	2.05
14	B	819	CLA	C1C-C2C	2.10	1.48	1.44
14	H	819	CLA	C1C-C2C	2.10	1.48	1.44
14	Y	806	CLA	C4B-NB	-2.09	1.35	1.37
14	Y	822	CLA	C1A-CHA	2.09	1.51	1.43
14	Y	826	CLA	C1B-NB	-2.09	1.35	1.37
14	G	802	CLA	C1D-C2D	2.09	1.49	1.45
14	Z	839	CLA	C1D-C2D	2.09	1.49	1.45
14	A	817	CLA	C4C-C3C	2.09	1.48	1.45
14	A	821	CLA	C4B-NB	-2.09	1.35	1.37
14	Q	203	CLA	C4B-NB	-2.09	1.35	1.37
14	U	1003	CLA	C4B-NB	-2.09	1.35	1.37
14	A	805	CLA	C1D-C2D	2.09	1.49	1.45
14	Y	831	CLA	C4C-C3C	2.09	1.48	1.45
14	Y	807	CLA	C3B-C4B	2.09	1.48	1.42
14	A	819	CLA	C4C-C3C	2.09	1.48	1.45
14	B	811	CLA	C4B-NB	-2.09	1.35	1.37
14	A	828	CLA	C1D-C2D	2.09	1.49	1.45
14	Y	826	CLA	C3B-C4B	2.09	1.48	1.42
14	B	815	CLA	C4B-NB	-2.09	1.35	1.37
14	B	815	CLA	C3B-C4B	2.09	1.48	1.42
14	Y	828	CLA	C1D-C2D	2.08	1.49	1.45
14	Z	812	CLA	MG-ND	-2.08	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	827	CLA	C1C-C2C	2.08	1.48	1.44
14	B	837	CLA	MG-NC	2.08	2.11	2.06
14	T	101	CLA	C3B-C4B	2.08	1.48	1.42
14	Z	815	CLA	C4C-C3C	2.08	1.48	1.45
14	L	206	CLA	C4D-CHA	2.08	1.45	1.38
14	G	822	CLA	C1D-ND	-2.08	1.35	1.37
14	G	836	CLA	C3B-C4B	2.08	1.48	1.42
14	B	822	CLA	MG-NC	2.08	2.11	2.06
14	Z	803	CLA	C3B-C2B	2.08	1.48	1.41
14	A	818	CLA	C1C-C2C	2.08	1.48	1.44
14	Q	203	CLA	C3B-C4B	2.08	1.48	1.42
14	Z	832	CLA	C1C-C2C	2.08	1.48	1.44
14	H	804	CLA	C3B-C4B	2.08	1.48	1.42
14	H	814	CLA	C1B-NB	-2.08	1.35	1.37
14	Z	810	CLA	C4B-NB	-2.08	1.35	1.37
14	G	842	CLA	C1D-C2D	2.08	1.49	1.45
14	A	841	CLA	C3B-C4B	2.08	1.48	1.42
14	A	852	CLA	C1A-CHA	2.08	1.51	1.43
14	Y	818	CLA	MG-ND	-2.08	2.01	2.05
14	G	804	CLA	C1C-NC	-2.08	1.34	1.37
14	H	836	CLA	C4C-C3C	2.08	1.48	1.45
14	A	821	CLA	MG-ND	-2.08	2.01	2.05
14	G	815	CLA	C3B-C4B	2.08	1.48	1.42
14	A	804	CLA	MG-NC	2.08	2.11	2.06
14	A	808	CLA	C1B-C2B	2.08	1.48	1.43
14	Y	812	CLA	C3B-C4B	2.08	1.48	1.42
14	Y	838	CLA	C3B-C4B	2.08	1.48	1.42
14	Z	824	CLA	C1B-C2B	2.07	1.48	1.43
14	Z	827	CLA	MG-ND	-2.07	2.01	2.05
14	Y	829	CLA	C1C-NC	-2.07	1.34	1.37
14	G	838	CLA	MG-NC	2.07	2.11	2.06
14	B	815	CLA	C1D-C2D	2.07	1.49	1.45
14	G	807	CLA	C1B-NB	-2.07	1.35	1.37
14	G	821	CLA	C1C-C2C	2.07	1.48	1.44
14	B	837	CLA	C3B-C2B	2.07	1.48	1.41
14	B	827	CLA	C1D-C2D	2.07	1.49	1.45
14	Y	837	CLA	C4C-C3C	2.07	1.48	1.45
14	B	805	CLA	C1C-NC	-2.07	1.34	1.37
14	Z	828	CLA	C1C-C2C	2.07	1.48	1.44
14	A	810	CLA	C4C-C3C	2.07	1.48	1.45
14	H	827	CLA	C1A-CHA	2.07	1.51	1.43
14	G	839	CLA	C1A-CHA	2.07	1.51	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	809	CLA	C4C-C3C	2.07	1.48	1.45
14	A	827	CLA	C3B-C4B	2.06	1.48	1.42
14	U	1006	CLA	C1B-NB	-2.06	1.35	1.37
14	A	806	CLA	C4C-C3C	2.06	1.48	1.45
14	Y	832	CLA	C4B-NB	-2.06	1.35	1.37
14	H	837	CLA	C3B-C4B	2.06	1.48	1.42
14	K	101	CLA	C3B-C4B	2.06	1.48	1.42
14	H	836	CLA	C1A-CHA	2.06	1.51	1.43
14	G	834	CLA	MG-ND	-2.06	2.01	2.05
14	B	826	CLA	C4C-C3C	2.06	1.48	1.45
14	B	825	CLA	C1C-C2C	2.06	1.48	1.44
14	J	102	CLA	C3B-C4B	2.06	1.48	1.42
14	G	802	CLA	MG-NC	2.06	2.11	2.06
14	G	811	CLA	C4B-NB	-2.06	1.35	1.37
14	A	837	CLA	MG-ND	-2.06	2.01	2.05
17	G	848	BCR	C1-C6	-2.06	1.51	1.53
14	H	830	CLA	C1C-C2C	2.06	1.48	1.44
14	H	814	CLA	C3B-C4B	2.06	1.48	1.42
14	h	201	CLA	C4C-C3C	2.06	1.48	1.45
14	Y	842	CLA	MG-ND	-2.06	2.01	2.05
14	H	817	CLA	C4C-C3C	2.06	1.48	1.45
14	d	201	CLA	C4C-C3C	2.06	1.48	1.45
14	H	819	CLA	C1A-CHA	2.06	1.51	1.43
14	Z	827	CLA	C1D-C2D	2.06	1.49	1.45
14	Z	813	CLA	C1A-CHA	2.05	1.51	1.43
14	S	1103	CLA	C1C-C2C	2.05	1.48	1.44
14	B	804	CLA	MG-NC	2.05	2.11	2.06
14	Y	811	CLA	C3B-C4B	2.05	1.48	1.42
14	G	821	CLA	C4B-NB	-2.05	1.35	1.37
14	Y	807	CLA	MG-ND	-2.05	2.01	2.05
14	Y	841	CLA	C1D-C2D	2.05	1.49	1.45
14	Z	838	CLA	C1B-C2B	2.05	1.47	1.43
14	Z	829	CLA	C1D-ND	-2.05	1.35	1.37
14	Y	810	CLA	C4C-C3C	2.05	1.48	1.45
14	J	101	CLA	C1D-C2D	2.05	1.49	1.45
14	Z	837	CLA	C3B-C4B	2.05	1.48	1.42
14	Y	820	CLA	C1C-NC	-2.05	1.34	1.37
17	h	202	BCR	C19-C18	2.05	1.50	1.46
14	G	811	CLA	C1A-CHA	2.05	1.51	1.43
14	A	818	CLA	C3B-C4B	2.05	1.48	1.42
14	Y	808	CLA	C3B-C4B	2.05	1.48	1.42
14	Y	810	CLA	C1C-C2C	2.05	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	835	CLA	C3B-C4B	2.05	1.48	1.42
14	h	207	CLA	C4B-NB	-2.05	1.35	1.37
14	A	808	CLA	C1C-C2C	2.04	1.48	1.44
14	Z	826	CLA	MG-NC	2.04	2.11	2.06
14	G	839	CLA	C1D-C2D	2.04	1.49	1.45
14	A	824	CLA	C3B-C4B	2.04	1.48	1.42
14	J	101	CLA	C3B-C4B	2.04	1.48	1.42
14	Y	855	CLA	C1B-C2B	2.04	1.47	1.43
14	L	207	CLA	C1C-C2C	2.04	1.48	1.44
14	Z	834	CLA	C1A-CHA	2.04	1.51	1.43
14	G	808	CLA	C3B-C4B	2.04	1.48	1.42
14	B	836	CLA	C4B-NB	-2.04	1.35	1.37
14	d	202	CLA	C3B-C4B	2.04	1.48	1.42
14	G	839	CLA	MG-ND	-2.04	2.01	2.05
14	G	817	CLA	C1C-C2C	2.04	1.48	1.44
14	H	835	CLA	MG-ND	-2.04	2.01	2.05
14	B	817	CLA	C1D-C2D	2.04	1.49	1.45
14	G	833	CLA	C1C-NC	-2.04	1.34	1.37
14	L	207	CLA	C3B-C2B	2.04	1.48	1.41
14	G	835	CLA	C1C-C2C	2.04	1.48	1.44
14	G	810	CLA	C1D-C2D	2.04	1.49	1.45
14	A	819	CLA	C3B-C4B	2.04	1.48	1.42
14	H	814	CLA	C4C-C3C	2.04	1.48	1.45
14	h	206	CLA	C3D-C2D	2.04	1.44	1.39
14	A	839	CLA	C4C-C3C	2.04	1.48	1.45
14	G	812	CLA	C1D-C2D	2.04	1.49	1.45
14	B	805	CLA	C3B-C2B	2.04	1.48	1.41
14	A	831	CLA	C1D-C2D	2.03	1.49	1.45
14	G	843	CLA	C1C-NC	-2.03	1.34	1.37
14	A	827	CLA	C1C-C2C	2.03	1.48	1.44
14	B	814	CLA	C3B-C2B	2.03	1.48	1.41
14	Y	821	CLA	C4C-C3C	2.03	1.48	1.45
14	G	834	CLA	C1D-ND	-2.03	1.35	1.37
14	Y	811	CLA	C3B-C2B	2.03	1.48	1.41
14	A	834	CLA	C1C-NC	-2.03	1.34	1.37
14	G	843	CLA	MG-ND	-2.03	2.01	2.05
14	Y	836	CLA	C1C-NC	-2.03	1.34	1.37
14	U	1002	CLA	C1A-CHA	2.03	1.51	1.43
14	B	805	CLA	C4B-NB	-2.03	1.35	1.37
14	A	817	CLA	C1C-C2C	2.03	1.48	1.44
14	B	803	CLA	CBD-CGD	-2.03	1.46	1.52
14	B	819	CLA	C3B-C4B	2.03	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	818	CLA	C4B-NB	-2.03	1.35	1.37
14	Y	834	CLA	CHB-C4A	-2.03	1.32	1.37
14	A	807	CLA	C4C-C3C	2.03	1.48	1.45
14	A	852	CLA	C1C-NC	-2.03	1.34	1.37
14	Z	808	CLA	C4B-NB	-2.03	1.35	1.37
14	Y	855	CLA	C1C-C2C	2.02	1.48	1.44
14	H	816	CLA	C1D-C2D	2.02	1.49	1.45
15	B	842	PQN	C11-C12	2.02	1.53	1.50
14	B	816	CLA	C4C-C3C	2.02	1.48	1.45
14	Z	813	CLA	C4C-C3C	2.02	1.48	1.45
14	Y	843	CLA	C1C-C2C	2.02	1.48	1.44
14	Z	825	CLA	C1B-C2B	2.02	1.47	1.43
14	Y	826	CLA	MG-NC	2.02	2.11	2.06
14	H	808	CLA	MG-ND	-2.02	2.01	2.05
14	A	832	CLA	C3B-C2B	2.02	1.48	1.41
14	Z	834	CLA	C1C-NC	-2.02	1.34	1.37
14	G	827	CLA	C1C-NC	-2.02	1.34	1.37
14	H	826	CLA	C3B-C4B	2.02	1.48	1.42
14	h	207	CLA	C1A-CHA	2.02	1.51	1.43
14	Y	833	CLA	CBD-CGD	-2.01	1.46	1.52
14	L	201	CLA	C1C-C2C	2.01	1.48	1.44
14	A	802	CLA	C1B-C2B	2.01	1.47	1.43
14	G	829	CLA	C1A-CHA	2.01	1.51	1.43
14	G	808	CLA	C4C-C3C	2.01	1.48	1.45
14	Z	829	CLA	C1C-C2C	2.01	1.48	1.44
14	h	201	CLA	C3B-C2B	2.01	1.47	1.41
17	f	104	BCR	C30-C25	-2.01	1.51	1.53
14	Z	832	CLA	C4C-C3C	2.01	1.48	1.45
14	G	819	CLA	C3B-C2B	2.01	1.47	1.41
14	Z	828	CLA	C4B-NB	-2.01	1.35	1.37
14	Z	830	CLA	C1B-NB	-2.01	1.35	1.37
14	Z	812	CLA	C3B-C4B	2.01	1.48	1.42
14	A	840	CLA	C4B-NB	-2.01	1.35	1.37
14	G	816	CLA	C4B-NB	-2.01	1.35	1.37
14	Z	822	CLA	C1A-CHA	2.01	1.51	1.43
14	Z	811	CLA	C4C-C3C	2.01	1.48	1.45
14	Y	840	CLA	C3B-C2B	2.00	1.47	1.41
14	Y	827	CLA	C1D-C2D	2.00	1.49	1.45
14	G	804	CLA	C4B-NB	-2.00	1.35	1.37
14	Y	802	CLA	C4C-C3C	2.00	1.48	1.45
14	B	834	CLA	C1C-C2C	2.00	1.48	1.44
14	H	826	CLA	C1D-C2D	2.00	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	C1C-NC	-2.00	1.34	1.37
14	h	206	CLA	C4D-CHA	2.00	1.45	1.38
14	B	818	CLA	C3B-C2B	2.00	1.47	1.41
14	B	810	CLA	C1A-CHA	2.00	1.51	1.43
14	A	818	CLA	C1D-C2D	2.00	1.49	1.45

All (9284) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	i	101	BCR	C16-C17-C18	30.64	170.25	127.28
17	A	845	BCR	C16-C17-C18	29.81	169.09	127.28
17	G	846	BCR	C16-C17-C18	29.27	168.33	127.28
17	R	101	BCR	C16-C17-C18	28.90	167.81	127.28
17	A	849	BCR	C16-C17-C18	28.57	167.35	127.28
17	G	850	BCR	C16-C17-C18	28.52	167.27	127.28
17	Y	847	BCR	C16-C17-C18	28.48	167.22	127.28
17	f	105	BCR	C16-C17-C18	28.40	167.11	127.28
17	B	843	BCR	C16-C17-C18	28.23	166.86	127.28
17	S	1104	BCR	C16-C17-C18	28.13	166.72	127.28
17	Y	850	BCR	C16-C17-C18	28.11	166.71	127.28
17	Y	851	BCR	C16-C17-C18	28.00	166.55	127.28
17	Z	846	BCR	C16-C17-C18	27.52	165.87	127.28
17	e	101	BCR	C20-C21-C22	27.36	165.64	127.28
17	J	103	BCR	C16-C17-C18	27.32	165.59	127.28
17	B	847	BCR	C16-C17-C18	27.30	165.57	127.28
17	G	849	BCR	C16-C17-C18	27.12	165.31	127.28
17	Z	845	BCR	C16-C17-C18	27.09	165.27	127.28
17	F	203	BCR	C16-C17-C18	26.93	165.05	127.28
17	Y	846	BCR	C16-C17-C18	26.87	164.96	127.28
17	B	844	BCR	C16-C17-C18	26.86	164.95	127.28
17	I	101	BCR	C16-C17-C18	26.78	164.84	127.28
17	T	102	BCR	C16-C17-C18	26.72	164.75	127.28
17	e	101	BCR	C16-C17-C18	26.50	164.45	127.28
17	Y	848	BCR	C16-C17-C18	26.38	164.28	127.28
17	H	844	BCR	C16-C17-C18	26.29	164.15	127.28
17	Q	204	BCR	C16-C17-C18	26.26	164.11	127.28
17	U	1008	BCR	C16-C17-C18	26.09	163.87	127.28
17	U	1007	BCR	C16-C17-C18	26.01	163.76	127.28
17	H	843	BCR	C16-C17-C18	25.98	163.71	127.28
17	L	208	BCR	C16-C17-C18	25.86	163.55	127.28
17	L	209	BCR	C16-C17-C18	25.78	163.43	127.28
17	B	844	BCR	C20-C21-C22	25.75	163.39	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	M	101	BCR	C16-C17-C18	25.71	163.33	127.28
17	h	203	BCR	C16-C17-C18	25.71	163.33	127.28
17	h	202	BCR	C16-C17-C18	25.55	163.11	127.28
17	K	102	BCR	C16-C17-C18	25.55	163.11	127.28
17	Q	202	BCR	C16-C17-C18	25.46	162.99	127.28
17	Y	856	BCR	C16-C17-C18	25.46	162.98	127.28
17	H	840	BCR	C16-C17-C18	25.43	162.95	127.28
17	R	101	BCR	C20-C21-C22	25.42	162.93	127.28
17	V	1202	BCR	C16-C17-C18	25.41	162.92	127.28
17	U	1005	BCR	C16-C17-C18	25.39	162.89	127.28
17	f	103	BCR	C16-C17-C18	25.36	162.84	127.28
17	G	847	BCR	C16-C17-C18	25.32	162.78	127.28
17	Z	843	BCR	C16-C17-C18	25.32	162.78	127.28
17	A	848	BCR	C16-C17-C18	25.30	162.76	127.28
17	B	846	BCR	C16-C17-C18	25.27	162.71	127.28
17	Z	842	BCR	C16-C17-C18	25.24	162.68	127.28
17	I	101	BCR	C20-C21-C22	25.24	162.67	127.28
17	d	203	BCR	C16-C17-C18	25.22	162.65	127.28
17	F	201	BCR	C16-C17-C18	25.11	162.49	127.28
17	Z	841	BCR	C16-C17-C18	25.10	162.47	127.28
17	Y	849	BCR	C16-C17-C18	25.01	162.35	127.28
17	H	841	BCR	C16-C17-C18	24.99	162.32	127.28
17	H	848	BCR	C16-C17-C18	24.90	162.20	127.28
17	R	102	BCR	C16-C17-C18	24.70	161.91	127.28
17	B	851	BCR	C16-C17-C18	24.66	161.87	127.28
17	B	848	BCR	C16-C17-C18	24.63	161.81	127.28
17	G	848	BCR	C16-C17-C18	24.26	161.30	127.28
17	H	845	BCR	C15-C16-C17	24.24	173.11	123.52
17	J	104	BCR	C16-C17-C18	24.04	160.99	127.28
17	B	845	BCR	C16-C17-C18	23.98	160.91	127.28
17	G	854	BCR	C16-C17-C18	23.97	160.90	127.28
17	T	102	BCR	C20-C21-C22	23.90	160.80	127.28
17	H	840	BCR	C20-C21-C22	23.89	160.78	127.28
17	A	846	BCR	C16-C17-C18	23.85	160.73	127.28
17	H	845	BCR	C16-C17-C18	23.72	160.54	127.28
17	A	847	BCR	C16-C17-C18	23.69	160.50	127.28
17	Y	846	BCR	C20-C21-C22	23.67	160.47	127.28
17	f	104	BCR	C16-C17-C18	23.50	160.23	127.28
17	Y	849	BCR	C15-C16-C17	23.46	171.51	123.52
17	Z	844	BCR	C16-C17-C18	23.41	160.12	127.28
17	Y	856	BCR	C15-C16-C17	23.40	171.40	123.52
17	Z	841	BCR	C15-C16-C17	23.35	171.30	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	L	203	BCR	C16-C17-C18	23.33	159.99	127.28
17	K	102	BCR	C20-C21-C22	23.30	159.95	127.28
17	H	842	BCR	C16-C17-C18	23.29	159.94	127.28
17	G	848	BCR	C20-C21-C22	23.15	159.74	127.28
17	Y	849	BCR	C20-C21-C22	23.13	159.71	127.28
17	A	847	BCR	C15-C16-C17	22.85	170.28	123.52
17	G	850	BCR	C20-C21-C22	22.79	159.25	127.28
17	V	1202	BCR	C15-C16-C17	22.69	169.94	123.52
17	S	1104	BCR	C20-C21-C22	22.65	159.05	127.28
17	A	846	BCR	C15-C16-C17	22.53	169.62	123.52
17	H	842	BCR	C20-C21-C22	22.46	158.78	127.28
17	A	849	BCR	C20-C21-C22	22.43	158.74	127.28
17	U	1007	BCR	C15-C16-C17	22.40	169.35	123.52
17	M	101	BCR	C15-C16-C17	22.37	169.29	123.52
17	B	851	BCR	C15-C16-C17	22.36	169.27	123.52
17	H	842	BCR	C15-C16-C17	22.32	169.19	123.52
17	A	847	BCR	C20-C21-C22	22.23	158.46	127.28
17	Y	848	BCR	C15-C16-C17	22.16	168.86	123.52
17	d	203	BCR	C15-C16-C17	22.11	168.77	123.52
17	L	203	BCR	C15-C16-C17	22.02	168.58	123.52
17	U	1008	BCR	C15-C16-C17	21.99	168.51	123.52
17	G	848	BCR	C15-C16-C17	21.98	168.49	123.52
17	Z	844	BCR	C15-C16-C17	21.95	168.44	123.52
17	f	103	BCR	C15-C16-C17	21.89	168.32	123.52
17	A	848	BCR	C15-C16-C17	21.88	168.28	123.52
17	G	847	BCR	C15-C16-C17	21.85	168.22	123.52
17	L	208	BCR	C15-C16-C17	21.77	168.07	123.52
17	H	848	BCR	C15-C16-C17	21.71	167.95	123.52
17	Z	842	BCR	C15-C16-C17	21.67	167.86	123.52
17	Z	842	BCR	C20-C21-C22	21.67	157.66	127.28
17	B	845	BCR	C15-C16-C17	21.64	167.80	123.52
17	h	202	BCR	C15-C16-C17	21.45	167.42	123.52
17	H	840	BCR	C15-C16-C17	21.44	167.38	123.52
17	U	1005	BCR	C15-C16-C17	21.33	167.17	123.52
17	f	104	BCR	C15-C16-C17	21.32	167.14	123.52
17	L	209	BCR	C15-C16-C17	21.32	167.13	123.52
17	Z	841	BCR	C20-C21-C22	21.24	157.07	127.28
17	L	203	BCR	C20-C21-C22	21.22	157.04	127.28
17	Q	204	BCR	C15-C16-C17	21.22	166.94	123.52
17	B	848	BCR	C15-C16-C17	21.22	166.93	123.52
17	Z	846	BCR	C20-C21-C22	21.18	156.98	127.28
17	F	201	BCR	C15-C16-C17	21.14	166.78	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	e	101	BCR	C15-C16-C17	21.14	166.77	123.52
17	i	101	BCR	C20-C21-C22	21.11	156.88	127.28
17	Z	843	BCR	C15-C16-C17	21.09	166.68	123.52
17	H	843	BCR	C15-C16-C17	21.06	166.61	123.52
17	K	102	BCR	C15-C16-C17	21.05	166.58	123.52
17	R	102	BCR	C15-C16-C17	21.04	166.56	123.52
17	G	854	BCR	C15-C16-C17	21.02	166.53	123.52
17	I	101	BCR	C15-C16-C17	20.96	166.41	123.52
17	B	844	BCR	C15-C16-C17	20.86	166.20	123.52
17	A	848	BCR	C20-C21-C22	20.84	156.50	127.28
17	G	854	BCR	C20-C21-C22	20.81	156.46	127.28
17	L	208	BCR	C20-C21-C22	20.80	156.45	127.28
17	h	203	BCR	C15-C16-C17	20.78	166.03	123.52
17	B	845	BCR	C20-C21-C22	20.75	156.38	127.28
17	J	103	BCR	C20-C21-C22	20.71	156.32	127.28
17	H	845	BCR	C20-C21-C22	20.67	156.27	127.28
17	Z	843	BCR	C20-C21-C22	20.57	156.13	127.28
17	U	1007	BCR	C20-C21-C22	20.49	156.01	127.28
17	Y	851	BCR	C20-C21-C22	20.46	155.98	127.28
17	G	849	BCR	C15-C16-C17	20.46	165.38	123.52
17	Y	851	BCR	C15-C16-C17	20.41	165.28	123.52
17	H	841	BCR	C15-C16-C17	20.34	165.14	123.52
17	H	844	BCR	C15-C16-C17	20.32	165.09	123.52
17	J	104	BCR	C15-C16-C17	20.31	165.09	123.52
17	T	102	BCR	C15-C16-C17	20.28	165.01	123.52
17	B	847	BCR	C15-C16-C17	20.27	165.00	123.52
17	B	846	BCR	C15-C16-C17	20.18	164.82	123.52
17	f	103	BCR	C20-C21-C22	20.17	155.56	127.28
17	Y	848	BCR	C20-C21-C22	20.11	155.49	127.28
17	U	1005	BCR	C20-C21-C22	20.11	155.48	127.28
17	R	101	BCR	C15-C16-C17	20.05	164.55	123.52
17	G	850	BCR	C15-C16-C17	20.05	164.54	123.52
17	A	849	BCR	C15-C16-C17	20.03	164.51	123.52
17	G	846	BCR	C20-C21-C22	20.02	155.35	127.28
17	h	203	BCR	C20-C21-C22	19.97	155.29	127.28
17	Z	845	BCR	C15-C16-C17	19.93	164.30	123.52
17	f	105	BCR	C20-C21-C22	19.86	155.13	127.28
17	F	203	BCR	C15-C16-C17	19.85	164.14	123.52
17	G	849	BCR	C20-C21-C22	19.78	155.02	127.28
17	R	102	BCR	C20-C21-C22	19.71	154.93	127.28
17	H	844	BCR	C20-C21-C22	19.70	154.91	127.28
17	H	841	BCR	C20-C21-C22	19.60	154.76	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	847	BCR	C20-C21-C22	19.53	154.67	127.28
17	A	845	BCR	C20-C21-C22	19.52	154.66	127.28
17	Y	850	BCR	C15-C16-C17	19.50	163.41	123.52
17	M	101	BCR	C20-C21-C22	19.49	154.61	127.28
17	Y	847	BCR	C20-C21-C22	19.45	154.55	127.28
17	U	1007	BCR	C10-C11-C12	19.41	179.43	123.20
17	Y	846	BCR	C15-C16-C17	19.39	163.19	123.52
17	J	104	BCR	C20-C21-C22	19.35	154.41	127.28
17	B	843	BCR	C20-C21-C22	19.34	157.01	127.48
17	f	104	BCR	C20-C21-C22	19.27	154.30	127.28
17	A	846	BCR	C20-C21-C22	19.23	154.24	127.28
17	Z	844	BCR	C20-C21-C22	19.22	154.23	127.28
17	S	1104	BCR	C15-C16-C17	19.13	162.67	123.52
17	B	848	BCR	C20-C21-C22	19.12	154.10	127.28
17	G	847	BCR	C10-C11-C12	19.12	178.59	123.20
17	G	847	BCR	C20-C21-C22	19.11	154.08	127.28
17	H	843	BCR	C20-C21-C22	18.99	153.91	127.28
17	Z	845	BCR	C10-C11-C12	18.96	178.14	123.20
17	Y	847	BCR	C10-C11-C12	18.84	177.78	123.20
17	G	846	BCR	C10-C11-C12	18.80	177.67	123.20
17	B	844	BCR	C10-C11-C12	18.78	177.62	123.20
17	H	848	BCR	C20-C21-C22	18.68	153.47	127.28
17	M	101	BCR	C10-C11-C12	18.63	177.19	123.20
17	i	101	BCR	C15-C16-C17	18.49	161.35	123.52
17	d	203	BCR	C20-C21-C22	18.39	153.07	127.28
17	f	104	BCR	C10-C11-C12	18.39	176.50	123.20
17	i	101	BCR	C10-C11-C12	18.38	176.46	123.20
17	J	104	BCR	C10-C11-C12	18.38	176.45	123.20
17	Z	846	BCR	C15-C16-C17	18.28	160.93	123.52
17	B	851	BCR	C20-C21-C22	18.28	152.91	127.28
17	B	847	BCR	C10-C11-C12	18.26	176.11	123.20
17	h	202	BCR	C10-C11-C12	18.24	176.05	123.20
17	T	102	BCR	C10-C11-C12	18.23	176.03	123.20
17	B	845	BCR	C10-C11-C12	18.21	175.97	123.20
17	d	203	BCR	C10-C11-C12	18.17	175.86	123.20
17	H	845	BCR	C10-C11-C12	18.16	175.81	123.20
17	S	1104	BCR	C10-C11-C12	18.15	175.78	123.20
17	B	843	BCR	C10-C11-C12	18.15	175.78	123.20
17	Q	202	BCR	C20-C21-C22	18.14	152.72	127.28
17	f	103	BCR	C10-C11-C12	18.12	175.69	123.20
17	Y	849	BCR	C10-C11-C12	18.11	175.67	123.20
17	Y	856	BCR	C20-C21-C22	18.10	152.66	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	841	BCR	C10-C11-C12	18.10	175.64	123.20
17	H	840	BCR	C10-C11-C12	18.06	175.52	123.20
17	A	847	BCR	C10-C11-C12	18.02	175.40	123.20
17	I	101	BCR	C10-C11-C12	17.97	175.26	123.20
17	H	844	BCR	C10-C11-C12	17.94	175.18	123.20
17	V	1202	BCR	C20-C21-C22	17.91	152.39	127.28
17	Y	848	BCR	C10-C11-C12	17.90	175.07	123.20
17	U	1005	BCR	C10-C11-C12	17.88	175.00	123.20
17	A	846	BCR	C10-C11-C12	17.87	174.99	123.20
17	h	202	BCR	C20-C21-C22	17.83	152.29	127.28
17	B	846	BCR	C20-C21-C22	17.82	152.27	127.28
17	Z	845	BCR	C20-C21-C22	17.82	152.27	127.28
17	H	848	BCR	C10-C11-C12	17.81	174.81	123.20
17	Q	204	BCR	C20-C21-C22	17.80	152.24	127.28
17	Y	850	BCR	C20-C21-C22	17.80	152.24	127.28
17	G	848	BCR	C10-C11-C12	17.79	174.74	123.20
17	B	851	BCR	C10-C11-C12	17.78	174.73	123.20
17	H	842	BCR	C10-C11-C12	17.78	174.71	123.20
17	A	845	BCR	C10-C11-C12	17.75	174.62	123.20
17	V	1202	BCR	C10-C11-C12	17.66	174.37	123.20
17	L	209	BCR	C10-C11-C12	17.65	174.35	123.20
17	Y	851	BCR	C10-C11-C12	17.56	174.09	123.20
17	L	209	BCR	C20-C21-C22	17.53	151.86	127.28
17	Z	843	BCR	C11-C10-C9	17.51	151.84	127.28
17	Z	842	BCR	C10-C11-C12	17.46	173.80	123.20
17	Q	202	BCR	C10-C11-C12	17.45	173.77	123.20
17	Z	843	BCR	C10-C11-C12	17.41	173.65	123.20
17	A	848	BCR	C10-C11-C12	17.41	173.63	123.20
17	K	102	BCR	C10-C11-C12	17.33	173.42	123.20
17	Y	850	BCR	C10-C11-C12	17.30	173.34	123.20
17	G	854	BCR	C10-C11-C12	17.26	173.22	123.20
17	F	203	BCR	C21-C20-C19	17.21	173.06	123.20
17	F	201	BCR	C20-C21-C22	17.17	151.35	127.28
17	F	203	BCR	C10-C11-C12	17.16	172.93	123.20
17	h	203	BCR	C10-C11-C12	17.14	172.87	123.20
17	R	101	BCR	C10-C11-C12	17.14	172.86	123.20
17	f	105	BCR	C15-C16-C17	17.11	158.52	123.52
17	F	203	BCR	C20-C21-C22	17.03	151.16	127.28
17	Y	856	BCR	C21-C20-C19	16.99	172.44	123.20
17	Z	841	BCR	C10-C11-C12	16.99	172.42	123.20
17	f	105	BCR	C10-C11-C12	16.95	172.32	123.20
17	U	1008	BCR	C10-C11-C12	16.91	172.21	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	U	1008	BCR	C21-C20-C19	16.87	172.08	123.20
17	F	201	BCR	C21-C20-C19	16.79	171.84	123.20
17	L	209	BCR	C21-C20-C19	16.68	171.53	123.20
17	Q	202	BCR	C21-C20-C19	16.58	171.24	123.20
17	Q	204	BCR	C10-C11-C12	16.58	171.24	123.20
17	Y	850	BCR	C21-C20-C19	16.54	171.13	123.20
17	A	845	BCR	C15-C16-C17	16.50	157.29	123.52
17	Z	846	BCR	C10-C11-C12	16.48	170.95	123.20
17	A	849	BCR	C10-C11-C12	16.40	170.73	123.20
17	U	1008	BCR	C20-C21-C22	16.40	150.28	127.28
17	L	208	BCR	C10-C11-C12	16.40	170.71	123.20
17	d	203	BCR	C21-C20-C19	16.34	170.54	123.20
17	Z	844	BCR	C21-C20-C19	16.34	170.53	123.20
17	G	846	BCR	C15-C16-C17	16.31	156.90	123.52
17	Y	846	BCR	C10-C11-C12	16.27	170.34	123.20
17	G	850	BCR	C10-C11-C12	16.25	170.28	123.20
17	f	104	BCR	C21-C20-C19	16.24	170.26	123.20
17	G	854	BCR	C11-C12-C13	16.22	170.85	126.36
17	Y	847	BCR	C15-C16-C17	16.22	156.70	123.52
17	B	851	BCR	C21-C20-C19	16.18	170.09	123.20
17	Q	204	BCR	C21-C20-C19	16.18	170.07	123.20
17	L	203	BCR	C10-C11-C12	16.13	169.94	123.20
17	J	104	BCR	C21-C20-C19	16.11	169.89	123.20
17	R	102	BCR	C10-C11-C12	16.11	169.88	123.20
17	Y	856	BCR	C10-C11-C12	16.05	169.72	123.20
17	Z	845	BCR	C21-C20-C19	16.03	169.63	123.20
17	J	103	BCR	C10-C11-C12	16.00	169.56	123.20
17	B	848	BCR	C21-C20-C19	15.98	169.52	123.20
17	H	844	BCR	C21-C20-C19	15.97	169.46	123.20
17	V	1202	BCR	C21-C20-C19	15.91	169.30	123.20
17	A	846	BCR	C21-C20-C19	15.84	169.08	123.20
17	B	843	BCR	C15-C16-C17	15.82	155.88	123.52
17	J	103	BCR	C15-C16-C17	15.77	155.78	123.52
17	h	202	BCR	C21-C20-C19	15.74	168.81	123.20
17	i	101	BCR	C16-C15-C14	15.72	155.69	123.52
17	H	848	BCR	C21-C20-C19	15.63	168.50	123.20
17	B	848	BCR	C10-C11-C12	15.62	168.46	123.20
17	R	101	BCR	C11-C12-C13	15.56	169.03	126.36
17	B	846	BCR	C21-C20-C19	15.54	168.24	123.20
17	H	845	BCR	C21-C20-C19	15.51	168.14	123.20
17	Z	841	BCR	C21-C20-C19	15.49	168.08	123.20
17	H	848	BCR	C11-C12-C13	15.48	168.82	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	e	101	BCR	C10-C11-C12	15.48	168.05	123.20
17	B	845	BCR	C21-C20-C19	15.45	167.97	123.20
17	h	203	BCR	C21-C20-C19	15.41	167.85	123.20
17	G	847	BCR	C21-C20-C19	15.40	167.83	123.20
17	H	843	BCR	C21-C20-C19	15.33	167.63	123.20
17	G	854	BCR	C21-C20-C19	15.29	167.49	123.20
17	R	102	BCR	C21-C20-C19	15.26	167.42	123.20
17	G	849	BCR	C10-C11-C12	15.22	167.29	123.20
17	F	201	BCR	C11-C12-C13	15.18	167.97	126.36
17	f	103	BCR	C11-C12-C13	15.11	167.78	126.36
17	Y	847	BCR	C21-C20-C19	15.06	166.83	123.20
17	H	841	BCR	C21-C20-C19	15.03	166.76	123.20
17	B	847	BCR	C21-C20-C19	15.03	166.75	123.20
17	A	848	BCR	C21-C20-C19	15.02	166.73	123.20
17	M	101	BCR	C21-C20-C19	15.02	166.73	123.20
17	f	103	BCR	C21-C20-C19	15.01	166.68	123.20
17	Y	851	BCR	C21-C20-C19	14.99	166.64	123.20
17	H	842	BCR	C21-C20-C19	14.99	166.63	123.20
17	U	1008	BCR	C11-C12-C13	14.98	167.44	126.36
17	G	846	BCR	C21-C20-C19	14.94	166.48	123.20
17	Y	851	BCR	C11-C10-C9	14.92	148.20	127.28
17	Z	843	BCR	C21-C20-C19	14.87	166.28	123.20
17	f	105	BCR	C16-C15-C14	14.87	153.94	123.52
17	G	849	BCR	C21-C20-C19	14.84	166.19	123.20
17	L	209	BCR	C11-C12-C13	14.83	167.02	126.36
17	A	845	BCR	C21-C20-C19	14.79	166.04	123.20
17	B	843	BCR	C21-C20-C19	14.77	166.00	123.20
17	Z	846	BCR	C21-C20-C19	14.75	165.94	123.20
17	L	203	BCR	C21-C20-C19	14.74	165.90	123.20
17	B	851	BCR	C11-C12-C13	14.73	166.76	126.36
17	J	103	BCR	C21-C20-C19	14.70	165.80	123.20
17	f	105	BCR	C21-C20-C19	14.70	165.78	123.20
17	Y	848	BCR	C21-C20-C19	14.64	165.61	123.20
17	Y	846	BCR	C11-C10-C9	14.59	147.74	127.28
17	A	847	BCR	C21-C20-C19	14.57	165.41	123.20
17	h	203	BCR	C11-C12-C13	14.56	166.29	126.36
17	Z	846	BCR	C11-C12-C13	14.54	166.22	126.36
17	B	847	BCR	C11-C12-C13	14.53	166.20	126.36
17	Y	850	BCR	C11-C12-C13	14.52	166.18	126.36
17	Y	848	BCR	C11-C12-C13	14.50	166.13	126.36
17	U	1005	BCR	C21-C20-C19	14.49	165.19	123.20
17	f	105	BCR	C11-C12-C13	14.49	166.09	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	U	1007	BCR	C21-C20-C19	14.48	165.15	123.20
17	A	847	BCR	C11-C12-C13	14.44	165.96	126.36
17	Q	202	BCR	C15-C16-C17	14.42	153.02	123.52
17	U	1008	BCR	C11-C10-C9	14.40	147.47	127.28
17	G	848	BCR	C21-C20-C19	14.40	164.92	123.20
17	i	101	BCR	C21-C20-C19	14.39	164.89	123.20
17	Y	846	BCR	C16-C15-C14	14.38	152.95	123.52
17	Y	849	BCR	C11-C12-C13	14.34	165.69	126.36
17	Q	202	BCR	C11-C12-C13	14.31	165.61	126.36
17	Y	847	BCR	C11-C12-C13	14.28	165.53	126.36
17	B	846	BCR	C16-C15-C14	14.26	152.69	123.52
17	M	101	BCR	C11-C12-C13	14.22	165.35	126.36
17	J	104	BCR	C11-C12-C13	14.17	165.22	126.36
17	Z	845	BCR	C16-C15-C14	14.16	152.50	123.52
17	A	849	BCR	C11-C12-C13	14.13	165.10	126.36
17	S	1104	BCR	C11-C12-C13	14.11	165.04	126.36
17	A	849	BCR	C21-C20-C19	14.09	164.01	123.20
17	H	840	BCR	C11-C12-C13	14.07	164.93	126.36
17	I	101	BCR	C11-C12-C13	14.06	164.93	126.36
17	Z	842	BCR	C21-C20-C19	14.05	163.92	123.20
17	G	854	BCR	C16-C15-C14	14.04	152.25	123.52
17	T	102	BCR	C11-C12-C13	14.04	164.86	126.36
17	G	846	BCR	C16-C15-C14	14.03	152.22	123.52
17	L	208	BCR	C21-C20-C19	14.02	163.82	123.20
17	F	201	BCR	C10-C11-C12	13.94	163.58	123.20
17	R	102	BCR	C11-C10-C9	13.93	146.81	127.28
17	B	845	BCR	C11-C12-C13	13.92	164.54	126.36
17	A	848	BCR	C11-C12-C13	13.89	164.44	126.36
17	G	850	BCR	C11-C12-C13	13.88	164.44	126.36
17	S	1104	BCR	C16-C15-C14	13.85	151.87	123.52
17	J	103	BCR	C16-C15-C14	13.85	151.86	123.52
17	Z	843	BCR	C11-C12-C13	13.85	164.34	126.36
17	A	845	BCR	C11-C12-C13	13.84	164.32	126.36
17	T	102	BCR	C16-C15-C14	13.84	151.83	123.52
17	i	101	BCR	C11-C12-C13	13.83	164.29	126.36
17	H	841	BCR	C11-C12-C13	13.81	164.24	126.36
17	F	203	BCR	C11-C12-C13	13.80	164.21	126.36
17	F	203	BCR	C16-C15-C14	13.79	151.73	123.52
17	K	102	BCR	C11-C12-C13	13.78	164.15	126.36
17	H	844	BCR	C16-C15-C14	13.76	151.67	123.52
17	H	845	BCR	C11-C12-C13	13.75	164.06	126.36
17	h	202	BCR	C11-C12-C13	13.73	164.02	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	846	BCR	C11-C12-C13	13.71	163.97	126.36
17	Q	204	BCR	C11-C12-C13	13.70	163.94	126.36
17	B	844	BCR	C11-C12-C13	13.68	163.88	126.36
17	J	104	BCR	C16-C15-C14	13.68	151.51	123.52
17	Y	847	BCR	C16-C15-C14	13.67	151.50	123.52
17	Z	846	BCR	C11-C10-C9	13.66	146.44	127.28
17	Y	849	BCR	C21-C20-C19	13.66	162.78	123.20
17	Y	851	BCR	C11-C12-C13	13.66	163.82	126.36
17	U	1007	BCR	C11-C12-C13	13.64	163.76	126.36
17	G	850	BCR	C21-C20-C19	13.63	162.71	123.20
17	e	101	BCR	C11-C12-C13	13.62	163.70	126.36
17	Y	850	BCR	C16-C15-C14	13.61	151.38	123.52
17	H	840	BCR	C21-C20-C19	13.55	162.47	123.20
17	Y	850	BCR	C11-C10-C9	13.55	146.28	127.28
17	Y	846	BCR	C11-C12-C13	13.55	163.51	126.36
17	B	843	BCR	C11-C12-C13	13.50	163.38	126.36
17	e	101	BCR	C21-C20-C19	13.48	162.26	123.20
17	G	847	BCR	C11-C12-C13	13.47	163.29	126.36
17	V	1202	BCR	C11-C12-C13	13.46	163.27	126.36
17	B	843	BCR	C16-C15-C14	13.45	151.05	123.52
17	f	104	BCR	C16-C15-C14	13.31	150.75	123.52
17	Z	846	BCR	C16-C15-C14	13.29	150.72	123.52
17	Z	842	BCR	C11-C12-C13	13.28	162.77	126.36
17	h	203	BCR	C11-C10-C9	13.27	145.89	127.28
17	Q	202	BCR	C16-C15-C14	13.27	150.67	123.52
17	G	848	BCR	C11-C12-C13	13.27	162.74	126.36
17	d	203	BCR	C11-C12-C13	13.24	162.68	126.36
17	G	849	BCR	C11-C12-C13	13.23	162.63	126.36
17	f	104	BCR	C11-C12-C13	13.22	162.60	126.36
17	G	850	BCR	C16-C15-C14	13.21	150.54	123.52
17	L	208	BCR	C11-C12-C13	13.20	162.55	126.36
17	Z	845	BCR	C11-C12-C13	13.19	162.53	126.36
17	R	101	BCR	C11-C10-C9	13.17	145.75	127.28
17	A	846	BCR	C11-C12-C13	13.14	162.39	126.36
17	e	101	BCR	C11-C10-C9	13.04	145.57	127.28
17	K	102	BCR	C24-C23-C22	-13.02	106.98	126.23
17	H	842	BCR	C11-C10-C9	12.99	145.50	127.28
17	d	203	BCR	C16-C15-C14	12.94	149.99	123.52
17	H	842	BCR	C11-C12-C13	12.89	161.72	126.36
17	M	101	BCR	C11-C10-C9	12.88	145.34	127.28
17	K	102	BCR	C16-C15-C14	12.88	149.86	123.52
17	H	843	BCR	C16-C15-C14	12.87	149.85	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	850	BCR	C11-C10-C9	12.86	145.32	127.28
17	B	847	BCR	C16-C15-C14	12.86	149.83	123.52
17	T	102	BCR	C11-C10-C9	12.86	145.31	127.28
17	U	1005	BCR	C11-C12-C13	12.82	161.52	126.36
17	Z	841	BCR	C11-C12-C13	12.82	161.51	126.36
17	Z	844	BCR	C16-C15-C14	12.81	149.74	123.52
17	A	849	BCR	C11-C10-C9	12.80	145.22	127.28
17	H	844	BCR	C11-C12-C13	12.77	161.39	126.36
17	B	848	BCR	C16-C15-C14	12.76	149.64	123.52
17	Z	843	BCR	C16-C15-C14	12.73	149.57	123.52
17	G	848	BCR	C16-C15-C14	12.71	149.53	123.52
17	V	1202	BCR	C11-C10-C9	12.71	145.10	127.28
17	Q	204	BCR	C16-C15-C14	12.71	149.52	123.52
17	h	202	BCR	C11-C10-C9	12.70	145.09	127.28
17	L	209	BCR	C16-C15-C14	12.70	149.51	123.52
17	I	101	BCR	C21-C20-C19	12.70	160.00	123.20
17	Z	841	BCR	C16-C15-C14	12.69	149.49	123.52
17	B	848	BCR	C11-C12-C13	12.69	161.15	126.36
17	Y	856	BCR	C16-C15-C14	12.69	149.48	123.52
17	H	841	BCR	C16-C15-C14	12.68	149.47	123.52
17	A	845	BCR	C16-C15-C14	12.68	149.46	123.52
17	B	844	BCR	C16-C15-C14	12.62	149.34	123.52
17	H	842	BCR	C16-C15-C14	12.60	149.29	123.52
17	h	202	BCR	C16-C15-C14	12.58	149.25	123.52
17	L	203	BCR	C16-C15-C14	12.56	149.23	123.52
17	L	203	BCR	C11-C12-C13	12.55	160.78	126.36
17	J	103	BCR	C11-C12-C13	12.55	160.76	126.36
17	R	101	BCR	C16-C15-C14	12.52	149.15	123.52
17	e	101	BCR	C16-C15-C14	12.52	149.14	123.52
17	A	846	BCR	C16-C15-C14	12.51	149.11	123.52
17	F	201	BCR	C11-C10-C9	12.48	144.79	127.28
17	Z	845	BCR	C11-C10-C9	12.48	144.78	127.28
17	L	203	BCR	C11-C10-C9	12.43	144.71	127.28
17	B	845	BCR	C16-C15-C14	12.41	148.91	123.52
17	Z	842	BCR	C16-C15-C14	12.38	148.86	123.52
17	Q	202	BCR	C11-C10-C9	12.38	144.64	127.28
17	I	101	BCR	C16-C15-C14	12.36	148.80	123.52
17	R	101	BCR	C21-C20-C19	12.33	158.94	123.20
17	A	849	BCR	C16-C15-C14	12.32	148.73	123.52
17	G	847	BCR	C16-C15-C14	12.29	148.68	123.52
17	R	102	BCR	C16-C15-C14	12.27	148.62	123.52
17	G	849	BCR	C16-C15-C14	12.27	148.62	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	f	103	BCR	C11-C10-C9	12.21	144.41	127.28
17	Y	851	BCR	C16-C15-C14	12.19	148.47	123.52
17	R	102	BCR	C11-C12-C13	12.15	159.67	126.36
17	i	101	BCR	C11-C10-C9	12.13	144.28	127.28
17	B	844	BCR	C21-C20-C19	12.13	158.33	123.20
17	H	840	BCR	C16-C15-C14	12.09	148.26	123.52
17	B	851	BCR	C16-C15-C14	12.04	148.16	123.52
17	F	201	BCR	C16-C15-C14	11.98	148.04	123.52
17	T	102	BCR	C21-C20-C19	11.98	157.90	123.20
17	Y	846	BCR	C21-C20-C19	11.91	157.71	123.20
17	A	848	BCR	C16-C15-C14	11.91	147.88	123.52
17	e	101	BCR	C20-C19-C18	11.87	158.91	126.36
17	B	844	BCR	C11-C10-C9	11.84	143.88	127.28
17	Y	848	BCR	C16-C15-C14	11.79	147.65	123.52
17	H	848	BCR	C16-C15-C14	11.79	147.64	123.52
17	f	103	BCR	C16-C15-C14	11.78	147.62	123.52
17	M	101	BCR	C16-C15-C14	11.76	147.57	123.52
17	U	1005	BCR	C16-C15-C14	11.74	147.54	123.52
17	B	848	BCR	C11-C10-C9	11.72	143.71	127.28
17	Y	848	BCR	C11-C10-C9	11.70	143.69	127.28
17	S	1104	BCR	C21-C20-C19	11.69	157.07	123.20
17	G	846	BCR	C11-C10-C9	11.63	143.59	127.28
17	Y	856	BCR	C11-C12-C13	11.63	158.25	126.36
17	U	1007	BCR	C16-C15-C14	11.55	147.16	123.52
17	h	203	BCR	C16-C15-C14	11.51	147.07	123.52
17	K	102	BCR	C21-C20-C19	11.47	156.44	123.20
17	U	1008	BCR	C16-C15-C14	11.44	146.92	123.52
17	A	849	BCR	C20-C19-C18	11.43	157.71	126.36
17	V	1202	BCR	C16-C15-C14	11.43	146.91	123.52
17	A	847	BCR	C16-C15-C14	11.35	146.75	123.52
17	H	841	BCR	C11-C10-C9	11.27	143.08	127.28
17	i	101	BCR	C20-C19-C18	11.24	157.20	126.36
17	T	102	BCR	C24-C23-C22	-11.23	109.62	126.23
17	Y	849	BCR	C16-C15-C14	11.22	146.48	123.52
17	L	208	BCR	C16-C15-C14	11.20	146.44	123.52
17	Y	856	BCR	C11-C10-C9	11.18	142.96	127.28
17	G	850	BCR	C20-C19-C18	11.18	157.01	126.36
17	H	845	BCR	C16-C15-C14	11.12	146.28	123.52
17	H	845	BCR	C11-C10-C9	11.12	142.88	127.28
17	G	848	BCR	C11-C10-C9	11.12	142.87	127.28
17	G	849	BCR	C11-C10-C9	11.05	142.78	127.28
17	U	1007	BCR	C11-C10-C9	11.04	142.76	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	840	BCR	C20-C19-C18	11.04	156.64	126.36
17	I	101	BCR	C20-C19-C18	10.92	156.32	126.36
17	A	845	BCR	C20-C19-C18	10.91	156.27	126.36
17	Z	842	BCR	C11-C10-C9	10.85	142.49	127.28
17	U	1007	BCR	C20-C19-C18	10.84	156.08	126.36
17	J	104	BCR	C11-C10-C9	10.83	142.47	127.28
17	J	103	BCR	C20-C19-C18	10.81	156.00	126.36
17	Y	847	BCR	C20-C19-C18	10.78	155.92	126.36
17	Y	849	BCR	C20-C19-C18	10.76	155.87	126.36
17	A	845	BCR	C11-C10-C9	10.74	142.34	127.28
17	Y	846	BCR	C20-C19-C18	10.73	155.80	126.36
17	I	101	BCR	C11-C10-C9	10.67	142.24	127.28
17	R	101	BCR	C20-C19-C18	10.66	155.59	126.36
17	L	208	BCR	C20-C19-C18	10.63	155.51	126.36
17	S	1104	BCR	C20-C19-C18	10.63	155.50	126.36
17	Z	846	BCR	C20-C19-C18	10.54	155.25	126.36
17	Y	851	BCR	C20-C19-C18	10.51	155.19	126.36
17	B	843	BCR	C20-C19-C18	10.50	155.14	126.36
17	Y	848	BCR	C20-C19-C18	10.46	155.04	126.36
17	Y	849	BCR	C11-C10-C9	10.44	141.91	127.28
17	f	105	BCR	C20-C19-C18	10.40	154.88	126.36
17	G	848	BCR	C20-C19-C18	10.37	154.81	126.36
17	H	840	BCR	C11-C10-C9	10.36	141.81	127.28
17	B	844	BCR	C20-C19-C18	10.34	154.72	126.36
17	J	103	BCR	C11-C10-C9	10.29	141.71	127.28
17	Z	841	BCR	C11-C10-C9	10.27	141.68	127.28
17	B	847	BCR	C20-C19-C18	10.21	154.37	126.36
17	G	849	BCR	C20-C19-C18	10.20	154.33	126.36
17	M	101	BCR	C20-C19-C18	10.19	154.31	126.36
17	K	102	BCR	C11-C10-C9	10.14	141.49	127.28
17	Z	842	BCR	C20-C19-C18	10.11	154.09	126.36
17	H	841	BCR	C20-C19-C18	10.09	154.03	126.36
17	A	848	BCR	C20-C19-C18	10.08	154.00	126.36
17	L	209	BCR	C11-C10-C9	10.02	141.32	127.28
17	A	847	BCR	C20-C19-C18	10.01	153.81	126.36
17	G	847	BCR	C20-C19-C18	9.99	153.77	126.36
17	U	1005	BCR	C20-C19-C18	9.97	153.69	126.36
17	Y	847	BCR	C11-C10-C9	9.95	141.24	127.28
17	Z	843	BCR	C20-C19-C18	9.90	153.52	126.36
17	A	847	BCR	C11-C10-C9	9.87	141.12	127.28
17	K	102	BCR	C20-C19-C18	9.86	153.40	126.36
17	h	202	BCR	C20-C19-C18	9.80	153.25	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	844	BCR	C11-C10-C9	9.80	141.02	127.28
17	B	845	BCR	C11-C10-C9	9.80	141.02	127.28
17	H	843	BCR	C20-C19-C18	9.79	153.22	126.36
17	Z	845	BCR	C20-C19-C18	9.77	153.15	126.36
17	H	848	BCR	C11-C10-C9	9.74	140.94	127.28
17	d	203	BCR	C20-C19-C18	9.73	153.05	126.36
13	Y	801	CL0	C4A-NA-C1A	9.71	111.11	106.68
17	B	851	BCR	C11-C10-C9	9.69	140.87	127.28
17	f	103	BCR	C20-C19-C18	9.66	152.84	126.36
17	T	102	BCR	C20-C19-C18	9.65	152.84	126.36
17	G	846	BCR	C20-C19-C18	9.65	152.82	126.36
17	f	105	BCR	C11-C10-C9	9.65	140.81	127.28
17	A	848	BCR	C11-C10-C9	9.61	140.76	127.28
17	L	208	BCR	C11-C10-C9	9.59	140.72	127.28
17	Q	204	BCR	C20-C19-C18	9.57	152.60	126.36
17	h	203	BCR	C20-C19-C18	9.55	152.56	126.36
17	G	854	BCR	C20-C19-C18	9.54	152.52	126.36
14	G	815	CLA	CMD-C2D-C1D	9.49	141.43	124.73
17	B	846	BCR	C20-C19-C18	9.45	152.28	126.36
17	Y	850	BCR	C20-C19-C18	9.45	152.27	126.36
17	V	1202	BCR	C20-C19-C18	9.37	152.06	126.36
17	L	203	BCR	C20-C19-C18	9.35	151.99	126.36
14	B	834	CLA	CMD-C2D-C1D	9.33	141.16	124.73
17	U	1008	BCR	C20-C19-C18	9.22	151.65	126.36
14	A	837	CLA	CMD-C2D-C1D	9.20	140.94	124.73
17	A	846	BCR	C19-C18-C17	9.18	133.44	119.01
17	H	848	BCR	C20-C19-C18	9.16	151.48	126.36
17	S	1104	BCR	C11-C10-C9	9.16	140.12	127.28
14	B	827	CLA	CMD-C2D-C1D	9.13	140.80	124.73
17	B	845	BCR	C20-C19-C18	9.12	151.37	126.36
17	R	102	BCR	C20-C19-C18	9.10	151.32	126.36
14	Z	804	CLA	CMD-C2D-C1D	9.10	140.75	124.73
14	G	838	CLA	CMD-C2D-C1D	9.10	140.75	124.73
17	A	846	BCR	C20-C19-C18	9.09	151.30	126.36
17	B	851	BCR	C20-C19-C18	9.08	151.27	126.36
17	A	846	BCR	C11-C10-C9	9.07	140.00	127.28
17	G	847	BCR	C11-C10-C9	9.05	139.97	127.28
17	F	203	BCR	C20-C19-C18	9.04	151.16	126.36
17	d	203	BCR	C11-C10-C9	9.04	139.95	127.28
14	A	815	CLA	CMD-C2D-C1D	9.01	140.60	124.73
14	Y	818	CLA	CMD-C2D-C1D	8.98	140.55	124.73
17	H	844	BCR	C20-C19-C18	8.98	150.99	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	835	CLA	CMD-C2D-C1D	8.98	140.54	124.73
14	Y	809	CLA	CMD-C2D-C1D	8.97	140.52	124.73
14	A	809	CLA	CMD-C2D-C1D	8.96	140.50	124.73
14	G	822	CLA	CMD-C2D-C1D	8.94	140.47	124.73
17	Z	841	BCR	C20-C19-C18	8.93	150.84	126.36
14	G	813	CLA	CMD-C2D-C1D	8.92	140.44	124.73
14	B	836	CLA	CMD-C2D-C1D	8.92	140.44	124.73
14	H	832	CLA	CMD-C2D-C1D	8.92	140.44	124.73
17	U	1005	BCR	C11-C10-C9	8.91	139.78	127.28
17	H	842	BCR	C20-C19-C18	8.90	150.76	126.36
17	B	843	BCR	C11-C10-C9	8.88	139.74	127.28
17	h	202	BCR	C19-C18-C17	8.88	132.98	119.01
14	B	820	CLA	CMD-C2D-C1D	8.87	140.35	124.73
14	A	807	CLA	CMD-C2D-C1D	8.85	140.32	124.73
17	Q	204	BCR	C11-C10-C9	8.85	139.69	127.28
14	H	820	CLA	CMD-C2D-C1D	8.83	140.27	124.73
14	H	822	CLA	CMD-C2D-C1D	8.83	140.27	124.73
17	G	854	BCR	C11-C10-C9	8.81	139.64	127.28
17	Q	202	BCR	C20-C19-C18	8.81	150.52	126.36
14	T	101	CLA	CMD-C2D-C1D	8.81	140.24	124.73
14	Z	839	CLA	CMD-C2D-C1D	8.81	140.24	124.73
14	A	840	CLA	CMD-C2D-C1D	8.81	140.24	124.73
14	G	826	CLA	CMD-C2D-C1D	8.76	140.15	124.73
17	L	209	BCR	C20-C19-C18	8.75	150.36	126.36
14	B	806	CLA	CMD-C2D-C1D	8.73	140.11	124.73
14	G	809	CLA	CMD-C2D-C1D	8.73	140.10	124.73
17	f	104	BCR	C19-C18-C17	8.70	132.70	119.01
14	B	812	CLA	CMD-C2D-C1D	8.70	140.05	124.73
14	B	821	CLA	CMD-C2D-C1D	8.70	140.04	124.73
14	Y	831	CLA	CMD-C2D-C1D	8.68	140.02	124.73
14	G	823	CLA	CMD-C2D-C1D	8.67	140.00	124.73
14	B	810	CLA	CMD-C2D-C1D	8.66	139.97	124.73
17	F	201	BCR	C20-C19-C18	8.65	150.08	126.36
17	J	104	BCR	C20-C19-C18	8.65	150.07	126.36
14	B	802	CLA	CMD-C2D-C1D	8.63	139.92	124.73
14	Y	816	CLA	CMD-C2D-C1D	8.61	139.88	124.73
14	A	823	CLA	CMD-C2D-C1D	8.60	139.87	124.73
14	H	824	CLA	CMD-C2D-C1D	8.59	139.86	124.73
14	A	821	CLA	CMD-C2D-C1D	8.59	139.85	124.73
14	Y	804	CLA	CMD-C2D-C1D	8.58	139.84	124.73
14	Z	834	CLA	CMD-C2D-C1D	8.58	139.83	124.73
17	B	848	BCR	C20-C19-C18	8.57	149.85	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	843	CLA	CMD-C2D-C1D	8.55	139.79	124.73
14	Y	819	CLA	CMD-C2D-C1D	8.54	139.76	124.73
14	Y	812	CLA	CMD-C2D-C1D	8.53	139.75	124.73
14	A	826	CLA	CMD-C2D-C1D	8.52	139.73	124.73
14	B	813	CLA	CMD-C2D-C1D	8.52	139.73	124.73
14	A	825	CLA	CMD-C2D-C1D	8.48	139.66	124.73
14	B	808	CLA	CMD-C2D-C1D	8.47	139.64	124.73
14	Z	829	CLA	CMD-C2D-C1D	8.46	139.63	124.73
14	A	827	CLA	CMD-C2D-C1D	8.46	139.63	124.73
17	J	104	BCR	C19-C18-C17	8.46	132.31	119.01
17	B	845	BCR	C19-C18-C17	8.45	132.30	119.01
14	H	831	CLA	CMD-C2D-C1D	8.44	139.59	124.73
14	A	813	CLA	CMD-C2D-C1D	8.43	139.57	124.73
14	Z	823	CLA	CMD-C2D-C1D	8.43	139.57	124.73
14	A	842	CLA	CMD-C2D-C1D	8.43	139.56	124.73
17	H	842	BCR	C19-C18-C17	8.42	132.25	119.01
14	G	853	CLA	CMD-C2D-C1D	8.42	139.55	124.73
14	h	206	CLA	CMD-C2D-C1D	8.41	139.54	124.73
14	G	814	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	Y	807	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	j	102	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	G	807	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	Y	837	CLA	CMD-C2D-C1D	8.40	139.52	124.73
14	Z	825	CLA	CMD-C2D-C1D	8.40	139.51	124.73
14	H	821	CLA	CMD-C2D-C1D	8.39	139.51	124.73
14	B	805	CLA	CMD-C2D-C1D	8.39	139.50	124.73
14	Z	832	CLA	CMD-C2D-C1D	8.38	139.48	124.73
14	B	818	CLA	CMD-C2D-C1D	8.37	139.47	124.73
14	H	838	CLA	CMD-C2D-C1D	8.37	139.46	124.73
14	Y	813	CLA	CMD-C2D-C1D	8.37	139.46	124.73
17	Z	844	BCR	C19-C18-C17	8.36	132.16	119.01
14	B	828	CLA	CMD-C2D-C1D	8.36	139.45	124.73
17	f	104	BCR	C11-C10-C9	8.36	139.00	127.28
14	A	806	CLA	CMD-C2D-C1D	8.36	139.44	124.73
14	S	1103	CLA	CMD-C2D-C1D	8.35	139.44	124.73
14	W	1701	CLA	CMD-C2D-C1D	8.35	139.42	124.73
14	Y	839	CLA	CMD-C2D-C1D	8.34	139.42	124.73
14	A	831	CLA	CMD-C2D-C1D	8.34	139.41	124.73
14	Y	806	CLA	CMD-C2D-C1D	8.33	139.40	124.73
17	Z	843	BCR	C19-C18-C17	8.32	132.10	119.01
17	H	845	BCR	C20-C19-C18	8.31	149.14	126.36
14	L	202	CLA	CMD-C2D-C1D	8.30	139.35	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	826	CLA	CMD-C2D-C1D	8.30	139.35	124.73
14	U	1003	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	X	1701	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	Z	811	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	A	811	CLA	CMD-C2D-C1D	8.27	139.29	124.73
14	Y	815	CLA	CMD-C2D-C1D	8.27	139.28	124.73
14	S	1101	CLA	CMD-C2D-C1D	8.26	139.28	124.73
14	A	841	CLA	CMD-C2D-C1D	8.25	139.26	124.73
14	B	835	CLA	CMD-C2D-C1D	8.25	139.26	124.73
14	H	815	CLA	CMD-C2D-C1D	8.25	139.25	124.73
14	G	812	CLA	CMD-C2D-C1D	8.24	139.25	124.73
14	G	828	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	H	836	CLA	CMD-C2D-C1D	8.24	139.24	124.73
14	Y	811	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	G	819	CLA	CMD-C2D-C1D	8.23	139.22	124.73
14	H	833	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	A	836	CLA	CMD-C2D-C1D	8.22	139.21	124.73
14	J	102	CLA	CMD-C2D-C1D	8.21	139.19	124.73
17	F	203	BCR	C11-C10-C9	8.21	138.79	127.28
14	B	830	CLA	CMD-C2D-C1D	8.20	139.16	124.73
14	Z	837	CLA	CMD-C2D-C1D	8.20	139.16	124.73
14	A	820	CLA	CMD-C2D-C1D	8.19	139.16	124.73
14	A	817	CLA	CMD-C2D-C1D	8.19	139.16	124.73
14	A	832	CLA	CMD-C2D-C1D	8.18	139.13	124.73
14	G	818	CLA	CMD-C2D-C1D	8.18	139.13	124.73
14	B	838	CLA	CMD-C2D-C1D	8.18	139.13	124.73
14	Y	803	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	h	201	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	Z	819	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	Z	833	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	Z	827	CLA	CMD-C2D-C1D	8.14	139.07	124.73
14	S	1102	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	B	807	CLA	CMD-C2D-C1D	8.13	139.05	124.73
14	G	821	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	G	836	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	Y	830	CLA	CMD-C2D-C1D	8.13	139.04	124.73
14	H	804	CLA	CMD-C2D-C1D	8.12	139.02	124.73
17	F	201	BCR	C24-C23-C22	-8.12	114.23	126.23
14	Y	827	CLA	CMD-C2D-C1D	8.12	139.02	124.73
14	B	805	CLA	O2D-CGD-CBD	8.11	125.41	111.23
14	Q	201	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	G	839	CLA	CMD-C2D-C1D	8.10	138.99	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	814	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	H	834	CLA	CMD-C2D-C1D	8.10	138.99	124.73
17	B	848	BCR	C19-C18-C17	8.09	131.74	119.01
14	B	822	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	G	831	CLA	CMD-C2D-C1D	8.08	138.96	124.73
14	G	824	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	B	841	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	A	828	CLA	CMD-C2D-C1D	8.06	138.92	124.73
14	Y	833	CLA	CMD-C2D-C1D	8.06	138.92	124.73
14	U	1006	CLA	CMD-C2D-C1D	8.05	138.91	124.73
14	A	816	CLA	CMD-C2D-C1D	8.05	138.91	124.73
13	G	801	CL0	CMD-C2D-C1D	8.05	138.90	124.73
14	Z	803	CLA	O2D-CGD-CBD	8.04	125.29	111.23
14	Z	835	CLA	CMD-C2D-C1D	8.03	138.88	124.73
14	Z	818	CLA	CMD-C2D-C1D	8.03	138.87	124.73
14	Z	806	CLA	CMD-C2D-C1D	8.03	138.86	124.73
14	Z	814	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	A	810	CLA	CMD-C2D-C1D	8.02	138.85	124.73
14	B	810	CLA	C2C-C1C-NC	8.01	118.39	109.98
14	Y	832	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	Y	822	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	A	818	CLA	CMD-C2D-C1D	8.00	138.81	124.73
14	G	814	CLA	O2D-CGD-CBD	7.98	125.19	111.23
14	Y	829	CLA	CMD-C2D-C1D	7.98	138.78	124.73
14	A	812	CLA	CMD-C2D-C1D	7.98	138.78	124.73
14	H	818	CLA	CMD-C2D-C1D	7.97	138.77	124.73
14	A	822	CLA	CMD-C2D-C1D	7.97	138.77	124.73
14	d	201	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	B	834	CLA	O2D-CGD-CBD	7.96	125.15	111.23
14	A	834	CLA	CMD-C2D-C1D	7.96	138.75	124.73
14	A	824	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	f	102	CLA	CMD-C2D-C1D	7.95	138.74	124.73
14	G	816	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	B	832	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	Y	810	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	G	804	CLA	CMD-C2D-C1D	7.95	138.73	124.73
17	H	845	BCR	C19-C18-C17	7.94	131.50	119.01
14	Y	805	CLA	CMD-C2D-C1D	7.94	138.71	124.73
17	T	102	BCR	C19-C18-C17	7.93	131.49	119.01
13	G	801	CL0	O2A-CGA-O1A	-7.93	103.79	123.63
14	B	831	CLA	CMD-C2D-C1D	7.91	138.65	124.73
14	h	205	CLA	CMD-C2D-C1D	7.91	138.65	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	CMD-C2D-C1D	7.90	138.65	124.73
14	B	819	CLA	CMD-C2D-C1D	7.90	138.64	124.73
14	J	101	CLA	CMD-C2D-C1D	7.90	138.64	124.73
14	G	805	CLA	CMD-C2D-C1D	7.90	138.63	124.73
14	Z	830	CLA	CMD-C2D-C1D	7.89	138.63	124.73
14	B	801	CLA	CMD-C2D-C1D	7.89	138.63	124.73
17	Y	856	BCR	C20-C19-C18	7.88	147.98	126.36
14	H	811	CLA	CMD-C2D-C1D	7.88	138.61	124.73
14	B	814	CLA	CMD-C2D-C1D	7.88	138.60	124.73
14	B	839	CLA	CMD-C2D-C1D	7.87	138.58	124.73
14	A	808	CLA	O2D-CGD-CBD	7.86	124.97	111.23
14	A	835	CLA	CMD-C2D-C1D	7.86	138.57	124.73
13	A	801	CL0	C4A-NA-C1A	7.85	110.26	106.68
14	Q	203	CLA	CMD-C2D-C1D	7.84	138.54	124.73
14	H	817	CLA	CMD-C2D-C1D	7.83	138.52	124.73
14	g	102	CLA	CMD-C2D-C1D	7.83	138.51	124.73
14	H	816	CLA	CMD-C2D-C1D	7.82	138.49	124.73
14	B	823	CLA	CMD-C2D-C1D	7.81	138.49	124.73
17	Q	204	BCR	C24-C23-C22	-7.80	114.70	126.23
14	K	103	CLA	CMD-C2D-C1D	7.79	138.45	124.73
14	H	808	CLA	CMD-C2D-C1D	7.79	138.45	124.73
14	H	827	CLA	CMD-C2D-C1D	7.79	138.45	124.73
17	L	203	BCR	C19-C18-C17	7.79	131.26	119.01
14	Y	838	CLA	CMD-C2D-C1D	7.79	138.45	124.73
17	L	209	BCR	C19-C18-C17	7.78	131.25	119.01
14	G	837	CLA	CMD-C2D-C1D	7.78	138.43	124.73
14	Z	822	CLA	CMD-C2D-C1D	7.76	138.39	124.73
14	H	809	CLA	CMD-C2D-C1D	7.75	138.37	124.73
14	G	810	CLA	CMD-C2D-C1D	7.74	138.36	124.73
14	Z	809	CLA	CMD-C2D-C1D	7.74	138.35	124.73
14	B	811	CLA	CMD-C2D-C1D	7.72	138.33	124.73
14	G	829	CLA	CMD-C2D-C1D	7.72	138.33	124.73
17	A	847	BCR	C19-C18-C17	7.72	131.15	119.01
14	Z	821	CLA	CMD-C2D-C1D	7.71	138.31	124.73
14	A	803	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	A	804	CLA	CMD-C2D-C1D	7.68	138.26	124.73
14	Y	824	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	B	815	CLA	CMD-C2D-C1D	7.67	138.24	124.73
14	g	101	CLA	CMD-C2D-C1D	7.67	138.23	124.73
14	H	814	CLA	CMD-C2D-C1D	7.66	138.22	124.73
14	K	101	CLA	CMD-C2D-C1D	7.66	138.21	124.73
14	H	805	CLA	CMD-C2D-C1D	7.66	138.21	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	826	CLA	CMD-C2D-C1D	7.65	138.19	124.73
14	B	803	CLA	CMD-C2D-C1D	7.64	138.18	124.73
14	H	812	CLA	CMD-C2D-C1D	7.63	138.17	124.73
17	G	854	BCR	C19-C18-C17	7.63	131.01	119.01
14	G	820	CLA	CMD-C2D-C1D	7.63	138.16	124.73
14	G	811	CLA	CMD-C2D-C1D	7.62	138.15	124.73
14	h	206	CLA	C4A-NA-C1A	7.61	110.15	106.68
17	f	103	BCR	C19-C18-C17	7.60	130.97	119.01
14	G	840	CLA	CMD-C2D-C1D	7.60	138.12	124.73
17	J	104	BCR	C24-C23-C22	-7.60	114.99	126.23
14	Z	816	CLA	CMD-C2D-C1D	7.59	138.09	124.73
14	Z	812	CLA	CMD-C2D-C1D	7.59	138.09	124.73
17	V	1202	BCR	C27-C26-C25	-7.58	112.46	122.70
17	L	208	BCR	C24-C23-C22	-7.57	115.04	126.23
14	f	101	CLA	CMD-C2D-C1D	7.57	138.05	124.73
14	B	810	CLA	C1C-C2C-C3C	-7.57	99.02	106.98
14	A	802	CLA	CMD-C2D-C1D	7.55	138.02	124.73
14	H	836	CLA	O2D-CGD-CBD	7.55	124.42	111.23
14	H	803	CLA	C4A-NA-C1A	7.53	110.11	106.68
14	Y	817	CLA	CMD-C2D-C1D	7.53	137.99	124.73
14	U	1002	CLA	CMD-C2D-C1D	7.53	137.98	124.73
14	Y	825	CLA	CMD-C2D-C1D	7.52	137.98	124.73
14	A	822	CLA	C4A-NA-C1A	7.52	110.11	106.68
14	A	819	CLA	CMD-C2D-C1D	7.52	137.97	124.73
14	H	835	CLA	CMD-C2D-C1D	7.51	137.95	124.73
14	B	804	CLA	CMD-C2D-C1D	7.51	137.95	124.73
14	Y	835	CLA	CMD-C2D-C1D	7.50	137.94	124.73
17	A	848	BCR	C19-C18-C17	7.50	130.81	119.01
14	G	834	CLA	CMD-C2D-C1D	7.50	137.94	124.73
14	Z	806	CLA	O2D-CGD-CBD	7.50	124.33	111.23
14	Y	828	CLA	CMD-C2D-C1D	7.49	137.92	124.73
14	A	839	CLA	CMD-C2D-C1D	7.49	137.92	124.73
13	Y	801	CL0	CMD-C2D-C1D	7.49	137.92	124.73
14	Y	823	CLA	CMD-C2D-C1D	7.48	137.91	124.73
14	G	843	CLA	CMD-C2D-C1D	7.48	137.90	124.73
14	G	819	CLA	O2D-CGD-CBD	7.48	124.31	111.23
14	Y	836	CLA	CMD-C2D-C1D	7.48	137.90	124.73
17	f	104	BCR	C20-C19-C18	7.47	146.85	126.36
14	A	838	CLA	CMD-C2D-C1D	7.47	137.88	124.73
14	Z	836	CLA	CMD-C2D-C1D	7.47	137.88	124.73
14	Z	831	CLA	O2D-CGD-CBD	7.47	124.28	111.23
14	H	819	CLA	CMD-C2D-C1D	7.46	137.87	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	807	CLA	O2D-CGD-CBD	7.45	124.26	111.23
14	A	833	CLA	CMD-C2D-C1D	7.45	137.85	124.73
14	Y	803	CLA	O2D-CGD-CBD	7.44	124.24	111.23
14	L	201	CLA	CMD-C2D-C1D	7.43	137.81	124.73
14	L	206	CLA	CMD-C2D-C1D	7.42	137.80	124.73
14	H	822	CLA	C4A-NA-C1A	7.41	110.06	106.68
14	H	828	CLA	CMD-C2D-C1D	7.41	137.78	124.73
14	Z	827	CLA	C4A-NA-C1A	7.40	110.06	106.68
17	Z	844	BCR	C20-C19-C18	7.36	146.54	126.36
17	Y	856	BCR	C19-C18-C17	7.36	130.59	119.01
14	Z	805	CLA	CMD-C2D-C1D	7.33	137.65	124.73
14	G	832	CLA	CMD-C2D-C1D	7.33	137.64	124.73
14	Y	841	CLA	CMD-C2D-C1D	7.33	137.64	124.73
14	Z	807	CLA	C4A-NA-C1A	7.33	110.02	106.68
14	G	817	CLA	CMD-C2D-C1D	7.33	137.64	124.73
14	H	802	CLA	CMD-C2D-C1D	7.32	137.62	124.73
17	G	848	BCR	C19-C18-C17	7.31	130.51	119.01
14	G	825	CLA	CMD-C2D-C1D	7.31	137.60	124.73
14	G	815	CLA	O2D-CGD-CBD	7.30	124.00	111.23
14	A	830	CLA	CMD-C2D-C1D	7.30	137.58	124.73
14	H	810	CLA	CMD-C2D-C1D	7.30	137.58	124.73
14	Y	840	CLA	CMD-C2D-C1D	7.30	137.58	124.73
14	G	806	CLA	CMD-C2D-C1D	7.30	137.57	124.73
14	B	809	CLA	CMD-C2D-C1D	7.29	137.57	124.73
14	A	804	CLA	O2D-CGD-CBD	7.29	123.97	111.23
14	Z	817	CLA	CMD-C2D-C1D	7.28	137.55	124.73
14	H	837	CLA	CMD-C2D-C1D	7.28	137.55	124.73
14	B	825	CLA	CMD-C2D-C1D	7.27	137.53	124.73
14	H	813	CLA	CMD-C2D-C1D	7.27	137.53	124.73
14	Y	819	CLA	O2D-CGD-CBD	7.27	123.93	111.23
14	B	826	CLA	CMD-C2D-C1D	7.26	137.51	124.73
14	Y	842	CLA	CMD-C2D-C1D	7.26	137.51	124.73
17	G	846	BCR	C27-C26-C25	-7.25	112.91	122.70
14	V	1201	CLA	CMD-C2D-C1D	7.25	137.49	124.73
14	A	805	CLA	CMD-C2D-C1D	7.24	137.48	124.73
14	H	823	CLA	CMD-C2D-C1D	7.24	137.48	124.73
14	G	808	CLA	C4A-NA-C1A	7.23	109.98	106.68
14	B	817	CLA	CMD-C2D-C1D	7.22	137.44	124.73
14	Y	804	CLA	O2D-CGD-CBD	7.21	123.83	111.23
14	Z	810	CLA	CMD-C2D-C1D	7.20	137.40	124.73
14	A	852	CLA	CMD-C2D-C1D	7.17	137.36	124.73
14	T	103	CLA	CMD-C2D-C1D	7.17	137.35	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	832	CLA	C4A-NA-C1A	7.17	109.95	106.68
14	B	804	CLA	C4A-NA-C1A	7.16	109.95	106.68
14	G	803	CLA	CMD-C2D-C1D	7.15	137.33	124.73
14	Z	802	CLA	CMD-C2D-C1D	7.15	137.33	124.73
17	F	203	BCR	C33-C5-C6	-7.14	116.69	124.48
14	Z	814	CLA	O2D-CGD-CBD	7.14	123.70	111.23
17	H	843	BCR	C19-C18-C17	7.12	130.21	119.01
14	Y	820	CLA	CMD-C2D-C1D	7.09	137.21	124.73
14	G	813	CLA	OBD-CAD-C3D	-7.08	111.87	128.42
14	G	822	CLA	C4A-NA-C1A	7.08	109.91	106.68
14	Z	838	CLA	CMD-C2D-C1D	7.07	137.19	124.73
14	G	802	CLA	CMD-C2D-C1D	7.07	137.19	124.73
14	Y	805	CLA	O2D-CGD-CBD	7.07	123.60	111.23
17	B	846	BCR	C19-C18-C17	7.07	130.12	119.01
14	L	205	CLA	CMD-C2D-C1D	7.06	137.17	124.73
14	Z	808	CLA	CMD-C2D-C1D	7.05	137.15	124.73
14	Y	814	CLA	CMD-C2D-C1D	7.05	137.15	124.73
14	U	1003	CLA	O2D-CGD-CBD	7.05	123.55	111.23
17	B	851	BCR	C19-C18-C17	7.05	130.09	119.01
14	B	841	CLA	C4A-NA-C1A	7.04	109.89	106.68
14	Y	831	CLA	O2D-CGD-CBD	7.03	123.52	111.23
14	A	831	CLA	O2D-CGD-CBD	7.03	123.51	111.23
14	Y	854	CLA	O2D-CGD-CBD	7.03	123.51	111.23
14	Q	201	CLA	C4A-NA-C1A	7.03	109.88	106.68
17	R	102	BCR	C19-C18-C17	7.01	130.04	119.01
14	F	202	CLA	CMD-C2D-C1D	7.01	137.07	124.73
14	Z	803	CLA	C4A-NA-C1A	7.01	109.88	106.68
14	A	808	CLA	CMD-C2D-C1D	7.00	137.06	124.73
14	h	206	CLA	C1D-ND-C4D	-7.00	101.40	106.31
14	H	825	CLA	CMD-C2D-C1D	6.99	137.03	124.73
14	B	840	CLA	CMD-C2D-C1D	6.98	137.03	124.73
14	A	830	CLA	O2D-CGD-CBD	6.98	123.42	111.23
14	Y	815	CLA	O2D-CGD-CBD	6.97	123.42	111.23
14	A	852	CLA	O2D-CGD-CBD	6.96	123.40	111.23
14	G	808	CLA	CMD-C2D-C1D	6.95	136.96	124.73
14	B	809	CLA	C4A-NA-C1A	6.95	109.85	106.68
14	H	829	CLA	CMD-C2D-C1D	6.94	136.95	124.73
14	B	809	CLA	O2D-CGD-CBD	6.92	123.33	111.23
14	A	815	CLA	C1D-ND-C4D	-6.91	101.46	106.31
14	Z	824	CLA	CMD-C2D-C1D	6.90	136.88	124.73
14	Z	802	CLA	C4A-NA-C1A	6.90	109.83	106.68
14	Q	201	CLA	O2D-CGD-CBD	6.90	123.29	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	845	BCR	C19-C18-C17	6.90	129.86	119.01
14	Y	814	CLA	O2D-CGD-CBD	6.90	123.29	111.23
14	Y	816	CLA	O2D-CGD-CBD	6.89	123.27	111.23
14	G	814	CLA	CAA-C2A-C3A	-6.88	94.40	113.00
17	U	1005	BCR	C19-C18-C17	6.88	129.82	119.01
14	h	207	CLA	CMD-C2D-C1D	6.88	136.84	124.73
14	B	816	CLA	CMD-C2D-C1D	6.87	136.84	124.73
14	Z	823	CLA	O2D-CGD-CBD	6.87	123.24	111.23
14	H	801	CLA	O2D-CGD-CBD	6.87	123.23	111.23
14	B	829	CLA	C4A-NA-C1A	6.87	109.81	106.68
14	L	207	CLA	CMD-C2D-C1D	6.86	136.82	124.73
17	Y	846	BCR	C19-C18-C17	6.86	129.80	119.01
14	Z	838	CLA	O2D-CGD-CBD	6.86	123.22	111.23
17	U	1005	BCR	C24-C23-C22	-6.86	116.09	126.23
14	H	807	CLA	C2C-C1C-NC	6.85	117.18	109.98
14	B	811	CLA	O2D-CGD-CBD	6.84	123.19	111.23
14	G	808	CLA	O2D-CGD-CBD	6.84	123.19	111.23
14	B	826	CLA	O2D-CGD-CBD	6.84	123.19	111.23
14	A	829	CLA	CMD-C2D-C1D	6.83	136.76	124.73
14	H	808	CLA	C4A-NA-C1A	6.83	109.80	106.68
14	Z	813	CLA	C4A-NA-C1A	6.83	109.80	106.68
17	B	847	BCR	C24-C23-C22	-6.82	116.15	126.23
14	Y	818	CLA	O2D-CGD-CBD	6.81	123.14	111.23
14	G	827	CLA	CMD-C2D-C1D	6.80	136.71	124.73
14	Z	815	CLA	CMD-C2D-C1D	6.80	136.70	124.73
13	G	801	CL0	C4A-NA-C1A	6.79	109.78	106.68
14	V	1201	CLA	O2D-CGD-CBD	6.78	123.08	111.23
14	H	806	CLA	CMD-C2D-C1D	6.77	136.65	124.73
14	G	833	CLA	CMD-C2D-C1D	6.76	136.63	124.73
17	Q	204	BCR	C19-C18-C17	6.76	129.64	119.01
13	A	801	CL0	O2A-CGA-O1A	-6.74	106.77	123.63
14	L	202	CLA	C4A-NA-C1A	6.73	109.75	106.68
14	S	1101	CLA	O2D-CGD-CBD	6.73	123.00	111.23
17	J	104	BCR	C36-C18-C17	-6.73	111.91	122.82
14	B	830	CLA	O2D-CGD-CBD	6.72	122.98	111.23
14	B	824	CLA	CMD-C2D-C1D	6.72	136.56	124.73
14	B	806	CLA	C4A-NA-C1A	6.72	109.74	106.68
17	F	203	BCR	C19-C18-C17	6.71	129.57	119.01
14	A	815	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	Y	808	CLA	C4A-NA-C1A	6.71	109.74	106.68
14	H	828	CLA	C4A-NA-C1A	6.70	109.74	106.68
17	U	1008	BCR	C27-C26-C25	-6.69	113.67	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	830	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	H	815	CLA	O2D-CGD-CBD	6.68	122.92	111.23
14	Y	854	CLA	CMD-C2D-C1D	6.68	136.50	124.73
14	Y	805	CLA	C1D-ND-C4D	-6.68	101.62	106.31
17	V	1202	BCR	C31-C1-C6	-6.68	99.77	110.24
17	H	848	BCR	C19-C18-C17	6.68	129.51	119.01
17	Z	841	BCR	C19-C18-C17	6.66	129.48	119.01
14	U	1002	CLA	C4A-NA-C1A	6.65	109.72	106.68
17	V	1202	BCR	C37-C22-C21	-6.65	112.04	122.82
14	L	201	CLA	O2D-CGD-CBD	6.65	122.86	111.23
14	d	202	CLA	CMD-C2D-C1D	6.65	136.43	124.73
14	H	806	CLA	O2D-CGD-CBD	6.63	122.83	111.23
14	B	837	CLA	O2D-CGD-CBD	6.63	122.82	111.23
14	H	828	CLA	C1C-C2C-C3C	-6.63	100.01	106.98
14	Z	808	CLA	C2C-C1C-NC	6.63	116.94	109.98
14	A	804	CLA	C4A-NA-C1A	6.62	109.70	106.68
14	Z	808	CLA	C1C-C2C-C3C	-6.62	100.02	106.98
14	G	830	CLA	C2C-C1C-NC	6.61	116.93	109.98
14	A	842	CLA	C4A-NA-C1A	6.61	109.69	106.68
14	H	835	CLA	C1D-ND-C4D	-6.59	101.69	106.31
14	B	837	CLA	CMD-C2D-C1D	6.59	136.33	124.73
14	B	841	CLA	O2D-CGD-CBD	6.58	122.74	111.23
14	B	834	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	Z	829	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	H	803	CLA	CMD-C2D-C1D	6.57	136.31	124.73
14	Y	802	CLA	CMD-C2D-C1D	6.57	136.30	124.73
17	H	848	BCR	C23-C24-C25	-6.55	109.49	127.00
14	Z	814	CLA	C1D-ND-C4D	-6.55	101.72	106.31
14	H	827	CLA	C4A-NA-C1A	6.55	109.67	106.68
14	Z	826	CLA	CMD-C2D-C1D	6.55	136.25	124.73
14	H	827	CLA	C2D-C1D-ND	6.54	116.60	110.13
14	H	827	CLA	C1D-ND-C4D	-6.54	101.72	106.31
14	H	823	CLA	C2C-C1C-NC	6.54	116.85	109.98
14	Z	813	CLA	O2D-CGD-CBD	6.52	122.63	111.23
17	h	202	BCR	C27-C26-C25	-6.51	113.91	122.70
14	Z	822	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	Z	806	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	Z	827	CLA	C2C-C1C-NC	6.50	116.81	109.98
14	Z	819	CLA	C1C-C2C-C3C	-6.50	100.15	106.98
17	Z	842	BCR	C19-C18-C17	6.49	129.22	119.01
14	Z	807	CLA	O2D-CGD-CBD	6.49	122.57	111.23
14	H	835	CLA	C4A-NA-C1A	6.49	109.64	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1004	CLA	CMD-C2D-C1D	6.48	136.15	124.73
14	H	808	CLA	C2C-C1C-NC	6.48	116.79	109.98
14	A	837	CLA	C1D-ND-C4D	-6.48	101.76	106.31
14	B	833	CLA	C1D-ND-C4D	-6.47	101.77	106.31
14	B	831	CLA	O2D-CGD-CBD	6.47	122.54	111.23
14	B	824	CLA	C4A-NA-C1A	6.47	109.63	106.68
17	L	209	BCR	C33-C5-C6	-6.47	117.43	124.48
14	Y	808	CLA	O2D-CGD-CBD	6.47	122.53	111.23
14	H	838	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	H	828	CLA	O2D-CGD-CBD	6.46	122.52	111.23
14	B	813	CLA	O2A-CGA-O1A	-6.46	107.48	123.63
14	Y	824	CLA	O2D-CGD-CBD	6.45	122.51	111.23
14	A	806	CLA	C3B-C2B-C1B	-6.45	99.56	107.17
14	G	832	CLA	C4A-NA-C1A	6.44	109.62	106.68
17	h	202	BCR	C37-C22-C21	-6.43	112.39	122.82
14	A	813	CLA	C2C-C1C-NC	6.43	116.74	109.98
14	B	830	CLA	C2C-C1C-NC	6.43	116.74	109.98
14	Y	806	CLA	O2D-CGD-CBD	6.42	122.46	111.23
14	G	822	CLA	C1D-ND-C4D	-6.42	101.81	106.31
17	A	849	BCR	C32-C1-C6	6.42	120.31	110.24
14	H	818	CLA	C2C-C1C-NC	6.42	116.72	109.98
14	Y	807	CLA	C1D-ND-C4D	-6.42	101.81	106.31
14	A	821	CLA	O2D-CGD-CBD	6.42	122.45	111.23
14	H	824	CLA	C1C-C2C-C3C	-6.42	100.23	106.98
14	A	829	CLA	C2C-C1C-NC	6.42	116.72	109.98
17	Q	204	BCR	C39-C30-C25	-6.41	100.19	110.24
14	A	842	CLA	C1D-ND-C4D	-6.41	101.81	106.31
14	Z	813	CLA	C2C-C1C-NC	6.41	116.71	109.98
14	Y	826	CLA	O2D-CGD-CBD	6.41	122.43	111.23
14	Y	825	CLA	C4A-NA-C1A	6.41	109.60	106.68
14	A	822	CLA	C2C-C1C-NC	6.41	116.71	109.98
14	H	832	CLA	C2C-C1C-NC	6.40	116.71	109.98
14	H	807	CLA	CMD-C2D-C1D	6.40	136.00	124.73
14	Y	808	CLA	CMD-C2D-C1D	6.40	135.99	124.73
14	Y	830	CLA	C1C-C2C-C3C	-6.39	100.25	106.98
14	G	839	CLA	C4A-NA-C1A	6.39	109.60	106.68
17	J	103	BCR	C19-C18-C17	6.39	129.06	119.01
17	H	844	BCR	C19-C18-C17	6.39	129.05	119.01
17	B	846	BCR	C23-C24-C25	-6.38	109.96	127.00
14	A	825	CLA	C4A-NA-C1A	6.38	109.59	106.68
14	Y	825	CLA	C2C-C1C-NC	6.37	116.68	109.98
14	G	802	CLA	C1-O2A-CGA	6.36	132.05	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	j	102	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	H	824	CLA	O2D-CGD-CBD	6.36	122.34	111.23
17	B	847	BCR	C11-C10-C9	6.35	136.19	127.28
14	Z	839	CLA	O2A-CGA-O1A	-6.35	107.74	123.63
14	Y	804	CLA	C4A-NA-C1A	6.35	109.58	106.68
14	h	206	CLA	O2A-CGA-O1A	-6.35	107.76	123.63
13	Y	801	CL0	O2D-CGD-CBD	6.34	122.32	111.23
14	Y	821	CLA	CMD-C2D-C1D	6.34	135.90	124.73
14	H	808	CLA	C1C-C2C-C3C	-6.34	100.31	106.98
14	Z	813	CLA	CMD-C2D-C1D	6.34	135.89	124.73
14	A	832	CLA	C2C-C1C-NC	6.33	116.63	109.98
14	B	832	CLA	O2D-CGD-CBD	6.33	122.30	111.23
14	G	805	CLA	C1D-ND-C4D	-6.33	101.87	106.31
14	H	801	CLA	C3B-C2B-C1B	-6.32	99.72	107.17
14	A	809	CLA	C2C-C1C-NC	6.32	116.62	109.98
14	Z	803	CLA	CMD-C2D-C1D	6.31	135.85	124.73
14	Y	811	CLA	C1C-C2C-C3C	-6.31	100.34	106.98
14	G	822	CLA	C2C-C1C-NC	6.31	116.61	109.98
17	f	103	BCR	C36-C18-C17	-6.31	112.60	122.82
14	B	829	CLA	CMD-C2D-C1D	6.31	135.83	124.73
14	Y	834	CLA	CMD-C2D-C1D	6.30	135.83	124.73
14	Y	835	CLA	O2D-CGD-CBD	6.30	122.25	111.23
14	Y	842	CLA	C1D-ND-C4D	-6.30	101.89	106.31
17	S	1104	BCR	C33-C5-C6	-6.30	117.61	124.48
14	Z	807	CLA	CMD-C2D-C1D	6.30	135.82	124.73
17	Y	848	BCR	C19-C18-C17	6.30	128.91	119.01
14	T	103	CLA	C2C-C1C-NC	6.29	116.59	109.98
14	d	201	CLA	C1D-ND-C4D	-6.29	101.90	106.31
17	f	104	BCR	C36-C18-C17	-6.28	112.64	122.82
14	Z	801	CLA	CMD-C2D-C1D	6.28	135.79	124.73
14	Z	836	CLA	C4A-NA-C1A	6.28	109.54	106.68
14	Z	819	CLA	O2D-CGD-CBD	6.28	122.20	111.23
17	K	102	BCR	C19-C18-C17	6.27	128.88	119.01
14	Y	823	CLA	O2D-CGD-CBD	6.27	122.19	111.23
14	A	825	CLA	C2C-C1C-NC	6.27	116.57	109.98
14	Y	842	CLA	O2A-CGA-O1A	-6.27	107.94	123.63
14	B	822	CLA	O2D-CGD-CBD	6.27	122.19	111.23
14	Z	803	CLA	O2A-CGA-O1A	-6.27	107.95	123.63
14	Y	812	CLA	C4A-NA-C1A	6.27	109.54	106.68
14	A	812	CLA	C2C-C1C-NC	6.26	116.56	109.98
14	G	804	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	Z	826	CLA	O2D-CGD-CBD	6.26	122.17	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	805	CLA	C4A-NA-C1A	6.26	109.53	106.68
14	B	808	CLA	C2C-C1C-NC	6.26	116.55	109.98
14	h	207	CLA	O2A-CGA-O1A	-6.25	107.99	123.63
17	G	854	BCR	C36-C18-C17	-6.25	112.69	122.82
14	B	806	CLA	C1D-ND-C4D	-6.25	101.93	106.31
13	A	801	CL0	CMD-C2D-C1D	6.25	135.73	124.73
17	Y	847	BCR	C19-C18-C17	6.24	128.82	119.01
18	Y	853	LHG	O7-C7-C8	6.23	122.19	111.09
14	H	823	CLA	O2D-CGD-CBD	6.22	122.11	111.23
14	Z	814	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	G	816	CLA	C2C-C1C-NC	6.22	116.51	109.98
14	G	815	CLA	C3B-C2B-C1B	-6.22	99.84	107.17
17	G	849	BCR	C24-C23-C22	-6.21	117.05	126.23
14	B	838	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	B	829	CLA	C2C-C1C-NC	6.20	116.49	109.98
14	H	829	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	H	834	CLA	C1D-ND-C4D	-6.20	101.96	106.31
14	Y	840	CLA	C4A-NA-C1A	6.20	109.51	106.68
14	H	816	CLA	O2D-CGD-CBD	6.20	122.06	111.23
14	H	836	CLA	C2D-C1D-ND	6.19	116.25	110.13
14	Y	804	CLA	C1C-C2C-C3C	-6.19	100.47	106.98
17	Q	204	BCR	C27-C26-C25	-6.19	114.34	122.70
14	Y	811	CLA	C2C-C1C-NC	6.19	116.48	109.98
14	A	830	CLA	C2C-C1C-NC	6.19	116.48	109.98
17	F	201	BCR	C8-C7-C6	-6.19	110.47	127.00
14	Z	815	CLA	O2A-CGA-O1A	-6.19	108.15	123.63
14	H	834	CLA	O2D-CGD-CBD	6.18	122.04	111.23
14	A	835	CLA	O2D-CGD-CBD	6.18	122.04	111.23
17	Y	847	BCR	C24-C23-C22	-6.18	117.09	126.23
14	H	828	CLA	C2C-C1C-NC	6.18	116.47	109.98
17	h	203	BCR	C23-C24-C25	-6.18	110.50	127.00
14	L	201	CLA	C4A-NA-C1A	6.17	109.50	106.68
14	A	818	CLA	O2D-CGD-CBD	6.17	122.02	111.23
14	B	809	CLA	C1C-C2C-C3C	-6.17	100.49	106.98
14	Y	838	CLA	C4A-NA-C1A	6.17	109.49	106.68
14	B	813	CLA	C2C-C1C-NC	6.17	116.46	109.98
14	B	825	CLA	C1D-ND-C4D	-6.16	101.99	106.31
14	B	834	CLA	C1C-C2C-C3C	-6.15	100.51	106.98
14	H	836	CLA	C1D-ND-C4D	-6.15	101.99	106.31
17	F	203	BCR	C23-C22-C21	6.15	128.69	119.01
14	Y	834	CLA	C2D-C1D-ND	6.15	116.21	110.13
14	L	202	CLA	C2D-C1D-ND	6.15	116.21	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	807	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	B	833	CLA	O2D-CGD-CBD	6.14	121.97	111.23
14	d	202	CLA	C2C-C1C-NC	6.14	116.43	109.98
14	A	802	CLA	O2A-CGA-O1A	-6.14	108.27	123.63
14	Y	804	CLA	C2C-C1C-NC	6.14	116.43	109.98
14	Z	805	CLA	C2C-C1C-NC	6.14	116.43	109.98
14	B	833	CLA	C2D-C1D-ND	6.13	116.20	110.13
14	S	1101	CLA	C3B-C2B-C1B	-6.13	99.94	107.17
14	B	833	CLA	C4A-NA-C1A	6.13	109.48	106.68
13	G	801	CL0	O2A-CGA-CBA	6.13	130.53	111.83
14	B	829	CLA	O2A-CGA-O1A	-6.13	108.30	123.63
14	G	832	CLA	C1C-C2C-C3C	-6.13	100.54	106.98
14	L	202	CLA	C1D-ND-C4D	-6.13	102.01	106.31
14	B	838	CLA	C1D-ND-C4D	-6.12	102.02	106.31
14	Y	855	CLA	CMD-C2D-C1D	6.12	135.51	124.73
14	L	201	CLA	C3D-C2D-C1D	-6.12	97.48	105.83
14	B	836	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	Z	823	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	G	823	CLA	C1D-ND-C4D	-6.12	102.02	106.31
14	B	831	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	G	804	CLA	C1C-C2C-C3C	-6.12	100.55	106.98
14	L	206	CLA	O2A-CGA-O1A	-6.12	108.33	123.63
14	Q	201	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	H	807	CLA	O2A-CGA-O1A	-6.12	108.33	123.63
17	h	202	BCR	C23-C22-C21	6.12	128.63	119.01
14	Z	834	CLA	O2D-CGD-CBD	6.12	121.92	111.23
14	B	817	CLA	O2A-CGA-O1A	-6.11	108.34	123.63
14	H	819	CLA	C1C-C2C-C3C	-6.11	100.56	106.98
14	G	832	CLA	C2C-C1C-NC	6.11	116.40	109.98
14	H	816	CLA	C2D-C1D-ND	6.10	116.17	110.13
17	I	101	BCR	C8-C7-C6	-6.10	110.70	127.00
14	Z	813	CLA	C3B-C2B-C1B	-6.10	99.98	107.17
14	H	821	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	A	826	CLA	C1D-ND-C4D	-6.10	102.03	106.31
14	U	1004	CLA	O2D-CGD-CBD	6.10	121.89	111.23
17	d	203	BCR	C19-C18-C17	6.10	128.60	119.01
14	A	808	CLA	O2A-CGA-O1A	-6.10	108.38	123.63
17	B	846	BCR	C37-C22-C21	-6.10	112.94	122.82
14	B	803	CLA	C4A-NA-C1A	6.09	109.46	106.68
14	Y	841	CLA	C1D-ND-C4D	-6.09	102.04	106.31
14	Z	837	CLA	C1C-C2C-C3C	-6.09	100.57	106.98
14	B	829	CLA	C1C-C2C-C3C	-6.09	100.58	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	815	CLA	C2D-C1D-ND	6.09	116.15	110.13
14	H	801	CLA	CMD-C2D-C1D	6.08	135.44	124.73
17	f	105	BCR	C19-C18-C17	6.08	128.58	119.01
14	H	819	CLA	C2D-C1D-ND	6.08	116.15	110.13
14	Z	827	CLA	C1C-C2C-C3C	-6.08	100.58	106.98
17	V	1202	BCR	C19-C18-C17	6.07	128.56	119.01
14	Y	817	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	H	837	CLA	C2C-C1C-NC	6.07	116.36	109.98
14	G	815	CLA	C2C-C1C-NC	6.06	116.35	109.98
14	H	819	CLA	C4A-NA-C1A	6.06	109.44	106.68
14	A	852	CLA	C1C-C2C-C3C	-6.06	100.60	106.98
17	H	844	BCR	C8-C7-C6	-6.06	110.81	127.00
14	V	1201	CLA	C2D-C1D-ND	6.06	116.12	110.13
14	H	828	CLA	O2A-CGA-O1A	-6.06	108.47	123.63
14	H	826	CLA	C4A-NA-C1A	6.05	109.44	106.68
14	B	821	CLA	C2C-C1C-NC	6.05	116.34	109.98
14	G	818	CLA	O2D-CGD-CBD	6.05	121.81	111.23
14	G	838	CLA	C2C-C1C-NC	6.05	116.34	109.98
14	H	815	CLA	C4A-NA-C1A	6.05	109.44	106.68
14	B	833	CLA	CMD-C2D-C1D	6.05	135.37	124.73
14	G	812	CLA	C2C-C1C-NC	6.04	116.33	109.98
14	A	802	CLA	O2D-CGD-CBD	6.04	121.79	111.23
14	Z	822	CLA	C2C-C1C-NC	6.04	116.33	109.98
14	A	802	CLA	C2C-C1C-NC	6.04	116.33	109.98
14	H	801	CLA	O2A-CGA-O1A	-6.04	108.52	123.63
14	H	810	CLA	O2D-CGD-CBD	6.04	121.79	111.23
14	B	834	CLA	C2C-C1C-NC	6.04	116.32	109.98
14	G	841	CLA	CMD-C2D-C1D	6.04	135.36	124.73
14	B	815	CLA	C4A-NA-C1A	6.03	109.43	106.68
14	G	815	CLA	C1C-C2C-C3C	-6.03	100.64	106.98
14	B	803	CLA	C1D-ND-C4D	-6.03	102.08	106.31
14	B	841	CLA	C1D-ND-C4D	-6.02	102.08	106.31
14	Y	838	CLA	C1D-ND-C4D	-6.02	102.09	106.31
14	Y	820	CLA	O2D-CGD-CBD	6.02	121.76	111.23
14	S	1102	CLA	C2C-C1C-NC	6.02	116.31	109.98
14	Y	843	CLA	C3B-C2B-C1B	-6.02	100.07	107.17
14	B	820	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	H	812	CLA	O2A-CGA-O1A	-6.02	108.58	123.63
14	G	822	CLA	C1C-C2C-C3C	-6.02	100.65	106.98
14	Y	833	CLA	C2C-C1C-NC	6.01	116.30	109.98
14	F	202	CLA	C2C-C1C-NC	6.01	116.30	109.98
14	Y	832	CLA	O2A-CGA-O1A	-6.01	108.59	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	830	CLA	C4A-NA-C1A	6.00	109.42	106.68
14	H	838	CLA	O2A-CGA-O1A	-6.00	108.62	123.63
14	H	821	CLA	C1C-C2C-C3C	-6.00	100.67	106.98
14	G	806	CLA	C1D-ND-C4D	-5.99	102.11	106.31
14	G	843	CLA	C1D-ND-C4D	-5.99	102.11	106.31
14	A	837	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	Y	826	CLA	C1C-C2C-C3C	-5.99	100.68	106.98
14	A	807	CLA	C1D-ND-C4D	-5.99	102.11	106.31
14	B	808	CLA	C1C-C2C-C3C	-5.99	100.68	106.98
14	A	811	CLA	C2C-C1C-NC	5.98	116.27	109.98
14	B	828	CLA	C4A-NA-C1A	5.98	109.41	106.68
14	A	838	CLA	O2D-CGD-CBD	5.98	121.69	111.23
14	Y	839	CLA	O2A-CGA-O1A	-5.98	108.66	123.63
14	G	806	CLA	C3B-C2B-C1B	-5.98	100.12	107.17
14	U	1004	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	K	103	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	Y	829	CLA	C2C-C1C-NC	5.98	116.26	109.98
14	h	206	CLA	C2D-C1D-ND	5.98	116.04	110.13
14	B	839	CLA	O2D-CGD-CBD	5.98	121.68	111.23
14	B	828	CLA	C2C-C1C-NC	5.98	116.26	109.98
17	h	203	BCR	C34-C9-C8	5.97	127.21	118.09
17	G	854	BCR	C30-C25-C26	-5.97	114.47	122.64
14	H	836	CLA	C3D-C2D-C1D	-5.97	97.68	105.83
14	G	842	CLA	CMD-C2D-C1D	5.97	135.24	124.73
14	Y	805	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	B	805	CLA	C4A-NA-C1A	5.97	109.40	106.68
17	U	1008	BCR	C19-C18-C17	5.97	128.39	119.01
14	Y	839	CLA	C2C-C1C-NC	5.96	116.25	109.98
14	H	826	CLA	C3D-C2D-C1D	-5.96	97.69	105.83
14	T	101	CLA	C2C-C1C-NC	5.96	116.25	109.98
14	U	1002	CLA	C1D-ND-C4D	-5.96	102.13	106.31
14	A	816	CLA	C2C-C1C-NC	5.96	116.24	109.98
14	B	832	CLA	C1D-ND-C4D	-5.96	102.13	106.31
14	H	820	CLA	C1D-ND-C4D	-5.96	102.13	106.31
14	B	807	CLA	C2C-C1C-NC	5.96	116.24	109.98
14	A	822	CLA	C1C-C2C-C3C	-5.95	100.72	106.98
14	A	822	CLA	C2D-C1D-ND	5.95	116.02	110.13
14	A	852	CLA	C2C-C1C-NC	5.95	116.23	109.98
14	g	102	CLA	C2C-C1C-NC	5.95	116.23	109.98
14	B	818	CLA	C3D-C2D-C1D	-5.95	97.71	105.83
14	G	821	CLA	C3B-C2B-C1B	-5.95	100.16	107.17
14	Z	803	CLA	C3B-C2B-C1B	-5.95	100.16	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	815	CLA	C3B-C2B-C1B	-5.95	100.16	107.17
14	Y	832	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	Z	837	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	G	834	CLA	C3B-C2B-C1B	-5.94	100.16	107.17
14	Z	829	CLA	C1D-ND-C4D	-5.94	102.14	106.31
14	G	803	CLA	C3B-C2B-C1B	-5.94	100.17	107.17
14	G	825	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	B	818	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	H	831	CLA	C2C-C1C-NC	5.94	116.22	109.98
17	F	201	BCR	C19-C18-C17	5.93	128.34	119.01
14	H	834	CLA	C2D-C1D-ND	5.93	115.99	110.13
17	Y	849	BCR	C19-C18-C17	5.93	128.34	119.01
14	Q	201	CLA	C1C-C2C-C3C	-5.93	100.75	106.98
14	H	838	CLA	C1D-ND-C4D	-5.93	102.15	106.31
17	H	843	BCR	C23-C22-C21	5.92	128.33	119.01
14	Z	823	CLA	C3B-C2B-C1B	-5.92	100.19	107.17
17	H	843	BCR	C36-C18-C17	-5.92	113.22	122.82
14	Z	836	CLA	C1D-ND-C4D	-5.92	102.16	106.31
14	T	103	CLA	C1C-C2C-C3C	-5.92	100.75	106.98
14	A	822	CLA	C1D-ND-C4D	-5.92	102.16	106.31
17	B	846	BCR	C23-C22-C21	5.92	128.32	119.01
14	G	843	CLA	O2D-CGD-CBD	5.92	121.58	111.23
14	U	1004	CLA	C3B-C2B-C1B	-5.92	100.19	107.17
14	A	838	CLA	O2A-CGA-O1A	-5.92	108.83	123.63
14	H	805	CLA	C3B-C2B-C1B	-5.91	100.20	107.17
14	Y	808	CLA	O2A-CGA-O1A	-5.91	108.84	123.63
14	d	201	CLA	C4A-NA-C1A	5.91	109.37	106.68
14	Z	804	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	B	806	CLA	O2D-CGD-CBD	5.90	121.55	111.23
14	Y	839	CLA	C1D-ND-C4D	-5.90	102.17	106.31
14	Y	833	CLA	C1C-C2C-C3C	-5.90	100.77	106.98
14	Y	803	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	A	807	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	G	841	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	Y	840	CLA	O2D-CGD-CBD	5.90	121.54	111.23
14	Y	820	CLA	C4A-NA-C1A	5.90	109.37	106.68
14	Z	833	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	B	832	CLA	C2C-C1C-NC	5.90	116.18	109.98
14	B	839	CLA	O2A-CGA-O1A	-5.89	108.17	123.33
14	L	201	CLA	C2D-C1D-ND	5.89	115.96	110.13
14	Z	804	CLA	C4A-NA-C1A	5.89	109.37	106.68
14	B	817	CLA	C3B-C2B-C1B	-5.89	100.23	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	813	CLA	C3B-C2B-C1B	-5.89	100.23	107.17
14	G	810	CLA	C1D-ND-C4D	-5.88	102.18	106.31
14	B	810	CLA	O2D-CGD-CBD	5.88	121.52	111.23
14	U	1002	CLA	C2D-C1D-ND	5.88	115.95	110.13
14	H	814	CLA	C4A-NA-C1A	5.88	109.36	106.68
14	Q	203	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	B	823	CLA	C2C-C1C-NC	5.88	116.16	109.98
14	Y	826	CLA	C3B-C2B-C1B	-5.88	100.24	107.17
14	G	830	CLA	C1C-C2C-C3C	-5.88	100.80	106.98
14	B	801	CLA	O2A-CGA-O1A	-5.88	108.93	123.63
14	Y	839	CLA	C4A-NA-C1A	5.88	109.36	106.68
14	Z	809	CLA	C4A-NA-C1A	5.88	109.36	106.68
14	G	837	CLA	C1D-ND-C4D	-5.88	102.19	106.31
14	H	813	CLA	C3B-C2B-C1B	-5.88	100.24	107.17
17	R	102	BCR	C24-C23-C22	-5.87	117.54	126.23
14	A	816	CLA	O2D-CGD-CBD	5.87	121.50	111.23
14	A	824	CLA	C3B-C2B-C1B	-5.87	100.25	107.17
14	Y	819	CLA	O2A-CGA-O1A	-5.87	108.95	123.63
17	B	848	BCR	C36-C18-C17	-5.87	113.31	122.82
14	H	831	CLA	C1C-C2C-C3C	-5.87	100.81	106.98
14	Z	819	CLA	C2C-C1C-NC	5.87	116.14	109.98
14	Z	823	CLA	C1C-C2C-C3C	-5.86	100.81	106.98
14	Z	807	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	L	202	CLA	C3D-C2D-C1D	-5.86	97.83	105.83
17	G	848	BCR	C30-C25-C26	-5.86	114.63	122.64
14	H	801	CLA	C4A-NA-C1A	5.86	109.35	106.68
14	G	820	CLA	C2C-C1C-NC	5.86	116.14	109.98
14	B	814	CLA	O2D-CGD-CBD	5.86	121.48	111.23
14	U	1006	CLA	C2D-C1D-ND	5.86	115.93	110.13
17	Z	844	BCR	C36-C18-C17	-5.86	113.33	122.82
14	L	205	CLA	C2C-C1C-NC	5.86	116.13	109.98
14	A	821	CLA	C1D-ND-C4D	-5.85	102.20	106.31
14	Y	825	CLA	C1C-C2C-C3C	-5.85	100.82	106.98
14	B	806	CLA	O2A-CGA-O1A	-5.85	108.99	123.63
14	A	838	CLA	C2D-C1D-ND	5.85	115.92	110.13
14	J	102	CLA	O2D-CGD-CBD	5.85	121.46	111.23
14	Z	837	CLA	O2D-CGD-CBD	5.85	121.46	111.23
14	H	814	CLA	C3B-C2B-C1B	-5.85	100.27	107.17
14	Y	804	CLA	C1D-ND-C4D	-5.85	102.21	106.31
14	H	836	CLA	O2A-CGA-O1A	-5.85	108.29	123.33
14	Z	801	CLA	C4A-NA-C1A	5.85	109.35	106.68
14	Z	820	CLA	C2C-C1C-NC	5.85	116.12	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1201	CLA	C1D-ND-C4D	-5.85	102.21	106.31
14	B	830	CLA	C1C-C2C-C3C	-5.85	100.83	106.98
14	Y	854	CLA	C4A-NA-C1A	5.85	109.35	106.68
14	H	819	CLA	O2D-CGD-CBD	5.84	121.45	111.23
14	L	202	CLA	C2C-C1C-NC	5.84	116.12	109.98
14	G	833	CLA	C4A-NA-C1A	5.84	109.34	106.68
14	H	816	CLA	C1D-ND-C4D	-5.84	102.21	106.31
14	Y	839	CLA	C2D-C1D-ND	5.84	115.91	110.13
14	A	814	CLA	C2C-C1C-NC	5.84	116.12	109.98
14	H	824	CLA	C3B-C2B-C1B	-5.84	100.28	107.17
14	A	814	CLA	C4A-NA-C1A	5.84	109.34	106.68
14	G	810	CLA	O2D-CGD-CBD	5.84	121.44	111.23
14	B	806	CLA	C1C-C2C-C3C	-5.84	100.84	106.98
17	Z	845	BCR	C37-C22-C21	-5.83	113.36	122.82
14	B	803	CLA	C1C-C2C-C3C	-5.83	100.84	106.98
14	G	805	CLA	C4A-NA-C1A	5.83	109.34	106.68
14	H	806	CLA	C3D-C2D-C1D	-5.83	97.87	105.83
14	A	803	CLA	C3B-C2B-C1B	-5.83	100.30	107.17
14	G	830	CLA	CMD-C2D-C1D	5.83	135.00	124.73
14	J	101	CLA	C4A-NA-C1A	5.83	109.34	106.68
17	G	847	BCR	C19-C18-C17	5.83	128.18	119.01
17	Z	843	BCR	C8-C7-C6	-5.83	111.42	127.00
14	Y	834	CLA	C3D-C2D-C1D	-5.83	97.87	105.83
17	A	849	BCR	C33-C5-C6	-5.83	118.12	124.48
14	Z	828	CLA	C1D-ND-C4D	-5.83	102.22	106.31
14	Z	805	CLA	O2A-CGA-O1A	-5.83	109.05	123.63
14	B	825	CLA	C2D-C1D-ND	5.83	115.89	110.13
14	Y	806	CLA	C1C-C2C-C3C	-5.83	100.85	106.98
14	U	1006	CLA	O2A-CGA-O1A	-5.82	109.06	123.63
17	U	1008	BCR	C37-C22-C21	-5.82	113.38	122.82
14	Z	801	CLA	C2D-C1D-ND	5.82	115.89	110.13
14	d	202	CLA	C1C-C2C-C3C	-5.82	100.86	106.98
14	A	823	CLA	C4A-NA-C1A	5.82	109.33	106.68
14	L	202	CLA	O2A-CGA-O1A	-5.82	109.07	123.63
17	J	103	BCR	C8-C7-C6	-5.82	111.46	127.00
17	H	844	BCR	C24-C23-C22	-5.82	117.63	126.23
13	G	801	CL0	O2D-CGD-CBD	5.81	121.39	111.23
14	H	825	CLA	C2C-C1C-NC	5.81	116.09	109.98
14	G	815	CLA	C1D-ND-C4D	-5.81	102.23	106.31
14	Y	827	CLA	OBD-CAD-C3D	-5.81	114.84	128.42
14	G	806	CLA	O2D-CGD-CBD	5.81	121.38	111.23
14	A	815	CLA	C3D-C2D-C1D	-5.80	97.91	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	838	CLA	C2D-C1D-ND	5.80	115.87	110.13
14	H	812	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	Z	819	CLA	C1D-ND-C4D	-5.80	102.24	106.31
14	G	814	CLA	C3B-C2B-C1B	-5.80	100.33	107.17
14	A	838	CLA	C3D-C2D-C1D	-5.80	97.92	105.83
14	Z	836	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	L	207	CLA	O2D-CGD-CBD	5.80	121.37	111.23
14	H	822	CLA	C1D-ND-C4D	-5.79	102.25	106.31
14	H	802	CLA	C4A-NA-C1A	5.79	109.32	106.68
14	G	807	CLA	O2A-CGA-O1A	-5.79	109.14	123.63
17	M	101	BCR	C19-C18-C17	5.79	128.12	119.01
17	f	105	BCR	C23-C24-C25	-5.79	111.53	127.00
14	A	809	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	H	827	CLA	C3B-C2B-C1B	-5.79	100.34	107.17
14	Y	834	CLA	C3B-C2B-C1B	-5.79	100.34	107.17
14	A	842	CLA	C2D-C1D-ND	5.79	115.86	110.13
14	H	835	CLA	C2D-C1D-ND	5.79	115.86	110.13
14	G	842	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	H	824	CLA	C1D-ND-C4D	-5.79	102.25	106.31
14	B	826	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	B	804	CLA	C1D-ND-C4D	-5.78	102.25	106.31
14	L	206	CLA	C1C-C2C-C3C	-5.78	100.90	106.98
14	Y	822	CLA	C4A-NA-C1A	5.78	109.32	106.68
14	Z	837	CLA	C1D-ND-C4D	-5.78	102.26	106.31
14	Y	836	CLA	O2D-CGD-CBD	5.78	121.33	111.23
17	B	845	BCR	C36-C18-C17	-5.78	113.45	122.82
14	A	833	CLA	O2A-CGA-O1A	-5.78	109.18	123.63
14	Z	839	CLA	C2C-C1C-NC	5.77	116.05	109.98
14	Y	810	CLA	C1C-C2C-C3C	-5.77	100.91	106.98
17	H	842	BCR	C8-C7-C6	-5.77	111.59	127.00
14	Z	804	CLA	C1C-C2C-C3C	-5.77	100.91	106.98
14	G	820	CLA	O2D-CGD-CBD	5.77	121.31	111.23
14	G	831	CLA	C1D-ND-C4D	-5.77	102.27	106.31
14	G	831	CLA	O2A-CGA-O1A	-5.76	109.22	123.63
17	J	103	BCR	C36-C18-C17	-5.76	113.48	122.82
14	H	816	CLA	O2A-CGA-O1A	-5.76	109.22	123.63
17	F	203	BCR	C37-C22-C21	-5.76	113.48	122.82
14	H	809	CLA	C2D-C1D-ND	5.76	115.83	110.13
14	B	821	CLA	O2D-CGD-CBD	5.76	121.30	111.23
13	G	801	CL0	C1C-C2C-C3C	-5.76	100.92	106.98
14	L	207	CLA	C3B-C2B-C1B	-5.76	100.38	107.17
14	A	808	CLA	C1C-C2C-C3C	-5.76	100.93	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	807	CLA	C1C-C2C-C3C	-5.76	100.93	106.98
14	Y	837	CLA	C1C-C2C-C3C	-5.76	100.93	106.98
14	B	812	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	Z	815	CLA	C1D-ND-C4D	-5.76	102.27	106.31
14	G	808	CLA	C1D-ND-C4D	-5.75	102.28	106.31
14	G	841	CLA	C1C-C2C-C3C	-5.75	100.93	106.98
14	Y	802	CLA	C1D-ND-C4D	-5.75	102.28	106.31
14	H	830	CLA	C3B-C2B-C1B	-5.75	100.39	107.17
17	H	841	BCR	C19-C18-C17	5.75	128.06	119.01
17	A	847	BCR	C36-C18-C17	-5.75	113.50	122.82
14	Z	801	CLA	O2A-CGA-O1A	-5.75	109.25	123.63
17	U	1007	BCR	C19-C18-C17	5.75	128.05	119.01
14	B	815	CLA	C1C-C2C-C3C	-5.75	100.93	106.98
14	G	818	CLA	C3D-C2D-C1D	-5.75	97.99	105.83
14	G	810	CLA	C2D-C1D-ND	5.74	115.81	110.13
14	A	803	CLA	C4A-NA-C1A	5.74	109.30	106.68
14	Y	826	CLA	C1D-ND-C4D	-5.74	102.28	106.31
14	f	101	CLA	O2D-CGD-CBD	5.74	121.27	111.23
14	H	809	CLA	C3D-C2D-C1D	-5.74	98.00	105.83
14	U	1004	CLA	C2D-C1D-ND	5.74	115.81	110.13
14	A	803	CLA	C1D-ND-C4D	-5.74	102.29	106.31
14	A	807	CLA	C1C-C2C-C3C	-5.73	100.95	106.98
14	G	836	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	H	810	CLA	C1D-ND-C4D	-5.73	102.29	106.31
14	B	815	CLA	O2D-CGD-CBD	5.73	121.24	111.23
14	A	804	CLA	C3B-C2B-C1B	-5.73	100.42	107.17
14	S	1102	CLA	C1C-C2C-C3C	-5.72	100.96	106.98
14	U	1003	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	L	202	CLA	C3B-C2B-C1B	-5.72	100.42	107.17
14	Y	843	CLA	C3D-C2D-C1D	-5.72	98.03	105.83
14	G	810	CLA	C4A-NA-C1A	5.72	109.29	106.68
17	Q	202	BCR	C19-C18-C17	5.72	128.00	119.01
14	Z	824	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	Z	825	CLA	O2A-CGA-O1A	-5.72	109.33	123.63
17	H	841	BCR	C24-C23-C22	-5.71	117.78	126.23
14	L	206	CLA	O2D-CGD-CBD	5.71	121.22	111.23
14	G	823	CLA	C4A-NA-C1A	5.71	109.29	106.68
14	Z	832	CLA	C3B-C2B-C1B	-5.71	100.43	107.17
14	B	832	CLA	C2D-C1D-ND	5.71	115.78	110.13
14	B	829	CLA	O2D-CGD-CBD	5.71	121.22	111.23
14	H	831	CLA	C3B-C2B-C1B	-5.71	100.44	107.17
14	W	1701	CLA	C4A-NA-C1A	5.71	109.28	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	827	CLA	O2D-CGD-CBD	5.71	121.21	111.23
17	B	851	BCR	C24-C23-C22	-5.71	117.79	126.23
17	Z	845	BCR	C23-C24-C25	-5.71	111.75	127.00
14	G	819	CLA	C2C-C1C-NC	5.71	115.97	109.98
14	H	815	CLA	C1D-ND-C4D	-5.71	102.31	106.31
17	B	846	BCR	C36-C18-C17	-5.71	113.57	122.82
14	G	805	CLA	C2D-C1D-ND	5.70	115.77	110.13
14	Y	841	CLA	C2D-C1D-ND	5.70	115.77	110.13
17	H	840	BCR	C19-C18-C17	5.70	127.98	119.01
14	B	801	CLA	C4A-NA-C1A	5.70	109.28	106.68
14	U	1004	CLA	C4A-NA-C1A	5.70	109.28	106.68
14	Z	828	CLA	C4A-NA-C1A	5.70	109.28	106.68
14	Y	843	CLA	C2C-C1C-NC	5.70	115.97	109.98
14	Y	843	CLA	C1C-C2C-C3C	-5.70	100.98	106.98
14	Y	837	CLA	C1D-ND-C4D	-5.70	102.31	106.31
17	Z	845	BCR	C36-C18-C17	-5.70	113.58	122.82
17	Z	846	BCR	C24-C23-C22	-5.70	117.81	126.23
14	A	816	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	H	838	CLA	O2D-CGD-CBD	5.70	121.19	111.23
14	G	841	CLA	C2D-C1D-ND	5.69	115.76	110.13
14	G	825	CLA	C2D-C1D-ND	5.69	115.76	110.13
14	G	839	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	Z	808	CLA	C4A-NA-C1A	5.69	109.28	106.68
14	A	807	CLA	C3D-C2D-C1D	-5.69	98.06	105.83
14	A	804	CLA	C2D-C1D-ND	5.69	115.76	110.13
14	B	812	CLA	C1D-ND-C4D	-5.69	102.32	106.31
14	Y	808	CLA	C1D-ND-C4D	-5.69	102.32	106.31
14	Y	822	CLA	O2D-CGD-CBD	5.69	121.17	111.23
14	Y	843	CLA	O2D-CGD-CBD	5.69	121.17	111.23
14	A	841	CLA	C1D-ND-C4D	-5.69	102.32	106.31
14	G	808	CLA	C2D-C1D-ND	5.69	115.75	110.13
14	H	826	CLA	C2D-C1D-ND	5.69	115.75	110.13
14	K	101	CLA	O2A-CGA-O1A	-5.69	108.71	123.33
14	A	817	CLA	C4A-NA-C1A	5.68	109.27	106.68
17	f	105	BCR	C37-C22-C21	-5.68	113.61	122.82
14	G	813	CLA	O2D-CGD-CBD	5.68	121.16	111.23
14	Y	830	CLA	C2C-C1C-NC	5.68	115.95	109.98
14	H	829	CLA	O2D-CGD-CBD	5.68	121.16	111.23
17	Q	202	BCR	C34-C9-C8	5.68	126.76	118.09
14	Y	828	CLA	C3B-C2B-C1B	-5.68	100.48	107.17
17	G	849	BCR	C8-C7-C6	-5.68	111.83	127.00
17	A	846	BCR	C36-C18-C17	-5.68	113.62	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	811	CLA	C1C-C2C-C3C	-5.68	101.01	106.98
14	Y	835	CLA	C2C-C1C-NC	5.68	115.94	109.98
14	H	820	CLA	O2D-CGD-CBD	5.67	121.15	111.23
14	A	837	CLA	C2D-C1D-ND	5.67	115.74	110.13
14	H	816	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	A	840	CLA	C1D-ND-C4D	-5.67	102.34	106.31
14	B	816	CLA	C1D-ND-C4D	-5.67	102.34	106.31
14	T	103	CLA	C2D-C1D-ND	5.67	115.73	110.13
14	B	835	CLA	O2A-CGA-O1A	-5.67	108.76	123.33
14	A	805	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	B	838	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	Y	810	CLA	O2D-CGD-CBD	5.66	121.13	111.23
14	A	810	CLA	O2D-CGD-CBD	5.66	121.13	111.23
14	Z	836	CLA	C2D-C1D-ND	5.66	115.73	110.13
14	Y	812	CLA	O2A-CGA-O1A	-5.66	109.47	123.63
14	K	103	CLA	O2D-CGD-CBD	5.66	121.12	111.23
17	h	202	BCR	C36-C18-C17	-5.66	113.65	122.82
14	A	818	CLA	C3B-C2B-C1B	-5.66	100.50	107.17
14	B	836	CLA	C1C-C2C-C3C	-5.66	101.03	106.98
14	G	812	CLA	C1C-C2C-C3C	-5.66	101.03	106.98
17	B	843	BCR	C34-C9-C8	5.65	126.72	118.09
14	B	804	CLA	C3B-C2B-C1B	-5.65	100.50	107.17
14	K	101	CLA	C2C-C1C-NC	5.65	115.92	109.98
14	G	806	CLA	C4A-NA-C1A	5.65	109.26	106.68
14	Z	823	CLA	C4A-NA-C1A	5.65	109.26	106.68
14	G	802	CLA	C3B-C2B-C1B	-5.65	100.51	107.17
14	A	820	CLA	O2A-CGA-O1A	-5.65	109.50	123.63
14	Y	810	CLA	C2D-C1D-ND	5.65	115.72	110.13
14	Y	814	CLA	O2A-CGA-O1A	-5.65	109.50	123.63
14	A	852	CLA	C4A-NA-C1A	5.65	109.25	106.68
14	H	810	CLA	C1C-C2C-C3C	-5.64	101.04	106.98
14	Z	829	CLA	O2D-CGD-CBD	5.64	121.10	111.23
14	G	837	CLA	C4A-NA-C1A	5.64	109.25	106.68
14	H	817	CLA	C4A-NA-C1A	5.64	109.25	106.68
14	h	201	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
14	j	102	CLA	C2C-C1C-NC	5.64	115.91	109.98
14	B	804	CLA	C2D-C1D-ND	5.64	115.71	110.13
14	A	819	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	H	803	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	Y	830	CLA	O2D-CGD-CBD	5.64	121.09	111.23
14	G	805	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
14	A	802	CLA	C3B-C2B-C1B	-5.64	100.53	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	J	102	CLA	O2A-CGA-O1A	-5.64	109.53	123.63
14	A	810	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
14	A	819	CLA	O2D-CGD-CBD	5.63	121.08	111.23
14	B	820	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	Z	828	CLA	C2D-C1D-ND	5.63	115.70	110.13
14	F	202	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	G	816	CLA	O2A-CGA-O1A	-5.63	109.54	123.63
14	Y	822	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
17	B	847	BCR	C19-C18-C17	5.63	127.86	119.01
14	U	1004	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	B	809	CLA	C1D-ND-C4D	-5.63	102.36	106.31
14	B	838	CLA	C3D-C2D-C1D	-5.63	98.15	105.83
14	Y	818	CLA	C3B-C2B-C1B	-5.63	100.54	107.17
14	Z	834	CLA	C2C-C1C-NC	5.63	115.89	109.98
14	H	821	CLA	C1D-ND-C4D	-5.63	102.36	106.31
14	Q	201	CLA	C1D-ND-C4D	-5.63	102.36	106.31
14	Z	839	CLA	C1D-ND-C4D	-5.63	102.36	106.31
14	H	833	CLA	C2C-C1C-NC	5.62	115.89	109.98
14	Z	815	CLA	C2D-C1D-ND	5.62	115.69	110.13
14	G	839	CLA	O2D-CGD-CBD	5.62	121.06	111.23
14	H	830	CLA	O2D-CGD-CBD	5.62	121.06	111.23
14	A	832	CLA	O2D-CGD-CBD	5.62	121.06	111.23
14	B	805	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	G	826	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	B	837	CLA	C4A-NA-C1A	5.62	109.24	106.68
14	Z	824	CLA	C3D-C2D-C1D	-5.62	98.16	105.83
14	A	823	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	H	818	CLA	C1C-C2C-C3C	-5.62	101.07	106.98
14	G	833	CLA	O2D-CGD-CBD	5.62	121.05	111.23
14	X	1701	CLA	C2C-C1C-NC	5.62	115.88	109.98
14	A	815	CLA	O2D-CGD-CBD	5.62	121.05	111.23
14	A	826	CLA	C1C-C2C-C3C	-5.61	101.08	106.98
14	B	837	CLA	C2D-C1D-ND	5.61	115.68	110.13
14	G	838	CLA	C1C-C2C-C3C	-5.61	101.08	106.98
14	B	831	CLA	C3B-C2B-C1B	-5.61	100.56	107.17
14	Z	816	CLA	C4A-NA-C1A	5.61	109.24	106.68
14	G	809	CLA	C3B-C2B-C1B	-5.61	100.56	107.17
14	G	826	CLA	O2A-CGA-O1A	-5.61	109.60	123.63
14	A	837	CLA	C3D-C2D-C1D	-5.61	98.18	105.83
14	W	1701	CLA	C1D-ND-C4D	-5.61	102.38	106.31
14	L	206	CLA	C2C-C1C-NC	5.61	115.87	109.98
14	Y	804	CLA	C2D-C1D-ND	5.61	115.67	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	814	CLA	O2A-CGA-O1A	-5.60	108.92	123.33
17	U	1008	BCR	C38-C26-C25	5.60	130.60	124.48
14	B	801	CLA	C2C-C1C-NC	5.60	115.86	109.98
14	Y	804	CLA	C3B-C2B-C1B	-5.60	100.57	107.17
14	Z	826	CLA	C1D-ND-C4D	-5.60	102.38	106.31
14	G	805	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	A	804	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	G	810	CLA	C3D-C2D-C1D	-5.59	98.20	105.83
14	H	808	CLA	C1D-ND-C4D	-5.59	102.39	106.31
14	Z	837	CLA	C2D-C1D-ND	5.59	115.66	110.13
14	H	809	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	H	827	CLA	C3D-C2D-C1D	-5.59	98.20	105.83
14	B	807	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	Z	817	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	G	833	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	B	802	CLA	C4A-NA-C1A	5.59	109.23	106.68
14	S	1103	CLA	C4A-NA-C1A	5.59	109.23	106.68
17	Z	841	BCR	C34-C9-C8	5.59	126.62	118.09
14	A	817	CLA	C2C-C1C-NC	5.59	115.85	109.98
14	g	102	CLA	O2A-CGA-O1A	-5.59	108.97	123.33
14	G	824	CLA	C4A-NA-C1A	5.58	109.23	106.68
14	G	804	CLA	C2C-C1C-NC	5.58	115.85	109.98
14	H	834	CLA	C3D-C2D-C1D	-5.58	98.21	105.83
14	U	1006	CLA	C2C-C1C-NC	5.58	115.85	109.98
14	j	102	CLA	C1D-ND-C4D	-5.58	102.39	106.31
14	H	829	CLA	C2D-C1D-ND	5.58	115.65	110.13
14	Q	203	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	U	1002	CLA	C3D-C2D-C1D	-5.58	98.21	105.83
14	A	836	CLA	C1D-ND-C4D	-5.58	102.40	106.31
14	G	816	CLA	C1C-C2C-C3C	-5.58	101.11	106.98
14	G	837	CLA	C2C-C1C-NC	5.57	115.84	109.98
14	Y	827	CLA	C2C-C1C-NC	5.57	115.84	109.98
14	G	833	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	A	822	CLA	C3D-C2D-C1D	-5.57	98.23	105.83
14	A	803	CLA	O2D-CGD-CBD	5.57	120.97	111.23
14	h	205	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	Y	835	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	Z	807	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	G	807	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	G	827	CLA	O2D-CGD-CBD	5.57	120.97	111.23
14	G	803	CLA	C2C-C1C-NC	5.57	115.83	109.98
14	T	103	CLA	C3D-C2D-C1D	-5.57	98.23	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	810	CLA	C3D-C2D-C1D	-5.57	98.23	105.83
14	A	842	CLA	O2A-CGA-O1A	-5.57	109.70	123.63
14	G	807	CLA	O2D-CGD-CBD	5.57	120.96	111.23
14	Z	829	CLA	C3D-C2D-C1D	-5.57	98.23	105.83
14	Y	822	CLA	C1D-ND-C4D	-5.57	102.41	106.31
14	f	101	CLA	C1D-ND-C4D	-5.57	102.41	106.31
14	U	1006	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
14	G	843	CLA	C2C-C1C-NC	5.56	115.83	109.98
17	V	1202	BCR	C32-C1-C6	5.56	118.97	110.24
14	Y	803	CLA	O2A-CGA-O1A	-5.56	109.71	123.63
14	B	803	CLA	C2D-C1D-ND	5.56	115.63	110.13
17	B	851	BCR	C23-C24-C25	-5.56	112.14	127.00
14	Y	836	CLA	C2D-C1D-ND	5.56	115.63	110.13
14	Z	816	CLA	C2C-C1C-NC	5.56	115.82	109.98
14	B	825	CLA	O2A-CGA-O1A	-5.56	109.72	123.63
14	F	202	CLA	O2A-CGA-O1A	-5.56	109.04	123.33
14	H	809	CLA	C2C-C1C-NC	5.56	115.82	109.98
14	V	1201	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	Y	802	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	H	814	CLA	C2C-C1C-NC	5.55	115.81	109.98
14	Z	829	CLA	C2D-C1D-ND	5.55	115.62	110.13
14	H	806	CLA	C2D-C1D-ND	5.55	115.62	110.13
14	H	805	CLA	C4A-NA-C1A	5.55	109.21	106.68
14	A	808	CLA	C3B-C2B-C1B	-5.55	100.63	107.17
14	Z	820	CLA	CMD-C2D-C1D	5.55	134.50	124.73
17	H	848	BCR	C34-C9-C10	-5.55	113.83	122.82
14	G	811	CLA	C1C-C2C-C3C	-5.55	101.15	106.98
14	G	818	CLA	C2D-C1D-ND	5.55	115.61	110.13
14	Y	836	CLA	C1D-ND-C4D	-5.55	102.42	106.31
14	B	817	CLA	C2C-C1C-NC	5.54	115.81	109.98
14	Y	816	CLA	C2C-C1C-NC	5.54	115.81	109.98
14	G	839	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
17	A	845	BCR	C8-C7-C6	-5.54	112.20	127.00
14	Y	804	CLA	C3D-C2D-C1D	-5.54	98.27	105.83
14	H	823	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	Y	815	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	H	824	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	G	839	CLA	C1D-ND-C4D	-5.54	102.43	106.31
17	G	848	BCR	C36-C18-C17	-5.53	113.85	122.82
14	Y	855	CLA	C1C-C2C-C3C	-5.53	101.16	106.98
14	A	807	CLA	C2D-C1D-ND	5.53	115.60	110.13
14	Y	810	CLA	C2C-C1C-NC	5.53	115.79	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	205	CLA	O2A-CGA-O1A	-5.53	109.79	123.63
14	G	827	CLA	C2D-C1D-ND	5.53	115.60	110.13
14	H	810	CLA	C2C-C1C-NC	5.53	115.79	109.98
14	A	842	CLA	C1C-C2C-C3C	-5.53	101.16	106.98
14	U	1002	CLA	C2C-C1C-NC	5.53	115.79	109.98
14	H	819	CLA	C3D-C2D-C1D	-5.53	98.29	105.83
14	G	829	CLA	C3B-C2B-C1B	-5.53	100.65	107.17
14	J	101	CLA	O2D-CGD-CBD	5.53	120.89	111.23
14	Z	805	CLA	C4A-NA-C1A	5.53	109.20	106.68
14	A	817	CLA	C1C-C2C-C3C	-5.53	101.17	106.98
14	B	809	CLA	C2C-C1C-NC	5.53	115.79	109.98
14	G	823	CLA	O2D-CGD-CBD	5.53	120.89	111.23
14	H	813	CLA	C4A-NA-C1A	5.53	109.20	106.68
14	Y	815	CLA	C1D-ND-C4D	-5.53	102.44	106.31
17	F	203	BCR	C36-C18-C17	-5.52	113.87	122.82
17	Z	845	BCR	C8-C7-C6	-5.52	112.25	127.00
14	H	818	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
14	Y	843	CLA	O2A-CGA-O1A	-5.52	109.82	123.63
14	B	817	CLA	O2D-CGD-CBD	5.52	120.88	111.23
14	B	814	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
14	G	825	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	H	805	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
14	G	841	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	Y	815	CLA	C4A-NA-C1A	5.52	109.20	106.68
14	Z	806	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	Y	822	CLA	C3B-C2B-C1B	-5.52	100.67	107.17
14	A	804	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	f	101	CLA	C2D-C1D-ND	5.51	115.58	110.13
14	B	826	CLA	C3B-C2B-C1B	-5.51	100.67	107.17
14	Z	836	CLA	C1C-C2C-C3C	-5.51	101.18	106.98
14	A	820	CLA	C2C-C1C-NC	5.51	115.77	109.98
17	i	101	BCR	C36-C18-C17	-5.51	113.89	122.82
17	f	103	BCR	C8-C7-C6	-5.51	112.27	127.00
14	H	809	CLA	C1D-ND-C4D	-5.51	102.44	106.31
14	Z	809	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	Z	838	CLA	C2D-C1D-ND	5.51	115.58	110.13
14	Y	839	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
14	A	831	CLA	C3B-C2B-C1B	-5.51	100.67	107.17
14	Y	841	CLA	C3B-C2B-C1B	-5.51	100.67	107.17
14	S	1103	CLA	C2C-C1C-NC	5.51	115.77	109.98
17	T	102	BCR	C23-C24-C25	-5.51	112.28	127.00
14	Z	801	CLA	C1D-ND-C4D	-5.51	102.45	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	824	CLA	C3D-C2D-C1D	-5.51	98.32	105.83
14	Z	805	CLA	C1C-C2C-C3C	-5.51	101.19	106.98
14	Z	824	CLA	C3B-C2B-C1B	-5.50	100.68	107.17
14	B	824	CLA	C2C-C1C-NC	5.50	115.76	109.98
14	Z	813	CLA	C2D-C1D-ND	5.50	115.57	110.13
14	A	829	CLA	C1C-C2C-C3C	-5.50	101.19	106.98
14	Q	201	CLA	C2D-C1D-ND	5.50	115.57	110.13
14	Y	813	CLA	C1D-ND-C4D	-5.50	102.45	106.31
14	B	819	CLA	C2C-C1C-NC	5.50	115.76	109.98
14	Y	815	CLA	C2D-C1D-ND	5.50	115.57	110.13
14	H	815	CLA	C1C-C2C-C3C	-5.50	101.19	106.98
14	Y	836	CLA	C3D-C2D-C1D	-5.50	98.33	105.83
14	G	843	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	A	842	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	Y	831	CLA	C2C-C1C-NC	5.50	115.76	109.98
14	Z	830	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	Y	812	CLA	C1D-ND-C4D	-5.50	102.46	106.31
14	G	807	CLA	C4A-NA-C1A	5.50	109.19	106.68
14	G	816	CLA	O2D-CGD-CBD	5.49	120.84	111.23
14	Z	834	CLA	C3D-C2D-C1D	-5.49	98.33	105.83
14	S	1101	CLA	O2A-CGA-O1A	-5.49	109.89	123.63
14	B	821	CLA	C1D-ND-C4D	-5.49	102.46	106.31
14	Z	815	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	Y	808	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	G	808	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	Y	843	CLA	C2D-C1D-ND	5.49	115.56	110.13
14	A	842	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	B	816	CLA	C2D-C1D-ND	5.49	115.56	110.13
14	Y	854	CLA	C2D-C1D-ND	5.49	115.56	110.13
14	Y	830	CLA	C1D-ND-C4D	-5.48	102.46	106.31
14	G	838	CLA	C3D-C2D-C1D	-5.48	98.35	105.83
14	Z	834	CLA	C3B-C2B-C1B	-5.48	100.70	107.17
14	B	804	CLA	O2A-CGA-O1A	-5.48	109.91	123.63
17	H	843	BCR	C23-C24-C25	-5.48	112.35	127.00
14	B	810	CLA	OBD-CAD-C3D	-5.48	115.60	128.42
13	G	801	CL0	C2C-C1C-NC	5.48	115.73	109.98
14	B	831	CLA	C2C-C1C-NC	5.48	115.73	109.98
14	Y	840	CLA	C2C-C1C-NC	5.48	115.73	109.98
14	S	1103	CLA	O2D-CGD-CBD	5.48	120.80	111.23
14	B	801	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	S	1103	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	Y	854	CLA	C3B-C2B-C1B	-5.47	100.72	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	823	CLA	O2A-CGA-O1A	-5.47	109.94	123.63
14	H	809	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	G	835	CLA	C2C-C1C-NC	5.47	115.73	109.98
14	g	101	CLA	C2C-C1C-NC	5.47	115.73	109.98
14	A	818	CLA	C3D-C2D-C1D	-5.47	98.36	105.83
14	Z	839	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	Z	807	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	Y	827	CLA	C3D-C2D-C1D	-5.47	98.37	105.83
14	A	821	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
17	G	850	BCR	C32-C1-C6	5.47	118.82	110.24
14	A	810	CLA	C2C-C1C-NC	5.47	115.72	109.98
14	G	823	CLA	C2D-C1D-ND	5.47	115.54	110.13
14	G	813	CLA	C1D-ND-C4D	-5.47	102.48	106.31
17	Y	850	BCR	C19-C18-C17	5.47	127.61	119.01
14	G	837	CLA	O2D-CGD-CBD	5.47	120.78	111.23
14	A	820	CLA	C1C-C2C-C3C	-5.47	101.23	106.98
14	Z	817	CLA	C2C-C1C-NC	5.47	115.72	109.98
14	H	820	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	G	823	CLA	C3D-C2D-C1D	-5.46	98.37	105.83
14	Z	808	CLA	C2D-C1D-ND	5.46	115.53	110.13
14	Y	802	CLA	C2C-C1C-NC	5.46	115.72	109.98
14	H	821	CLA	O2D-CGD-CBD	5.46	120.78	111.23
14	A	816	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	B	827	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	Y	855	CLA	C3B-C2B-C1B	-5.46	100.73	107.17
17	Y	851	BCR	C34-C9-C10	-5.46	113.97	122.82
14	U	1006	CLA	C3B-C2B-C1B	-5.46	100.73	107.17
14	H	819	CLA	C1D-ND-C4D	-5.46	102.48	106.31
17	B	851	BCR	C37-C22-C21	-5.46	113.97	122.82
14	Z	825	CLA	O2D-CGD-CBD	5.46	120.77	111.23
14	Y	832	CLA	C3B-C2B-C1B	-5.46	100.74	107.17
14	A	834	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	H	817	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	A	839	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	J	102	CLA	C3B-C2B-C1B	-5.45	100.74	107.17
14	A	841	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	Y	822	CLA	O2A-CGA-O1A	-5.45	109.99	123.63
14	B	820	CLA	C3B-C2B-C1B	-5.45	100.74	107.17
14	G	840	CLA	C1D-ND-C4D	-5.45	102.49	106.31
14	A	808	CLA	C2C-C1C-NC	5.45	115.71	109.98
17	Y	849	BCR	C33-C5-C6	-5.45	118.54	124.48
14	B	830	CLA	C1D-ND-C4D	-5.45	102.49	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	827	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	Y	836	CLA	C4A-NA-C1A	5.45	109.16	106.68
14	A	825	CLA	C3D-C2D-C1D	-5.44	98.40	105.83
17	K	102	BCR	C34-C9-C8	5.44	126.41	118.09
14	G	825	CLA	C1D-ND-C4D	-5.44	102.49	106.31
14	G	815	CLA	C4A-NA-C1A	5.44	109.16	106.68
14	Z	809	CLA	C1D-ND-C4D	-5.44	102.50	106.31
14	A	806	CLA	O2A-CGA-O1A	-5.44	110.02	123.63
14	J	102	CLA	C2C-C1C-NC	5.44	115.69	109.98
14	G	813	CLA	C3D-C2D-C1D	-5.44	98.41	105.83
14	G	828	CLA	O2A-CGA-O1A	-5.44	110.03	123.63
14	Z	806	CLA	C3B-C2B-C1B	-5.43	100.76	107.17
14	B	837	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
14	B	837	CLA	O2A-CGA-O1A	-5.43	110.04	123.63
14	B	825	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	B	832	CLA	O2A-CGA-O1A	-5.43	110.05	123.63
14	G	831	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	G	820	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	h	207	CLA	C4A-NA-C1A	5.43	109.16	106.68
14	B	815	CLA	C1D-ND-C4D	-5.43	102.50	106.31
14	B	812	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	H	826	CLA	C1D-ND-C4D	-5.43	102.50	106.31
14	L	207	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	B	822	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	G	826	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	Y	808	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	B	817	CLA	C3D-C2D-C1D	-5.42	98.43	105.83
14	Z	828	CLA	C3D-C2D-C1D	-5.42	98.43	105.83
14	H	824	CLA	C4A-NA-C1A	5.42	109.15	106.68
14	Y	815	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	g	102	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
17	Y	847	BCR	C34-C9-C10	-5.42	114.03	122.82
14	A	815	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	W	1701	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	Y	812	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	G	809	CLA	C1D-ND-C4D	-5.42	102.51	106.31
14	B	841	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	G	803	CLA	C1C-C2C-C3C	-5.42	101.28	106.98
14	G	832	CLA	O2A-CGA-O1A	-5.42	110.08	123.63
14	B	840	CLA	C3B-C2B-C1B	-5.42	100.79	107.17
14	Z	803	CLA	C2D-C1D-ND	5.41	115.48	110.13
14	A	838	CLA	C2C-C1C-NC	5.41	115.67	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	832	CLA	C1D-ND-C4D	-5.41	102.51	106.31
17	R	101	BCR	C7-C8-C9	-5.41	118.23	126.23
14	G	810	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	B	802	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	S	1101	CLA	C2C-C1C-NC	5.41	115.67	109.98
17	A	848	BCR	C36-C18-C17	-5.41	114.05	122.82
14	h	206	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
17	h	202	BCR	C8-C7-C6	-5.41	112.54	127.00
14	G	837	CLA	C3B-C2B-C1B	-5.41	100.79	107.17
14	U	1004	CLA	C1D-ND-C4D	-5.41	102.52	106.31
14	G	822	CLA	C2D-C1D-ND	5.41	115.48	110.13
14	A	809	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	B	813	CLA	C1D-ND-C4D	-5.41	102.52	106.31
14	A	813	CLA	C4A-NA-C1A	5.41	109.14	106.68
14	Z	818	CLA	C3B-C2B-C1B	-5.41	100.80	107.17
14	J	101	CLA	C1D-ND-C4D	-5.40	102.52	106.31
14	Z	805	CLA	O2D-CGD-CBD	5.40	120.68	111.23
14	Y	831	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	H	836	CLA	C4A-NA-C1A	5.40	109.14	106.68
14	B	825	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	T	103	CLA	C1D-ND-C4D	-5.40	102.52	106.31
14	Z	838	CLA	C1D-ND-C4D	-5.40	102.52	106.31
14	Y	826	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	A	832	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
17	F	203	BCR	C24-C23-C22	-5.40	118.25	126.23
14	Y	840	CLA	C1C-C2C-C3C	-5.40	101.30	106.98
14	h	207	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
17	Z	841	BCR	C24-C23-C22	-5.40	118.25	126.23
14	G	807	CLA	C1D-ND-C4D	-5.40	102.53	106.31
14	B	818	CLA	O2A-CGA-O1A	-5.40	110.13	123.63
14	B	811	CLA	C3B-C2B-C1B	-5.40	100.81	107.17
14	H	819	CLA	C2C-C1C-NC	5.40	115.65	109.98
14	B	836	CLA	C1D-ND-C4D	-5.39	102.53	106.31
14	G	806	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	Y	817	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	B	816	CLA	C2C-C1C-NC	5.39	115.65	109.98
14	B	827	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	B	830	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	B	839	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	H	813	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	Y	807	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	A	836	CLA	C1C-C2C-C3C	-5.39	101.31	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	824	CLA	C1D-ND-C4D	-5.39	102.53	106.31
14	Y	838	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	Z	802	CLA	C3B-C2B-C1B	-5.39	100.82	107.17
14	G	826	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	G	828	CLA	C3D-C2D-C1D	-5.39	98.48	105.83
14	Z	810	CLA	C2D-C1D-ND	5.39	115.46	110.13
14	A	833	CLA	C3D-C2D-C1D	-5.38	98.48	105.83
14	A	819	CLA	C3D-C2D-C1D	-5.38	98.48	105.83
14	Y	834	CLA	C4A-NA-C1A	5.38	109.14	106.68
14	B	827	CLA	C2C-C1C-NC	5.38	115.64	109.98
14	Z	832	CLA	O2D-CGD-CBD	5.38	120.64	111.23
14	Y	807	CLA	C2D-C1D-ND	5.38	115.45	110.13
14	A	817	CLA	O2D-CGD-CBD	5.38	120.63	111.23
14	H	818	CLA	C1D-ND-C4D	-5.38	102.54	106.31
14	Z	805	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	H	825	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	A	815	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	H	802	CLA	C2C-C1C-NC	5.38	115.63	109.98
14	H	824	CLA	C2C-C1C-NC	5.38	115.63	109.98
14	Z	835	CLA	C1D-ND-C4D	-5.38	102.54	106.31
14	Y	822	CLA	C2C-C1C-NC	5.38	115.63	109.98
14	B	808	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	H	833	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	G	824	CLA	C2C-C1C-NC	5.37	115.63	109.98
14	G	816	CLA	C4A-NA-C1A	5.37	109.13	106.68
14	G	822	CLA	O2D-CGD-CBD	5.37	120.62	111.23
14	Y	818	CLA	O2A-CGA-O1A	-5.37	110.19	123.63
14	Z	833	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	U	1006	CLA	C1D-ND-C4D	-5.37	102.55	106.31
14	Y	829	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
17	G	848	BCR	C33-C5-C6	-5.37	118.63	124.48
14	G	803	CLA	O2A-CGA-O1A	-5.37	110.20	123.63
14	Z	824	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	Z	807	CLA	C1D-ND-C4D	-5.36	102.55	106.31
14	G	843	CLA	C1C-C2C-C3C	-5.36	101.34	106.98
14	B	806	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	G	827	CLA	C3D-C2D-C1D	-5.36	98.51	105.83
14	S	1103	CLA	C1D-ND-C4D	-5.36	102.55	106.31
14	Y	824	CLA	C2C-C1C-NC	5.36	115.61	109.98
17	A	849	BCR	C34-C9-C10	-5.36	114.14	122.82
14	G	818	CLA	C1D-ND-C4D	-5.36	102.55	106.31
17	L	209	BCR	C8-C7-C6	-5.36	112.69	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	832	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	B	839	CLA	C2C-C1C-NC	5.35	115.61	109.98
14	H	826	CLA	O2A-CGA-O1A	-5.35	110.24	123.63
14	A	802	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	Z	803	CLA	C2C-C1C-NC	5.35	115.60	109.98
14	Y	833	CLA	C4A-NA-C1A	5.35	109.12	106.68
14	G	806	CLA	O2A-CGA-O1A	-5.35	110.25	123.63
14	Z	822	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	Y	826	CLA	C2C-C1C-NC	5.35	115.60	109.98
14	G	808	CLA	O2A-CGA-O1A	-5.35	110.25	123.63
14	Z	823	CLA	O2A-CGA-O1A	-5.35	110.25	123.63
17	A	845	BCR	C37-C22-C21	-5.35	114.16	122.82
14	H	836	CLA	C2C-C1C-NC	5.35	115.60	109.98
14	Y	855	CLA	C2D-C1D-ND	5.34	115.42	110.13
14	B	824	CLA	O2D-CGD-CBD	5.34	120.57	111.23
14	L	201	CLA	C3B-C2B-C1B	-5.34	100.87	107.17
14	Z	810	CLA	O2A-CGA-O1A	-5.34	109.59	123.33
17	f	104	BCR	C24-C23-C22	-5.34	118.33	126.23
14	j	102	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	A	825	CLA	C1D-ND-C4D	-5.34	102.56	106.31
14	B	837	CLA	C2C-C1C-NC	5.34	115.59	109.98
14	d	201	CLA	C2C-C1C-NC	5.34	115.59	109.98
14	B	807	CLA	C1C-C2C-C3C	-5.34	101.37	106.98
14	H	804	CLA	C2C-C1C-NC	5.34	115.59	109.98
14	G	834	CLA	C1D-ND-C4D	-5.34	102.57	106.31
14	G	808	CLA	C1C-C2C-C3C	-5.33	101.37	106.98
14	A	830	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	B	828	CLA	C1D-ND-C4D	-5.33	102.57	106.31
14	H	816	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	Z	811	CLA	C3D-C2D-C1D	-5.33	98.56	105.83
14	S	1103	CLA	O2A-CGA-O1A	-5.33	110.30	123.63
14	G	820	CLA	O2A-CGA-O1A	-5.33	110.30	123.63
14	Z	838	CLA	C4A-NA-C1A	5.33	109.11	106.68
14	B	801	CLA	O2A-CGA-CBA	5.33	128.08	111.83
14	B	827	CLA	O2A-CGA-O1A	-5.33	110.30	123.63
14	A	842	CLA	O2A-CGA-CBA	5.33	128.08	111.83
14	Y	837	CLA	C2D-C1D-ND	5.33	115.40	110.13
14	G	804	CLA	O2D-CGD-CBD	5.33	120.54	111.23
14	A	825	CLA	C1C-C2C-C3C	-5.33	101.38	106.98
17	H	841	BCR	C34-C9-C8	5.33	126.22	118.09
17	A	845	BCR	C19-C18-C17	5.32	127.38	119.01
14	H	803	CLA	C3B-C2B-C1B	-5.32	100.90	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	f	102	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	A	819	CLA	O2A-CGA-O1A	-5.32	110.32	123.63
14	B	835	CLA	C1D-ND-C4D	-5.32	102.58	106.31
13	Y	801	CL0	C2C-C1C-NC	5.32	115.57	109.98
14	H	835	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	Z	837	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	B	819	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	Y	806	CLA	C2C-C1C-NC	5.32	115.57	109.98
14	Y	827	CLA	O2D-CGD-CBD	5.32	120.53	111.23
14	B	832	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	B	813	CLA	C3D-C2D-C1D	-5.32	98.58	105.83
14	G	837	CLA	O2A-CGA-O1A	-5.32	110.33	123.63
14	A	806	CLA	O2A-CGA-CBA	5.32	128.04	111.83
14	Y	823	CLA	C2C-C1C-NC	5.31	115.56	109.98
14	Z	818	CLA	O2A-CGA-O1A	-5.31	109.67	123.33
14	A	811	CLA	C1D-ND-C4D	-5.31	102.58	106.31
14	H	829	CLA	C1C-C2C-C3C	-5.31	101.39	106.98
17	U	1007	BCR	C36-C18-C17	-5.31	114.21	122.82
14	B	816	CLA	C4A-NA-C1A	5.31	109.10	106.68
14	A	834	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	h	205	CLA	C2C-C1C-NC	5.31	115.56	109.98
14	H	835	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	Y	832	CLA	O2A-CGA-CBA	5.31	128.02	111.83
14	f	101	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
17	Z	841	BCR	C27-C26-C25	-5.31	115.53	122.70
14	Y	842	CLA	C2C-C1C-NC	5.31	115.56	109.98
14	B	836	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	G	842	CLA	C1C-C2C-C3C	-5.31	101.40	106.98
14	Z	828	CLA	C2C-C1C-NC	5.31	115.56	109.98
14	Y	840	CLA	C2D-C1D-ND	5.30	115.38	110.13
14	A	840	CLA	C2C-C1C-NC	5.30	115.55	109.98
17	L	203	BCR	C36-C18-C17	-5.30	114.23	122.82
14	Z	831	CLA	CMD-C2D-C1D	5.30	134.06	124.73
14	B	811	CLA	C1C-C2C-C3C	-5.30	101.41	106.98
14	H	801	CLA	C2C-C1C-NC	5.30	115.55	109.98
14	A	814	CLA	C1C-C2C-C3C	-5.30	101.41	106.98
14	H	804	CLA	C1C-C2C-C3C	-5.30	101.41	106.98
14	H	822	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	G	811	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
17	i	101	BCR	C34-C9-C8	5.30	126.18	118.09
14	L	205	CLA	C1C-C2C-C3C	-5.29	101.41	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	201	CLA	C2C-C1C-NC	5.29	115.54	109.98
13	A	801	CL0	C2C-C1C-NC	5.29	115.54	109.98
14	A	836	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	g	101	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	h	206	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
14	G	826	CLA	C1C-C2C-C3C	-5.29	101.41	106.98
14	f	101	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
14	A	833	CLA	C2C-C1C-NC	5.29	115.54	109.98
14	B	802	CLA	C1D-ND-C4D	-5.29	102.60	106.31
14	Y	837	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
14	Y	815	CLA	C3D-C2D-C1D	-5.29	98.61	105.83
17	U	1008	BCR	C24-C23-C22	-5.29	118.41	126.23
17	A	848	BCR	C8-C7-C6	-5.29	112.87	127.00
14	A	820	CLA	O2D-CGD-CBD	5.29	120.47	111.23
14	A	835	CLA	C1D-ND-C4D	-5.29	102.60	106.31
14	H	832	CLA	C1C-C2C-C3C	-5.29	101.42	106.98
14	B	822	CLA	C4A-NA-C1A	5.29	109.09	106.68
14	B	837	CLA	C1D-ND-C4D	-5.29	102.60	106.31
14	Q	203	CLA	O2D-CGD-CBD	5.29	120.47	111.23
14	Y	812	CLA	C3D-C2D-C1D	-5.29	98.62	105.83
14	H	835	CLA	O2D-CGD-CBD	5.29	120.47	111.23
14	A	842	CLA	C2C-C1C-NC	5.29	115.53	109.98
14	X	1701	CLA	C1C-C2C-C3C	-5.28	101.42	106.98
14	H	826	CLA	O2D-CGD-CBD	5.28	120.46	111.23
14	A	836	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	Y	832	CLA	O2D-CGD-CBD	5.28	120.46	111.23
14	Y	806	CLA	C4A-NA-C1A	5.28	109.09	106.68
14	V	1201	CLA	C3D-C2D-C1D	-5.28	98.63	105.83
14	U	1003	CLA	C1C-C2C-C3C	-5.28	101.43	106.98
14	H	825	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	H	825	CLA	C4A-NA-C1A	5.28	109.09	106.68
14	Y	807	CLA	C2C-C1C-NC	5.28	115.53	109.98
14	Z	811	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	h	201	CLA	C1C-C2C-C3C	-5.28	101.43	106.98
17	M	101	BCR	C23-C24-C25	-5.27	112.91	127.00
14	G	830	CLA	C2D-C1D-ND	5.27	115.35	110.13
14	Z	832	CLA	C2C-C1C-NC	5.27	115.52	109.98
14	S	1101	CLA	C1D-ND-C4D	-5.27	102.61	106.31
14	X	1701	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	Z	837	CLA	C3B-C2B-C1B	-5.27	100.95	107.17
14	Q	201	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	Z	809	CLA	C2D-C1D-ND	5.27	115.34	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	810	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	Z	801	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
14	Y	831	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
14	G	841	CLA	C4A-NA-C1A	5.27	109.08	106.68
14	A	804	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	B	805	CLA	C2C-C1C-NC	5.27	115.51	109.98
14	B	833	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
17	Z	845	BCR	C23-C22-C21	5.27	127.29	119.01
14	B	810	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	A	807	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
14	B	819	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
14	Y	821	CLA	O2D-CGD-CBD	5.26	120.43	111.23
14	B	811	CLA	C2C-C1C-NC	5.26	115.51	109.98
14	G	811	CLA	C2C-C1C-NC	5.26	115.51	109.98
17	Q	204	BCR	C8-C7-C6	-5.26	112.94	127.00
14	G	836	CLA	C1D-ND-C4D	-5.26	102.62	106.31
14	G	826	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	Y	842	CLA	C2D-C1D-ND	5.26	115.33	110.13
14	Y	810	CLA	C4A-NA-C1A	5.26	109.08	106.68
17	A	845	BCR	C27-C26-C25	-5.26	115.60	122.70
17	L	209	BCR	C34-C9-C10	-5.26	114.30	122.82
14	h	205	CLA	C3D-C2D-C1D	-5.26	98.66	105.83
14	Y	837	CLA	C2C-C1C-NC	5.26	115.50	109.98
14	B	833	CLA	C2C-C1C-NC	5.26	115.50	109.98
14	U	1002	CLA	C1C-C2C-C3C	-5.26	101.45	106.98
14	Z	835	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	Y	822	CLA	O2A-CGA-CBA	5.25	127.86	111.83
14	Z	808	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	Y	836	CLA	O2A-CGA-O1A	-5.25	109.82	123.33
14	H	829	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	A	813	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
14	L	205	CLA	C3B-C2B-C1B	-5.25	100.98	107.17
14	G	835	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	B	802	CLA	C2C-C1C-NC	5.25	115.50	109.98
17	A	846	BCR	C38-C26-C25	-5.25	118.75	124.48
17	L	208	BCR	C19-C18-C17	5.25	127.27	119.01
14	G	853	CLA	C2C-C1C-NC	5.25	115.50	109.98
14	J	101	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	h	205	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
17	R	101	BCR	C24-C23-C22	-5.25	118.47	126.23
17	U	1005	BCR	C34-C9-C8	5.25	126.10	118.09
14	B	841	CLA	C3D-C2D-C1D	-5.24	98.67	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	826	CLA	O2A-CGA-O1A	-5.24	110.51	123.63
14	f	102	CLA	O2D-CGD-CBD	5.24	120.40	111.23
14	A	835	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
14	Y	835	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
14	Y	809	CLA	C2C-C1C-NC	5.24	115.49	109.98
14	A	824	CLA	C2D-C1D-ND	5.24	115.31	110.13
14	L	202	CLA	O2A-CGA-CBA	5.24	127.81	111.83
14	A	803	CLA	C2C-C1C-NC	5.24	115.48	109.98
14	A	804	CLA	C2C-C1C-NC	5.24	115.48	109.98
14	f	102	CLA	C2C-C1C-NC	5.24	115.48	109.98
14	H	830	CLA	CMD-C2D-C1D	5.24	133.95	124.73
14	Z	818	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
17	S	1104	BCR	C34-C9-C10	-5.24	114.33	122.82
14	A	824	CLA	C3D-C2D-C1D	-5.24	98.69	105.83
14	G	823	CLA	C2C-C1C-NC	5.24	115.48	109.98
14	W	1701	CLA	C1C-C2C-C3C	-5.23	101.47	106.98
14	Y	834	CLA	C1C-C2C-C3C	-5.23	101.47	106.98
14	d	201	CLA	C2D-C1D-ND	5.23	115.31	110.13
14	H	802	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	K	101	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	H	809	CLA	C4A-NA-C1A	5.23	109.07	106.68
14	Y	811	CLA	C3B-C2B-C1B	-5.23	101.00	107.17
14	Y	816	CLA	C1D-ND-C4D	-5.23	102.64	106.31
14	Z	817	CLA	C1D-ND-C4D	-5.23	102.64	106.31
14	Z	815	CLA	C2C-C1C-NC	5.23	115.48	109.98
17	Y	851	BCR	C7-C8-C9	-5.23	118.50	126.23
17	F	203	BCR	C38-C26-C25	-5.23	118.78	124.48
14	H	835	CLA	C2C-C1C-NC	5.23	115.47	109.98
17	Y	848	BCR	C1-C6-C5	-5.23	115.49	122.64
14	G	825	CLA	C3D-C2D-C1D	-5.23	98.70	105.83
14	H	806	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	B	819	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	Y	828	CLA	C1D-ND-C4D	-5.23	102.64	106.31
14	G	835	CLA	O2D-CGD-CBD	5.23	120.37	111.23
14	A	838	CLA	C4A-NA-C1A	5.23	109.06	106.68
14	H	830	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	A	832	CLA	C1D-ND-C4D	-5.22	102.65	106.31
14	A	819	CLA	C2D-C1D-ND	5.22	115.30	110.13
14	Y	842	CLA	O2A-CGA-CBA	5.22	127.76	111.83
14	A	817	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
14	G	805	CLA	C3B-C2B-C1B	-5.22	101.01	107.17
17	Z	843	BCR	C33-C5-C6	-5.22	118.78	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	816	CLA	O2A-CGA-O1A	-5.22	110.56	123.63
14	H	814	CLA	C1D-ND-C4D	-5.22	102.65	106.31
14	G	802	CLA	O2A-CGA-O1A	-5.22	110.57	123.63
14	Y	829	CLA	O2D-CGD-CBD	5.22	120.36	111.23
14	Y	855	CLA	C2C-C1C-NC	5.22	115.47	109.98
14	B	815	CLA	O2A-CGA-O1A	-5.22	109.90	123.33
14	H	829	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	Y	821	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	H	815	CLA	O2A-CGA-O1A	-5.22	110.57	123.63
14	G	821	CLA	C1D-ND-C4D	-5.22	102.65	106.31
14	G	817	CLA	C2C-C1C-NC	5.22	115.46	109.98
14	G	826	CLA	C2C-C1C-NC	5.22	115.46	109.98
14	Z	809	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	H	808	CLA	C2D-C1D-ND	5.22	115.29	110.13
14	Z	830	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	Y	827	CLA	C3B-C2B-C1B	-5.22	101.02	107.17
14	Z	822	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
17	V	1202	BCR	C24-C23-C22	-5.21	118.52	126.23
14	H	820	CLA	C2C-C1C-NC	5.21	115.46	109.98
14	F	202	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	H	818	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	F	202	CLA	O2D-CGD-CBD	5.21	120.34	111.23
14	Y	840	CLA	O2A-CGA-O1A	-5.21	110.59	123.63
17	A	849	BCR	C24-C23-C22	-5.21	118.53	126.23
14	Y	807	CLA	C4A-NA-C1A	5.21	109.06	106.68
14	Z	827	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	Z	814	CLA	O2A-CGA-O1A	-5.21	110.60	123.63
14	Z	827	CLA	O2A-CGA-O1A	-5.21	110.60	123.63
14	Z	812	CLA	C1D-ND-C4D	-5.21	102.66	106.31
14	B	823	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	G	817	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	G	829	CLA	C2C-C1C-NC	5.21	115.45	109.98
14	B	824	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
14	L	201	CLA	C1D-ND-C4D	-5.21	102.66	106.31
17	Z	843	BCR	C34-C9-C10	-5.21	114.38	122.82
14	H	815	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	G	839	CLA	O2A-CGA-O1A	-5.21	110.61	123.63
14	A	820	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	A	814	CLA	O2A-CGA-O1A	-5.20	110.61	123.63
14	B	833	CLA	O2A-CGA-O1A	-5.20	110.61	123.63
17	H	843	BCR	C37-C22-C21	-5.20	114.39	122.82
14	Y	838	CLA	C3B-C2B-C1B	-5.20	101.04	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	828	CLA	C2D-C1D-ND	5.20	115.27	110.13
14	Y	814	CLA	C1D-ND-C4D	-5.20	102.66	106.31
14	B	806	CLA	C2C-C1C-NC	5.20	115.44	109.98
17	d	203	BCR	C24-C23-C22	-5.20	118.54	126.23
14	B	811	CLA	O2A-CGA-O1A	-5.20	110.62	123.63
14	A	830	CLA	C4A-NA-C1A	5.20	109.05	106.68
17	R	102	BCR	C36-C18-C17	-5.20	114.39	122.82
17	e	101	BCR	C24-C23-C22	-5.20	118.54	126.23
14	B	826	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	B	820	CLA	O2D-CGD-CBD	5.20	120.32	111.23
14	B	840	CLA	C2D-C1D-ND	5.20	115.27	110.13
14	Z	833	CLA	C4A-NA-C1A	5.20	109.05	106.68
14	Q	203	CLA	C3D-C2D-C1D	-5.19	98.74	105.83
14	h	207	CLA	C1D-ND-C4D	-5.19	102.67	106.31
14	Z	825	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	g	101	CLA	C4A-NA-C1A	5.19	109.05	106.68
14	Z	813	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	G	822	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	Y	828	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
14	H	811	CLA	C3B-C2B-C1B	-5.19	101.05	107.17
14	B	812	CLA	C4A-NA-C1A	5.19	109.05	106.68
14	H	829	CLA	C2C-C1C-NC	5.19	115.43	109.98
14	Z	813	CLA	C1D-ND-C4D	-5.19	102.67	106.31
14	B	804	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
17	B	845	BCR	C33-C5-C6	-5.19	118.82	124.48
14	Z	831	CLA	O2A-CGA-O1A	-5.19	110.65	123.63
14	H	813	CLA	C2D-C1D-ND	5.19	115.26	110.13
17	G	850	BCR	C31-C1-C6	-5.19	102.11	110.24
14	G	835	CLA	C1D-ND-C4D	-5.18	102.67	106.31
14	H	822	CLA	O2A-CGA-O1A	-5.18	110.66	123.63
14	A	836	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	A	823	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	Y	805	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	G	820	CLA	C1C-C2C-C3C	-5.18	101.53	106.98
14	Y	802	CLA	C2D-C1D-ND	5.18	115.25	110.13
14	B	801	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	H	833	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	G	808	CLA	C3D-C2D-C1D	-5.18	98.76	105.83
14	T	101	CLA	C1C-C2C-C3C	-5.18	101.53	106.98
14	Z	824	CLA	C1C-C2C-C3C	-5.18	101.53	106.98
14	A	810	CLA	C1D-ND-C4D	-5.18	102.68	106.31
14	L	206	CLA	C3B-C2B-C1B	-5.18	101.07	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	S	1103	CLA	C3D-C2D-C1D	-5.18	98.77	105.83
14	G	833	CLA	C3D-C2D-C1D	-5.18	98.77	105.83
17	H	842	BCR	C36-C18-C17	-5.18	114.43	122.82
14	G	806	CLA	O2A-CGA-CBA	5.18	127.61	111.83
14	H	829	CLA	C1D-ND-C4D	-5.18	102.68	106.31
14	X	1701	CLA	O2D-CGD-CBD	5.17	120.28	111.23
14	J	101	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	A	803	CLA	C2D-C1D-ND	5.17	115.25	110.13
14	S	1101	CLA	C4A-NA-C1A	5.17	109.04	106.68
14	A	806	CLA	C1D-ND-C4D	-5.17	102.68	106.31
14	f	102	CLA	C1D-ND-C4D	-5.17	102.68	106.31
14	B	841	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	G	833	CLA	O2A-CGA-O1A	-5.17	110.69	123.63
14	A	825	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	Z	822	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	F	202	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	A	836	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	Y	810	CLA	C1D-ND-C4D	-5.17	102.69	106.31
14	J	101	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	Y	821	CLA	C1D-ND-C4D	-5.17	102.69	106.31
14	J	102	CLA	C1C-C2C-C3C	-5.17	101.55	106.98
14	Z	814	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	Z	802	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	T	103	CLA	O2A-CGA-O1A	-5.17	110.04	123.33
14	Z	830	CLA	C1D-ND-C4D	-5.17	102.69	106.31
14	H	820	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
17	Z	843	BCR	C36-C18-C17	-5.17	114.45	122.82
14	Z	839	CLA	C4A-NA-C1A	5.16	109.03	106.68
14	Y	824	CLA	C1D-ND-C4D	-5.16	102.69	106.31
17	h	203	BCR	C19-C18-C17	5.16	127.13	119.01
14	H	816	CLA	C4A-NA-C1A	5.16	109.03	106.68
14	Y	807	CLA	C3B-C2B-C1B	-5.16	101.08	107.17
14	A	825	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	H	824	CLA	O2A-CGA-CBA	5.16	127.57	111.83
14	Z	826	CLA	C2D-C1D-ND	5.16	115.23	110.13
17	L	208	BCR	C34-C9-C8	5.16	125.97	118.09
17	L	209	BCR	C37-C22-C21	-5.16	114.46	122.82
14	G	833	CLA	C1D-ND-C4D	-5.16	102.69	106.31
14	h	206	CLA	O2D-CGD-CBD	5.16	120.25	111.23
14	Y	816	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
14	H	832	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	G	802	CLA	C1C-C2C-C3C	-5.16	101.56	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	S	1103	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	B	807	CLA	O2A-CGA-O1A	-5.16	110.73	123.63
14	H	813	CLA	C2C-C1C-NC	5.16	115.40	109.98
14	K	103	CLA	C1D-ND-C4D	-5.16	102.69	106.31
14	H	833	CLA	O2A-CGA-O1A	-5.15	110.08	123.33
14	Y	842	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	H	810	CLA	C2D-C1D-ND	5.15	115.23	110.13
14	Y	824	CLA	C2D-C1D-ND	5.15	115.23	110.13
14	Y	839	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	L	207	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	A	812	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	A	812	CLA	C1D-ND-C4D	-5.15	102.70	106.31
14	Y	834	CLA	C1D-ND-C4D	-5.15	102.70	106.31
14	A	828	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	A	835	CLA	C2C-C1C-NC	5.15	115.39	109.98
14	G	806	CLA	C2C-C1C-NC	5.15	115.39	109.98
17	Z	844	BCR	C28-C27-C26	-5.15	104.87	114.06
14	Y	814	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	G	842	CLA	C2D-C1D-ND	5.15	115.22	110.13
14	G	807	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	A	833	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	H	811	CLA	C1D-ND-C4D	-5.15	102.70	106.31
14	H	819	CLA	OBD-CAD-C3D	-5.15	116.38	128.42
14	H	817	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	Y	803	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	G	830	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	G	842	CLA	C3D-C2D-C1D	-5.15	98.81	105.83
14	Y	813	CLA	O2A-CGA-O1A	-5.14	110.76	123.63
14	B	821	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	Z	826	CLA	C2C-C1C-NC	5.14	115.39	109.98
14	Z	811	CLA	C1D-ND-C4D	-5.14	102.70	106.31
14	Z	834	CLA	C1D-ND-C4D	-5.14	102.70	106.31
14	A	818	CLA	C4A-NA-C1A	5.14	109.03	106.68
14	H	824	CLA	O2A-CGA-O1A	-5.14	110.77	123.63
14	G	838	CLA	C1D-ND-C4D	-5.14	102.71	106.31
17	S	1104	BCR	C36-C18-C17	-5.14	114.49	122.82
14	Z	802	CLA	C1C-C2C-C3C	-5.14	101.58	106.98
14	G	814	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	B	818	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	Z	834	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	B	839	CLA	C1D-ND-C4D	-5.14	102.71	106.31
14	Z	839	CLA	C2D-C1D-ND	5.14	115.21	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	812	CLA	C1C-C2C-C3C	-5.14	101.58	106.98
17	H	842	BCR	C34-C9-C10	-5.14	114.50	122.82
14	A	809	CLA	C1D-ND-C4D	-5.14	102.71	106.31
14	H	822	CLA	C2D-C1D-ND	5.13	115.21	110.13
14	A	841	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	Z	826	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	G	823	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	B	830	CLA	O2A-CGA-O1A	-5.13	110.13	123.33
14	A	852	CLA	C2D-C1D-ND	5.13	115.21	110.13
14	B	813	CLA	C4A-NA-C1A	5.13	109.02	106.68
14	G	818	CLA	O2A-CGA-O1A	-5.13	110.79	123.63
14	Y	840	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	B	821	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	H	820	CLA	O2A-CGA-O1A	-5.13	110.14	123.33
14	Z	806	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	Z	825	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	H	830	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	Z	804	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	Y	802	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	B	824	CLA	C2D-C1D-ND	5.13	115.20	110.13
14	H	832	CLA	O2D-CGD-CBD	5.13	120.19	111.23
14	G	805	CLA	C1-C2-C3	-5.13	117.80	126.20
14	B	809	CLA	O2A-CGA-O1A	-5.13	110.80	123.63
14	h	206	CLA	C3D-C2D-C1D	-5.13	98.84	105.83
14	A	823	CLA	O2A-CGA-O1A	-5.13	110.81	123.63
14	Z	839	CLA	C3D-C2D-C1D	-5.13	98.84	105.83
14	A	816	CLA	C3D-C2D-C1D	-5.13	98.84	105.83
17	A	846	BCR	C28-C27-C26	-5.12	104.92	114.06
14	Y	837	CLA	O2D-CGD-CBD	5.12	120.19	111.23
14	B	822	CLA	C1D-ND-C4D	-5.12	102.72	106.31
14	B	803	CLA	O2A-CGA-O1A	-5.12	110.82	123.63
14	H	820	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
14	Z	818	CLA	C2C-C1C-NC	5.12	115.36	109.98
14	G	817	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
14	F	202	CLA	C4A-NA-C1A	5.12	109.01	106.68
14	H	821	CLA	C4A-NA-C1A	5.12	109.01	106.68
14	Y	816	CLA	C1C-C2C-C3C	-5.12	101.60	106.98
14	B	825	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
14	G	833	CLA	C1C-C2C-C3C	-5.12	101.60	106.98
14	G	839	CLA	C3B-C2B-C1B	-5.12	101.14	107.17
14	Z	810	CLA	C2C-C1C-NC	5.12	115.36	109.98
14	Z	809	CLA	C1C-C2C-C3C	-5.12	101.60	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	802	CLA	C4A-NA-C1A	5.12	109.01	106.68
14	H	813	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	S	1103	CLA	C2D-C1D-ND	5.12	115.19	110.13
14	H	817	CLA	C1C-C2C-C3C	-5.12	101.60	106.98
14	Y	824	CLA	O2A-CGA-O1A	-5.12	110.83	123.63
14	Z	828	CLA	C1C-C2C-C3C	-5.11	101.60	106.98
14	T	101	CLA	C3B-C2B-C1B	-5.11	101.14	107.17
14	H	811	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	G	836	CLA	C1C-C2C-C3C	-5.11	101.60	106.98
14	Z	818	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	Y	837	CLA	C3D-C2D-C1D	-5.11	98.85	105.83
14	Z	827	CLA	C1D-ND-C4D	-5.11	102.73	106.31
14	A	821	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	H	826	CLA	C2C-C1C-NC	5.11	115.35	109.98
14	B	816	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
14	Y	836	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	A	816	CLA	O2A-CGA-O1A	-5.11	110.85	123.63
14	Z	820	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
14	Z	838	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
17	H	841	BCR	C36-C18-C17	-5.11	114.54	122.82
14	Y	833	CLA	O2D-CGD-CBD	5.11	120.16	111.23
14	H	834	CLA	O2A-CGA-O1A	-5.11	110.86	123.63
14	Y	820	CLA	C3B-C2B-C1B	-5.11	101.15	107.17
14	A	806	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	Z	802	CLA	C2D-C1D-ND	5.11	115.18	110.13
14	H	805	CLA	C2C-C1C-NC	5.11	115.34	109.98
14	A	818	CLA	C2D-C1D-ND	5.10	115.18	110.13
14	B	813	CLA	O2A-CGA-CBA	5.10	127.40	111.83
14	G	814	CLA	O2A-CGA-O1A	-5.10	110.86	123.63
14	A	827	CLA	C1D-ND-C4D	-5.10	102.73	106.31
14	H	803	CLA	O2A-CGA-O1A	-5.10	110.86	123.63
14	A	818	CLA	C1D-ND-C4D	-5.10	102.73	106.31
14	H	804	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	U	1004	CLA	O2A-CGA-O1A	-5.10	110.87	123.63
14	Y	806	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
14	A	841	CLA	O2A-CGA-O1A	-5.10	110.87	123.63
14	B	834	CLA	O2A-CGA-O1A	-5.10	110.23	123.33
14	f	102	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
14	Z	831	CLA	C2C-C1C-NC	5.09	115.33	109.98
14	H	806	CLA	C4A-NA-C1A	5.09	109.00	106.68
14	H	801	CLA	C1C-C2C-C3C	-5.09	101.62	106.98
14	B	816	CLA	O2A-CGA-O1A	-5.09	110.89	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	C2D-C1D-ND	5.09	115.17	110.13
14	B	805	CLA	O2A-CGA-O1A	-5.09	110.89	123.63
14	A	840	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	H	830	CLA	C4A-NA-C1A	5.09	109.00	106.68
14	Z	813	CLA	C1C-C2C-C3C	-5.09	101.63	106.98
14	Y	808	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
14	Z	836	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	H	815	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	Z	830	CLA	C2D-C1D-ND	5.09	115.16	110.13
14	H	827	CLA	C2C-C1C-NC	5.09	115.33	109.98
14	A	822	CLA	O2A-CGA-O1A	-5.09	110.90	123.63
14	G	838	CLA	C2D-C1D-ND	5.09	115.16	110.13
14	U	1004	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	A	809	CLA	C1-O2A-CGA	5.09	128.96	116.65
14	G	826	CLA	C2D-C1D-ND	5.08	115.16	110.13
14	A	838	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	f	102	CLA	O2A-CGA-O1A	-5.08	110.91	123.63
14	Z	832	CLA	O2A-CGA-O1A	-5.08	110.26	123.33
14	A	808	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	H	804	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	Y	820	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	G	812	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	Y	828	CLA	C2D-C1D-ND	5.08	115.16	110.13
14	Z	801	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
13	A	801	CL0	O2A-CGA-CBA	5.08	127.32	111.83
14	G	831	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	B	823	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	g	101	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	Z	820	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	A	813	CLA	C1C-C2C-C3C	-5.08	101.64	106.98
14	Z	816	CLA	C1C-C2C-C3C	-5.07	101.64	106.98
14	A	826	CLA	C2C-C1C-NC	5.07	115.31	109.98
14	H	811	CLA	C2C-C1C-NC	5.07	115.31	109.98
14	G	829	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	G	832	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
14	Y	840	CLA	C1D-ND-C4D	-5.07	102.75	106.31
14	A	830	CLA	C2D-C1D-ND	5.07	115.14	110.13
14	H	821	CLA	O2A-CGA-O1A	-5.07	110.94	123.63
14	K	101	CLA	C1C-C2C-C3C	-5.07	101.65	106.98
14	B	833	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
14	Y	815	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
17	Y	856	BCR	C39-C30-C25	-5.07	102.29	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	809	CLA	O2A-CGA-O1A	-5.07	110.95	123.63
14	Z	811	CLA	C4A-NA-C1A	5.07	108.99	106.68
17	Q	202	BCR	C24-C23-C22	-5.07	118.74	126.23
14	G	830	CLA	O2D-CGD-CBD	5.07	120.09	111.23
17	J	104	BCR	C34-C9-C8	5.07	125.83	118.09
14	Y	842	CLA	C3D-C2D-C1D	-5.07	98.92	105.83
14	G	842	CLA	C1D-ND-C4D	-5.07	102.76	106.31
14	G	819	CLA	C3B-C2B-C1B	-5.07	101.20	107.17
14	A	822	CLA	C3B-C2B-C1B	-5.07	101.20	107.17
17	B	845	BCR	C24-C23-C22	-5.06	118.74	126.23
14	Y	854	CLA	C2C-C1C-NC	5.06	115.30	109.98
14	H	834	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	K	103	CLA	C2D-C1D-ND	5.06	115.14	110.13
14	G	804	CLA	C1D-ND-C4D	-5.06	102.76	106.31
14	S	1102	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	B	813	CLA	C2D-C1D-ND	5.06	115.14	110.13
14	B	810	CLA	C4A-NA-C1A	5.06	108.99	106.68
14	Y	836	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	Z	811	CLA	C2C-C1C-NC	5.06	115.30	109.98
14	G	831	CLA	C3B-C2B-C1B	-5.06	101.21	107.17
17	L	209	BCR	C7-C8-C9	-5.06	118.75	126.23
17	G	854	BCR	C34-C9-C8	5.06	125.81	118.09
17	V	1202	BCR	C23-C24-C25	-5.06	113.49	127.00
17	G	846	BCR	C24-C23-C22	-5.06	118.75	126.23
14	G	823	CLA	C3B-C2B-C1B	-5.06	101.21	107.17
14	A	814	CLA	O2D-CGD-CBD	5.06	120.07	111.23
14	Z	816	CLA	C3D-C2D-C1D	-5.05	98.93	105.83
14	B	825	CLA	O2D-CGD-CBD	5.05	120.06	111.23
14	K	103	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	A	823	CLA	O2D-CGD-CBD	5.05	120.06	111.23
14	W	1701	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	Y	812	CLA	C2D-C1D-ND	5.05	115.13	110.13
14	Z	821	CLA	C2C-C1C-NC	5.05	115.29	109.98
14	A	838	CLA	C1C-C2C-C3C	-5.05	101.67	106.98
14	G	818	CLA	O2A-CGA-CBA	5.05	127.24	111.83
14	G	811	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	Y	842	CLA	C4A-NA-C1A	5.05	108.98	106.68
14	G	831	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	G	834	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
17	Y	849	BCR	C36-C18-C17	-5.05	114.64	122.82
14	G	837	CLA	C2D-C1D-ND	5.05	115.12	110.13
14	H	801	CLA	C2D-C1D-ND	5.05	115.12	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	836	CLA	C3B-C2B-C1B	-5.04	101.22	107.17
14	H	820	CLA	C2D-C1D-ND	5.04	115.12	110.13
14	G	820	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	Y	813	CLA	C2D-C1D-ND	5.04	115.12	110.13
14	G	807	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	H	825	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	B	815	CLA	C2C-C1C-NC	5.04	115.28	109.98
14	Y	830	CLA	C2D-C1D-ND	5.04	115.11	110.13
14	Z	831	CLA	C3B-C2B-C1B	-5.04	101.23	107.17
14	B	840	CLA	C3D-C2D-C1D	-5.04	98.96	105.83
17	e	101	BCR	C8-C7-C6	-5.03	113.55	127.00
14	S	1101	CLA	C1C-C2C-C3C	-5.03	101.69	106.98
14	G	804	CLA	C3B-C2B-C1B	-5.03	101.23	107.17
14	B	816	CLA	C3D-C2D-C1D	-5.03	98.96	105.83
14	Y	824	CLA	C3D-C2D-C1D	-5.03	98.96	105.83
14	G	831	CLA	C2C-C1C-NC	5.03	115.27	109.98
13	G	801	CL0	C3B-C2B-C1B	-5.03	101.24	107.17
14	Z	832	CLA	C1D-ND-C4D	-5.03	102.78	106.31
14	H	830	CLA	C2C-C1C-NC	5.03	115.27	109.98
17	Q	204	BCR	C23-C24-C25	-5.03	113.57	127.00
14	B	830	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	Y	855	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
17	A	848	BCR	C34-C9-C10	-5.03	114.67	122.82
14	Z	838	CLA	O2A-CGA-O1A	-5.03	111.05	123.63
14	B	814	CLA	C2C-C1C-NC	5.03	115.26	109.98
14	A	805	CLA	C1D-ND-C4D	-5.03	102.78	106.31
14	G	830	CLA	O2A-CGA-O1A	-5.03	111.06	123.63
14	B	836	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	G	827	CLA	C3B-C2B-C1B	-5.03	101.25	107.17
14	A	819	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	Y	808	CLA	C1C-C2C-C3C	-5.02	101.70	106.98
14	G	836	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	G	809	CLA	O2A-CGA-O1A	-5.02	111.07	123.63
14	A	839	CLA	C1C-C2C-C3C	-5.02	101.70	106.98
14	A	835	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	B	806	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	Y	818	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	h	205	CLA	O2A-CGA-CBA	5.02	127.13	111.83
17	Z	842	BCR	C24-C23-C22	-5.02	118.81	126.23
14	Y	819	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	H	806	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	d	201	CLA	C3B-C2B-C1B	-5.01	101.26	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	825	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	G	826	CLA	O2D-CGD-CBD	5.01	119.99	111.23
14	Y	819	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	Y	821	CLA	C2D-C1D-ND	5.01	115.09	110.13
14	Q	201	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	Y	809	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	Y	826	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	S	1101	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	A	822	CLA	O2D-CGD-CBD	5.01	119.99	111.23
14	Z	807	CLA	O2A-CGA-O1A	-5.01	111.09	123.63
14	H	822	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	Z	826	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	G	811	CLA	O2A-CGA-O1A	-5.01	111.10	123.63
14	G	820	CLA	C4A-NA-C1A	5.01	108.96	106.68
14	G	825	CLA	C3B-C2B-C1B	-5.01	101.27	107.17
14	B	821	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	B	808	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
14	Y	806	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
17	A	849	BCR	C8-C7-C6	-5.01	113.62	127.00
14	B	838	CLA	O2D-CGD-CBD	5.01	119.98	111.23
13	Y	801	CL0	C3D-C2D-C1D	-5.01	99.00	105.83
14	B	825	CLA	O2A-CGA-CBA	5.00	127.09	111.83
14	Y	832	CLA	C1C-C2C-C3C	-5.00	101.72	106.98
14	G	814	CLA	C2D-C1D-ND	5.00	115.08	110.13
14	B	841	CLA	O2A-CGA-O1A	-5.00	111.11	123.63
14	G	835	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	Z	822	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	Z	812	CLA	C3B-C2B-C1B	-5.00	101.27	107.17
14	H	810	CLA	C3B-C2B-C1B	-5.00	101.27	107.17
14	H	815	CLA	C2D-C1D-ND	5.00	115.08	110.13
14	A	838	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
14	Z	810	CLA	C4A-NA-C1A	5.00	108.96	106.68
14	K	101	CLA	C1D-ND-C4D	-5.00	102.80	106.31
14	H	815	CLA	C2C-C1C-NC	5.00	115.23	109.98
14	H	803	CLA	C1D-ND-C4D	-5.00	102.81	106.31
14	B	830	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	B	838	CLA	O2A-CGA-CBA	5.00	127.07	111.83
14	Y	855	CLA	C4A-NA-C1A	5.00	108.96	106.68
14	W	1701	CLA	O2A-CGA-O1A	-5.00	110.48	123.33
14	Y	838	CLA	C2C-C1C-NC	4.99	115.23	109.98
14	H	802	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	A	833	CLA	OBD-CAD-C3D	-4.99	116.75	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	840	CLA	O2A-CGA-CBA	4.99	127.06	111.83
14	A	814	CLA	C1D-ND-C4D	-4.99	102.81	106.31
14	B	825	CLA	C3D-C2D-C1D	-4.99	99.02	105.83
14	B	838	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	A	837	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	Y	802	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	G	817	CLA	O2D-CGD-CBD	4.99	119.95	111.23
14	H	823	CLA	C3D-C2D-C1D	-4.99	99.02	105.83
14	A	833	CLA	C4A-NA-C1A	4.99	108.95	106.68
14	G	808	CLA	C3B-C2B-C1B	-4.99	101.29	107.17
14	Z	810	CLA	C1C-C2C-C3C	-4.98	101.74	106.98
14	H	818	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
14	H	817	CLA	O2D-CGD-CBD	4.98	119.94	111.23
14	G	828	CLA	C2C-C1C-NC	4.98	115.22	109.98
14	G	830	CLA	C4A-NA-C1A	4.98	108.95	106.68
14	H	803	CLA	CMB-C2B-C1B	4.98	133.00	125.42
14	Y	813	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
14	L	205	CLA	O2A-CGA-O1A	-4.98	111.17	123.63
14	J	102	CLA	O2A-CGA-CBA	4.98	127.02	111.83
14	Y	854	CLA	O2A-CGA-O1A	-4.98	111.17	123.63
17	H	848	BCR	C24-C23-C22	-4.98	118.87	126.23
14	Z	811	CLA	C1C-C2C-C3C	-4.98	101.74	106.98
14	T	101	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
13	A	801	CL0	C1C-C2C-C3C	-4.98	101.74	106.98
14	A	823	CLA	C2C-C1C-NC	4.98	115.21	109.98
14	K	103	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	j	102	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
14	Z	832	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	B	813	CLA	C3B-C2B-C1B	-4.97	101.31	107.17
14	B	814	CLA	C1D-ND-C4D	-4.97	102.82	106.31
14	B	828	CLA	O2A-CGA-O1A	-4.97	111.19	123.63
14	G	827	CLA	C1D-ND-C4D	-4.97	102.82	106.31
17	G	849	BCR	C37-C22-C21	-4.97	114.76	122.82
14	A	824	CLA	O2A-CGA-O1A	-4.97	111.19	123.63
14	Z	816	CLA	C2D-C1D-ND	4.97	115.05	110.13
14	G	853	CLA	C3B-C2B-C1B	-4.97	101.31	107.17
14	B	821	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	B	826	CLA	C4A-NA-C1A	4.97	108.95	106.68
14	A	808	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	A	803	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	Y	822	CLA	C2D-C1D-ND	4.97	115.04	110.13
14	G	838	CLA	O2D-CGD-CBD	4.97	119.91	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1002	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
14	Y	816	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
14	Z	837	CLA	C4A-NA-C1A	4.96	108.94	106.68
17	Q	204	BCR	C12-C13-C14	4.96	126.82	119.01
14	A	816	CLA	C4A-NA-C1A	4.96	108.94	106.68
14	Z	821	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
14	G	853	CLA	O2A-CGA-O1A	-4.96	110.58	123.33
14	Z	835	CLA	O2A-CGA-O1A	-4.96	111.22	123.63
17	Y	850	BCR	C34-C9-C8	4.96	125.66	118.09
14	A	820	CLA	C3D-C2D-C1D	-4.96	99.07	105.83
14	B	835	CLA	C2C-C1C-NC	4.96	115.19	109.98
14	Z	803	CLA	C3D-C2D-C1D	-4.96	99.07	105.83
17	f	104	BCR	C34-C9-C10	-4.96	114.79	122.82
14	A	830	CLA	C1C-C2C-C3C	-4.96	101.77	106.98
14	h	207	CLA	C2D-C1D-ND	4.96	115.03	110.13
14	Z	818	CLA	O2D-CGD-CBD	4.96	119.89	111.23
17	M	101	BCR	C37-C22-C21	-4.96	114.79	122.82
14	A	852	CLA	C1D-ND-C4D	-4.95	102.84	106.31
14	A	819	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	G	825	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	Y	829	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	X	1701	CLA	C2D-C1D-ND	4.95	115.03	110.13
14	Y	843	CLA	C4A-NA-C1A	4.95	108.94	106.68
14	A	835	CLA	O2A-CGA-O1A	-4.95	110.60	123.33
14	h	205	CLA	C3B-C2B-C1B	-4.95	101.33	107.17
14	G	804	CLA	O2A-CGA-O1A	-4.95	111.25	123.63
14	G	836	CLA	O2A-CGA-O1A	-4.95	111.25	123.63
14	A	805	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
14	A	830	CLA	C1D-ND-C4D	-4.95	102.84	106.31
14	H	808	CLA	C3D-C2D-C1D	-4.95	99.08	105.83
14	H	828	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
14	T	103	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
14	B	818	CLA	O2A-CGA-CBA	4.94	126.91	111.83
14	Z	819	CLA	C3B-C2B-C1B	-4.94	101.34	107.17
14	Y	818	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
14	Z	834	CLA	C4A-NA-C1A	4.94	108.93	106.68
17	Y	850	BCR	C24-C23-C22	-4.94	118.92	126.23
14	Y	817	CLA	C3B-C2B-C1B	-4.94	101.34	107.17
14	H	804	CLA	C1D-ND-C4D	-4.94	102.84	106.31
14	Z	822	CLA	C1D-ND-C4D	-4.94	102.84	106.31
14	T	101	CLA	C4A-NA-C1A	4.94	108.93	106.68
14	H	831	CLA	O2A-CGA-O1A	-4.94	110.63	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	207	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	B	822	CLA	C1C-C2C-C3C	-4.94	101.78	106.98
14	H	835	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
14	Y	823	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	Z	820	CLA	O2A-CGA-O1A	-4.94	111.28	123.63
14	H	836	CLA	C1C-C2C-C3C	-4.94	101.79	106.98
14	Z	810	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	A	816	CLA	C2D-C1D-ND	4.93	115.01	110.13
17	R	101	BCR	C8-C7-C6	-4.93	113.82	127.00
17	V	1202	BCR	C23-C22-C21	4.93	126.77	119.01
14	Q	203	CLA	C1D-ND-C4D	-4.93	102.85	106.31
14	Y	825	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
17	G	846	BCR	C15-C14-C13	-4.93	120.36	127.28
14	A	815	CLA	O2A-CGA-O1A	-4.93	111.30	123.63
14	Y	840	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	Z	803	CLA	C1C-C2C-C3C	-4.93	101.80	106.98
14	A	832	CLA	C4A-NA-C1A	4.93	108.93	106.68
14	G	853	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
14	B	837	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	G	809	CLA	C2C-C1C-NC	4.93	115.16	109.98
17	J	103	BCR	C34-C9-C8	4.93	125.61	118.09
14	H	806	CLA	C1D-ND-C4D	-4.93	102.86	106.31
14	H	814	CLA	C1C-C2C-C3C	-4.93	101.80	106.98
14	Z	805	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
17	B	843	BCR	C19-C18-C17	4.92	126.75	119.01
13	A	801	CL0	O2D-CGD-CBD	4.92	119.84	111.23
14	Y	838	CLA	C3D-C2D-C1D	-4.92	99.11	105.83
17	f	105	BCR	C24-C23-C22	-4.92	118.95	126.23
14	G	843	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	G	819	CLA	C4A-NA-C1A	4.92	108.92	106.68
14	H	825	CLA	O2D-CGD-CBD	4.92	119.83	111.23
14	A	833	CLA	C1C-C2C-C3C	-4.92	101.81	106.98
14	A	803	CLA	O2A-CGA-O1A	-4.92	111.32	123.63
14	A	817	CLA	C1D-ND-C4D	-4.92	102.86	106.31
14	L	207	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	Y	811	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	d	202	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	d	201	CLA	C1C-C2C-C3C	-4.92	101.81	106.98
14	A	821	CLA	C2C-C1C-NC	4.91	115.14	109.98
14	Y	809	CLA	C1D-ND-C4D	-4.91	102.86	106.31
14	Z	831	CLA	C2D-C1D-ND	4.91	114.99	110.13
14	G	833	CLA	C2C-C1C-NC	4.91	115.14	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	J	101	CLA	C2D-C1D-ND	4.91	114.99	110.13
14	G	802	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	A	831	CLA	C2C-C1C-NC	4.91	115.14	109.98
14	G	805	CLA	C2C-C1C-NC	4.91	115.14	109.98
14	Z	804	CLA	O2A-CGA-O1A	-4.91	111.34	123.63
14	A	826	CLA	C2D-C1D-ND	4.91	114.98	110.13
14	B	838	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
14	Z	833	CLA	O2A-CGA-O1A	-4.91	110.71	123.33
14	X	1701	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
14	G	802	CLA	O2A-CGA-CBA	4.91	126.80	111.83
14	B	818	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	G	811	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	Y	818	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	Z	806	CLA	C2D-C1D-ND	4.91	114.98	110.13
14	A	821	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
14	A	830	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
17	H	845	BCR	C36-C18-C17	-4.91	114.87	122.82
14	H	804	CLA	C3B-C2B-C1B	-4.91	101.39	107.17
14	Q	203	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	Y	823	CLA	C3B-C2B-C1B	-4.91	101.39	107.17
14	Y	838	CLA	O2A-CGA-O1A	-4.90	111.36	123.63
14	A	812	CLA	C2D-C1D-ND	4.90	114.98	110.13
17	H	848	BCR	C34-C9-C8	4.90	125.58	118.09
17	Y	848	BCR	C33-C5-C6	-4.90	119.13	124.48
14	G	821	CLA	O2A-CGA-O1A	-4.90	111.36	123.63
14	A	839	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	Z	818	CLA	C4A-NA-C1A	4.90	108.92	106.68
14	H	826	CLA	O2A-CGA-CBA	4.90	126.78	111.83
14	A	802	CLA	C3D-C2D-C1D	-4.90	99.14	105.83
17	U	1005	BCR	C34-C9-C10	-4.90	114.87	122.82
14	Y	806	CLA	O2A-CGA-O1A	-4.90	111.36	123.63
17	G	854	BCR	C15-C14-C13	-4.90	120.40	127.28
14	B	820	CLA	C3D-C2D-C1D	-4.90	99.14	105.83
14	L	207	CLA	C2D-C1D-ND	4.90	114.98	110.13
14	B	829	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
14	B	823	CLA	C4A-NA-C1A	4.90	108.91	106.68
17	U	1007	BCR	C34-C9-C8	4.90	125.57	118.09
14	G	805	CLA	O2D-CGD-CBD	4.90	119.79	111.23
14	Z	829	CLA	C2C-C1C-NC	4.90	115.13	109.98
14	G	836	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
14	B	812	CLA	C3B-C2B-C1B	-4.90	101.40	107.17
14	j	102	CLA	C2D-C1D-ND	4.89	114.97	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	103	CLA	O2A-CGA-O1A	-4.89	110.75	123.33
14	B	836	CLA	O2D-CGD-CBD	4.89	119.78	111.23
14	B	819	CLA	C1D-ND-C4D	-4.89	102.88	106.31
14	Z	825	CLA	C1D-ND-C4D	-4.89	102.88	106.31
17	F	203	BCR	C12-C13-C14	4.89	126.70	119.01
14	A	852	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	g	102	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	A	805	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	A	809	CLA	O2A-C1-C2	4.89	126.93	108.11
14	H	810	CLA	C3D-C2D-C1D	-4.89	99.16	105.83
14	H	830	CLA	C1D-ND-C4D	-4.89	102.88	106.31
14	H	821	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	H	833	CLA	C3D-C2D-C1D	-4.89	99.16	105.83
17	Q	204	BCR	C37-C22-C21	-4.89	114.89	122.82
14	S	1102	CLA	C4A-NA-C1A	4.89	108.91	106.68
14	A	836	CLA	O2A-CGA-O1A	-4.89	111.40	123.63
14	Z	818	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	H	816	CLA	C1C-C2C-C3C	-4.89	101.84	106.98
14	H	817	CLA	O2A-CGA-O1A	-4.89	111.41	123.63
14	H	811	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	Z	815	CLA	C1C-C2C-C3C	-4.89	101.84	106.98
14	Z	835	CLA	C2C-C1C-NC	4.88	115.11	109.98
14	B	832	CLA	C3B-C2B-C1B	-4.88	101.41	107.17
14	Y	805	CLA	C1C-C2C-C3C	-4.88	101.84	106.98
14	B	808	CLA	O2D-CGD-CBD	4.88	119.77	111.23
14	Z	802	CLA	C3D-C2D-C1D	-4.88	99.17	105.83
14	A	824	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	G	810	CLA	C2C-C1C-NC	4.88	115.11	109.98
14	G	843	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	d	202	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	G	818	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
14	H	814	CLA	O2D-CGD-CBD	4.88	119.76	111.23
14	H	831	CLA	O2D-CGD-CBD	4.88	119.76	111.23
14	H	838	CLA	C2D-C1D-ND	4.88	114.95	110.13
14	Y	843	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	G	822	CLA	O2A-CGA-O1A	-4.88	111.43	123.63
14	B	828	CLA	C1C-C2C-C3C	-4.88	101.85	106.98
14	A	839	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	Y	820	CLA	C1C-C2C-C3C	-4.88	101.85	106.98
14	B	822	CLA	C2C-C1C-NC	4.87	115.10	109.98
14	A	806	CLA	C2C-C1C-NC	4.87	115.10	109.98
14	h	207	CLA	C3D-C2D-C1D	-4.87	99.18	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	820	CLA	O2A-CGA-O1A	-4.87	111.44	123.63
14	Z	806	CLA	C2C-C1C-NC	4.87	115.10	109.98
14	Y	827	CLA	C2D-C1D-ND	4.87	114.95	110.13
14	H	811	CLA	O2A-CGA-O1A	-4.87	110.81	123.33
14	A	828	CLA	O2A-CGA-O1A	-4.87	111.45	123.63
14	Y	854	CLA	C3D-C2D-C1D	-4.87	99.19	105.83
14	G	813	CLA	C2C-C1C-NC	4.87	115.09	109.98
14	Y	802	CLA	O2A-CGA-O1A	-4.87	111.45	123.63
14	G	828	CLA	C1D-ND-C4D	-4.87	102.90	106.31
14	G	819	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	Z	839	CLA	O2D-CGD-CBD	4.87	119.74	111.23
14	L	202	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	A	807	CLA	C4A-NA-C1A	4.86	108.90	106.68
14	A	813	CLA	O2D-CGD-CBD	4.86	119.73	111.23
14	F	202	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
14	Z	802	CLA	C1D-ND-C4D	-4.86	102.90	106.31
14	Y	819	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	G	834	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	Z	807	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	H	817	CLA	C2C-C1C-NC	4.86	115.09	109.98
14	Y	833	CLA	C1D-ND-C4D	-4.86	102.90	106.31
14	H	814	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
17	H	848	BCR	C31-C1-C6	-4.86	102.62	110.24
17	G	846	BCR	C33-C5-C6	-4.86	119.18	124.48
14	B	841	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
14	Z	831	CLA	C1D-ND-C4D	-4.86	102.91	106.31
14	g	102	CLA	O2D-CGD-CBD	4.86	119.72	111.23
14	A	815	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	Y	839	CLA	O2D-CGD-CBD	4.85	119.72	111.23
14	G	812	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	Z	828	CLA	O2A-CGA-O1A	-4.85	110.85	123.33
14	G	814	CLA	C4A-NA-C1A	4.85	108.89	106.68
14	B	806	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	A	828	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	B	805	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	B	826	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	d	201	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	S	1102	CLA	C3D-C2D-C1D	-4.85	99.21	105.83
14	B	820	CLA	O2A-CGA-O1A	-4.85	110.86	123.33
14	G	835	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	X	1701	CLA	O2A-CGA-O1A	-4.85	110.86	123.33
14	Y	830	CLA	C3D-C2D-C1D	-4.85	99.22	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	807	CLA	C2C-C1C-NC	4.85	115.07	109.98
17	G	847	BCR	C24-C23-C22	-4.85	119.07	126.23
14	B	829	CLA	C2D-C1D-ND	4.85	114.92	110.13
17	U	1008	BCR	C23-C22-C21	4.85	126.63	119.01
14	G	822	CLA	C3B-C2B-C1B	-4.85	101.46	107.17
14	A	839	CLA	O2D-CGD-CBD	4.85	119.70	111.23
14	Q	203	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	Z	816	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	Z	801	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	Z	803	CLA	O2A-CGA-CBA	4.84	126.60	111.83
14	A	808	CLA	C1D-ND-C4D	-4.84	102.91	106.31
17	B	851	BCR	C36-C18-C17	-4.84	114.97	122.82
17	Q	202	BCR	C27-C26-C25	-4.84	116.16	122.70
14	G	843	CLA	O2A-CGA-O1A	-4.84	111.52	123.63
14	Y	813	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	U	1006	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	B	812	CLA	O2A-CGA-O1A	-4.84	111.52	123.63
14	G	819	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	G	840	CLA	O2D-CGD-CBD	4.84	119.69	111.23
14	G	806	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	G	836	CLA	OBD-CAD-C3D	-4.84	117.10	128.42
14	Y	830	CLA	C3B-C2B-C1B	-4.84	101.47	107.17
14	H	811	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	Z	814	CLA	C2C-C1C-NC	4.84	115.06	109.98
14	G	853	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	Y	832	CLA	C2C-C1C-NC	4.83	115.06	109.98
17	V	1202	BCR	C38-C26-C25	4.83	129.76	124.48
14	G	802	CLA	C2C-C1C-NC	4.83	115.06	109.98
14	H	831	CLA	C4A-NA-C1A	4.83	108.88	106.68
14	Y	835	CLA	C1D-ND-C4D	-4.83	102.92	106.31
17	d	203	BCR	C12-C13-C14	4.83	126.61	119.01
14	B	837	CLA	O2D-CGD-O1D	-4.83	114.44	123.85
14	H	812	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
17	Q	204	BCR	C23-C22-C21	4.83	126.61	119.01
14	A	837	CLA	O2D-CGD-CBD	4.83	119.67	111.23
14	G	840	CLA	C1C-C2C-C3C	-4.83	101.90	106.98
14	Z	835	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
14	Y	831	CLA	C3B-C2B-C1B	-4.83	101.48	107.17
14	X	1701	CLA	C4A-NA-C1A	4.83	108.88	106.68
14	H	818	CLA	O2A-CGA-O1A	-4.83	111.56	123.63
17	T	102	BCR	C36-C18-C17	-4.83	115.00	122.82
14	B	828	CLA	C2D-C1D-ND	4.82	114.90	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	828	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	Z	811	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	Y	814	CLA	C2C-C1C-NC	4.82	115.05	109.98
14	f	101	CLA	C2C-C1C-NC	4.82	115.05	109.98
14	H	817	CLA	O2A-CGA-CBA	4.82	126.53	111.83
14	B	834	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	B	808	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	H	812	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	A	827	CLA	C1C-C2C-C3C	-4.82	101.91	106.98
14	B	823	CLA	C1D-ND-C4D	-4.82	102.93	106.31
14	Z	830	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	Y	823	CLA	C1C-C2C-C3C	-4.82	101.91	106.98
14	Y	822	CLA	C3D-C2D-C1D	-4.82	99.26	105.83
17	R	101	BCR	C30-C25-C26	-4.82	116.06	122.64
14	Z	834	CLA	C1C-C2C-C3C	-4.81	101.92	106.98
14	B	829	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
14	H	838	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
14	B	818	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
17	F	201	BCR	C3-C4-C5	-4.81	105.47	114.06
14	Y	803	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
17	Y	851	BCR	C32-C1-C6	4.81	117.79	110.24
14	H	818	CLA	O2A-CGA-CBA	4.81	126.51	111.83
14	B	816	CLA	C1C-C2C-C3C	-4.81	101.92	106.98
14	H	804	CLA	O2D-CGD-CBD	4.81	119.64	111.23
14	Y	830	CLA	O2A-CGA-O1A	-4.81	111.59	123.63
14	H	822	CLA	C2C-C1C-NC	4.81	115.03	109.98
14	H	838	CLA	C2C-C1C-NC	4.81	115.03	109.98
13	Y	801	CL0	C2D-C1D-ND	4.81	114.89	110.13
14	Y	835	CLA	O2A-CGA-O1A	-4.81	111.60	123.63
17	I	101	BCR	C19-C18-C17	4.81	126.57	119.01
14	H	804	CLA	C2D-C1D-ND	4.81	114.88	110.13
14	A	836	CLA	O2D-CGD-CBD	4.81	119.63	111.23
14	G	814	CLA	C2C-C1C-NC	4.81	115.03	109.98
14	Z	811	CLA	O2D-CGD-CBD	4.81	119.63	111.23
14	A	839	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
14	f	102	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
14	B	823	CLA	O2A-CGA-O1A	-4.80	111.61	123.63
14	B	834	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	A	806	CLA	CAA-C2A-C3A	-4.80	100.02	113.00
14	A	835	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	A	805	CLA	C1C-C2C-C3C	-4.80	101.93	106.98
14	Y	812	CLA	C1C-C2C-C3C	-4.80	101.93	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	S	1104	BCR	C19-C18-C17	4.80	126.56	119.01
13	G	801	CL0	C3D-C2D-C1D	-4.80	99.28	105.83
14	A	828	CLA	C2C-C1C-NC	4.80	115.02	109.98
14	Q	203	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
14	A	838	CLA	O2A-CGA-CBA	4.80	126.46	111.83
14	A	834	CLA	C2C-C1C-NC	4.80	115.02	109.98
17	i	101	BCR	C40-C30-C25	4.80	117.76	110.24
14	Z	815	CLA	O2D-CGD-CBD	4.80	119.61	111.23
14	A	817	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	G	811	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
14	Y	841	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	A	814	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	f	101	CLA	O2A-CGA-O1A	-4.79	111.00	123.33
14	A	841	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	B	814	CLA	C1C-C2C-C3C	-4.79	101.94	106.98
14	G	810	CLA	C1C-C2C-C3C	-4.79	101.94	106.98
17	B	844	BCR	C37-C22-C23	4.79	125.41	118.09
14	Z	819	CLA	C2D-C1D-ND	4.79	114.87	110.13
14	d	202	CLA	O2A-CGA-O1A	-4.79	111.01	123.33
14	B	803	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	B	815	CLA	C2D-C1D-ND	4.79	114.87	110.13
14	Y	807	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
13	Y	801	CL0	C1C-C2C-C3C	-4.79	101.94	106.98
14	G	841	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
14	Z	812	CLA	O2D-CGD-CBD	4.79	119.60	111.23
14	G	838	CLA	O2A-CGA-CBA	4.79	126.44	111.83
14	H	816	CLA	C3B-C2B-C1B	-4.79	101.53	107.17
14	A	834	CLA	C2D-C1D-ND	4.79	114.86	110.13
17	Z	841	BCR	C36-C18-C17	-4.79	115.06	122.82
17	i	101	BCR	C7-C6-C5	-4.79	110.53	121.56
14	G	837	CLA	C1C-C2C-C3C	-4.79	101.94	106.98
14	A	827	CLA	C2C-C1C-NC	4.79	115.01	109.98
17	f	104	BCR	C7-C8-C9	-4.79	119.15	126.23
14	B	803	CLA	C2C-C1C-NC	4.79	115.01	109.98
14	A	831	CLA	C1D-ND-C4D	-4.79	102.95	106.31
14	A	827	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
14	Y	807	CLA	O2A-CGA-O1A	-4.79	111.66	123.63
14	G	821	CLA	C3D-C2D-C1D	-4.78	99.30	105.83
14	A	840	CLA	C2D-C1D-ND	4.78	114.86	110.13
14	B	817	CLA	C2D-C1D-ND	4.78	114.86	110.13
14	B	831	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
14	L	206	CLA	C3D-C2D-C1D	-4.78	99.31	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	844	BCR	C34-C9-C10	-4.78	115.07	122.82
14	Y	813	CLA	C2C-C1C-NC	4.77	115.00	109.98
14	A	820	CLA	C1D-ND-C4D	-4.77	102.96	106.31
14	G	830	CLA	C1D-ND-C4D	-4.77	102.96	106.31
17	G	849	BCR	C19-C18-C17	4.77	126.52	119.01
17	i	101	BCR	C37-C22-C21	-4.77	115.09	122.82
14	V	1201	CLA	C3B-C2B-C1B	-4.77	101.55	107.17
14	G	832	CLA	C1D-ND-C4D	-4.77	102.97	106.31
14	B	841	CLA	O2D-CGD-O1D	-4.77	114.56	123.85
14	A	806	CLA	C2D-C1D-ND	4.77	114.85	110.13
14	G	824	CLA	O2A-CGA-O1A	-4.77	111.70	123.63
17	A	845	BCR	C38-C26-C25	4.77	129.69	124.48
17	H	845	BCR	C8-C7-C6	-4.77	114.27	127.00
14	G	825	CLA	O2D-CGD-CBD	4.77	119.56	111.23
14	Y	805	CLA	C3B-C2B-C1B	-4.77	101.55	107.17
14	G	831	CLA	C4A-NA-C1A	4.77	108.85	106.68
14	Y	819	CLA	C2C-C1C-NC	4.76	114.99	109.98
14	Z	826	CLA	C4A-NA-C1A	4.76	108.85	106.68
14	g	102	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
14	A	828	CLA	C1C-C2C-C3C	-4.76	101.97	106.98
14	B	815	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
17	V	1202	BCR	C34-C9-C8	4.76	125.36	118.09
14	H	807	CLA	C2D-C1D-ND	4.76	114.84	110.13
14	B	827	CLA	O2D-CGD-CBD	4.76	119.55	111.23
14	A	806	CLA	C1C-C2C-C3C	-4.76	101.97	106.98
14	G	803	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
17	h	202	BCR	C24-C23-C22	-4.76	119.20	126.23
14	H	814	CLA	C2D-C1D-ND	4.76	114.83	110.13
14	Z	805	CLA	C2D-C1D-ND	4.76	114.83	110.13
14	Y	824	CLA	C4A-NA-C1A	4.75	108.85	106.68
14	Y	816	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	Z	830	CLA	C1C-C2C-C3C	-4.75	101.98	106.98
14	U	1003	CLA	O2A-CGA-O1A	-4.75	111.74	123.63
14	H	801	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	H	832	CLA	O2A-CGA-O1A	-4.75	111.11	123.33
14	A	832	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	Y	836	CLA	C2C-C1C-NC	4.75	114.97	109.98
14	A	806	CLA	O2D-CGD-CBD	4.75	119.54	111.23
14	Z	824	CLA	O2D-CGD-CBD	4.75	119.54	111.23
14	A	826	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
14	h	205	CLA	O2A-C1-C2	4.75	126.39	108.11
14	G	825	CLA	O2A-CGA-O1A	-4.75	111.75	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	809	CLA	C1C-C2C-C3C	-4.75	101.98	106.98
14	A	814	CLA	C2D-C1D-ND	4.75	114.83	110.13
14	Z	818	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	Y	814	CLA	C2D-C1D-ND	4.75	114.82	110.13
14	G	817	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
17	U	1008	BCR	C33-C5-C6	-4.75	119.31	124.48
14	H	807	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	Y	854	CLA	C1C-C2C-C3C	-4.75	101.99	106.98
14	A	842	CLA	C1-O2A-CGA	4.74	128.14	116.65
14	Y	834	CLA	O2D-CGD-CBD	4.74	119.52	111.23
14	A	834	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	Y	838	CLA	O2D-CGD-CBD	4.74	119.52	111.23
14	G	837	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	Z	837	CLA	O2A-CGA-O1A	-4.74	111.14	123.33
14	B	814	CLA	O2A-CGA-O1A	-4.74	111.77	123.63
14	Z	820	CLA	C2D-C1D-ND	4.74	114.82	110.13
14	g	101	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	B	824	CLA	O2A-CGA-O1A	-4.74	111.78	123.63
14	B	815	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
14	h	206	CLA	C2C-C1C-NC	4.74	114.96	109.98
14	Y	818	CLA	C2B-C1B-NB	4.74	115.24	110.33
14	H	802	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
14	g	102	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	G	842	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
17	F	201	BCR	C36-C18-C17	-4.73	115.14	122.82
14	W	1701	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	J	101	CLA	C3D-C2D-C1D	-4.73	99.37	105.83
14	B	802	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
14	H	812	CLA	C1C-C2C-C3C	-4.73	102.00	106.98
14	A	823	CLA	C2D-C1D-ND	4.73	114.81	110.13
14	A	823	CLA	C1C-C2C-C3C	-4.73	102.00	106.98
14	Z	821	CLA	C1D-ND-C4D	-4.73	102.99	106.31
14	Z	832	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	H	836	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
14	G	812	CLA	C1D-ND-C4D	-4.73	102.99	106.31
14	Q	203	CLA	O2A-CGA-O1A	-4.73	111.17	123.33
18	j	101	LHG	O7-C7-C8	4.73	121.71	111.48
14	B	831	CLA	C1C-C2C-C3C	-4.73	102.01	106.98
14	Y	838	CLA	C1C-C2C-C3C	-4.73	102.01	106.98
14	B	840	CLA	C2C-C1C-NC	4.73	114.95	109.98
14	Y	821	CLA	O2A-CGA-O1A	-4.73	111.81	123.63
14	Y	831	CLA	C4A-NA-C1A	4.73	108.83	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	831	CLA	C2B-C1B-NB	4.72	115.22	110.33
14	G	802	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	G	834	CLA	O2D-CGD-CBD	4.72	119.49	111.23
14	G	809	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	B	827	CLA	O2A-CGA-CBA	4.72	126.23	111.83
14	A	834	CLA	C4A-NA-C1A	4.72	108.83	106.68
14	d	202	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
14	Y	817	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
17	i	101	BCR	C23-C24-C25	-4.72	114.39	127.00
18	B	850	LHG	O7-C7-C8	4.72	121.69	111.48
17	G	846	BCR	C38-C26-C27	4.72	123.66	113.60
14	B	828	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	K	103	CLA	C4A-NA-C1A	4.72	108.83	106.68
14	B	801	CLA	O2D-CGD-CBD	4.72	119.48	111.23
14	j	102	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	Y	810	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
14	Y	821	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	H	826	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
14	B	813	CLA	C1C-C2C-C3C	-4.72	102.02	106.98
14	U	1004	CLA	O2A-C1-C2	4.71	126.24	108.11
14	Z	829	CLA	O2A-CGA-O1A	-4.71	111.22	123.33
14	H	837	CLA	C3D-C2D-C1D	-4.71	99.41	105.83
14	A	833	CLA	C2D-C1D-ND	4.71	114.78	110.13
14	A	811	CLA	C3D-C2D-C1D	-4.71	99.41	105.83
14	G	814	CLA	C1D-ND-C4D	-4.71	103.01	106.31
14	A	807	CLA	O2A-CGA-O1A	-4.71	111.86	123.63
17	M	101	BCR	C24-C23-C22	-4.71	119.27	126.23
14	H	816	CLA	O2A-CGA-CBA	4.71	126.18	111.83
14	f	102	CLA	C2D-C1D-ND	4.70	114.78	110.13
14	G	816	CLA	O2A-CGA-CBA	4.70	126.17	111.83
14	A	840	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	A	832	CLA	O2A-CGA-O1A	-4.70	111.86	123.63
17	Z	845	BCR	C24-C23-C22	-4.70	119.28	126.23
17	Y	848	BCR	C34-C9-C10	-4.70	115.20	122.82
17	h	202	BCR	C33-C5-C6	-4.70	119.36	124.48
14	H	813	CLA	C1D-ND-C4D	-4.70	103.02	106.31
14	Z	832	CLA	C2D-C1D-ND	4.70	114.78	110.13
14	Z	810	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	G	820	CLA	C1D-ND-C4D	-4.70	103.02	106.31
14	B	805	CLA	C3B-C2B-C1B	-4.70	101.63	107.17
14	B	835	CLA	C3D-C2D-C1D	-4.69	99.42	105.83
14	Z	811	CLA	O2A-CGA-O1A	-4.69	111.89	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	847	BCR	C37-C22-C21	-4.69	115.21	122.82
14	h	205	CLA	C2D-C1D-ND	4.69	114.77	110.13
17	A	847	BCR	C24-C23-C22	-4.69	119.29	126.23
14	Z	807	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
14	G	821	CLA	O2D-CGD-CBD	4.69	119.43	111.23
14	Z	817	CLA	C3B-C2B-C1B	-4.69	101.64	107.17
17	Y	846	BCR	C24-C23-C22	-4.69	119.30	126.23
14	H	827	CLA	O2D-CGD-CBD	4.69	119.42	111.23
14	Y	818	CLA	C2C-C1C-NC	4.69	114.90	109.98
14	Y	839	CLA	C3B-C2B-C1B	-4.69	101.65	107.17
14	L	207	CLA	C2C-C1C-NC	4.69	114.90	109.98
17	Z	841	BCR	C37-C22-C23	4.69	125.25	118.09
14	A	812	CLA	O2D-CGD-CBD	4.68	119.42	111.23
14	A	810	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	G	804	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	h	201	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	G	824	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	A	834	CLA	O2A-CGA-O1A	-4.68	111.92	123.63
14	H	821	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	G	824	CLA	C1C-C2C-C3C	-4.68	102.06	106.98
14	A	810	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	Z	821	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	Z	830	CLA	C2C-C1C-NC	4.68	114.90	109.98
14	Y	831	CLA	C2D-C1D-ND	4.68	114.75	110.13
14	H	804	CLA	O2A-CGA-O1A	-4.68	111.93	123.63
14	Y	803	CLA	C1C-C2C-C3C	-4.68	102.06	106.98
17	G	848	BCR	C23-C24-C25	-4.67	114.52	127.00
14	B	819	CLA	O2A-CGA-O1A	-4.67	111.94	123.63
14	g	102	CLA	C4A-NA-C1A	4.67	108.81	106.68
17	i	101	BCR	C3-C4-C5	-4.67	105.73	114.06
14	G	812	CLA	O2A-CGA-O1A	-4.67	111.95	123.63
14	Y	820	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
14	G	806	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
14	Y	824	CLA	C3B-C2B-C1B	-4.67	101.67	107.17
17	A	847	BCR	C33-C5-C6	-4.67	119.39	124.48
17	H	844	BCR	C36-C18-C17	-4.67	115.25	122.82
14	H	837	CLA	C1C-C2C-C3C	-4.67	102.07	106.98
14	Y	809	CLA	C1C-C2C-C3C	-4.67	102.07	106.98
14	L	205	CLA	O2D-CGD-CBD	4.67	119.39	111.23
14	A	821	CLA	C2D-C1D-ND	4.66	114.74	110.13
14	H	834	CLA	C4A-NA-C1A	4.66	108.81	106.68
14	Z	820	CLA	O2D-CGD-CBD	4.66	119.38	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	827	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	A	840	CLA	C1C-C2C-C3C	-4.66	102.08	106.98
14	g	101	CLA	C1D-ND-C4D	-4.66	103.04	106.31
14	G	824	CLA	C3B-C2B-C1B	-4.66	101.68	107.17
14	B	837	CLA	C1C-C2C-C3C	-4.66	102.08	106.98
14	Z	825	CLA	C2D-C1D-ND	4.66	114.73	110.13
14	A	832	CLA	C3D-C2D-C1D	-4.66	99.48	105.83
17	L	203	BCR	C24-C23-C22	-4.66	119.35	126.23
14	A	808	CLA	C2D-C1D-ND	4.66	114.73	110.13
14	H	812	CLA	O2D-CGD-CBD	4.66	119.37	111.23
14	Z	812	CLA	C2D-C1D-ND	4.65	114.73	110.13
14	G	831	CLA	O2A-CGA-CBA	4.65	126.03	111.83
14	H	822	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	J	102	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
17	K	102	BCR	C36-C18-C17	-4.65	115.28	122.82
14	T	103	CLA	C4A-NA-C1A	4.65	108.80	106.68
14	A	835	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	Z	812	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	Z	816	CLA	O2D-CGD-CBD	4.65	119.36	111.23
17	Y	848	BCR	C37-C22-C21	-4.65	115.28	122.82
17	B	846	BCR	C24-C23-C22	-4.65	119.36	126.23
14	A	823	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
14	G	838	CLA	O2A-CGA-O1A	-4.65	112.00	123.63
14	A	828	CLA	C1D-ND-C4D	-4.65	103.05	106.31
14	A	831	CLA	C4A-NA-C1A	4.65	108.80	106.68
14	Z	838	CLA	O2D-CGD-O1D	-4.65	114.80	123.85
14	Z	804	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
17	A	845	BCR	C34-C9-C10	-4.65	115.29	122.82
14	H	838	CLA	O2A-C1-C2	4.65	125.99	108.11
14	H	820	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	Y	841	CLA	C2C-C1C-NC	4.65	114.86	109.98
14	A	813	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
14	Z	801	CLA	C2C-C1C-NC	4.65	114.86	109.98
14	Z	814	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
14	A	818	CLA	O2A-CGA-O1A	-4.64	112.01	123.63
14	Z	835	CLA	O2D-CGD-CBD	4.64	119.35	111.23
14	B	841	CLA	CAA-C2A-C3A	-4.64	100.45	113.00
14	Z	803	CLA	C1D-ND-C4D	-4.64	103.05	106.31
14	H	819	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
14	g	101	CLA	O2A-CGA-O1A	-4.64	111.39	123.33
14	A	803	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
14	Z	835	CLA	C2D-C1D-ND	4.64	114.72	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	841	CLA	C1C-C2C-C3C	-4.64	102.10	106.98
14	Y	839	CLA	O2A-CGA-CBA	4.64	125.98	111.83
14	H	810	CLA	O2A-CGA-O1A	-4.64	112.02	123.63
14	B	833	CLA	C1C-C2C-C3C	-4.64	102.10	106.98
14	Y	808	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
14	G	841	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
17	f	103	BCR	C34-C9-C10	-4.64	115.30	122.82
14	A	826	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
14	U	1006	CLA	C4A-NA-C1A	4.64	108.79	106.68
14	Z	831	CLA	C4A-NA-C1A	4.64	108.79	106.68
14	H	823	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
19	Z	847	LMG	O7-C10-C11	4.64	121.51	111.48
14	A	810	CLA	O2A-CGA-O1A	-4.64	111.41	123.33
14	Z	808	CLA	C1D-ND-C4D	-4.63	103.06	106.31
14	d	201	CLA	O2D-CGD-CBD	4.63	119.33	111.23
14	H	835	CLA	O2A-CGA-O1A	-4.63	112.04	123.63
14	B	825	CLA	C1-O2A-CGA	4.63	127.86	116.65
14	H	838	CLA	C3B-C2B-C1B	-4.63	101.71	107.17
17	G	850	BCR	C34-C9-C10	-4.63	115.31	122.82
14	Y	814	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
14	A	827	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	G	813	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	Z	817	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	G	819	CLA	O2A-C1-C2	4.63	125.92	108.11
14	Y	815	CLA	O2A-CGA-O1A	-4.63	112.05	123.63
17	G	850	BCR	C33-C5-C6	-4.63	119.44	124.48
14	Y	833	CLA	C3D-C2D-C1D	-4.63	99.52	105.83
17	B	844	BCR	C19-C18-C17	4.63	126.28	119.01
14	Y	832	CLA	C2D-C1D-ND	4.63	114.70	110.13
14	Z	821	CLA	C2D-C1D-ND	4.63	114.70	110.13
14	Z	835	CLA	C1C-C2C-C3C	-4.63	102.11	106.98
14	B	802	CLA	O2D-CGD-CBD	4.62	119.31	111.23
14	A	834	CLA	C1C-C2C-C3C	-4.62	102.12	106.98
14	H	805	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
17	B	848	BCR	C37-C22-C21	-4.62	115.33	122.82
14	A	839	CLA	C3B-C2B-C1B	-4.62	101.72	107.17
14	G	853	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	G	836	CLA	C3B-C2B-C1B	-4.62	101.72	107.17
14	g	102	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	h	207	CLA	O2D-CGD-CBD	4.62	119.30	111.23
14	T	101	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	T	101	CLA	O2A-CGA-O1A	-4.62	111.46	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	811	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	Z	826	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
17	B	848	BCR	C24-C23-C22	-4.61	119.41	126.23
14	G	835	CLA	C3B-C2B-C1B	-4.61	101.73	107.17
17	f	105	BCR	C36-C18-C17	-4.61	115.34	122.82
17	K	102	BCR	C23-C24-C25	-4.61	114.67	127.00
14	Z	839	CLA	C3B-C2B-C1B	-4.61	101.73	107.17
14	Z	816	CLA	C1D-ND-C4D	-4.61	103.08	106.31
14	B	836	CLA	O2A-CGA-O1A	-4.61	111.47	123.33
17	i	101	BCR	C19-C18-C17	4.61	126.26	119.01
14	Y	811	CLA	C1D-ND-C4D	-4.61	103.08	106.31
14	H	829	CLA	O2A-CGA-O1A	-4.61	111.48	123.33
14	H	812	CLA	O2A-CGA-CBA	4.61	125.88	111.83
14	Z	812	CLA	O2A-CGA-O1A	-4.61	112.11	123.63
17	Z	846	BCR	C34-C9-C8	4.61	125.12	118.09
14	h	201	CLA	O2A-CGA-O1A	-4.61	112.11	123.63
17	Y	851	BCR	C31-C1-C6	-4.60	103.02	110.24
14	A	809	CLA	O2D-CGD-CBD	4.60	119.28	111.23
14	Y	825	CLA	C1D-ND-C4D	-4.60	103.08	106.31
14	B	839	CLA	C2D-C1D-ND	4.60	114.68	110.13
17	B	851	BCR	C31-C1-C6	-4.60	103.03	110.24
14	B	824	CLA	C1D-ND-C4D	-4.60	103.08	106.31
14	Y	818	CLA	O2A-CGA-CBA	4.60	125.86	111.83
14	G	840	CLA	O2A-CGA-O1A	-4.60	112.12	123.63
14	G	840	CLA	C3B-C2B-C1B	-4.60	101.75	107.17
14	B	834	CLA	C4D-C3D-CAD	4.60	113.10	108.11
14	B	841	CLA	C1C-C2C-C3C	-4.60	102.14	106.98
14	G	802	CLA	C2B-C1B-NB	4.60	115.09	110.33
14	S	1103	CLA	O2A-CGA-CBA	4.60	125.85	111.83
14	U	1002	CLA	O2A-CGA-O1A	-4.60	112.13	123.63
14	A	818	CLA	O2A-CGA-CBA	4.60	125.85	111.83
14	G	831	CLA	O2D-CGD-CBD	4.60	119.26	111.23
14	L	201	CLA	O2A-CGA-O1A	-4.59	112.14	123.63
14	B	823	CLA	C3D-C2D-C1D	-4.59	99.56	105.83
14	H	805	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	K	103	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
14	A	819	CLA	C4A-NA-C1A	4.59	108.77	106.68
14	B	801	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	H	825	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	S	1101	CLA	C2D-C1D-ND	4.59	114.67	110.13
14	Z	829	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
14	H	832	CLA	C3D-C2D-C1D	-4.59	99.57	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	821	CLA	C4A-NA-C1A	4.59	108.77	106.68
14	A	825	CLA	O2D-CGD-CBD	4.59	119.25	111.23
14	B	831	CLA	O2A-CGA-O1A	-4.59	111.53	123.33
14	B	818	CLA	C1D-ND-C4D	-4.59	103.09	106.31
14	Y	802	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
14	H	821	CLA	C3D-C2D-C1D	-4.58	99.57	105.83
14	G	840	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	B	817	CLA	C1D-ND-C4D	-4.58	103.10	106.31
14	B	824	CLA	C1C-C2C-C3C	-4.58	102.16	106.98
14	G	842	CLA	O2A-CGA-O1A	-4.58	112.17	123.63
14	A	839	CLA	C2D-C1D-ND	4.58	114.66	110.13
17	I	101	BCR	C34-C9-C10	-4.58	115.40	122.82
14	Y	823	CLA	C3D-C2D-C1D	-4.58	99.59	105.83
17	R	102	BCR	C7-C8-C9	-4.58	119.47	126.23
14	G	804	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	H	838	CLA	O2A-CGA-CBA	4.58	125.79	111.83
17	A	846	BCR	C37-C22-C21	-4.58	115.40	122.82
14	A	820	CLA	C2D-C1D-ND	4.58	114.65	110.13
14	Y	829	CLA	C1D-ND-C4D	-4.57	103.10	106.31
14	B	817	CLA	C1C-C2C-C3C	-4.57	102.17	106.98
14	Y	823	CLA	O2A-CGA-O1A	-4.57	112.19	123.63
14	A	811	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	Z	809	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
14	Y	819	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	B	821	CLA	O2A-CGA-O1A	-4.57	111.58	123.33
14	j	102	CLA	O2A-CGA-O1A	-4.57	111.58	123.33
14	B	810	CLA	O2A-CGA-O1A	-4.57	112.20	123.63
17	B	845	BCR	C40-C30-C25	-4.57	103.08	110.24
14	B	810	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	B	836	CLA	C3B-C2B-C1B	-4.57	101.79	107.17
14	G	821	CLA	C2D-C1D-ND	4.56	114.64	110.13
14	A	825	CLA	O2A-CGA-O1A	-4.56	112.21	123.63
14	G	828	CLA	O2D-CGD-CBD	4.56	119.21	111.23
14	Y	805	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
14	H	812	CLA	C3B-C2B-C1B	-4.56	101.79	107.17
17	S	1104	BCR	C34-C9-C8	4.56	125.06	118.09
14	H	807	CLA	C3B-C2B-C1B	-4.56	101.80	107.17
14	B	824	CLA	C3B-C2B-C1B	-4.56	101.80	107.17
14	H	805	CLA	O2A-CGA-CBA	4.56	125.73	111.83
14	B	810	CLA	C1D-ND-C4D	-4.56	103.11	106.31
14	B	827	CLA	C1C-C2C-C3C	-4.56	102.19	106.98
14	A	832	CLA	C3B-C2B-C1B	-4.56	101.80	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	830	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
14	Z	808	CLA	O2A-CGA-O1A	-4.55	112.24	123.63
14	G	815	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
14	Y	818	CLA	C1C-C2C-C3C	-4.55	102.19	106.98
14	A	817	CLA	C2D-C1D-ND	4.55	114.63	110.13
14	G	841	CLA	O2D-CGD-CBD	4.55	119.18	111.23
14	U	1006	CLA	C1C-C2C-C3C	-4.55	102.20	106.98
14	A	810	CLA	C3B-C2B-C1B	-4.55	101.81	107.17
14	G	821	CLA	C2C-C1C-NC	4.55	114.76	109.98
14	Z	822	CLA	O2A-CGA-O1A	-4.55	112.26	123.63
14	Y	809	CLA	C3D-C2D-C1D	-4.55	99.63	105.83
14	Z	809	CLA	O2D-CGD-CBD	4.54	119.17	111.23
14	Y	827	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	G	807	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	h	207	CLA	C1-C2-C3	-4.54	118.76	126.20
14	G	821	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	G	820	CLA	C2D-C1D-ND	4.54	114.62	110.13
14	H	805	CLA	O2A-CGA-O1A	-4.54	112.27	123.63
14	H	825	CLA	O2A-CGA-O1A	-4.54	112.27	123.63
14	G	803	CLA	C2D-C1D-ND	4.54	114.61	110.13
14	G	818	CLA	C2C-C1C-NC	4.53	114.75	109.98
14	G	803	CLA	CMB-C2B-C1B	4.53	132.32	125.42
14	G	816	CLA	C3D-C2D-C1D	-4.53	99.64	105.83
14	G	814	CLA	C1C-C2C-C3C	-4.53	102.21	106.98
14	Z	823	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	Y	831	CLA	C1D-ND-C4D	-4.53	103.13	106.31
14	A	852	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	H	833	CLA	O2D-CGD-CBD	4.53	119.15	111.23
14	Y	831	CLA	O2A-CGA-O1A	-4.53	112.29	123.63
14	Z	835	CLA	C4A-NA-C1A	4.53	108.75	106.68
14	Z	833	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	Y	817	CLA	C2D-C1D-ND	4.53	114.61	110.13
14	G	824	CLA	O2A-CGA-CBA	4.53	125.65	111.83
14	Y	812	CLA	C3B-C2B-C1B	-4.53	101.83	107.17
17	A	849	BCR	C34-C9-C8	4.53	125.01	118.09
14	Y	805	CLA	C2C-C1C-NC	4.53	114.74	109.98
14	B	808	CLA	C6-C5-C3	-4.53	102.44	113.47
14	G	829	CLA	O2A-CGA-O1A	-4.53	112.31	123.63
14	T	101	CLA	C2D-C1D-ND	4.53	114.61	110.13
14	Z	823	CLA	C1D-ND-C4D	-4.53	103.14	106.31
14	G	824	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
17	G	854	BCR	C7-C8-C9	-4.53	119.54	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	821	CLA	C2C-C1C-NC	4.52	114.73	109.98
17	J	104	BCR	C34-C9-C10	-4.52	115.49	122.82
14	A	823	CLA	O2A-CGA-CBA	4.52	125.62	111.83
14	G	834	CLA	C1C-C2C-C3C	-4.52	102.22	106.98
14	A	820	CLA	O2A-CGA-CBA	4.52	125.62	111.83
14	Y	833	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
17	G	846	BCR	C29-C30-C25	-4.52	103.87	110.44
14	G	818	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	Z	819	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	S	1102	CLA	O2D-CGD-CBD	4.52	119.13	111.23
14	g	101	CLA	C2D-C1D-ND	4.52	114.60	110.13
14	Z	824	CLA	C4A-NA-C1A	4.52	108.74	106.68
14	Z	822	CLA	O2D-CGD-CBD	4.52	119.12	111.23
14	Z	813	CLA	O2A-CGA-O1A	-4.52	111.72	123.33
14	G	809	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	A	852	CLA	O2A-CGA-O1A	-4.51	112.34	123.63
14	G	817	CLA	C1D-ND-C4D	-4.51	103.15	106.31
17	Z	846	BCR	C27-C26-C25	-4.51	116.61	122.70
14	H	828	CLA	C1D-ND-C4D	-4.51	103.15	106.31
14	B	839	CLA	C3D-C2D-C1D	-4.51	99.68	105.83
14	Y	832	CLA	C3D-C2D-C1D	-4.51	99.68	105.83
14	B	829	CLA	C1D-ND-C4D	-4.51	103.15	106.31
17	H	842	BCR	C24-C23-C22	-4.51	119.57	126.23
14	B	838	CLA	C3B-C2B-C1B	-4.51	101.86	107.17
14	B	819	CLA	C1C-C2C-C3C	-4.51	102.24	106.98
17	F	201	BCR	C34-C9-C8	4.51	124.97	118.09
14	B	840	CLA	C4A-NA-C1A	4.50	108.73	106.68
14	B	805	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	Z	820	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	B	809	CLA	C2D-C1D-ND	4.50	114.58	110.13
14	X	1701	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	Y	854	CLA	C1D-ND-C4D	-4.50	103.15	106.31
14	Y	806	CLA	O2D-CGD-O1D	-4.50	115.09	123.85
14	A	824	CLA	C2C-C1C-NC	4.50	114.71	109.98
14	G	828	CLA	C4A-NA-C1A	4.50	108.73	106.68
14	A	837	CLA	C3B-C2B-C1B	-4.50	101.87	107.17
14	G	839	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	B	822	CLA	O2A-CGA-O1A	-4.50	112.38	123.63
14	B	818	CLA	C1C-C2C-C3C	-4.50	102.25	106.98
14	A	841	CLA	C2D-C1D-ND	4.49	114.57	110.13
14	Y	838	CLA	O2A-CGA-CBA	4.49	125.53	111.83
14	G	832	CLA	C2D-C1D-ND	4.49	114.57	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	809	CLA	O2D-CGD-CBD	4.49	119.08	111.23
14	Z	819	CLA	C3D-C2D-C1D	-4.49	99.70	105.83
14	L	201	CLA	O2A-CGA-CBA	4.49	125.53	111.83
14	J	101	CLA	O2A-CGA-O1A	-4.49	111.78	123.33
14	G	839	CLA	C2D-C1D-ND	4.49	114.57	110.13
14	G	819	CLA	O2D-CGD-O1D	-4.49	115.11	123.85
14	Y	803	CLA	O2A-CGA-CBA	4.49	125.53	111.83
14	L	205	CLA	C1D-ND-C4D	-4.49	103.16	106.31
14	A	833	CLA	C1D-ND-C4D	-4.49	103.16	106.31
14	L	207	CLA	C2B-C1B-NB	4.49	114.98	110.33
14	G	832	CLA	C3D-C2D-C1D	-4.48	99.71	105.83
14	H	808	CLA	C1-O2A-CGA	4.48	127.50	116.65
14	L	202	CLA	O2D-CGD-CBD	4.48	119.06	111.23
14	A	806	CLA	C2B-C1B-NB	4.48	114.97	110.33
14	B	825	CLA	C2C-C1C-NC	4.48	114.69	109.98
14	Y	804	CLA	O2A-CGA-O1A	-4.48	112.42	123.63
14	Y	828	CLA	O2A-CGA-O1A	-4.48	112.42	123.63
17	Q	202	BCR	C37-C22-C21	-4.48	115.56	122.82
14	Z	805	CLA	O2A-CGA-CBA	4.48	125.49	111.83
14	Y	819	CLA	C4A-NA-C1A	4.48	108.72	106.68
13	A	801	CL0	C3B-C2B-C1B	-4.48	101.89	107.17
17	Z	842	BCR	C34-C9-C8	4.48	124.93	118.09
14	B	836	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	Z	821	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	Y	810	CLA	O2A-CGA-O1A	-4.47	111.82	123.33
14	B	804	CLA	C2C-C1C-NC	4.47	114.68	109.98
14	Z	819	CLA	O2A-CGA-O1A	-4.47	111.83	123.33
14	B	811	CLA	C1D-ND-C4D	-4.47	103.17	106.31
17	e	101	BCR	C19-C18-C17	4.47	126.04	119.01
14	A	809	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
14	Y	814	CLA	C1C-C2C-C3C	-4.47	102.28	106.98
14	G	829	CLA	C1C-C2C-C3C	-4.47	102.28	106.98
17	Y	850	BCR	C36-C18-C17	-4.47	115.58	122.82
14	d	202	CLA	O2D-CGD-CBD	4.46	119.03	111.23
17	L	203	BCR	C34-C9-C8	4.46	124.91	118.09
14	h	206	CLA	C4D-C3D-CAD	4.46	112.95	108.11
14	A	826	CLA	O2D-CGD-CBD	4.46	119.03	111.23
14	B	805	CLA	C1C-C2C-C3C	-4.46	102.29	106.98
14	B	837	CLA	O2A-CGA-CBA	4.46	125.44	111.83
18	G	852	LHG	O7-C7-C8	4.46	121.13	111.48
14	Y	834	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	Y	824	CLA	O2A-CGA-CBA	4.46	125.44	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	C2B-C1B-NB	4.46	114.95	110.33
14	B	840	CLA	CAC-C3C-C4C	4.46	130.59	124.79
14	f	101	CLA	C1C-C2C-C3C	-4.46	102.29	106.98
14	G	804	CLA	O2A-CGA-CBA	4.46	125.43	111.83
14	G	812	CLA	C2D-C1D-ND	4.46	114.54	110.13
14	U	1002	CLA	O2D-CGD-CBD	4.46	119.03	111.23
14	Y	823	CLA	C2D-C1D-ND	4.46	114.54	110.13
14	Z	827	CLA	O2A-CGA-CBA	4.46	125.43	111.83
14	A	828	CLA	C4A-NA-C1A	4.46	108.71	106.68
14	H	807	CLA	O1D-CGD-CBD	-4.46	115.73	124.52
14	G	840	CLA	C2C-C1C-NC	4.45	114.66	109.98
14	G	833	CLA	O2A-CGA-CBA	4.45	125.41	111.83
17	B	851	BCR	C34-C9-C10	-4.45	115.60	122.82
14	H	813	CLA	O2A-CGA-O1A	-4.45	112.49	123.63
14	Y	806	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	Y	816	CLA	O2A-CGA-CBA	4.45	125.41	111.83
14	H	837	CLA	C2D-C1D-ND	4.45	114.53	110.13
14	B	812	CLA	O2D-CGD-CBD	4.45	119.01	111.23
14	H	830	CLA	O2A-CGA-O1A	-4.45	112.50	123.63
14	B	802	CLA	C2D-C1D-ND	4.45	114.53	110.13
14	H	801	CLA	C1-C2-C3	-4.45	118.91	126.20
14	A	804	CLA	O2A-CGA-O1A	-4.45	112.51	123.63
14	Z	824	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	L	201	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
14	Y	819	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
17	Y	856	BCR	C24-C23-C22	-4.44	119.66	126.23
14	G	840	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
14	A	821	CLA	O2A-CGA-O1A	-4.44	112.52	123.63
17	J	104	BCR	C15-C14-C13	-4.44	121.05	127.28
14	B	801	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
14	d	202	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	B	802	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
17	Y	847	BCR	C38-C26-C25	-4.44	119.64	124.48
14	B	812	CLA	C3D-C2D-C1D	-4.44	99.77	105.83
14	A	803	CLA	CMC-C2C-C1C	4.44	131.97	125.03
14	A	807	CLA	O2D-CGD-CBD	4.44	118.99	111.23
14	h	207	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
14	G	828	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
14	G	837	CLA	CMA-C3A-C4A	4.44	123.69	111.77
14	G	829	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	B	827	CLA	C4A-NA-C1A	4.43	108.70	106.68
17	B	851	BCR	C23-C22-C21	4.43	125.98	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	V	1201	CLA	C2C-C1C-NC	4.43	114.64	109.98
17	H	840	BCR	C34-C9-C8	4.43	124.86	118.09
14	G	822	CLA	O2A-CGA-CBA	4.43	125.34	111.83
14	G	820	CLA	O2A-CGA-CBA	4.43	125.34	111.83
17	G	846	BCR	C19-C18-C17	4.43	125.98	119.01
14	H	812	CLA	CAC-C3C-C4C	4.43	130.55	124.79
14	Y	843	CLA	O2A-CGA-CBA	4.43	125.34	111.83
14	A	805	CLA	C2D-C1D-ND	4.43	114.51	110.13
14	Y	834	CLA	C2C-C1C-NC	4.43	114.63	109.98
14	Z	806	CLA	C1C-C2C-C3C	-4.43	102.33	106.98
14	Y	826	CLA	C4A-NA-C1A	4.43	108.70	106.68
14	G	817	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	Y	809	CLA	O2A-CGA-O1A	-4.42	112.56	123.63
14	B	807	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
14	A	829	CLA	O2D-CGD-CBD	4.42	118.96	111.23
14	Z	812	CLA	C2C-C1C-NC	4.42	114.62	109.98
17	h	202	BCR	C34-C9-C10	-4.42	115.66	122.82
14	L	206	CLA	O2A-CGA-CBA	4.42	125.31	111.83
14	Y	820	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	G	815	CLA	C2D-C1D-ND	4.42	114.50	110.13
17	G	847	BCR	C34-C9-C8	4.42	124.84	118.09
14	B	807	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	Y	855	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	Z	833	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
14	B	827	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	A	806	CLA	C4A-NA-C1A	4.41	108.69	106.68
17	h	202	BCR	C30-C25-C26	-4.41	116.61	122.64
17	e	101	BCR	C34-C9-C8	4.41	124.83	118.09
17	d	203	BCR	C36-C18-C17	-4.41	115.67	122.82
14	Z	827	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	f	102	CLA	O2A-CGA-CBA	4.41	125.28	111.83
14	Y	811	CLA	O2A-CGA-O1A	-4.41	112.60	123.63
14	H	823	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	B	826	CLA	C1C-C2C-C3C	-4.41	102.34	106.98
14	A	812	CLA	O2A-CGA-O1A	-4.41	112.60	123.63
14	Z	838	CLA	C3B-C2B-C1B	-4.41	101.97	107.17
17	i	101	BCR	C1-C6-C7	4.41	127.60	115.65
14	B	835	CLA	C1C-C2C-C3C	-4.41	102.35	106.98
14	A	826	CLA	C4A-NA-C1A	4.40	108.69	106.68
17	A	846	BCR	C23-C24-C25	-4.40	115.24	127.00
14	Z	815	CLA	C4A-NA-C1A	4.40	108.69	106.68
14	A	817	CLA	O2A-CGA-O1A	-4.40	112.62	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	835	CLA	C2D-C1D-ND	4.40	114.48	110.13
14	G	843	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
14	W	1701	CLA	C3B-C2B-C1B	-4.40	101.99	107.17
14	A	813	CLA	O2A-CGA-O1A	-4.40	112.63	123.63
14	B	830	CLA	O2A-CGA-CBA	4.40	127.89	114.00
14	Y	835	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
14	L	202	CLA	CMB-C2B-C1B	4.39	132.11	125.42
14	B	834	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	H	807	CLA	O2A-CGA-CBA	4.39	125.23	111.83
14	G	835	CLA	O2A-CGA-O1A	-4.39	112.03	123.33
14	A	805	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
13	A	801	CL0	C3D-C2D-C1D	-4.39	99.84	105.83
14	G	819	CLA	O2A-CGA-O1A	-4.39	112.64	123.63
17	A	848	BCR	C34-C9-C8	4.39	124.80	118.09
14	H	801	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	G	817	CLA	O2A-CGA-O1A	-4.39	112.65	123.63
17	Y	846	BCR	C36-C18-C17	-4.39	115.71	122.82
14	B	809	CLA	O2A-CGA-CBA	4.39	125.21	111.83
14	Z	832	CLA	C2B-C1B-NB	4.39	114.88	110.33
14	H	805	CLA	O2D-CGD-CBD	4.39	118.90	111.23
17	F	203	BCR	C34-C9-C10	-4.39	115.71	122.82
14	Z	825	CLA	C2C-C1C-NC	4.39	114.59	109.98
14	B	823	CLA	C2D-C1D-ND	4.39	114.47	110.13
14	B	819	CLA	O2A-CGA-CBA	4.38	125.20	111.83
14	Y	806	CLA	O2A-CGA-CBA	4.38	125.20	111.83
17	A	848	BCR	C24-C23-C22	-4.38	119.75	126.23
14	f	101	CLA	C4A-NA-C1A	4.38	108.68	106.68
14	Y	806	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	G	819	CLA	C1D-ND-C4D	-4.38	103.24	106.31
14	Z	834	CLA	O2A-CGA-O1A	-4.38	112.06	123.33
14	Z	816	CLA	O2A-CGA-CBA	4.38	125.20	111.83
14	B	830	CLA	C3B-C2B-C1B	-4.38	102.00	107.17
14	A	837	CLA	C2C-C1C-NC	4.38	114.58	109.98
14	Y	820	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	U	1003	CLA	C3D-C2D-C1D	-4.38	99.85	105.83
14	Z	829	CLA	OBD-CAD-C3D	-4.38	118.18	128.42
13	Y	801	CL0	O2D-CGD-O1D	-4.38	115.33	123.85
14	B	809	CLA	C3B-C2B-C1B	-4.38	102.01	107.17
14	A	831	CLA	C1C-C2C-C3C	-4.37	102.38	106.98
14	H	831	CLA	C3D-C2D-C1D	-4.37	99.86	105.83
17	B	843	BCR	C36-C18-C17	-4.37	115.73	122.82
17	V	1202	BCR	C36-C18-C17	-4.37	115.73	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	831	CLA	C1C-C2C-C3C	-4.37	102.38	106.98
14	U	1004	CLA	O2A-CGA-CBA	4.37	125.16	111.83
14	B	809	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
14	G	829	CLA	C2D-C1D-ND	4.37	114.45	110.13
14	A	822	CLA	O2A-CGA-CBA	4.37	125.15	111.83
14	Y	820	CLA	O2A-CGA-CBA	4.36	125.14	111.83
14	K	101	CLA	C4A-NA-C1A	4.36	108.67	106.68
14	H	822	CLA	O2D-CGD-CBD	4.36	118.86	111.23
17	i	101	BCR	C23-C22-C21	4.36	125.87	119.01
17	B	851	BCR	C34-C9-C8	4.36	124.75	118.09
14	S	1102	CLA	O2A-CGA-O1A	-4.36	112.12	123.33
14	B	813	CLA	O2D-CGD-CBD	4.36	118.85	111.23
14	H	823	CLA	O2A-CGA-CBA	4.36	125.13	111.83
14	H	805	CLA	C2D-C1D-ND	4.36	114.44	110.13
13	Y	801	CL0	C3B-C2B-C1B	-4.36	102.03	107.17
17	M	101	BCR	C34-C9-C8	4.36	124.74	118.09
14	A	802	CLA	C2D-C1D-ND	4.35	114.44	110.13
17	H	845	BCR	C37-C22-C21	-4.35	115.76	122.82
14	H	808	CLA	O2A-CGA-O1A	-4.35	112.74	123.63
17	G	850	BCR	C8-C7-C6	-4.35	115.37	127.00
14	G	825	CLA	O2A-CGA-CBA	4.35	125.10	111.83
14	Y	821	CLA	C1C-C2C-C3C	-4.35	102.40	106.98
14	G	809	CLA	O2A-CGA-CBA	4.35	125.10	111.83
14	H	807	CLA	C1D-ND-C4D	-4.35	103.26	106.31
17	K	102	BCR	C34-C9-C10	-4.35	115.77	122.82
14	H	831	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	A	829	CLA	C3D-C2D-C1D	-4.35	99.90	105.83
14	B	811	CLA	C3D-C2D-C1D	-4.35	99.90	105.83
14	Z	805	CLA	C2B-C1B-NB	4.35	114.83	110.33
14	H	802	CLA	C2D-C1D-ND	4.34	114.42	110.13
14	Z	821	CLA	O2A-CGA-O1A	-4.34	112.77	123.63
14	Z	804	CLA	CAC-C3C-C4C	4.34	130.44	124.79
17	A	849	BCR	C31-C1-C6	-4.34	103.44	110.24
14	Y	828	CLA	C2B-C1B-NB	4.34	114.83	110.33
14	Y	814	CLA	O2A-C1-C2	4.34	124.81	108.11
14	H	828	CLA	O2A-CGA-CBA	4.34	125.07	111.83
14	H	827	CLA	O2A-CGA-O1A	-4.34	112.77	123.63
14	B	840	CLA	O2D-CGD-CBD	4.34	118.81	111.23
17	B	844	BCR	C34-C9-C8	4.34	124.71	118.09
17	R	102	BCR	C34-C9-C8	4.33	124.71	118.09
14	Z	814	CLA	C1C-C2C-C3C	-4.33	102.42	106.98
14	Z	838	CLA	C2C-C1C-NC	4.33	114.53	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	813	CLA	C1C-C2C-C3C	-4.33	102.42	106.98
14	W	1701	CLA	O2D-CGD-CBD	4.33	118.80	111.23
14	H	804	CLA	O2A-CGA-CBA	4.33	125.03	111.83
14	A	812	CLA	C3B-C2B-C1B	-4.33	102.07	107.17
14	B	808	CLA	C2D-C1D-ND	4.33	114.41	110.13
14	A	813	CLA	C1D-ND-C4D	-4.33	103.28	106.31
14	Z	832	CLA	C4A-NA-C1A	4.32	108.65	106.68
14	A	824	CLA	O2A-CGA-CBA	4.32	125.02	111.83
14	H	802	CLA	O2A-CGA-O1A	-4.32	112.82	123.63
17	H	845	BCR	C37-C22-C23	4.32	124.69	118.09
14	G	834	CLA	O2A-CGA-O1A	-4.32	112.82	123.63
14	B	804	CLA	O2A-CGA-CBA	4.32	125.01	111.83
14	Z	817	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
14	H	801	CLA	O2A-CGA-CBA	4.32	125.00	111.83
14	U	1002	CLA	O2D-CGD-O1D	-4.32	115.45	123.85
14	H	811	CLA	C4A-NA-C1A	4.32	108.65	106.68
17	R	102	BCR	C15-C14-C13	-4.32	121.23	127.28
14	Z	817	CLA	O2A-CGA-O1A	-4.31	112.84	123.63
14	Y	833	CLA	C2D-C1D-ND	4.31	114.39	110.13
14	A	805	CLA	O2D-CGD-CBD	4.31	118.77	111.23
14	G	838	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
14	G	823	CLA	O2A-CGA-O1A	-4.31	112.85	123.63
17	Y	848	BCR	C1-C6-C7	4.31	127.34	115.65
14	Z	816	CLA	O2A-CGA-O1A	-4.31	112.85	123.63
14	B	810	CLA	CMC-C2C-C1C	4.31	131.77	125.03
14	h	207	CLA	C2C-C1C-NC	4.31	114.51	109.98
14	Y	811	CLA	C2D-C1D-ND	4.31	114.39	110.13
14	Y	835	CLA	C2D-C1D-ND	4.31	114.39	110.13
14	A	811	CLA	C3B-C2B-C1B	-4.31	102.09	107.17
14	h	205	CLA	C1D-ND-C4D	-4.31	103.29	106.31
14	Y	811	CLA	O2D-CGD-CBD	4.31	118.76	111.23
14	G	834	CLA	C2C-C1C-NC	4.31	114.50	109.98
14	H	803	CLA	C2D-C1D-ND	4.31	114.39	110.13
17	Q	204	BCR	C36-C18-C17	-4.31	115.84	122.82
14	B	818	CLA	O2D-CGD-CBD	4.31	118.76	111.23
14	Y	855	CLA	O2A-CGA-O1A	-4.30	112.87	123.63
14	A	813	CLA	C2D-C1D-ND	4.30	114.38	110.13
14	h	206	CLA	O2A-CGA-CBA	4.30	124.94	111.83
14	Y	805	CLA	C3D-C4D-ND	4.30	116.97	109.99
14	H	809	CLA	O2A-CGA-CBA	4.29	124.93	111.83
14	G	814	CLA	C2B-C1B-NB	4.29	114.78	110.33
17	Q	204	BCR	C34-C9-C10	-4.29	115.86	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	L	203	BCR	C33-C5-C6	-4.29	119.80	124.48
14	A	840	CLA	O2D-CGD-CBD	4.29	118.73	111.23
14	G	813	CLA	C1C-C2C-C3C	-4.29	102.47	106.98
17	h	202	BCR	C38-C26-C25	4.29	129.17	124.48
17	Z	842	BCR	C8-C7-C6	-4.29	115.54	127.00
14	Y	825	CLA	O2A-CGA-O1A	-4.29	112.90	123.63
14	B	817	CLA	O2A-CGA-CBA	4.29	124.91	111.83
17	d	203	BCR	C34-C9-C10	-4.29	115.87	122.82
14	H	803	CLA	CHB-C4A-NA	4.29	130.59	124.40
14	Y	813	CLA	C4A-NA-C1A	4.29	108.63	106.68
17	H	840	BCR	C24-C23-C22	-4.28	119.90	126.23
14	Y	829	CLA	O2A-C1-C2	4.28	124.59	108.11
14	A	816	CLA	O2A-CGA-CBA	4.28	124.89	111.83
14	Z	820	CLA	O2A-CGA-CBA	4.28	124.89	111.83
17	H	840	BCR	C36-C18-C17	-4.28	115.88	122.82
14	J	102	CLA	C1D-ND-C4D	-4.28	103.31	106.31
14	B	833	CLA	O2A-CGA-CBA	4.28	124.88	111.83
17	H	842	BCR	C34-C9-C8	4.28	124.62	118.09
14	Y	811	CLA	C4A-NA-C1A	4.28	108.63	106.68
14	Y	827	CLA	O2A-CGA-O1A	-4.28	112.93	123.63
17	d	203	BCR	C37-C22-C21	-4.27	115.89	122.82
14	H	807	CLA	CMA-C3A-C4A	4.27	123.26	111.77
17	F	201	BCR	C31-C1-C6	-4.27	103.54	110.24
14	Y	825	CLA	C3D-C2D-C1D	-4.27	100.00	105.83
14	A	829	CLA	C3B-C2B-C1B	-4.27	102.14	107.17
14	A	829	CLA	C1D-ND-C4D	-4.27	103.32	106.31
14	B	814	CLA	C2D-C1D-ND	4.27	114.35	110.13
14	G	836	CLA	C2D-C1D-ND	4.26	114.35	110.13
14	A	809	CLA	C2D-C1D-ND	4.26	114.34	110.13
17	R	102	BCR	C37-C22-C23	4.26	124.60	118.09
14	Z	826	CLA	O2A-CGA-O1A	-4.26	112.97	123.63
17	G	850	BCR	C34-C9-C8	4.26	124.60	118.09
17	Y	851	BCR	C1-C6-C7	4.26	127.20	115.65
14	Z	804	CLA	O2D-CGD-CBD	4.26	118.68	111.23
14	A	809	CLA	C3B-C2B-C1B	-4.26	102.15	107.17
14	Y	817	CLA	C1D-ND-C4D	-4.26	103.32	106.31
14	G	839	CLA	O2A-CGA-CBA	4.26	124.82	111.83
14	Z	805	CLA	C1D-ND-C4D	-4.26	103.33	106.31
14	G	819	CLA	C2D-C1D-ND	4.26	114.34	110.13
14	Y	829	CLA	C3D-C2D-C1D	-4.26	100.02	105.83
14	G	802	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
14	H	824	CLA	C2B-C1B-NB	4.25	114.74	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	831	CLA	O2A-CGA-CBA	4.25	124.81	111.83
14	A	812	CLA	O2A-CGA-CBA	4.25	124.81	111.83
14	G	841	CLA	O2A-CGA-CBA	4.25	124.80	111.83
17	R	101	BCR	C34-C9-C10	-4.25	115.93	122.82
14	Z	812	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
17	Q	202	BCR	C36-C18-C17	-4.25	115.93	122.82
14	Z	831	CLA	C3D-C2D-C1D	-4.25	100.03	105.83
14	G	828	CLA	C3B-C2B-C1B	-4.25	102.16	107.17
14	A	829	CLA	C2D-C1D-ND	4.25	114.33	110.13
17	f	103	BCR	C38-C26-C25	4.25	129.12	124.48
14	Y	833	CLA	O1D-CGD-CBD	-4.25	116.14	124.52
14	h	205	CLA	C1-O2A-CGA	4.25	126.93	116.65
18	A	851	LHG	O7-C7-C8	4.25	120.67	111.48
14	Z	825	CLA	O2A-CGA-CBA	4.25	124.78	111.83
14	Z	809	CLA	O2A-CGA-O1A	-4.25	113.01	123.63
14	V	1201	CLA	O2A-CGA-O1A	-4.24	113.01	123.63
14	H	819	CLA	O2A-CGA-O1A	-4.24	112.42	123.33
14	G	811	CLA	O2A-CGA-CBA	4.24	124.78	111.83
14	A	814	CLA	C3B-C2B-C1B	-4.24	102.17	107.17
17	G	850	BCR	C24-C23-C22	-4.24	119.96	126.23
14	A	813	CLA	O2A-CGA-CBA	4.24	124.77	111.83
17	Y	856	BCR	C36-C18-C17	-4.24	115.95	122.82
14	G	830	CLA	C1-O2A-CGA	4.24	126.91	116.65
14	A	824	CLA	C4A-NA-C1A	4.24	108.61	106.68
14	B	840	CLA	C1D-ND-C4D	-4.24	103.34	106.31
14	H	828	CLA	C3D-C2D-C1D	-4.24	100.05	105.83
14	A	828	CLA	O2A-CGA-CBA	4.24	124.76	111.83
14	B	810	CLA	C1-O2A-CGA	4.24	126.91	116.65
14	H	812	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	A	802	CLA	C4A-NA-C1A	4.23	108.61	106.68
14	Y	803	CLA	C2D-C1D-ND	4.23	114.31	110.13
14	Z	815	CLA	C2B-C1B-NB	4.23	114.71	110.33
14	G	818	CLA	C1C-C2C-C3C	-4.23	102.53	106.98
14	U	1003	CLA	C3B-C2B-C1B	-4.23	102.19	107.17
14	G	841	CLA	O2A-CGA-O1A	-4.23	113.06	123.63
14	Y	807	CLA	O2D-CGD-CBD	4.22	118.61	111.23
14	Z	820	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	Y	827	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	Z	811	CLA	O2A-CGA-CBA	4.22	124.70	111.83
14	L	201	CLA	C2C-C1C-NC	4.22	114.41	109.98
14	Z	804	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	Y	824	CLA	C1C-C2C-C3C	-4.22	102.54	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	C3B-C2B-C1B	-4.22	102.20	107.17
17	h	202	BCR	C23-C24-C25	-4.22	115.74	127.00
14	A	840	CLA	C1-O2A-CGA	4.21	126.85	116.65
14	Z	821	CLA	CMA-C3A-C4A	4.21	123.10	111.77
14	H	837	CLA	CMA-C3A-C4A	4.21	123.09	111.77
17	U	1007	BCR	C23-C24-C25	-4.21	115.75	127.00
17	Y	856	BCR	C37-C22-C21	-4.21	115.99	122.82
14	B	834	CLA	C2D-C1D-ND	4.21	114.29	110.13
14	A	819	CLA	C3B-C2B-C1B	-4.21	102.21	107.17
14	Z	834	CLA	OBD-CAD-C3D	-4.21	118.58	128.42
14	B	808	CLA	C1D-ND-C4D	-4.21	103.36	106.31
14	B	831	CLA	C1D-ND-C4D	-4.21	103.36	106.31
14	A	834	CLA	O2D-CGD-CBD	4.20	118.58	111.23
14	Y	823	CLA	C4A-NA-C1A	4.20	108.60	106.68
14	U	1003	CLA	C1D-ND-C4D	-4.20	103.36	106.31
14	A	814	CLA	CAA-C2A-C3A	-4.20	101.65	113.00
14	K	101	CLA	CAC-C3C-C4C	4.20	130.25	124.79
14	A	826	CLA	CMA-C3A-C4A	4.20	123.06	111.77
14	A	837	CLA	O2A-CGA-O1A	-4.20	113.13	123.63
14	A	815	CLA	O2A-CGA-CBA	4.20	124.63	111.83
14	B	824	CLA	O2A-CGA-CBA	4.20	124.63	111.83
14	Z	833	CLA	O2D-CGD-CBD	4.20	118.57	111.23
13	G	801	CL0	C2D-C1D-ND	4.20	114.28	110.13
17	L	203	BCR	C40-C30-C25	-4.19	103.67	110.24
14	G	803	CLA	C1D-ND-C4D	-4.19	103.37	106.31
14	A	852	CLA	O2A-C1-C2	4.19	124.25	108.11
14	A	811	CLA	C4A-NA-C1A	4.19	108.59	106.68
14	Y	816	CLA	C4A-NA-C1A	4.19	108.59	106.68
14	A	833	CLA	O2A-CGA-CBA	4.19	124.62	111.83
14	B	822	CLA	C3D-C2D-C1D	-4.19	100.11	105.83
14	U	1002	CLA	O2A-C1-C2	4.18	124.21	108.11
14	Z	821	CLA	C1C-C2C-C3C	-4.18	102.58	106.98
14	B	824	CLA	CMA-C3A-C4A	4.18	123.00	111.77
14	d	201	CLA	O2A-CGA-O1A	-4.18	113.18	123.63
14	G	839	CLA	C4D-C3D-CAD	4.18	112.64	108.11
14	Z	823	CLA	C2B-C1B-NB	4.17	114.66	110.33
14	B	822	CLA	C2D-C1D-ND	4.17	114.26	110.13
17	G	854	BCR	C31-C1-C6	-4.17	103.70	110.24
14	S	1102	CLA	C2D-C1D-ND	4.17	114.25	110.13
17	A	849	BCR	C37-C22-C23	4.17	124.46	118.09
14	H	813	CLA	O2D-CGD-CBD	4.17	118.52	111.23
14	B	812	CLA	C2D-C1D-ND	4.17	114.25	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	830	CLA	C3B-C2B-C1B	-4.17	102.25	107.17
14	B	811	CLA	C2D-C1D-ND	4.17	114.25	110.13
14	H	824	CLA	CMC-C2C-C1C	4.17	131.55	125.03
14	Y	813	CLA	O2D-CGD-CBD	4.17	118.52	111.23
14	A	805	CLA	O2A-CGA-CBA	4.17	124.54	111.83
14	G	811	CLA	O2D-CGD-CBD	4.17	118.51	111.23
14	G	815	CLA	C2B-C1B-NB	4.17	114.65	110.33
14	Z	807	CLA	O2A-CGA-CBA	4.16	124.53	111.83
14	G	803	CLA	O2D-CGD-CBD	4.16	118.51	111.23
14	L	205	CLA	O2A-CGA-CBA	4.16	124.53	111.83
14	B	827	CLA	C1D-ND-C4D	-4.16	103.39	106.31
17	G	846	BCR	C30-C25-C26	-4.16	116.95	122.64
14	A	808	CLA	O2A-CGA-CBA	4.16	124.52	111.83
17	H	848	BCR	C38-C26-C25	-4.16	119.94	124.48
14	B	835	CLA	C3B-C2B-C1B	-4.16	102.27	107.17
17	e	101	BCR	C39-C30-C25	-4.16	103.72	110.24
14	B	814	CLA	C3D-C2D-C1D	-4.16	100.16	105.83
14	G	832	CLA	O2A-CGA-CBA	4.16	124.52	111.83
17	f	103	BCR	C27-C26-C25	-4.16	117.09	122.70
14	H	803	CLA	C1C-C2C-C3C	-4.16	102.61	106.98
14	h	205	CLA	O2D-CGD-CBD	4.16	118.50	111.23
14	Y	828	CLA	C4A-NA-C1A	4.16	108.58	106.68
17	d	203	BCR	C28-C27-C26	-4.16	106.65	114.06
14	Z	802	CLA	C2B-C1B-NB	4.16	114.64	110.33
14	G	812	CLA	O2D-CGD-CBD	4.15	118.49	111.23
14	Z	824	CLA	O2A-CGA-O1A	-4.15	113.24	123.63
14	L	207	CLA	O2A-CGA-O1A	-4.15	113.24	123.63
17	Y	849	BCR	C34-C9-C10	-4.15	116.09	122.82
14	B	840	CLA	C1C-C2C-C3C	-4.15	102.61	106.98
14	V	1201	CLA	C1C-C2C-C3C	-4.15	102.61	106.98
17	S	1104	BCR	C24-C23-C22	-4.15	120.10	126.23
14	G	815	CLA	C4D-C3D-CAD	4.15	112.61	108.11
14	G	826	CLA	O2A-CGA-CBA	4.15	124.48	111.83
14	H	813	CLA	O2A-CGA-CBA	4.15	124.48	111.83
14	Y	823	CLA	O2A-CGA-CBA	4.15	124.48	111.83
14	U	1006	CLA	O2A-CGA-CBA	4.15	124.48	111.83
17	A	845	BCR	C30-C25-C26	-4.15	116.97	122.64
17	J	103	BCR	C3-C4-C5	-4.15	106.66	114.06
14	J	102	CLA	C2D-C1D-ND	4.14	114.23	110.13
14	A	802	CLA	C1D-ND-C4D	-4.14	103.41	106.31
14	H	833	CLA	C4A-NA-C1A	4.14	108.57	106.68
14	G	827	CLA	C4A-NA-C1A	4.14	108.57	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	f	105	BCR	C34-C9-C8	4.14	124.41	118.09
14	Q	203	CLA	OBD-CAD-C3D	-4.14	118.74	128.42
14	G	853	CLA	C2D-C1D-ND	4.14	114.22	110.13
14	Y	825	CLA	C1-O2A-CGA	4.14	126.67	116.65
17	h	202	BCR	C31-C1-C6	-4.14	103.75	110.24
14	A	828	CLA	OBD-CAD-C3D	-4.14	118.75	128.42
14	Z	802	CLA	O2A-CGA-O1A	-4.14	113.28	123.63
14	G	803	CLA	C4A-NA-C1A	4.14	108.57	106.68
14	B	833	CLA	CAA-C2A-C1A	-4.14	98.42	111.97
14	A	803	CLA	C4D-C3D-CAD	4.14	112.60	108.11
14	Z	837	CLA	CMC-C2C-C1C	4.13	131.49	125.03
14	H	812	CLA	C2D-C1D-ND	4.13	114.22	110.13
14	H	828	CLA	C2D-C1D-ND	4.13	114.22	110.13
14	A	827	CLA	O2A-CGA-O1A	-4.13	113.29	123.63
17	Q	202	BCR	C33-C5-C6	-4.13	119.97	124.48
14	H	838	CLA	C1C-C2C-C3C	-4.13	102.63	106.98
17	Y	851	BCR	C34-C9-C8	4.13	124.40	118.09
17	R	102	BCR	C37-C22-C21	-4.13	116.12	122.82
17	A	845	BCR	C24-C23-C22	-4.13	120.12	126.23
14	h	201	CLA	C1D-ND-C4D	-4.13	103.42	106.31
14	B	814	CLA	C2B-C1B-NB	4.13	114.61	110.33
14	Y	825	CLA	C2D-C1D-ND	4.13	114.21	110.13
14	B	822	CLA	O2A-CGA-CBA	4.13	124.42	111.83
17	Y	850	BCR	C8-C7-C6	-4.13	115.98	127.00
14	G	807	CLA	O2A-CGA-CBA	4.12	124.41	111.83
14	Z	823	CLA	O2A-CGA-CBA	4.12	124.41	111.83
14	U	1004	CLA	C1-C2-C3	-4.12	119.44	126.20
14	B	803	CLA	O2A-CGA-CBA	4.12	124.40	111.83
14	h	201	CLA	C2D-C1D-ND	4.12	114.20	110.13
14	H	806	CLA	C1C-C2C-C3C	-4.12	102.65	106.98
14	Y	809	CLA	C2D-C1D-ND	4.12	114.20	110.13
14	Z	815	CLA	O2A-CGA-CBA	4.12	124.39	111.83
14	G	832	CLA	O2D-CGD-CBD	4.12	118.43	111.23
14	G	806	CLA	C2B-C1B-NB	4.12	114.60	110.33
14	B	831	CLA	C2D-C1D-ND	4.12	114.20	110.13
14	Y	818	CLA	C2D-C1D-ND	4.11	114.20	110.13
17	H	848	BCR	C3-C4-C5	-4.11	106.73	114.06
17	i	101	BCR	C24-C23-C22	-4.11	120.16	126.23
14	H	803	CLA	C3D-C2D-C1D	-4.11	100.22	105.83
14	S	1102	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	B	801	CLA	C2D-C1D-ND	4.11	114.19	110.13
14	U	1002	CLA	O2A-CGA-CBA	4.11	124.36	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	807	CLA	O2A-C1-C2	4.11	123.91	108.11
17	L	209	BCR	C36-C18-C17	-4.10	116.17	122.82
14	Z	836	CLA	O2D-CGD-CBD	4.10	118.40	111.23
13	Y	801	CL0	O2A-CGA-O1A	-4.10	113.36	123.63
14	A	804	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	K	101	CLA	C3D-C2D-C1D	-4.10	100.23	105.83
14	B	807	CLA	O2A-CGA-CBA	4.10	124.34	111.83
13	A	801	CL0	C2D-C1D-ND	4.10	114.19	110.13
17	G	846	BCR	C34-C9-C10	-4.10	116.17	122.82
14	A	825	CLA	O2A-CGA-CBA	4.10	124.34	111.83
17	e	101	BCR	C37-C22-C23	4.10	124.35	118.09
14	Y	842	CLA	CHD-C1D-ND	-4.10	119.03	124.80
17	U	1007	BCR	C24-C23-C22	-4.10	120.17	126.23
14	A	811	CLA	O2A-CGA-O1A	-4.10	113.38	123.63
14	B	825	CLA	C2B-C1B-NB	4.10	114.58	110.33
14	Z	810	CLA	O2A-CGA-CBA	4.10	126.94	114.00
14	L	206	CLA	C2D-C1D-ND	4.10	114.18	110.13
14	G	803	CLA	OBD-CAD-C3D	-4.09	118.84	128.42
17	M	101	BCR	C36-C18-C17	-4.09	116.18	122.82
14	A	835	CLA	C4A-NA-C1A	4.09	108.55	106.68
14	Y	833	CLA	C1-O2A-CGA	4.09	126.56	116.65
14	A	824	CLA	C1C-C2C-C3C	-4.09	102.67	106.98
17	B	847	BCR	C34-C9-C10	-4.09	116.19	122.82
14	Y	811	CLA	O2A-CGA-CBA	4.09	124.31	111.83
14	B	839	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
14	B	806	CLA	C4D-C3D-CAD	4.09	112.55	108.11
14	Y	840	CLA	O2D-CGD-O1D	-4.09	115.89	123.85
14	H	824	CLA	O2D-CGD-O1D	-4.09	115.89	123.85
14	Y	832	CLA	O2A-C1-C2	4.09	123.83	108.11
14	H	834	CLA	C2C-C1C-NC	4.09	114.27	109.98
17	B	847	BCR	C36-C18-C17	-4.08	116.20	122.82
14	Z	814	CLA	O2D-CGD-O1D	-4.08	115.90	123.85
17	G	849	BCR	C34-C9-C10	-4.08	116.20	122.82
18	A	850	LHG	O7-C7-C8	4.08	120.31	111.48
17	A	848	BCR	C33-C5-C6	-4.08	120.03	124.48
14	Y	819	CLA	C2B-C1B-NB	4.08	114.56	110.33
14	Z	833	CLA	C1D-ND-C4D	-4.08	103.45	106.31
17	B	845	BCR	C8-C7-C6	-4.08	116.11	127.00
14	f	102	CLA	C4A-NA-C1A	4.08	108.54	106.68
14	H	826	CLA	C1C-C2C-C3C	-4.08	102.69	106.98
14	Y	829	CLA	C4A-NA-C1A	4.07	108.54	106.68
14	A	808	CLA	C6-C5-C3	-4.07	103.56	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	803	CLA	CAC-C3C-C4C	4.07	130.08	124.79
14	G	830	CLA	CED-O2D-CGD	4.07	125.14	115.92
14	A	809	CLA	O2A-CGA-O1A	-4.07	113.45	123.63
14	Z	803	CLA	O1D-CGD-CBD	-4.07	116.50	124.52
14	A	836	CLA	C2B-C1B-NB	4.07	114.54	110.33
14	H	806	CLA	O2A-CGA-O1A	-4.07	113.45	123.63
14	H	809	CLA	O2D-CGD-CBD	4.07	118.34	111.23
14	B	806	CLA	O2A-C1-C2	4.06	123.75	108.11
17	Y	850	BCR	C34-C9-C10	-4.06	116.23	122.82
14	Y	825	CLA	O2A-C1-C2	4.06	123.74	108.11
17	Z	842	BCR	C37-C22-C23	4.06	124.29	118.09
17	G	848	BCR	C34-C9-C10	-4.06	116.24	122.82
14	H	813	CLA	C2B-C1B-NB	4.06	114.53	110.33
17	B	845	BCR	C34-C9-C8	4.06	124.29	118.09
14	B	836	CLA	CMC-C2C-C1C	4.06	131.37	125.03
14	A	842	CLA	C4D-C3D-CAD	4.06	112.51	108.11
14	A	831	CLA	O2A-CGA-O1A	-4.05	113.49	123.63
17	G	847	BCR	C34-C9-C10	-4.05	116.25	122.82
14	Y	827	CLA	O2A-CGA-CBA	4.05	124.19	111.83
14	H	810	CLA	CMB-C2B-C1B	4.05	131.59	125.42
14	G	829	CLA	C4A-NA-C1A	4.05	108.53	106.68
14	h	201	CLA	CMC-C2C-C1C	4.05	131.36	125.03
14	L	207	CLA	O2A-CGA-CBA	4.05	124.18	111.83
17	Z	841	BCR	C30-C25-C26	-4.05	117.11	122.64
17	Y	846	BCR	C15-C14-C13	-4.05	121.60	127.28
14	H	801	CLA	C2B-C1B-NB	4.05	114.52	110.33
14	B	819	CLA	O2D-CGD-CBD	4.05	118.30	111.23
14	H	821	CLA	O2A-CGA-CBA	4.05	124.17	111.83
17	U	1005	BCR	C37-C22-C21	-4.04	116.26	122.82
14	G	814	CLA	O1D-CGD-CBD	-4.04	116.54	124.52
14	H	814	CLA	CMA-C3A-C4A	4.04	122.64	111.77
14	S	1101	CLA	O2A-CGA-CBA	4.04	124.16	111.83
14	B	817	CLA	C4A-NA-C1A	4.04	108.52	106.68
14	L	206	CLA	CMC-C2C-C1C	4.04	131.35	125.03
14	Z	836	CLA	O2A-CGA-O1A	-4.04	113.52	123.63
14	B	840	CLA	O2A-CGA-O1A	-4.04	113.52	123.63
14	H	823	CLA	C1D-ND-C4D	-4.04	103.48	106.31
14	Y	819	CLA	O2D-CGD-O1D	-4.04	115.98	123.85
14	H	807	CLA	CAC-C3C-C4C	4.04	130.05	124.79
14	G	816	CLA	C3B-C2B-C1B	-4.04	102.41	107.17
17	A	846	BCR	C24-C23-C22	-4.04	120.26	126.23
14	Z	821	CLA	O2D-CGD-CBD	4.03	118.28	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	814	CLA	C4A-NA-C1A	4.03	108.52	106.68
14	H	823	CLA	C4A-NA-C1A	4.03	108.52	106.68
14	A	842	CLA	O2D-CGD-CBD	4.03	118.28	111.23
14	B	807	CLA	C2B-C1B-NB	4.03	114.51	110.33
17	d	203	BCR	C23-C22-C21	4.03	125.35	119.01
14	G	816	CLA	C1D-ND-C4D	-4.03	103.49	106.31
14	J	102	CLA	C2B-C1B-NB	4.03	114.50	110.33
17	J	103	BCR	C24-C23-C22	-4.03	120.28	126.23
14	Z	839	CLA	O2A-CGA-CBA	4.02	124.11	111.83
17	Y	848	BCR	C34-C9-C8	4.02	124.24	118.09
17	J	104	BCR	C8-C7-C6	-4.02	116.25	127.00
17	F	203	BCR	C35-C13-C14	-4.02	116.30	122.82
14	Z	830	CLA	O2A-CGA-O1A	-4.02	113.56	123.63
14	Y	841	CLA	O2A-CGA-O1A	-4.02	113.57	123.63
14	Z	829	CLA	C1C-C2C-C3C	-4.02	102.75	106.98
14	Z	812	CLA	C4A-NA-C1A	4.02	108.51	106.68
14	Y	854	CLA	CMB-C2B-C1B	4.02	131.53	125.42
14	B	817	CLA	CMB-C2B-C1B	4.02	131.53	125.42
14	B	811	CLA	C4A-NA-C1A	4.02	108.51	106.68
14	Y	837	CLA	O2A-CGA-O1A	-4.01	113.59	123.63
14	B	809	CLA	O1D-CGD-CBD	-4.01	116.60	124.52
17	G	850	BCR	C7-C6-C5	-4.01	112.31	121.56
14	Z	836	CLA	CMB-C2B-C1B	4.01	131.53	125.42
17	B	848	BCR	C34-C9-C10	-4.01	116.32	122.82
14	H	837	CLA	C1D-ND-C4D	-4.01	103.50	106.31
14	H	834	CLA	C1C-C2C-C3C	-4.01	102.76	106.98
17	I	101	BCR	C24-C23-C22	-4.01	120.31	126.23
14	T	101	CLA	CAC-C3C-C4C	4.01	130.00	124.79
14	A	818	CLA	O2A-C1-C2	4.01	123.53	108.11
14	G	809	CLA	O2D-CGD-CBD	4.01	118.23	111.23
14	G	804	CLA	C2B-C1B-NB	4.00	114.48	110.33
14	H	824	CLA	C4D-C3D-CAD	4.00	112.45	108.11
14	F	202	CLA	C1D-ND-C4D	-4.00	103.50	106.31
17	B	847	BCR	C3-C4-C5	-4.00	106.92	114.06
14	S	1101	CLA	C2B-C1B-NB	4.00	114.48	110.33
14	Z	806	CLA	CMB-C2B-C1B	4.00	131.51	125.42
14	G	827	CLA	C1C-C2C-C3C	-4.00	102.78	106.98
14	Y	836	CLA	C2B-C1B-NB	4.00	114.47	110.33
17	h	203	BCR	C36-C18-C17	-4.00	116.34	122.82
17	H	848	BCR	C37-C22-C21	-3.99	116.35	122.82
17	Y	848	BCR	C24-C23-C22	-3.99	120.33	126.23
17	H	844	BCR	C37-C22-C21	-3.99	116.35	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	833	CLA	C1D-ND-C4D	-3.99	103.51	106.31
14	Z	835	CLA	O2A-CGA-CBA	3.99	123.99	111.83
14	B	820	CLA	C1D-ND-C4D	-3.99	103.52	106.31
14	H	803	CLA	O2D-CGD-CBD	3.99	118.20	111.23
14	B	803	CLA	C3B-C2B-C1B	-3.98	102.47	107.17
14	B	819	CLA	C4A-NA-C1A	3.98	108.50	106.68
14	A	814	CLA	O2A-CGA-CBA	3.98	123.98	111.83
17	f	105	BCR	C34-C9-C10	-3.98	116.36	122.82
14	B	813	CLA	O2A-C1-C2	3.98	123.44	108.11
17	Q	202	BCR	C34-C9-C10	-3.98	116.36	122.82
14	G	828	CLA	O2A-CGA-CBA	3.98	123.97	111.83
17	f	103	BCR	C23-C24-C25	-3.98	116.37	127.00
19	H	846	LMG	O7-C10-C11	3.98	120.09	111.48
14	d	201	CLA	CMB-C2B-C1B	3.98	131.48	125.42
14	Z	826	CLA	CMA-C3A-C4A	3.98	122.47	111.77
17	T	102	BCR	C34-C9-C10	-3.98	116.37	122.82
17	d	203	BCR	C35-C13-C14	-3.98	116.37	122.82
17	H	841	BCR	C37-C22-C21	-3.97	116.38	122.82
14	G	819	CLA	O2A-CGA-CBA	3.97	123.95	111.83
14	B	841	CLA	CAA-C2A-C1A	-3.97	98.95	111.97
14	U	1003	CLA	O2D-CGD-O1D	-3.97	116.11	123.85
14	K	101	CLA	OBD-CAD-C3D	-3.97	122.13	128.60
14	Y	817	CLA	O2D-CGD-CBD	3.97	118.17	111.23
14	h	207	CLA	O2A-CGA-CBA	3.97	123.95	111.83
14	B	810	CLA	CMB-C2B-C1B	3.97	131.47	125.42
14	H	828	CLA	CMA-C3A-C4A	3.97	122.44	111.77
14	B	808	CLA	O2A-CGA-O1A	-3.97	113.70	123.63
14	Y	808	CLA	O2A-CGA-CBA	3.96	123.92	111.83
14	B	816	CLA	O2A-CGA-CBA	3.96	123.92	111.83
14	H	833	CLA	C2D-C1D-ND	3.96	114.05	110.13
15	H	839	PQN	C2M-C2-C3	-3.96	117.93	124.45
14	Y	828	CLA	O2A-CGA-CBA	3.96	123.92	111.83
17	R	101	BCR	C36-C18-C17	-3.96	116.39	122.82
14	G	816	CLA	C2D-C1D-ND	3.96	114.05	110.13
14	B	804	CLA	C2B-C1B-NB	3.96	114.43	110.33
14	G	817	CLA	C1-O2A-CGA	3.96	126.24	116.65
14	Y	814	CLA	O2A-CGA-CBA	3.96	123.91	111.83
14	A	830	CLA	O2D-CGD-O1D	-3.96	116.14	123.85
14	A	834	CLA	O2A-C1-C2	3.96	123.34	108.11
17	Y	851	BCR	C4-C5-C6	-3.96	117.36	122.70
14	Z	814	CLA	C3B-C2B-C1B	-3.96	102.50	107.17
14	Z	837	CLA	CHD-C1D-ND	-3.96	119.24	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	802	CLA	CED-O2D-CGD	3.95	124.89	115.92
17	L	209	BCR	C23-C22-C21	3.95	125.23	119.01
14	K	101	CLA	C2D-C1D-ND	3.95	114.04	110.13
17	Z	845	BCR	C7-C8-C9	-3.95	120.39	126.23
14	Y	828	CLA	O2D-CGD-CBD	3.95	118.13	111.23
17	B	847	BCR	C37-C22-C21	-3.95	116.42	122.82
14	Z	801	CLA	C2B-C1B-NB	3.95	114.42	110.33
14	G	808	CLA	O2A-CGA-CBA	3.95	123.86	111.83
17	Z	845	BCR	C3-C4-C5	-3.94	107.02	114.06
17	Z	845	BCR	C15-C14-C13	-3.94	121.75	127.28
14	H	811	CLA	O2D-CGD-CBD	3.94	118.12	111.23
14	Y	828	CLA	C1C-C2C-C3C	-3.94	102.83	106.98
14	B	828	CLA	C4D-C3D-CAD	3.94	112.39	108.11
14	Z	822	CLA	C4D-C3D-CAD	3.94	112.39	108.11
14	A	841	CLA	CHD-C1D-ND	-3.94	119.25	124.80
14	h	205	CLA	CED-O2D-CGD	3.94	124.86	115.92
14	H	821	CLA	CHD-C1D-ND	-3.94	119.25	124.80
14	Z	823	CLA	C2D-C1D-ND	3.94	114.03	110.13
14	G	836	CLA	O2D-CGD-CBD	3.94	118.11	111.23
14	A	807	CLA	CMB-C2B-C1B	3.94	131.41	125.42
17	S	1104	BCR	C15-C14-C13	-3.94	121.76	127.28
14	Y	830	CLA	O1D-CGD-CBD	-3.94	116.75	124.52
14	B	828	CLA	C3B-C2B-C1B	-3.93	102.53	107.17
17	H	841	BCR	C15-C14-C13	-3.93	121.76	127.28
14	B	801	CLA	C1-O2A-CGA	3.93	126.17	116.65
14	A	805	CLA	CMB-C2B-C1B	3.93	131.40	125.42
14	A	831	CLA	C3D-C2D-C1D	-3.93	100.47	105.83
14	G	810	CLA	O2A-CGA-O1A	-3.93	113.23	123.33
14	Z	831	CLA	O1D-CGD-CBD	-3.93	116.77	124.52
14	Y	835	CLA	C4A-NA-C1A	3.93	108.47	106.68
14	Y	829	CLA	O2A-CGA-O1A	-3.93	113.81	123.63
14	B	813	CLA	CAC-C3C-C4C	3.93	129.90	124.79
17	R	101	BCR	C34-C9-C8	3.93	124.09	118.09
17	f	105	BCR	C15-C14-C13	-3.92	121.78	127.28
17	G	849	BCR	C36-C18-C17	-3.92	116.46	122.82
14	Z	803	CLA	C2B-C1B-NB	3.92	114.39	110.33
14	G	805	CLA	CMC-C2C-C1C	3.92	131.16	125.03
14	G	829	CLA	O2D-CGD-CBD	3.92	118.09	111.23
17	H	845	BCR	C39-C30-C25	-3.92	104.09	110.24
17	e	101	BCR	C36-C18-C17	-3.92	116.47	122.82
14	G	817	CLA	O2A-C1-C2	3.92	123.18	108.11
14	L	205	CLA	C2D-C1D-ND	3.92	114.00	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	e	101	BCR	C33-C5-C6	-3.92	120.21	124.48
14	A	825	CLA	CAC-C3C-C4C	3.92	129.88	124.79
14	Z	806	CLA	O1D-CGD-CBD	-3.92	116.80	124.52
14	U	1006	CLA	CMA-C3A-C4A	3.91	122.30	111.77
17	A	848	BCR	C30-C25-C26	-3.91	117.29	122.64
14	G	806	CLA	O2D-CGD-O1D	-3.91	116.23	123.85
14	H	830	CLA	O1D-CGD-CBD	-3.91	116.80	124.52
17	Z	842	BCR	C34-C9-C10	-3.91	116.47	122.82
14	G	809	CLA	C4A-NA-C1A	3.91	108.46	106.68
14	B	835	CLA	O2D-CGD-CBD	3.91	118.07	111.23
14	H	806	CLA	O2A-CGA-CBA	3.91	123.76	111.83
17	B	843	BCR	C15-C14-C13	-3.91	121.80	127.28
14	A	809	CLA	O2A-CGA-CBA	3.91	123.75	111.83
17	J	104	BCR	C33-C5-C6	-3.91	120.22	124.48
14	Y	821	CLA	C4A-NA-C1A	3.91	108.46	106.68
14	G	818	CLA	O2A-C1-C2	3.91	123.14	108.11
14	d	201	CLA	O2A-CGA-CBA	3.90	123.74	111.83
14	A	808	CLA	O1D-CGD-CBD	-3.90	116.82	124.52
17	i	101	BCR	C39-C30-C25	-3.90	104.13	110.24
14	Y	809	CLA	C4A-NA-C1A	3.90	108.46	106.68
14	B	837	CLA	OBD-CAD-C3D	-3.90	119.30	128.42
14	H	837	CLA	O2D-CGD-CBD	3.90	118.05	111.23
14	Y	829	CLA	C2D-C1D-ND	3.90	113.98	110.13
14	B	839	CLA	C4A-NA-C1A	3.90	108.46	106.68
14	Z	824	CLA	OBD-CAD-C3D	-3.90	119.31	128.42
17	Q	204	BCR	C40-C30-C25	3.90	116.35	110.24
14	H	832	CLA	C4A-NA-C1A	3.90	108.46	106.68
17	B	848	BCR	C7-C8-C9	-3.89	120.47	126.23
14	G	835	CLA	C4D-C3D-CAD	3.89	112.33	108.11
18	G	851	LHG	O7-C7-C8	3.89	119.90	111.48
17	Y	856	BCR	C7-C8-C9	-3.89	120.47	126.23
17	Z	846	BCR	C38-C26-C25	3.89	128.73	124.48
14	G	833	CLA	O2A-C1-C2	3.89	123.08	108.11
14	A	818	CLA	O1D-CGD-CBD	-3.89	116.84	124.52
14	A	827	CLA	O2D-CGD-CBD	3.89	118.03	111.23
14	Y	803	CLA	C1D-ND-C4D	-3.89	103.58	106.31
14	H	827	CLA	C1C-C2C-C3C	-3.89	102.89	106.98
17	B	844	BCR	C33-C5-C6	-3.89	120.24	124.48
14	Y	825	CLA	O2D-CGD-CBD	3.89	118.02	111.23
14	S	1103	CLA	O2D-CGD-O1D	-3.88	116.29	123.85
14	B	805	CLA	C4D-C3D-CAD	3.88	112.32	108.11
14	G	816	CLA	CMA-C3A-C4A	3.88	122.21	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	842	BCR	C23-C24-C25	-3.88	116.63	127.00
14	H	835	CLA	CMB-C2B-C1B	3.88	131.32	125.42
13	Y	801	CL0	C1D-ND-C4D	-3.88	103.59	106.31
14	Y	814	CLA	C1-O2A-CGA	3.88	126.04	116.65
14	H	822	CLA	CAA-C2A-C1A	-3.88	99.27	111.97
17	U	1005	BCR	C36-C18-C17	-3.88	116.53	122.82
14	G	814	CLA	CBA-CAA-C2A	3.88	125.33	113.79
13	A	801	CL0	CMB-C2B-C1B	3.87	131.32	125.42
14	U	1003	CLA	CAC-C3C-C4C	3.87	129.83	124.79
14	H	816	CLA	O2A-C1-C2	3.87	123.01	108.11
17	T	102	BCR	C34-C9-C8	3.87	124.00	118.09
14	B	820	CLA	C2B-C1B-NB	3.87	114.34	110.33
14	G	821	CLA	O2A-CGA-CBA	3.87	123.64	111.83
14	G	827	CLA	O2A-CGA-O1A	-3.87	113.95	123.63
14	Z	804	CLA	C2D-C1D-ND	3.87	113.95	110.13
14	H	823	CLA	CMA-C3A-C4A	3.86	122.16	111.77
14	d	202	CLA	C4A-NA-C1A	3.86	108.44	106.68
14	L	205	CLA	C1-O2A-CGA	3.86	126.00	116.65
14	A	819	CLA	O2A-CGA-CBA	3.86	123.61	111.83
14	Z	833	CLA	C2D-C1D-ND	3.86	113.95	110.13
14	Z	817	CLA	O2D-CGD-CBD	3.86	117.98	111.23
14	S	1101	CLA	O2D-CGD-O1D	-3.86	116.34	123.85
17	H	843	BCR	C39-C30-C25	-3.86	104.19	110.24
14	h	207	CLA	C2B-C1B-NB	3.86	114.33	110.33
17	Q	204	BCR	C34-C9-C8	3.86	123.98	118.09
17	L	209	BCR	C24-C23-C22	-3.86	120.53	126.23
14	B	829	CLA	O1D-CGD-CBD	-3.86	116.91	124.52
14	H	815	CLA	O2A-CGA-CBA	3.85	123.59	111.83
14	Y	841	CLA	C4A-NA-C1A	3.85	108.44	106.68
14	Y	817	CLA	O2A-CGA-O1A	-3.85	113.99	123.63
14	Y	837	CLA	C4A-NA-C1A	3.85	108.44	106.68
14	G	810	CLA	O2D-CGD-O1D	-3.85	116.36	123.85
17	A	846	BCR	C30-C25-C24	3.85	126.09	115.65
14	H	805	CLA	C2B-C1B-NB	3.85	114.32	110.33
17	U	1008	BCR	C36-C18-C17	-3.85	116.58	122.82
14	Z	812	CLA	O2A-CGA-CBA	3.85	123.57	111.83
17	G	846	BCR	C28-C27-C26	-3.85	107.19	114.06
14	B	807	CLA	C2D-C1D-ND	3.85	113.93	110.13
14	G	840	CLA	C2B-C1B-NB	3.85	114.32	110.33
14	Y	821	CLA	O2A-CGA-CBA	3.85	123.57	111.83
14	Y	812	CLA	O2D-CGD-CBD	3.85	117.95	111.23
14	B	841	CLA	O2A-CGA-CBA	3.85	123.56	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	830	CLA	O2A-CGA-CBA	3.85	123.56	111.83
14	B	829	CLA	O2A-CGA-CBA	3.85	123.56	111.83
14	A	837	CLA	CMB-C2B-C1B	3.84	131.27	125.42
13	G	801	CL0	C1D-ND-C4D	-3.84	103.62	106.31
17	B	843	BCR	C34-C9-C10	-3.84	116.59	122.82
13	A	801	CL0	CAC-C3C-C4C	3.84	129.79	124.79
14	B	811	CLA	O2D-CGD-O1D	-3.84	116.37	123.85
14	Y	817	CLA	C4A-NA-C1A	3.84	108.43	106.68
17	L	208	BCR	C37-C22-C21	-3.83	116.61	122.82
14	G	805	CLA	O2D-CGD-O1D	-3.83	116.39	123.85
14	G	827	CLA	C2C-C1C-NC	3.83	114.01	109.98
14	U	1003	CLA	C2D-C1D-ND	3.83	113.92	110.13
14	Z	839	CLA	O2A-C1-C2	3.83	122.85	108.11
14	A	802	CLA	CMB-C2B-C1B	3.83	131.25	125.42
17	Y	847	BCR	C34-C9-C8	3.83	123.94	118.09
14	G	842	CLA	C4A-NA-C1A	3.83	108.43	106.68
14	G	834	CLA	C4A-NA-C1A	3.83	108.42	106.68
17	S	1104	BCR	C8-C7-C6	-3.83	116.78	127.00
14	A	818	CLA	C2B-C1B-NB	3.83	114.29	110.33
14	L	206	CLA	C1D-ND-C4D	-3.83	103.63	106.31
17	A	846	BCR	C34-C9-C10	-3.82	116.62	122.82
17	T	102	BCR	C8-C7-C6	-3.82	116.79	127.00
17	L	208	BCR	C36-C18-C17	-3.82	116.62	122.82
17	B	848	BCR	C33-C5-C6	-3.82	120.31	124.48
14	Y	809	CLA	C2B-C1B-NB	3.82	114.29	110.33
14	B	806	CLA	C2B-C1B-NB	3.82	114.29	110.33
14	Z	818	CLA	C2B-C1B-NB	3.82	114.29	110.33
14	Y	854	CLA	O2A-C1-C2	3.82	122.80	108.11
14	A	814	CLA	CAA-CBA-CGA	-3.82	102.37	113.21
14	G	843	CLA	O2A-CGA-CBA	3.82	123.48	111.83
14	B	834	CLA	O1D-CGD-CBD	-3.82	116.99	124.52
14	B	835	CLA	C4A-NA-C1A	3.81	108.42	106.68
14	Y	843	CLA	C2B-C1B-NB	3.81	114.28	110.33
14	H	833	CLA	CAC-C3C-C4C	3.81	129.75	124.79
17	L	209	BCR	C27-C26-C25	-3.81	117.55	122.70
14	G	815	CLA	CMD-C2D-C3D	-3.81	118.95	127.69
17	G	847	BCR	C38-C26-C25	-3.81	120.33	124.48
14	H	809	CLA	OBD-CAD-C3D	-3.81	119.51	128.42
14	G	823	CLA	O2A-CGA-CBA	3.81	123.45	111.83
14	Z	828	CLA	O2D-CGD-CBD	3.81	117.89	111.23
14	G	819	CLA	C2B-C1B-NB	3.81	114.28	110.33
17	Z	844	BCR	C15-C14-C13	-3.81	121.66	127.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	846	BCR	C8-C7-C6	-3.81	116.82	127.00
14	Y	818	CLA	O2A-C1-C2	3.81	122.76	108.11
17	A	849	BCR	C1-C6-C7	3.81	125.97	115.65
14	Y	831	CLA	OBD-CAD-C3D	-3.81	119.52	128.42
17	L	203	BCR	C15-C14-C13	-3.81	121.94	127.28
14	B	805	CLA	O2D-CGD-O1D	-3.81	116.44	123.85
14	Y	826	CLA	O2A-CGA-O1A	-3.81	114.11	123.63
14	H	831	CLA	O2A-CGA-CBA	3.81	126.02	114.00
14	A	829	CLA	O2A-CGA-O1A	-3.81	114.11	123.63
14	G	821	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	A	829	CLA	C4A-NA-C1A	3.80	108.41	106.68
14	H	810	CLA	C4A-NA-C1A	3.80	108.41	106.68
17	I	101	BCR	C23-C24-C25	-3.80	116.84	127.00
14	Z	838	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
14	H	822	CLA	O2A-CGA-CBA	3.80	123.43	111.83
14	G	802	CLA	O2A-C1-C2	3.80	122.74	108.11
14	B	840	CLA	C2B-C1B-NB	3.80	114.27	110.33
17	Y	846	BCR	C34-C9-C10	-3.80	116.66	122.82
14	A	802	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	Z	811	CLA	C2B-C1B-NB	3.80	114.27	110.33
17	G	848	BCR	C28-C27-C26	-3.80	107.28	114.06
17	A	849	BCR	C7-C6-C5	-3.80	112.81	121.56
14	H	802	CLA	C1D-ND-C4D	-3.80	103.65	106.31
17	H	840	BCR	C3-C4-C5	-3.80	107.28	114.06
14	Z	806	CLA	O2A-CGA-O1A	-3.80	114.13	123.63
17	h	202	BCR	C30-C25-C24	3.79	125.94	115.65
14	Y	821	CLA	CMC-C2C-C1C	3.79	130.96	125.03
14	Y	831	CLA	O2D-CGD-O1D	-3.79	116.47	123.85
14	Y	804	CLA	O2A-CGA-CBA	3.79	123.40	111.83
17	A	846	BCR	C33-C5-C6	-3.79	120.35	124.48
14	H	832	CLA	C4D-C3D-CAD	3.79	112.22	108.11
14	Y	855	CLA	O2A-CGA-CBA	3.79	123.39	111.83
14	A	821	CLA	O2A-CGA-CBA	3.79	123.39	111.83
17	Y	856	BCR	C3-C4-C5	-3.79	107.30	114.06
14	d	201	CLA	CHD-C1D-ND	-3.79	119.47	124.80
17	f	104	BCR	C15-C14-C13	-3.79	121.97	127.28
18	A	850	LHG	O8-C23-C24	3.79	123.38	111.83
14	B	814	CLA	O1D-CGD-CBD	-3.79	117.05	124.52
14	Y	822	CLA	CMC-C2C-C1C	3.79	130.95	125.03
17	V	1202	BCR	C33-C5-C6	-3.79	120.35	124.48
14	T	103	CLA	O2D-CGD-CBD	3.79	117.85	111.23
14	Y	817	CLA	O2A-CGA-CBA	3.79	123.38	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	835	CLA	OBD-CAD-C3D	-3.79	119.57	128.42
14	G	835	CLA	C4A-NA-C1A	3.79	108.41	106.68
14	B	810	CLA	C4D-C3D-CAD	3.78	112.22	108.11
14	Q	203	CLA	O2D-CGD-O1D	-3.78	116.48	123.85
14	Z	830	CLA	O2A-CGA-CBA	3.78	123.37	111.83
17	Q	202	BCR	C38-C26-C25	3.78	128.61	124.48
14	A	852	CLA	C4D-C3D-CAD	3.78	112.21	108.11
14	H	803	CLA	CED-O2D-CGD	3.78	124.49	115.92
14	A	804	CLA	O1D-CGD-CBD	-3.78	117.06	124.52
14	G	826	CLA	CHD-C1D-ND	-3.78	119.48	124.80
14	H	810	CLA	C2B-C1B-NB	3.78	114.24	110.33
17	H	842	BCR	C15-C14-C13	-3.78	121.98	127.28
17	G	850	BCR	C1-C6-C7	3.78	125.90	115.65
14	H	813	CLA	C1-O2A-CGA	3.78	125.79	116.65
14	Z	824	CLA	C2B-C1B-NB	3.77	114.24	110.33
14	Y	842	CLA	C1-O2A-CGA	3.77	125.79	116.65
17	i	101	BCR	C7-C8-C9	-3.77	120.65	126.23
14	H	820	CLA	CHD-C1D-ND	-3.77	119.49	124.80
14	A	813	CLA	C4D-C3D-CAD	3.77	112.20	108.11
14	A	818	CLA	C2C-C1C-NC	3.77	113.94	109.98
14	Y	807	CLA	C3D-C4D-ND	3.77	116.12	109.99
14	B	830	CLA	CMB-C2B-C1B	3.77	131.16	125.42
14	Z	802	CLA	CHB-C4A-NA	3.77	129.84	124.40
14	G	818	CLA	CHD-C1D-ND	-3.77	119.50	124.80
14	H	802	CLA	O2A-CGA-CBA	3.76	123.31	111.83
17	H	845	BCR	C24-C23-C22	-3.76	120.67	126.23
14	Y	855	CLA	C2B-C1B-NB	3.76	114.23	110.33
14	B	802	CLA	C4D-C3D-CAD	3.76	112.19	108.11
14	Z	819	CLA	CHD-C1D-ND	-3.76	119.51	124.80
14	G	837	CLA	O2D-CGD-O1D	-3.76	116.53	123.85
14	Z	831	CLA	CMA-C3A-C4A	3.75	121.86	111.77
17	S	1104	BCR	C3-C4-C5	-3.75	107.36	114.06
14	A	833	CLA	O2D-CGD-CBD	3.75	117.79	111.23
17	Y	848	BCR	C23-C22-C21	3.75	124.91	119.01
17	A	847	BCR	C34-C9-C10	-3.75	116.74	122.82
14	H	806	CLA	CMB-C2B-C1B	3.75	131.13	125.42
14	Y	807	CLA	O2A-CGA-CBA	3.75	123.27	111.83
14	B	809	CLA	C4D-C3D-CAD	3.75	112.18	108.11
17	I	101	BCR	C4-C5-C6	-3.75	117.64	122.70
14	U	1003	CLA	C4A-NA-C1A	3.75	108.39	106.68
14	G	824	CLA	O2A-C1-C2	3.75	122.53	108.11
17	G	850	BCR	C28-C27-C26	-3.75	107.37	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Y	848	BCR	C38-C26-C25	-3.75	120.39	124.48
14	Q	201	CLA	O2A-CGA-O1A	-3.75	114.25	123.63
14	G	814	CLA	O2A-CGA-CBA	3.75	123.26	111.83
14	G	813	CLA	C4A-NA-C1A	3.75	108.39	106.68
14	A	827	CLA	C4D-C3D-CAD	3.75	112.17	108.11
14	Z	814	CLA	O2A-CGA-CBA	3.74	123.25	111.83
14	Z	801	CLA	C1-O2A-CGA	3.74	125.71	116.65
14	A	834	CLA	C2B-C1B-NB	3.74	114.21	110.33
14	G	822	CLA	CHD-C1D-ND	-3.74	119.53	124.80
14	B	812	CLA	O2A-CGA-CBA	3.74	123.25	111.83
14	K	103	CLA	CMA-C3A-C4A	3.74	121.83	111.77
17	G	854	BCR	C34-C9-C10	-3.74	116.75	122.82
17	f	104	BCR	C39-C30-C25	-3.74	104.38	110.24
14	Z	818	CLA	O2A-CGA-CBA	3.74	125.82	114.00
14	A	836	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	A	805	CLA	CAC-C3C-C4C	3.74	129.65	124.79
14	B	836	CLA	C4D-C3D-CAD	3.74	112.17	108.11
14	B	813	CLA	C1-C2-C3	-3.74	120.08	126.20
17	H	841	BCR	C7-C8-C9	-3.74	120.71	126.23
14	Y	841	CLA	O2D-CGD-CBD	3.74	117.76	111.23
14	B	802	CLA	O2A-CGA-O1A	-3.73	114.29	123.63
14	Y	842	CLA	C3D-C4D-ND	3.73	116.06	109.99
14	B	801	CLA	C2B-C1B-NB	3.73	114.20	110.33
14	A	840	CLA	O2A-C1-C2	3.73	122.47	108.11
14	Y	804	CLA	O2D-CGD-O1D	-3.73	116.58	123.85
17	Z	841	BCR	C3-C4-C5	-3.73	107.40	114.06
14	G	853	CLA	O2D-CGD-CBD	3.73	117.75	111.23
14	A	807	CLA	CHD-C1D-ND	-3.73	119.55	124.80
17	h	203	BCR	C24-C23-C22	-3.73	120.72	126.23
14	Y	812	CLA	O2A-CGA-CBA	3.73	123.21	111.83
14	B	805	CLA	O2A-CGA-CBA	3.73	123.21	111.83
14	H	834	CLA	O2A-CGA-CBA	3.73	123.20	111.83
14	A	811	CLA	O2D-CGD-CBD	3.73	117.75	111.23
14	A	823	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	B	807	CLA	O2D-CGD-CBD	3.73	117.75	111.23
14	Y	816	CLA	CMB-C2B-C1B	3.73	131.09	125.42
14	Y	803	CLA	O2A-C1-C2	3.72	122.44	108.11
14	A	836	CLA	C4A-NA-C1A	3.72	108.38	106.68
14	A	807	CLA	O2A-C1-C2	3.72	122.44	108.11
14	Y	804	CLA	C2B-C1B-NB	3.72	114.19	110.33
14	H	837	CLA	C3B-C2B-C1B	-3.72	102.78	107.17
17	L	203	BCR	C3-C4-C5	-3.72	107.42	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	813	CLA	C2B-C1B-NB	3.72	114.19	110.33
17	R	101	BCR	C19-C18-C17	3.72	124.86	119.01
17	f	103	BCR	C34-C9-C8	3.72	123.77	118.09
14	Y	827	CLA	C1-O2A-CGA	3.72	125.66	116.65
14	Z	825	CLA	C4A-NA-C1A	3.72	108.38	106.68
14	A	820	CLA	CMA-C3A-C4A	3.72	121.77	111.77
14	H	808	CLA	C3B-C2B-C1B	-3.72	102.78	107.17
14	B	813	CLA	CHD-C1D-ND	-3.72	119.57	124.80
14	H	827	CLA	O2A-CGA-CBA	3.72	123.17	111.83
14	Y	830	CLA	CMC-C2C-C1C	3.72	130.84	125.03
14	A	821	CLA	C2B-C1B-NB	3.72	114.18	110.33
14	B	839	CLA	O2A-CGA-CBA	3.72	125.74	114.00
14	A	827	CLA	C4A-NA-C1A	3.72	108.37	106.68
14	A	841	CLA	O2A-C1-C2	3.71	122.40	108.11
14	Q	201	CLA	CMB-C2B-C1B	3.71	131.07	125.42
14	H	829	CLA	C2B-C1B-NB	3.71	114.18	110.33
14	Y	825	CLA	O2A-CGA-CBA	3.71	123.16	111.83
14	Z	816	CLA	C1-O2A-CGA	3.71	125.63	116.65
17	G	849	BCR	C34-C9-C8	3.71	123.76	118.09
14	H	803	CLA	O2A-CGA-CBA	3.71	123.14	111.83
14	Y	809	CLA	O2A-CGA-CBA	3.71	123.14	111.83
17	L	203	BCR	C39-C30-C25	3.71	116.06	110.24
14	B	806	CLA	CHD-C1D-ND	-3.71	119.59	124.80
14	A	827	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	U	1004	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	B	820	CLA	C2D-C1D-ND	3.71	113.79	110.13
14	A	842	CLA	CMC-C2C-C1C	3.70	130.82	125.03
14	Y	818	CLA	O1D-CGD-CBD	-3.70	117.21	124.52
14	G	810	CLA	C2B-C1B-NB	3.70	114.17	110.33
14	A	831	CLA	C2D-C1D-ND	3.70	113.79	110.13
14	H	831	CLA	C2D-C1D-ND	3.70	113.79	110.13
17	Y	851	BCR	C7-C6-C5	-3.70	113.03	121.56
14	G	803	CLA	O2A-CGA-CBA	3.70	123.11	111.83
14	Z	807	CLA	CMA-C3A-C4A	3.70	121.71	111.77
17	B	846	BCR	C15-C14-C13	-3.70	121.83	127.48
14	G	812	CLA	O2A-CGA-CBA	3.70	123.11	111.83
17	G	849	BCR	C33-C5-C6	-3.70	120.45	124.48
14	A	811	CLA	O2A-CGA-CBA	3.70	123.10	111.83
14	G	842	CLA	O2A-CGA-CBA	3.70	123.10	111.83
14	Y	830	CLA	C4D-C3D-CAD	3.70	112.12	108.11
14	Y	807	CLA	CHD-C1D-ND	-3.70	119.60	124.80
14	G	809	CLA	C4D-C3D-CAD	3.69	112.12	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	803	CLA	OBD-CAD-C3D	-3.69	119.78	128.42
14	A	841	CLA	C3B-C2B-C1B	-3.69	102.81	107.17
14	G	805	CLA	CHD-C1D-ND	-3.69	119.60	124.80
17	G	854	BCR	C24-C23-C22	-3.69	120.77	126.23
17	Y	849	BCR	C30-C25-C24	3.69	125.66	115.65
14	G	836	CLA	O2A-C1-C2	3.69	122.31	108.11
17	Y	849	BCR	C30-C25-C26	-3.69	117.59	122.64
14	H	835	CLA	CMC-C2C-C1C	3.69	130.80	125.03
14	A	818	CLA	C1-O2A-CGA	3.69	125.58	116.65
14	H	831	CLA	C4D-C3D-CAD	3.69	112.11	108.11
17	Z	841	BCR	C8-C7-C6	-3.69	117.14	127.00
14	H	811	CLA	CED-O2D-CGD	3.69	124.28	115.92
14	Z	822	CLA	O2A-CGA-CBA	3.69	123.08	111.83
14	H	830	CLA	C1-C2-C3	-3.69	120.16	126.20
14	A	828	CLA	C2B-C1B-NB	3.69	114.15	110.33
14	Y	815	CLA	O2D-CGD-O1D	-3.69	116.67	123.85
14	G	815	CLA	O2A-CGA-O1A	-3.68	114.41	123.63
17	B	851	BCR	C3-C4-C5	-3.68	107.49	114.06
14	A	839	CLA	O2A-CGA-O1A	-3.68	114.42	123.63
14	H	813	CLA	O2A-C1-C2	3.68	122.28	108.11
14	A	839	CLA	O2A-CGA-CBA	3.68	123.06	111.83
14	A	838	CLA	CMC-C2C-C1C	3.68	130.79	125.03
14	H	807	CLA	C4A-NA-C1A	3.68	108.36	106.68
14	H	802	CLA	C4-C3-C5	3.68	121.62	115.23
17	A	845	BCR	C23-C22-C21	3.68	124.80	119.01
14	X	1701	CLA	OBD-CAD-C3D	-3.68	119.82	128.42
14	H	821	CLA	C3D-C4D-ND	3.68	115.97	109.99
14	Y	837	CLA	O2A-CGA-CBA	3.68	123.05	111.83
17	Y	847	BCR	C39-C30-C25	-3.68	104.48	110.24
14	G	820	CLA	O2D-CGD-O1D	-3.68	116.69	123.85
14	Y	815	CLA	O2A-CGA-CBA	3.68	123.04	111.83
14	B	819	CLA	OBD-CAD-C3D	-3.67	119.83	128.42
14	B	828	CLA	O2A-C1-C2	3.67	122.25	108.11
14	Z	812	CLA	O2A-C1-C2	3.67	122.24	108.11
14	G	827	CLA	O2A-CGA-CBA	3.67	123.03	111.83
14	Y	805	CLA	C4D-C3D-CAD	3.67	112.09	108.11
14	A	826	CLA	C3D-C4D-ND	3.67	115.95	109.99
14	A	810	CLA	C4A-NA-C1A	3.67	108.35	106.68
17	h	203	BCR	C38-C26-C25	-3.67	120.48	124.48
14	L	205	CLA	O2A-C1-C2	3.67	122.21	108.11
14	U	1003	CLA	CMC-C2C-C1C	3.66	130.76	125.03
14	Z	807	CLA	CMB-C2B-C1B	3.66	131.00	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	L	209	BCR	C36-C18-C19	-3.66	112.49	118.09
17	A	846	BCR	C34-C9-C8	3.66	123.69	118.09
14	B	814	CLA	O2A-CGA-CBA	3.66	123.00	111.83
14	Y	829	CLA	O2D-CGD-O1D	-3.66	116.73	123.85
17	e	101	BCR	C2-C1-C6	-3.66	105.12	110.44
14	B	826	CLA	O2A-CGA-O1A	-3.66	114.48	123.63
14	U	1003	CLA	C4D-C3D-CAD	3.66	112.08	108.11
18	Y	852	LHG	O8-C23-C24	3.66	122.98	111.83
14	H	817	CLA	CHD-C1D-ND	-3.65	119.66	124.80
14	S	1101	CLA	OBD-CAD-C3D	-3.65	119.88	128.42
14	G	821	CLA	C4A-NA-C1A	3.65	108.34	106.68
17	h	203	BCR	C34-C9-C10	-3.65	116.90	122.82
17	J	104	BCR	C40-C30-C25	3.65	115.96	110.24
14	B	833	CLA	O1D-CGD-CBD	-3.65	117.32	124.52
14	H	835	CLA	CMA-C3A-C4A	3.65	121.58	111.77
14	W	1701	CLA	O2A-CGA-CBA	3.65	125.52	114.00
14	B	840	CLA	CMC-C2C-C1C	3.65	130.73	125.03
14	H	820	CLA	O2A-CGA-CBA	3.64	125.51	114.00
14	G	813	CLA	C4D-C3D-CAD	3.64	112.06	108.11
14	H	836	CLA	O2A-CGA-CBA	3.64	125.50	114.00
14	Z	802	CLA	C4D-C3D-CAD	3.64	112.06	108.11
17	F	203	BCR	C34-C9-C8	3.64	123.64	118.09
14	B	826	CLA	C4D-C3D-CAD	3.64	112.06	108.11
14	H	834	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	h	201	CLA	C4A-NA-C1A	3.63	108.34	106.68
14	G	836	CLA	C1-C2-C3	-3.63	120.88	126.76
14	Y	818	CLA	C4D-C3D-CAD	3.63	112.05	108.11
14	A	816	CLA	O2D-CGD-O1D	-3.63	116.78	123.85
17	G	854	BCR	C37-C22-C21	-3.63	116.94	122.82
14	h	201	CLA	O2A-CGA-CBA	3.63	122.90	111.83
14	Y	841	CLA	C3D-C4D-ND	3.63	115.89	109.99
14	G	809	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	H	814	CLA	O2A-CGA-CBA	3.63	125.46	114.00
14	A	828	CLA	O2D-CGD-CBD	3.63	117.57	111.23
14	G	817	CLA	O2A-CGA-CBA	3.63	122.89	111.83
14	B	830	CLA	O1D-CGD-CBD	-3.62	117.37	124.52
14	Y	809	CLA	CAC-C3C-C4C	3.62	129.50	124.79
14	Z	817	CLA	C1-O2A-CGA	3.62	125.42	116.65
17	A	845	BCR	C31-C1-C6	-3.62	104.56	110.24
14	h	206	CLA	C3D-C4D-ND	3.62	115.87	109.99
14	Y	855	CLA	O2A-C1-C2	3.62	122.05	108.11
14	A	842	CLA	CMB-C2B-C1B	3.62	130.93	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	806	CLA	CMC-C2C-C1C	3.62	130.69	125.03
14	G	825	CLA	C4D-C3D-CAD	3.62	112.03	108.11
14	H	835	CLA	C3D-C4D-ND	3.62	115.86	109.99
14	A	812	CLA	C4A-NA-C1A	3.61	108.33	106.68
14	L	201	CLA	O2A-C1-C2	3.61	122.02	108.11
17	G	848	BCR	C7-C8-C9	-3.61	120.89	126.23
14	A	802	CLA	CGD-CBD-CAD	-3.61	99.15	110.85
14	Y	804	CLA	CHD-C1D-ND	-3.61	119.72	124.80
14	A	824	CLA	C3C-C4C-NC	3.61	115.06	110.43
14	Z	816	CLA	CMA-C3A-C4A	3.61	121.48	111.77
17	B	848	BCR	C34-C9-C8	3.61	123.60	118.09
14	G	843	CLA	C3D-C4D-ND	3.61	115.86	109.99
14	B	812	CLA	CHD-C1D-ND	-3.61	119.72	124.80
14	h	207	CLA	CMA-C3A-C4A	3.61	121.47	111.77
14	B	821	CLA	C4D-C3D-CAD	3.61	112.03	108.11
14	f	101	CLA	O2D-CGD-O1D	-3.61	116.82	123.85
14	H	830	CLA	C2B-C1B-NB	3.61	114.07	110.33
14	H	837	CLA	C4A-NA-C1A	3.61	108.33	106.68
14	Y	826	CLA	CMC-C2C-C1C	3.61	130.67	125.03
14	A	808	CLA	C2B-C1B-NB	3.61	114.07	110.33
14	A	817	CLA	O2A-CGA-CBA	3.61	122.83	111.83
14	Z	826	CLA	C3D-C4D-ND	3.61	115.85	109.99
17	Z	845	BCR	C1-C6-C7	3.61	125.43	115.65
14	h	206	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	B	838	CLA	CMB-C2B-C1B	3.60	130.91	125.42
14	Z	813	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	Z	819	CLA	C3D-C4D-ND	3.60	115.84	109.99
14	G	819	CLA	CHD-C1D-ND	-3.60	119.73	124.80
17	U	1008	BCR	C8-C7-C6	-3.60	117.38	127.00
14	G	843	CLA	CHD-C1D-ND	-3.60	119.74	124.80
14	Y	805	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	H	810	CLA	C1-O2A-CGA	3.60	125.36	116.65
14	H	834	CLA	CHD-C1D-ND	-3.60	119.74	124.80
14	H	832	CLA	C1D-ND-C4D	-3.60	103.79	106.31
14	Y	802	CLA	CMB-C2B-C1B	3.60	130.90	125.42
14	Y	803	CLA	O2D-CGD-O1D	-3.59	116.85	123.85
14	B	833	CLA	C3D-C4D-ND	3.59	115.83	109.99
14	A	831	CLA	C4D-C3D-CAD	3.59	112.01	108.11
14	G	831	CLA	C4D-C3D-CAD	3.59	112.01	108.11
14	H	810	CLA	CMA-C3A-C4A	3.59	121.43	111.77
14	H	812	CLA	O2A-C1-C2	3.59	121.94	108.11
14	Y	803	CLA	C4A-NA-C1A	3.59	108.32	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	824	CLA	C4D-C3D-CAD	3.59	112.00	108.11
14	Y	810	CLA	CMC-C2C-C1C	3.59	130.64	125.03
17	G	848	BCR	C8-C7-C6	-3.59	117.41	127.00
14	Y	805	CLA	CMB-C2B-C1B	3.59	130.88	125.42
14	Y	821	CLA	C2B-C1B-NB	3.59	114.05	110.33
14	A	816	CLA	C3B-C2B-C1B	-3.59	102.94	107.17
14	G	840	CLA	CHD-C1D-ND	-3.58	119.76	124.80
14	Z	834	CLA	O2D-CGD-O1D	-3.58	116.87	123.85
14	A	805	CLA	O2D-CGD-O1D	-3.58	116.88	123.85
14	L	205	CLA	C3D-C2D-C1D	-3.58	100.94	105.83
14	H	809	CLA	CMC-C2C-C1C	3.58	130.63	125.03
14	B	806	CLA	C3D-C4D-ND	3.58	115.81	109.99
14	Z	822	CLA	CMA-C3A-C4A	3.58	121.39	111.77
14	B	826	CLA	C1D-ND-C4D	-3.58	103.80	106.31
17	H	843	BCR	C40-C30-C25	3.58	115.86	110.24
17	A	847	BCR	C30-C25-C26	-3.58	117.75	122.64
14	Y	807	CLA	CMC-C2C-C1C	3.58	130.62	125.03
14	d	201	CLA	C3D-C4D-ND	3.58	115.80	109.99
14	G	819	CLA	C1-O2A-CGA	3.57	125.30	116.65
14	B	818	CLA	CAC-C3C-C4C	3.57	129.44	124.79
17	F	203	BCR	C23-C24-C25	-3.57	117.45	127.00
17	h	203	BCR	C33-C5-C6	-3.57	120.59	124.48
14	Y	834	CLA	O2A-CGA-O1A	-3.57	114.69	123.63
14	H	820	CLA	CED-O2D-CGD	3.57	124.02	115.92
14	B	828	CLA	O2D-CGD-CBD	3.57	117.47	111.23
14	A	803	CLA	O2A-CGA-CBA	3.57	122.72	111.83
14	G	826	CLA	C2B-C1B-NB	3.57	114.03	110.33
17	H	841	BCR	C33-C5-C6	-3.57	120.59	124.48
17	G	846	BCR	C34-C9-C8	3.57	123.54	118.09
14	A	826	CLA	CMC-C2C-C1C	3.57	130.61	125.03
14	Z	804	CLA	C4D-C3D-CAD	3.57	111.98	108.11
14	Z	832	CLA	C4D-C3D-CAD	3.57	111.98	108.11
17	B	845	BCR	C7-C6-C5	-3.57	113.34	121.56
14	Y	841	CLA	O2A-C1-C2	3.57	121.83	108.11
17	H	845	BCR	C23-C24-C25	-3.57	117.47	127.00
14	G	834	CLA	C2B-C1B-NB	3.57	114.02	110.33
14	G	830	CLA	C3B-C2B-C1B	-3.57	102.97	107.17
14	B	812	CLA	C3D-C4D-ND	3.57	115.78	109.99
14	A	809	CLA	C4D-C3D-CAD	3.56	111.98	108.11
14	B	835	CLA	C4D-C3D-CAD	3.56	111.98	108.11
14	G	808	CLA	C2B-C1B-NB	3.56	114.02	110.33
14	h	201	CLA	C2B-C1B-NB	3.56	114.02	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	836	CLA	O2D-CGD-O1D	-3.56	116.91	123.85
13	G	801	CL0	C1-O2A-CGA	3.56	125.27	116.65
14	J	102	CLA	C1-O2A-CGA	3.56	125.27	116.65
14	G	815	CLA	O2D-CGD-O1D	-3.56	116.92	123.85
17	R	101	BCR	C37-C22-C21	-3.56	117.05	122.82
17	Y	846	BCR	C12-C13-C14	3.56	124.61	119.01
14	A	840	CLA	O2A-CGA-O1A	-3.56	114.73	123.63
17	Z	845	BCR	C33-C5-C6	-3.56	120.60	124.48
17	Y	846	BCR	C34-C9-C8	3.56	123.52	118.09
14	H	810	CLA	O2A-C1-C2	3.56	121.79	108.11
14	B	834	CLA	CMD-C2D-C3D	-3.55	119.54	127.69
14	Z	809	CLA	CMA-C3A-C4A	3.55	121.33	111.77
17	V	1202	BCR	C7-C8-C9	-3.55	120.98	126.23
17	Y	847	BCR	C36-C18-C17	-3.55	117.06	122.82
14	Y	854	CLA	O2A-CGA-CBA	3.55	122.67	111.83
17	F	201	BCR	C7-C8-C9	-3.55	120.98	126.23
14	L	201	CLA	O1D-CGD-CBD	-3.55	117.52	124.52
14	G	806	CLA	C3D-C4D-ND	3.55	115.76	109.99
14	G	815	CLA	C3D-C4D-ND	3.55	115.76	109.99
14	B	810	CLA	O2A-CGA-CBA	3.55	122.66	111.83
18	H	847	LHG	O7-C7-C8	3.55	119.16	111.48
14	H	802	CLA	CHB-C4A-NA	3.55	129.52	124.40
17	i	101	BCR	C15-C14-C13	-3.55	122.30	127.28
14	Y	841	CLA	O2A-CGA-CBA	3.55	122.65	111.83
14	Y	819	CLA	C1-C2-C3	-3.55	120.39	126.20
14	Z	826	CLA	O2A-CGA-CBA	3.55	122.64	111.83
14	B	817	CLA	O1D-CGD-CBD	-3.54	117.53	124.52
14	H	814	CLA	C2B-C1B-NB	3.54	114.00	110.33
17	H	848	BCR	C36-C18-C17	-3.54	117.07	122.82
17	H	845	BCR	C34-C9-C8	3.54	123.50	118.09
14	H	801	CLA	CMB-C2B-C1B	3.54	130.81	125.42
14	A	841	CLA	C3D-C4D-ND	3.54	115.75	109.99
14	A	815	CLA	CHD-C1D-ND	-3.54	119.82	124.80
14	Y	804	CLA	C4D-C3D-CAD	3.54	111.95	108.11
14	G	829	CLA	O2A-C1-C2	3.54	121.74	108.11
14	Y	814	CLA	CMA-C3A-C4A	3.54	121.29	111.77
14	B	840	CLA	C1-O2A-CGA	3.54	125.22	116.65
14	A	841	CLA	CMA-C3A-C4A	3.54	121.29	111.77
14	U	1002	CLA	C3C-C4C-NC	3.54	114.96	110.43
14	Z	823	CLA	C4D-C3D-CAD	3.54	111.95	108.11
14	Y	822	CLA	O2D-CGD-O1D	-3.54	116.96	123.85
17	f	105	BCR	C23-C22-C21	3.54	124.57	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	825	CLA	C3D-C4D-ND	3.54	115.74	109.99
14	Y	832	CLA	CED-O2D-CGD	3.54	123.94	115.92
14	A	837	CLA	CMA-C3A-C4A	3.54	121.28	111.77
14	J	101	CLA	O2D-CGD-O1D	-3.53	116.97	123.85
17	Z	842	BCR	C39-C30-C25	-3.53	104.70	110.24
17	B	851	BCR	C4-C5-C6	-3.53	117.93	122.70
15	G	844	PQN	C11-C12-C13	-3.53	120.74	126.83
17	Y	849	BCR	C24-C23-C22	-3.53	121.01	126.23
17	Y	848	BCR	C36-C18-C17	-3.53	117.09	122.82
14	Z	835	CLA	C2B-C1B-NB	3.53	113.99	110.33
14	A	826	CLA	CHD-C1D-ND	-3.53	119.83	124.80
17	U	1008	BCR	C3-C4-C5	-3.53	107.76	114.06
14	H	837	CLA	CAC-C3C-C4C	3.53	129.38	124.79
17	Y	851	BCR	C37-C22-C23	3.53	123.48	118.09
14	H	825	CLA	O2A-CGA-CBA	3.53	122.59	111.83
14	B	812	CLA	C2B-C1B-NB	3.53	113.98	110.33
14	A	822	CLA	CMA-C3A-C4A	3.52	121.25	111.77
14	Z	807	CLA	O1D-CGD-CBD	-3.52	117.57	124.52
17	F	201	BCR	C37-C22-C21	-3.52	117.11	122.82
14	d	202	CLA	CMA-C3A-C4A	3.52	121.24	111.77
14	G	812	CLA	C4A-NA-C1A	3.52	108.29	106.68
14	A	804	CLA	O2A-CGA-CBA	3.52	122.57	111.83
17	J	103	BCR	C37-C22-C21	-3.52	117.11	122.82
14	A	821	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	B	809	CLA	OBD-CAD-C3D	-3.52	120.19	128.42
14	G	816	CLA	CAC-C3C-C4C	3.52	129.37	124.79
14	L	206	CLA	C2B-C1B-NB	3.52	113.98	110.33
14	Y	810	CLA	C2B-C1B-NB	3.52	113.98	110.33
14	G	838	CLA	CHD-C1D-ND	-3.52	119.85	124.80
14	B	836	CLA	OBD-CAD-C3D	-3.52	120.19	128.42
17	U	1008	BCR	C34-C9-C10	-3.52	117.12	122.82
17	I	101	BCR	C1-C6-C5	-3.52	117.83	122.64
14	A	803	CLA	CAC-C3C-C4C	3.52	129.37	124.79
14	A	809	CLA	C3D-C4D-ND	3.52	115.70	109.99
14	B	834	CLA	C2B-C1B-NB	3.52	113.97	110.33
14	H	801	CLA	O2A-C1-C2	3.51	121.63	108.11
17	B	845	BCR	C37-C22-C23	3.51	123.46	118.09
14	H	816	CLA	CMA-C3A-C4A	3.51	121.22	111.77
14	G	814	CLA	C1-O2A-CGA	3.51	125.16	116.65
14	B	835	CLA	O2A-CGA-CBA	3.51	125.10	114.00
14	H	809	CLA	C4D-C3D-CAD	3.51	111.92	108.11
14	Y	839	CLA	CMC-C2C-C1C	3.51	130.52	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	838	CLA	O2D-CGD-O1D	-3.51	117.01	123.85
14	Y	819	CLA	O2A-CGA-CBA	3.51	122.54	111.83
17	G	847	BCR	C23-C24-C25	-3.51	117.62	127.00
14	Y	832	CLA	C2B-C1B-NB	3.51	113.97	110.33
13	A	801	CL0	CMC-C2C-C1C	3.51	130.52	125.03
14	A	820	CLA	C4D-C3D-CAD	3.51	111.92	108.11
14	Z	832	CLA	CED-O2D-CGD	3.51	123.87	115.92
14	B	804	CLA	CAC-C3C-C4C	3.51	129.35	124.79
14	Y	827	CLA	CMA-C3A-C4A	3.51	121.20	111.77
14	H	809	CLA	C1-O2A-CGA	3.51	125.14	116.65
14	A	823	CLA	CHD-C1D-ND	-3.51	119.87	124.80
14	H	830	CLA	O2A-CGA-CBA	3.51	122.52	111.83
17	A	846	BCR	C23-C22-C21	3.50	124.52	119.01
14	Z	810	CLA	O2D-CGD-CBD	3.50	117.36	111.23
14	H	836	CLA	CMB-C2B-C1B	3.50	130.75	125.42
14	G	810	CLA	CMA-C3A-C4A	3.50	121.19	111.77
14	Z	804	CLA	C2B-C1B-NB	3.50	113.96	110.33
14	Z	829	CLA	C4D-C3D-CAD	3.50	111.91	108.11
14	Z	806	CLA	CED-O2D-CGD	3.50	123.86	115.92
14	Z	804	CLA	CMC-C2C-C1C	3.50	130.50	125.03
14	Y	820	CLA	C2B-C1B-NB	3.50	113.95	110.33
14	g	101	CLA	CAC-C3C-C4C	3.50	129.34	124.79
17	K	102	BCR	C15-C14-C13	-3.50	122.37	127.28
14	Y	840	CLA	C4D-C3D-CAD	3.50	111.91	108.11
14	B	831	CLA	CMB-C2B-C1B	3.50	130.75	125.42
17	U	1008	BCR	C23-C24-C25	-3.50	117.66	127.00
14	H	810	CLA	C3D-C4D-ND	3.50	115.67	109.99
14	Y	843	CLA	C1-O2A-CGA	3.50	125.11	116.65
14	G	803	CLA	C2B-C1B-NB	3.49	113.95	110.33
17	B	844	BCR	C36-C18-C17	-3.49	117.16	122.82
14	J	102	CLA	CMC-C2C-C1C	3.49	130.49	125.03
14	A	809	CLA	CMD-C2D-C3D	-3.49	119.68	127.69
14	Y	834	CLA	O2A-CGA-CBA	3.49	122.49	111.83
14	B	814	CLA	C3D-C4D-ND	3.49	115.66	109.99
14	Z	816	CLA	O2A-C1-C2	3.49	121.55	108.11
17	i	101	BCR	C34-C9-C10	-3.49	117.16	122.82
14	G	805	CLA	O2A-C1-C2	3.49	121.54	108.11
14	G	843	CLA	O2A-C1-C2	3.49	121.54	108.11
14	G	807	CLA	CMC-C2C-C1C	3.49	130.49	125.03
14	Y	833	CLA	O2A-CGA-O1A	-3.49	114.90	123.63
14	B	804	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
17	G	854	BCR	C28-C27-C26	-3.49	107.84	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	101	CLA	C3D-C4D-ND	3.49	115.65	109.99
14	G	853	CLA	CHD-C1D-ND	-3.49	119.90	124.80
14	A	816	CLA	C1-O2A-CGA	3.49	125.09	116.65
14	B	803	CLA	C3D-C4D-ND	3.49	115.65	109.99
14	G	809	CLA	CAC-C3C-C4C	3.49	129.32	124.79
14	X	1701	CLA	C4D-C3D-CAD	3.48	111.89	108.11
14	B	820	CLA	C4D-C3D-CAD	3.48	111.89	108.11
14	H	820	CLA	C2B-C1B-NB	3.48	113.94	110.33
17	f	103	BCR	C30-C25-C26	-3.48	117.88	122.64
14	A	840	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	L	206	CLA	C1-O2A-CGA	3.48	125.08	116.65
14	G	813	CLA	O2A-CGA-O1A	-3.48	114.92	123.63
17	B	848	BCR	C15-C14-C13	-3.48	122.40	127.28
14	Y	806	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	Z	837	CLA	CMB-C2B-C1B	3.48	130.72	125.42
14	B	819	CLA	C4D-C3D-CAD	3.48	111.89	108.11
14	B	830	CLA	C4D-C3D-CAD	3.48	111.89	108.11
14	G	837	CLA	O2A-CGA-CBA	3.48	122.44	111.83
17	Y	851	BCR	C40-C30-C25	3.48	115.70	110.24
14	G	831	CLA	OBD-CAD-C3D	-3.48	120.29	128.42
14	H	832	CLA	C2D-C1D-ND	3.48	113.57	110.13
17	Y	847	BCR	C30-C25-C24	3.48	125.08	115.65
17	Z	843	BCR	C7-C8-C9	-3.48	121.09	126.23
14	H	829	CLA	O2D-CGD-O1D	-3.47	117.08	123.85
14	Y	805	CLA	C1-C2-C3	-3.47	120.50	126.20
14	A	830	CLA	O2A-C1-C2	3.47	121.47	108.11
14	S	1103	CLA	C4D-C3D-CAD	3.47	111.88	108.11
17	R	102	BCR	C34-C9-C10	-3.47	117.19	122.82
14	Y	812	CLA	C4-C3-C5	3.47	121.25	115.23
14	Z	814	CLA	CHD-C1D-ND	-3.47	119.92	124.80
14	B	828	CLA	C3D-C4D-ND	3.47	115.63	109.99
14	G	842	CLA	C4-C3-C5	3.47	121.25	115.23
14	A	804	CLA	O2A-C1-C2	3.47	121.46	108.11
17	H	844	BCR	C1-C6-C7	3.47	125.06	115.65
14	Q	201	CLA	C4D-C3D-CAD	3.47	111.87	108.11
14	B	821	CLA	O1D-CGD-CBD	-3.47	117.68	124.52
14	G	823	CLA	CHD-C1D-ND	-3.47	119.92	124.80
14	Y	802	CLA	C2B-C1B-NB	3.47	113.92	110.33
14	Y	816	CLA	CMA-C3A-C4A	3.47	121.09	111.77
14	H	808	CLA	CHD-C1D-ND	-3.47	119.92	124.80
14	Y	826	CLA	C2B-C1B-NB	3.47	113.92	110.33
14	B	811	CLA	O2A-CGA-CBA	3.47	122.40	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	I	101	BCR	C7-C8-C9	-3.46	121.11	126.23
14	Z	804	CLA	CMD-C2D-C3D	-3.46	119.74	127.69
14	B	823	CLA	O2A-CGA-CBA	3.46	122.40	111.83
18	G	851	LHG	O8-C23-C24	3.46	122.40	111.83
14	Z	812	CLA	C2B-C1B-NB	3.46	113.92	110.33
14	H	810	CLA	O2A-CGA-CBA	3.46	122.39	111.83
14	A	818	CLA	C4D-C3D-CAD	3.46	111.87	108.11
14	h	201	CLA	O2D-CGD-CBD	3.46	117.28	111.23
14	Y	809	CLA	CMD-C2D-C3D	-3.46	119.75	127.69
17	B	847	BCR	C8-C7-C6	-3.46	117.75	127.00
14	B	827	CLA	OBD-CAD-C3D	-3.46	120.33	128.42
17	B	845	BCR	C1-C6-C7	3.46	125.03	115.65
14	Y	807	CLA	O2A-C1-C2	3.46	121.42	108.11
14	G	804	CLA	C4D-C3D-CAD	3.46	111.86	108.11
14	Y	805	CLA	O2A-CGA-O1A	-3.46	114.98	123.63
14	G	814	CLA	CAC-C3C-C4C	3.46	129.29	124.79
17	S	1104	BCR	C37-C22-C23	3.46	123.37	118.09
14	Z	809	CLA	O2A-CGA-CBA	3.46	122.37	111.83
14	G	815	CLA	O2A-CGA-CBA	3.46	122.37	111.83
14	A	835	CLA	C2B-C1B-NB	3.46	113.91	110.33
14	Y	802	CLA	O2D-CGD-CBD	3.46	117.27	111.23
14	G	840	CLA	C3D-C4D-ND	3.45	115.60	109.99
14	H	837	CLA	O2A-CGA-O1A	-3.45	114.99	123.63
17	Y	851	BCR	C39-C30-C25	-3.45	104.83	110.24
14	B	836	CLA	CMB-C2B-C1B	3.45	130.68	125.42
17	G	847	BCR	C36-C18-C17	-3.45	117.22	122.82
13	Y	801	CL0	CED-O2D-CGD	3.45	123.75	115.92
14	j	102	CLA	O2A-CGA-CBA	3.45	124.91	114.00
14	G	815	CLA	O2A-C1-C2	3.45	121.39	108.11
14	B	827	CLA	C4D-C3D-CAD	3.45	111.85	108.11
14	A	811	CLA	CMA-C3A-C4A	3.45	121.05	111.77
14	B	832	CLA	O2A-CGA-CBA	3.45	122.35	111.83
14	A	835	CLA	O2D-CGD-O1D	-3.45	117.14	123.85
14	G	834	CLA	O2A-C1-C2	3.45	121.38	108.11
14	Y	808	CLA	CMA-C3A-C4A	3.45	121.04	111.77
14	K	101	CLA	O2A-CGA-CBA	3.45	124.89	114.00
17	V	1202	BCR	C1-C6-C7	3.45	125.00	115.65
14	Z	801	CLA	O2A-CGA-CBA	3.45	122.35	111.83
14	Y	835	CLA	CMC-C2C-C1C	3.45	130.42	125.03
14	A	840	CLA	CHD-C1D-ND	-3.45	119.95	124.80
14	A	841	CLA	O2A-CGA-CBA	3.45	122.34	111.83
14	Y	841	CLA	C1-O2A-CGA	3.45	124.99	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	826	CLA	C3D-C4D-ND	3.45	115.59	109.99
14	G	828	CLA	OBD-CAD-C3D	-3.45	120.36	128.42
14	Y	829	CLA	C2B-C1B-NB	3.45	113.90	110.33
14	Z	814	CLA	C3D-C4D-ND	3.45	115.59	109.99
14	B	832	CLA	C4D-C3D-CAD	3.44	111.85	108.11
14	j	102	CLA	CHD-C1D-ND	-3.44	119.95	124.80
17	H	844	BCR	C40-C30-C25	3.44	115.64	110.24
14	Y	830	CLA	O2A-C1-C2	3.44	121.36	108.11
14	A	821	CLA	C4A-NA-C1A	3.44	108.25	106.68
14	G	840	CLA	C4A-NA-C1A	3.44	108.25	106.68
14	B	805	CLA	O2A-C1-C2	3.44	121.35	108.11
14	G	833	CLA	CMB-C2B-C1B	3.44	130.66	125.42
14	Y	821	CLA	C3D-C4D-ND	3.44	115.58	109.99
14	Z	825	CLA	C1C-C2C-C3C	-3.44	103.36	106.98
14	Z	834	CLA	C4D-C3D-CAD	3.44	111.84	108.11
14	A	815	CLA	O2A-C1-C2	3.44	121.34	108.11
14	A	815	CLA	CGD-CBD-CAD	-3.44	99.72	110.85
14	Z	819	CLA	CMC-C2C-C1C	3.44	130.41	125.03
14	U	1006	CLA	CGD-CBD-CAD	-3.44	99.72	110.85
14	A	816	CLA	C3D-C4D-ND	3.44	115.57	109.99
14	B	822	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	H	828	CLA	C2B-C1B-NB	3.43	113.89	110.33
14	A	841	CLA	C4A-NA-C1A	3.43	108.25	106.68
14	Z	812	CLA	CMC-C2C-C1C	3.43	130.40	125.03
14	Y	808	CLA	C2B-C1B-NB	3.43	113.89	110.33
14	B	820	CLA	O2A-CGA-CBA	3.43	124.84	114.00
14	G	822	CLA	C4D-C3D-CAD	3.43	111.83	108.11
14	Y	835	CLA	O2D-CGD-O1D	-3.43	117.17	123.85
17	U	1007	BCR	C37-C22-C23	3.43	123.33	118.09
14	A	809	CLA	CHD-C1D-ND	-3.43	119.98	124.80
17	K	102	BCR	C30-C25-C26	-3.43	117.95	122.64
17	Y	847	BCR	C7-C8-C9	-3.43	121.17	126.23
14	H	820	CLA	C3D-C4D-ND	3.43	115.56	109.99
14	Z	834	CLA	CAC-C3C-C4C	3.43	129.25	124.79
17	Y	851	BCR	C24-C23-C22	-3.43	121.17	126.23
14	G	802	CLA	CGD-CBD-CAD	3.42	121.93	110.85
17	M	101	BCR	C33-C5-C6	-3.42	120.75	124.48
14	A	836	CLA	O2A-CGA-CBA	3.42	122.28	111.83
17	A	847	BCR	C30-C25-C24	3.42	124.94	115.65
14	T	103	CLA	O2A-CGA-CBA	3.42	124.82	114.00
14	H	811	CLA	CMA-C3A-C4A	3.42	120.97	111.77
14	G	833	CLA	C1-C2-C3	-3.42	120.59	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	855	CLA	C16-C15-C13	-3.42	104.59	115.97
14	Y	803	CLA	CAC-C3C-C4C	3.42	129.24	124.79
14	g	102	CLA	O2A-CGA-CBA	3.42	124.81	114.00
17	Z	845	BCR	C1-C6-C5	-3.42	117.96	122.64
17	A	845	BCR	C34-C9-C8	3.42	123.31	118.09
14	J	102	CLA	CMA-C3A-C4A	3.42	120.97	111.77
14	Z	817	CLA	C4A-NA-C1A	3.42	108.24	106.68
17	d	203	BCR	C7-C8-C9	-3.42	121.18	126.23
14	Z	817	CLA	C3D-C4D-ND	3.42	115.54	109.99
14	Y	813	CLA	CHD-C1D-ND	-3.42	119.99	124.80
14	Z	804	CLA	CHD-C1D-ND	-3.42	119.99	124.80
14	U	1003	CLA	O2A-CGA-CBA	3.42	122.25	111.83
17	f	103	BCR	C37-C22-C21	-3.42	117.28	122.82
14	Z	827	CLA	C3D-C4D-ND	3.41	115.54	109.99
14	G	815	CLA	CHD-C1D-ND	-3.41	120.00	124.80
14	A	815	CLA	C4D-C3D-CAD	3.41	111.81	108.11
14	Y	817	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	H	808	CLA	O2A-CGA-CBA	3.41	122.24	111.83
14	H	825	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	Z	801	CLA	O2A-C1-C2	3.41	121.24	108.11
14	Y	805	CLA	CHD-C1D-ND	-3.41	120.00	124.80
14	H	809	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	Y	802	CLA	O2A-CGA-CBA	3.41	122.23	111.83
14	G	802	CLA	C3D-C4D-ND	3.41	115.53	109.99
14	X	1701	CLA	O2A-CGA-CBA	3.41	124.77	114.00
14	A	802	CLA	O1D-CGD-CBD	-3.41	117.79	124.52
14	Z	819	CLA	O2A-CGA-CBA	3.41	124.77	114.00
14	B	833	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	H	818	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	H	832	CLA	CMA-C3A-C4A	3.41	120.93	111.77
14	H	827	CLA	CHD-C1D-ND	-3.41	120.01	124.80
14	B	803	CLA	CHB-C4A-NA	3.41	129.32	124.40
17	A	846	BCR	C36-C18-C19	-3.41	112.88	118.09
14	A	810	CLA	C3D-C4D-ND	3.41	115.52	109.99
14	Y	804	CLA	CMC-C2C-C1C	3.41	130.36	125.03
14	G	809	CLA	C3D-C4D-ND	3.41	115.52	109.99
14	Y	807	CLA	C4D-C3D-CAD	3.40	111.80	108.11
14	Y	837	CLA	CHD-C1D-ND	-3.40	120.01	124.80
17	H	840	BCR	C37-C22-C23	3.40	123.29	118.09
17	J	104	BCR	C31-C1-C6	-3.40	104.91	110.24
14	Z	812	CLA	C3D-C4D-ND	3.40	115.52	109.99
17	Y	847	BCR	C38-C26-C27	3.40	120.85	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	802	CLA	OBD-CAD-C3D	-3.40	120.47	128.42
17	A	846	BCR	C24-C25-C26	-3.40	113.72	121.56
14	G	829	CLA	O2A-CGA-CBA	3.40	122.20	111.83
14	Y	813	CLA	C2B-C1B-NB	3.40	113.85	110.33
14	A	816	CLA	CHD-C1D-ND	-3.40	120.02	124.80
17	Y	851	BCR	C33-C5-C4	3.40	120.84	113.60
14	h	207	CLA	O2D-CGD-O1D	-3.40	117.23	123.85
14	H	823	CLA	C4D-C3D-CAD	3.40	111.80	108.11
14	H	803	CLA	C3D-C4D-ND	3.40	115.51	109.99
17	B	844	BCR	C23-C22-C21	-3.40	113.66	119.01
14	B	801	CLA	CHB-C4A-NA	3.40	129.30	124.40
14	H	833	CLA	O2A-CGA-CBA	3.40	124.73	114.00
14	A	830	CLA	CAC-C3C-C4C	3.40	129.21	124.79
14	h	201	CLA	CAC-C3C-C4C	3.40	129.21	124.79
14	Y	841	CLA	C2B-C1B-NB	3.40	113.85	110.33
14	Z	825	CLA	O1D-CGD-CBD	-3.39	117.82	124.52
14	T	101	CLA	C2B-C1B-NB	3.39	113.85	110.33
14	Y	833	CLA	C1-C2-C3	-3.39	120.64	126.20
14	G	821	CLA	O2A-C1-C2	3.39	121.17	108.11
14	B	835	CLA	CMA-C3A-C4A	3.39	120.89	111.77
14	A	841	CLA	C1-C2-C3	-3.39	120.64	126.20
14	G	817	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	B	840	CLA	CMA-C3A-C4A	3.39	120.89	111.77
17	Z	842	BCR	C36-C18-C19	-3.39	112.91	118.09
14	B	816	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	G	839	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	Z	836	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	A	820	CLA	C4-C3-C5	3.39	121.11	115.23
17	Y	850	BCR	C37-C22-C21	-3.39	117.33	122.82
14	A	822	CLA	CHD-C1D-ND	-3.39	120.03	124.80
14	Y	833	CLA	O2A-C1-C2	3.39	121.14	108.11
17	H	843	BCR	C24-C23-C22	-3.39	121.22	126.23
14	Y	805	CLA	CBC-CAC-C3C	-3.39	103.24	112.42
14	d	201	CLA	C1-O2A-CGA	3.39	124.85	116.65
14	H	808	CLA	O2D-CGD-CBD	3.39	117.15	111.23
15	B	842	PQN	C2M-C2-C3	-3.38	118.89	124.45
14	A	834	CLA	O2A-CGA-CBA	3.38	122.16	111.83
14	Y	814	CLA	C4A-NA-C1A	3.38	108.22	106.68
14	G	837	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	Z	823	CLA	C1-O2A-CGA	3.38	124.84	116.65
17	U	1005	BCR	C36-C18-C19	-3.38	112.92	118.09
14	U	1006	CLA	CMB-C2B-C1B	3.38	130.57	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	817	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	Z	830	CLA	CMA-C3A-C4A	3.38	120.86	111.77
14	B	826	CLA	OBD-CAD-C3D	-3.38	120.51	128.42
17	h	203	BCR	C15-C14-C13	-3.38	122.54	127.28
14	Y	828	CLA	C2C-C1C-NC	3.38	113.53	109.98
14	A	821	CLA	O2D-CGD-O1D	-3.38	117.27	123.85
14	U	1004	CLA	O2D-CGD-O1D	-3.38	117.27	123.85
14	G	839	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	H	804	CLA	CMB-C2B-C1B	3.38	130.56	125.42
14	Z	809	CLA	CMB-C2B-C1B	3.38	130.56	125.42
14	Z	807	CLA	O2A-C1-C2	3.38	121.11	108.11
14	A	840	CLA	O2A-CGA-CBA	3.38	122.13	111.83
14	B	827	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	Q	201	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	A	837	CLA	O2A-CGA-CBA	3.37	122.12	111.83
14	Y	835	CLA	O2A-CGA-CBA	3.37	122.12	111.83
14	B	841	CLA	C3D-C4D-ND	3.37	115.47	109.99
14	B	805	CLA	CAC-C3C-C4C	3.37	129.18	124.79
14	A	828	CLA	C1-C2-C3	-3.37	120.67	126.20
14	G	836	CLA	O2A-CGA-CBA	3.37	122.11	111.83
14	B	809	CLA	C3D-C4D-ND	3.37	115.47	109.99
14	H	817	CLA	C3D-C4D-ND	3.37	115.46	109.99
14	B	817	CLA	CAC-C3C-C4C	3.37	129.17	124.79
14	A	815	CLA	C3D-C4D-ND	3.37	115.46	109.99
14	H	819	CLA	O2A-CGA-CBA	3.37	124.64	114.00
14	L	205	CLA	C3D-C4D-ND	3.37	115.46	109.99
14	Z	826	CLA	O2D-CGD-O1D	-3.37	117.29	123.85
14	G	809	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	A	825	CLA	O2A-C1-C2	3.37	121.06	108.11
14	B	819	CLA	C2B-C1B-NB	3.37	113.82	110.33
14	A	824	CLA	O2D-CGD-CBD	3.37	117.11	111.23
14	h	207	CLA	O2A-C1-C2	3.37	121.06	108.11
14	j	102	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	Y	802	CLA	OBD-CAD-C3D	-3.36	120.56	128.42
14	V	1201	CLA	C3D-C4D-ND	3.36	115.45	109.99
14	H	835	CLA	CHD-C1D-ND	-3.36	120.07	124.80
17	B	843	BCR	C3-C4-C5	-3.36	108.07	114.06
14	A	831	CLA	O2A-CGA-CBA	3.36	122.08	111.83
14	G	805	CLA	C3D-C4D-ND	3.36	115.45	109.99
14	G	817	CLA	C4A-NA-C1A	3.36	108.21	106.68
14	G	853	CLA	C3D-C4D-ND	3.36	115.44	109.99
14	G	837	CLA	C3D-C4D-ND	3.36	115.44	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	831	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	H	811	CLA	C2B-C1B-NB	3.36	113.81	110.33
14	G	826	CLA	C3D-C4D-ND	3.36	115.44	109.99
14	A	808	CLA	CMC-C2C-C1C	3.36	130.28	125.03
14	H	832	CLA	CMD-C2D-C3D	-3.36	119.99	127.69
17	Q	204	BCR	C38-C26-C27	3.36	120.75	113.60
14	Y	819	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	Y	835	CLA	O2A-C1-C2	3.35	121.02	108.11
14	G	841	CLA	O2A-C1-C2	3.35	121.02	108.11
14	H	815	CLA	C2B-C1B-NB	3.35	113.80	110.33
14	H	802	CLA	CAA-C2A-C1A	3.35	122.96	111.97
14	B	832	CLA	C3D-C4D-ND	3.35	115.44	109.99
14	G	840	CLA	O2A-CGA-CBA	3.35	122.06	111.83
17	f	104	BCR	C1-C6-C7	3.35	124.74	115.65
17	G	854	BCR	C38-C26-C25	-3.35	120.83	124.48
14	A	830	CLA	O2A-CGA-CBA	3.35	122.06	111.83
14	H	810	CLA	CHD-C1D-ND	-3.35	120.08	124.80
17	H	844	BCR	C34-C9-C10	-3.35	117.39	122.82
14	Y	811	CLA	C2B-C1B-NB	3.35	113.80	110.33
14	Y	838	CLA	C2B-C1B-NB	3.35	113.80	110.33
17	J	103	BCR	C15-C14-C13	-3.35	122.58	127.28
14	B	802	CLA	O2A-CGA-CBA	3.35	122.05	111.83
14	Y	843	CLA	O2D-CGD-O1D	-3.35	117.33	123.85
17	f	104	BCR	C34-C9-C8	3.35	123.20	118.09
14	Y	827	CLA	C3C-C4C-NC	3.35	114.72	110.43
14	B	841	CLA	CHD-C1D-ND	-3.35	120.09	124.80
14	A	805	CLA	C3D-C4D-ND	3.35	115.42	109.99
14	A	811	CLA	C1-O2A-CGA	3.35	124.75	116.65
14	A	832	CLA	O2A-CGA-CBA	3.34	122.03	111.83
14	B	807	CLA	CAA-C2A-C3A	-3.34	103.96	113.00
14	G	805	CLA	C2B-C1B-NB	3.34	113.79	110.33
14	H	836	CLA	O2D-CGD-O1D	-3.34	117.34	123.85
14	Z	816	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	H	822	CLA	CED-O2D-CGD	3.34	123.50	115.92
14	G	824	CLA	C3D-C4D-ND	3.34	115.42	109.99
14	B	833	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	A	837	CLA	C4D-C3D-CAD	3.34	111.73	108.11
14	G	830	CLA	CMA-C3A-C4A	3.34	120.74	111.77
14	B	826	CLA	O2A-CGA-CBA	3.34	122.01	111.83
14	A	824	CLA	C2B-C1B-NB	3.34	113.79	110.33
14	Y	814	CLA	C2B-C1B-NB	3.34	113.79	110.33
14	B	807	CLA	CHB-C4A-NA	3.34	129.22	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	822	CLA	C3D-C4D-ND	3.34	115.41	109.99
14	Y	811	CLA	O2A-C1-C2	3.33	120.94	108.11
14	A	807	CLA	C2B-C1B-NB	3.33	113.78	110.33
14	g	101	CLA	C2B-C1B-NB	3.33	113.78	110.33
14	B	812	CLA	O2D-CGD-O1D	-3.33	117.36	123.85
14	A	839	CLA	CMB-C2B-C1B	3.33	130.49	125.42
13	G	801	CL0	C1-C2-C3	-3.33	120.74	126.20
17	V	1202	BCR	C30-C25-C26	-3.33	118.08	122.64
14	H	818	CLA	CHD-C1D-ND	-3.33	120.12	124.80
14	H	836	CLA	CMC-C2C-C1C	3.33	130.24	125.03
14	A	805	CLA	O2A-C1-C2	3.33	120.92	108.11
14	Y	832	CLA	C3D-C4D-ND	3.33	115.40	109.99
14	Y	854	CLA	OBD-CAD-C3D	-3.33	120.64	128.42
14	G	804	CLA	CHD-C1D-ND	-3.33	120.12	124.80
17	Y	856	BCR	C8-C7-C6	-3.33	118.11	127.00
14	H	837	CLA	O2A-C1-C2	3.33	120.91	108.11
14	Z	806	CLA	O2A-CGA-CBA	3.33	121.97	111.83
14	Z	830	CLA	CMB-C2B-C1B	3.32	130.48	125.42
14	Y	808	CLA	O2D-CGD-O1D	-3.32	117.38	123.85
14	Y	818	CLA	C1-C2-C3	-3.32	120.75	126.20
17	A	848	BCR	C7-C8-C9	-3.32	121.32	126.23
14	Z	806	CLA	C3D-C4D-ND	3.32	115.39	109.99
14	G	823	CLA	CMC-C2C-C1C	3.32	130.22	125.03
17	B	851	BCR	C2-C1-C6	3.32	115.26	110.44
14	Z	837	CLA	C3D-C4D-ND	3.32	115.39	109.99
14	H	803	CLA	C2B-C1B-NB	3.32	113.77	110.33
14	A	825	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	A	826	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	G	807	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	Y	839	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	A	818	CLA	C1C-C2C-C3C	-3.32	103.49	106.98
14	Y	838	CLA	O2A-C1-C2	3.32	120.88	108.11
14	Z	829	CLA	C2B-C1B-NB	3.32	113.77	110.33
14	Z	827	CLA	CBC-CAC-C3C	-3.32	103.43	112.42
14	G	820	CLA	C2B-C1B-NB	3.32	113.77	110.33
13	A	801	CL0	C1D-ND-C4D	-3.32	103.98	106.31
14	G	809	CLA	CMA-C3A-C4A	3.32	120.69	111.77
14	B	806	CLA	O2A-CGA-CBA	3.31	121.94	111.83
14	H	834	CLA	C3D-C4D-ND	3.31	115.37	109.99
14	A	810	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
14	B	838	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
14	Y	813	CLA	O2A-CGA-CBA	3.31	121.93	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	829	CLA	CAC-C3C-C4C	3.31	129.10	124.79
14	Z	824	CLA	O2A-CGA-CBA	3.31	121.93	111.83
14	Z	806	CLA	CAC-C3C-C4C	3.31	129.10	124.79
14	Z	813	CLA	O1D-CGD-CBD	-3.31	117.99	124.52
14	Z	827	CLA	C2B-C1B-NB	3.31	113.76	110.33
14	A	836	CLA	C3D-C4D-ND	3.31	115.37	109.99
14	Z	823	CLA	O2D-CGD-O1D	-3.31	117.41	123.85
14	A	840	CLA	C3D-C4D-ND	3.31	115.36	109.99
14	Z	838	CLA	C3D-C4D-ND	3.31	115.36	109.99
17	h	203	BCR	C40-C30-C25	-3.30	105.06	110.24
14	Z	830	CLA	O2D-CGD-O1D	-3.30	117.42	123.85
14	B	835	CLA	C3D-C4D-ND	3.30	115.36	109.99
14	Z	801	CLA	CAA-C2A-C3A	-3.30	104.07	113.00
17	H	840	BCR	C34-C9-C10	-3.30	117.46	122.82
14	Y	822	CLA	O2A-C1-C2	3.30	120.82	108.11
17	G	847	BCR	C7-C8-C9	-3.30	121.35	126.23
14	A	831	CLA	CMD-C2D-C3D	-3.30	120.12	127.69
14	A	823	CLA	O2A-C1-C2	3.30	120.81	108.11
14	K	103	CLA	C3D-C4D-ND	3.30	115.35	109.99
14	G	822	CLA	O2A-C1-C2	3.30	120.81	108.11
14	Y	806	CLA	CAA-C2A-C3A	-3.30	104.08	113.00
13	Y	801	CL0	O2A-CGA-CBA	3.30	121.89	111.83
14	B	814	CLA	O2A-C1-C2	3.30	120.80	108.11
14	Z	819	CLA	CED-O2D-CGD	3.30	123.40	115.92
17	B	846	BCR	C39-C30-C25	-3.30	105.07	110.24
14	A	804	CLA	CHD-C1D-ND	-3.30	120.16	124.80
17	Z	844	BCR	C39-C30-C25	-3.30	105.08	110.24
14	A	834	CLA	C3D-C4D-ND	3.30	115.34	109.99
14	G	853	CLA	C2B-C1B-NB	3.29	113.74	110.33
14	B	801	CLA	CHD-C1D-ND	-3.29	120.17	124.80
17	e	101	BCR	C34-C9-C10	-3.29	117.48	122.82
14	Z	810	CLA	CED-O2D-CGD	3.29	123.39	115.92
14	B	801	CLA	C3D-C4D-ND	3.29	115.34	109.99
14	A	828	CLA	CMC-C2C-C1C	3.29	130.18	125.03
14	Z	809	CLA	CHD-C1D-ND	-3.29	120.17	124.80
14	F	202	CLA	O2A-CGA-CBA	3.29	124.40	114.00
17	U	1008	BCR	C7-C8-C9	-3.29	121.36	126.23
14	H	818	CLA	C3D-C4D-ND	3.29	115.34	109.99
14	H	818	CLA	O2A-C1-C2	3.29	120.77	108.11
14	S	1103	CLA	CMC-C2C-C1C	3.29	130.18	125.03
14	U	1002	CLA	OBD-CAD-C3D	-3.29	120.73	128.42
14	Y	816	CLA	O2D-CGD-O1D	-3.29	117.45	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	K	102	BCR	C37-C22-C23	3.29	123.11	118.09
14	Y	823	CLA	O2D-CGD-O1D	-3.29	117.45	123.85
14	G	821	CLA	C3D-C4D-ND	3.29	115.33	109.99
14	Z	834	CLA	O2A-CGA-CBA	3.29	124.38	114.00
14	A	837	CLA	CHD-C1D-ND	-3.29	120.18	124.80
14	A	827	CLA	C3D-C4D-ND	3.29	115.33	109.99
14	Y	840	CLA	CMC-C2C-C1C	3.29	130.17	125.03
14	Y	837	CLA	C4D-C3D-CAD	3.29	111.67	108.11
14	Z	804	CLA	O2A-C1-C2	3.29	120.75	108.11
14	Z	838	CLA	CMA-C3A-C4A	3.28	120.60	111.77
14	S	1103	CLA	CMA-C3A-C4A	3.28	120.60	111.77
14	Y	837	CLA	C3D-C4D-ND	3.28	115.33	109.99
14	A	852	CLA	O1D-CGD-CBD	-3.28	118.04	124.52
14	B	802	CLA	C3D-C4D-ND	3.28	115.32	109.99
14	Y	803	CLA	C2B-C1B-NB	3.28	113.73	110.33
14	T	101	CLA	O2A-CGA-CBA	3.28	124.37	114.00
14	B	825	CLA	C4-C3-C5	3.28	120.92	115.23
14	G	830	CLA	O2A-C1-C2	3.28	120.74	108.11
14	Z	835	CLA	C3D-C4D-ND	3.28	115.32	109.99
17	G	850	BCR	C37-C22-C23	3.28	123.10	118.09
14	A	841	CLA	CAA-C2A-C3A	-3.28	104.14	113.00
14	Y	837	CLA	CMC-C2C-C1C	3.28	130.16	125.03
14	H	838	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	H	811	CLA	CMB-C2B-C1B	3.28	130.41	125.42
14	B	812	CLA	CMD-C2D-C3D	-3.28	120.18	127.69
14	H	824	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	H	816	CLA	CMC-C2C-C1C	3.28	130.15	125.03
17	B	851	BCR	C28-C27-C26	-3.28	108.22	114.06
17	L	208	BCR	C31-C1-C6	-3.28	105.11	110.24
14	Y	837	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	A	811	CLA	C3D-C4D-ND	3.27	115.31	109.99
14	A	840	CLA	C4A-NA-C1A	3.27	108.17	106.68
14	H	827	CLA	O2A-C1-C2	3.27	120.71	108.11
17	A	848	BCR	C37-C22-C21	-3.27	117.51	122.82
17	Z	841	BCR	C28-C27-C26	-3.27	108.22	114.06
14	G	824	CLA	C4D-C3D-CAD	3.27	111.66	108.11
14	A	807	CLA	O2A-CGA-CBA	3.27	121.81	111.83
14	Y	815	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	H	816	CLA	C4D-C3D-CAD	3.27	111.66	108.11
14	Z	827	CLA	C4D-C3D-CAD	3.27	111.66	108.11
14	G	820	CLA	O2A-C1-C2	3.27	120.70	108.11
14	Z	839	CLA	CHD-C1D-ND	-3.27	120.20	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	848	BCR	C38-C26-C25	-3.27	120.92	124.48
14	H	821	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	B	829	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	f	101	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	Y	815	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	Z	818	CLA	CMA-C3A-C4A	3.27	120.56	111.77
14	Z	814	CLA	C4-C3-C5	3.27	120.90	115.23
14	H	832	CLA	O2A-CGA-CBA	3.27	124.32	114.00
17	H	841	BCR	C34-C9-C10	-3.27	117.52	122.82
14	Z	830	CLA	C2B-C1B-NB	3.27	113.71	110.33
14	G	804	CLA	O2A-C1-C2	3.27	120.68	108.11
14	G	823	CLA	C3D-C4D-ND	3.27	115.30	109.99
14	B	822	CLA	C4D-C3D-CAD	3.26	111.65	108.11
14	J	102	CLA	O2A-C1-C2	3.26	120.67	108.11
14	B	807	CLA	CAC-C3C-C4C	3.26	129.04	124.79
14	Z	835	CLA	CHD-C1D-ND	-3.26	120.21	124.80
14	G	828	CLA	C4-C3-C5	3.26	120.89	115.23
14	B	839	CLA	C3D-C4D-ND	3.26	115.29	109.99
14	H	829	CLA	O2A-CGA-CBA	3.26	124.31	114.00
14	A	810	CLA	CMC-C2C-C1C	3.26	130.13	125.03
14	A	817	CLA	CMC-C2C-C1C	3.26	130.13	125.03
14	A	839	CLA	C4D-C3D-CAD	3.26	111.65	108.11
17	f	104	BCR	C31-C1-C6	-3.26	105.13	110.24
14	G	835	CLA	CHD-C1D-ND	-3.26	120.22	124.80
17	Y	856	BCR	C33-C5-C6	-3.26	120.93	124.48
17	B	851	BCR	C27-C26-C25	-3.26	118.30	122.70
14	A	821	CLA	C3D-C4D-ND	3.26	115.28	109.99
14	B	808	CLA	O2A-CGA-CBA	3.26	121.77	111.83
14	A	814	CLA	C3D-C4D-ND	3.26	115.28	109.99
17	G	848	BCR	C37-C22-C23	3.26	123.06	118.09
14	Y	824	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
14	G	816	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
14	J	102	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
14	Y	830	CLA	O2A-CGA-CBA	3.26	121.76	111.83
14	U	1002	CLA	CED-O2D-CGD	3.25	123.30	115.92
14	G	815	CLA	C1-O2A-CGA	3.25	124.53	116.65
17	G	848	BCR	C15-C14-C13	-3.25	122.72	127.28
14	Y	837	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
14	H	806	CLA	C2B-C1B-NB	3.25	113.70	110.33
14	G	817	CLA	CMC-C2C-C1C	3.25	130.12	125.03
14	B	805	CLA	O1D-CGD-CBD	-3.25	118.11	124.52
14	G	824	CLA	CHD-C1D-ND	-3.25	120.23	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	820	CLA	C3D-C4D-ND	3.25	115.27	109.99
14	Z	808	CLA	CBC-CAC-C3C	-3.25	103.61	112.42
14	Y	839	CLA	C3C-C4C-NC	3.25	114.59	110.43
14	B	834	CLA	O2A-CGA-CBA	3.25	124.27	114.00
14	B	812	CLA	O2A-C1-C2	3.25	120.61	108.11
14	Q	203	CLA	CHD-C1D-ND	-3.25	120.23	124.80
14	Q	201	CLA	O2A-CGA-CBA	3.25	121.74	111.83
17	I	101	BCR	C36-C18-C17	-3.25	117.56	122.82
17	U	1005	BCR	C8-C7-C6	-3.25	118.32	127.00
14	G	802	CLA	CHB-C4A-NA	3.25	129.09	124.40
14	B	825	CLA	C4D-C3D-CAD	3.25	111.63	108.11
19	Z	847	LMG	C8-O7-C10	-3.25	110.03	117.80
14	H	828	CLA	C3D-C4D-ND	3.25	115.26	109.99
14	A	818	CLA	CAC-C3C-C4C	3.24	129.01	124.79
14	G	832	CLA	CHB-C4A-NA	3.24	129.08	124.40
14	Q	201	CLA	C3D-C4D-ND	3.24	115.26	109.99
14	U	1003	CLA	C3D-C4D-ND	3.24	115.26	109.99
14	B	841	CLA	C1-C2-C3	-3.24	120.88	126.20
14	Z	839	CLA	CMA-C3A-C4A	3.24	120.49	111.77
17	G	854	BCR	C30-C25-C24	3.24	124.45	115.65
14	H	815	CLA	CHD-C1D-ND	-3.24	120.24	124.80
14	Y	815	CLA	CMA-C3A-C4A	3.24	120.49	111.77
14	H	801	CLA	O1D-CGD-CBD	-3.24	118.12	124.52
14	H	833	CLA	CMC-C2C-C1C	3.24	130.10	125.03
17	Z	845	BCR	C33-C5-C4	3.24	120.50	113.60
14	B	826	CLA	C2B-C1B-NB	3.24	113.68	110.33
14	H	801	CLA	OBD-CAD-C3D	-3.24	120.85	128.42
17	Q	204	BCR	C35-C13-C14	-3.24	117.57	122.82
14	B	811	CLA	C2B-C1B-NB	3.24	113.68	110.33
14	U	1002	CLA	C1-O2A-CGA	3.24	124.48	116.65
14	A	803	CLA	C3D-C4D-ND	3.24	115.25	109.99
14	Z	819	CLA	CMA-C3A-C4A	3.24	120.47	111.77
14	G	804	CLA	C3D-C4D-ND	3.23	115.25	109.99
14	H	810	CLA	O2D-CGD-O1D	-3.23	117.55	123.85
14	Y	831	CLA	C1-O2A-CGA	3.23	124.48	116.65
14	Y	814	CLA	C3D-C4D-ND	3.23	115.24	109.99
14	B	822	CLA	O2A-C1-C2	3.23	120.55	108.11
14	Y	842	CLA	C3B-C2B-C1B	-3.23	103.36	107.17
14	B	825	CLA	C4-C3-C2	-3.23	115.32	123.63
14	B	838	CLA	C4D-C3D-CAD	3.23	111.62	108.11
14	H	808	CLA	C4D-C3D-CAD	3.23	111.62	108.11
17	A	847	BCR	C7-C8-C9	-3.23	121.45	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	828	CLA	C4D-C3D-CAD	3.23	111.61	108.11
14	Z	808	CLA	C4D-C3D-CAD	3.23	111.61	108.11
14	A	817	CLA	CMB-C2B-C1B	3.23	130.34	125.42
17	F	203	BCR	C7-C8-C9	-3.23	121.46	126.23
14	G	822	CLA	C3D-C4D-ND	3.23	115.24	109.99
14	L	202	CLA	CHD-C1D-ND	-3.23	120.26	124.80
14	Z	821	CLA	C2B-C1B-NB	3.23	113.67	110.33
14	H	832	CLA	C2B-C1B-NB	3.23	113.67	110.33
14	A	827	CLA	O2A-CGA-CBA	3.23	121.67	111.83
14	A	832	CLA	CHD-C1D-ND	-3.23	120.26	124.80
14	B	802	CLA	O2A-C1-C2	3.23	120.52	108.11
14	Y	806	CLA	O2A-C1-C2	3.23	120.52	108.11
14	H	820	CLA	C4D-C3D-CAD	3.22	111.61	108.11
17	Z	843	BCR	C8-C9-C10	3.22	124.08	119.01
13	G	801	CL0	CHD-C1D-ND	-3.22	120.27	124.80
14	Z	832	CLA	C3D-C4D-ND	3.22	115.23	109.99
18	B	850	LHG	C5-O7-C7	-3.22	110.08	117.80
14	G	841	CLA	C4-C3-C5	3.22	120.82	115.23
14	H	828	CLA	CBC-CAC-C3C	-3.22	103.69	112.42
14	G	838	CLA	CMC-C2C-C1C	3.22	130.07	125.03
14	L	205	CLA	CMC-C2C-C1C	3.22	130.07	125.03
14	B	832	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	Z	831	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	G	833	CLA	C2B-C1B-NB	3.22	113.67	110.33
14	L	202	CLA	C2B-C1B-NB	3.22	113.67	110.33
14	U	1002	CLA	C4D-C3D-CAD	3.22	111.61	108.11
14	Y	824	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	A	840	CLA	CMA-C3A-C4A	3.22	120.43	111.77
14	Z	821	CLA	CED-O2D-CGD	3.22	123.22	115.92
14	A	802	CLA	O2A-CGA-CBA	3.22	121.65	111.83
13	A	801	CL0	C4D-C3D-CAD	3.22	111.60	108.11
14	Z	815	CLA	O2A-C1-C2	3.22	120.50	108.11
14	B	823	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	H	827	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	Y	833	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	B	802	CLA	CMD-C2D-C3D	-3.22	120.31	127.69
14	A	807	CLA	C3D-C4D-ND	3.22	115.22	109.99
14	B	829	CLA	CED-O2D-CGD	3.22	123.21	115.92
14	Z	802	CLA	O2A-CGA-CBA	3.22	121.64	111.83
14	G	807	CLA	CMA-C3A-C4A	3.22	120.42	111.77
14	B	841	CLA	CMA-C3A-C4A	3.22	120.42	111.77
14	B	810	CLA	C3B-C2B-C1B	-3.22	103.38	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	842	BCR	C33-C5-C6	-3.21	120.98	124.48
14	A	803	CLA	C2B-C1B-NB	3.21	113.66	110.33
14	G	814	CLA	O2A-C1-C2	3.21	120.47	108.11
14	H	814	CLA	CMB-C2B-C1B	3.21	130.31	125.42
14	Y	828	CLA	CMC-C2C-C1C	3.21	130.05	125.03
14	B	826	CLA	C1-C2-C3	-3.21	120.93	126.20
14	H	822	CLA	CMB-C2B-C1B	3.21	130.31	125.42
14	A	842	CLA	OBD-CAD-C3D	-3.21	120.91	128.42
14	Y	836	CLA	O2D-CGD-O1D	-3.21	117.60	123.85
14	A	814	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	Q	201	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	Y	809	CLA	C4D-C3D-CAD	3.21	111.59	108.11
14	L	202	CLA	O2A-C1-C2	3.21	120.46	108.11
14	B	802	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	B	810	CLA	CHD-C1D-ND	-3.21	120.29	124.80
14	Z	808	CLA	O2A-CGA-CBA	3.21	121.62	111.83
14	G	841	CLA	C2B-C1B-NB	3.21	113.65	110.33
14	L	205	CLA	C2B-C1B-NB	3.21	113.65	110.33
14	B	824	CLA	C4D-C3D-CAD	3.21	111.59	108.11
14	Y	830	CLA	C3D-C4D-ND	3.21	115.20	109.99
14	L	206	CLA	C4D-C3D-CAD	3.21	111.59	108.11
14	B	838	CLA	C3D-C4D-ND	3.21	115.20	109.99
14	B	836	CLA	O2A-CGA-CBA	3.21	124.13	114.00
14	Q	203	CLA	CMA-C3A-C4A	3.21	120.39	111.77
14	G	833	CLA	O1D-CGD-CBD	-3.21	118.19	124.52
17	I	101	BCR	C37-C22-C23	3.21	122.98	118.09
14	Y	820	CLA	C3D-C4D-ND	3.21	115.20	109.99
14	B	830	CLA	C3D-C4D-ND	3.20	115.20	109.99
14	Y	826	CLA	CMA-C3A-C4A	3.20	120.38	111.77
14	H	812	CLA	C1-C2-C3	-3.20	120.95	126.20
14	A	831	CLA	C3D-C4D-ND	3.20	115.19	109.99
14	G	813	CLA	CAC-C3C-C4C	3.20	128.96	124.79
14	A	823	CLA	C3D-C4D-ND	3.20	115.19	109.99
14	A	839	CLA	CMC-C2C-C1C	3.20	130.04	125.03
19	Z	847	LMG	O7-C10-O9	-3.20	116.22	123.70
14	Z	804	CLA	O2A-CGA-CBA	3.20	121.59	111.83
14	Z	838	CLA	C3C-C4C-NC	3.20	114.53	110.43
14	Y	807	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
17	A	847	BCR	C8-C7-C6	-3.20	118.45	127.00
14	A	834	CLA	CHD-C1D-ND	-3.20	120.30	124.80
14	H	801	CLA	C4D-C3D-CAD	3.20	111.58	108.11
14	Z	806	CLA	CHD-C1D-ND	-3.20	120.30	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	810	CLA	OBD-CAD-C3D	-3.20	120.94	128.42
14	j	102	CLA	C3D-C4D-ND	3.20	115.18	109.99
14	Z	825	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	Y	818	CLA	CMD-C2D-C3D	-3.19	120.36	127.69
14	B	835	CLA	CHD-C1D-ND	-3.19	120.31	124.80
14	G	807	CLA	C3D-C4D-ND	3.19	115.17	109.99
14	B	821	CLA	CED-O2D-CGD	3.19	123.15	115.92
17	Y	856	BCR	C23-C24-C25	-3.19	118.47	127.00
14	V	1201	CLA	C2B-C1B-NB	3.19	113.64	110.33
14	T	103	CLA	CMA-C3A-C4A	3.19	120.35	111.77
14	Z	838	CLA	CHD-C1D-ND	-3.19	120.31	124.80
14	A	819	CLA	C1-C2-C3	-3.19	120.97	126.20
17	L	209	BCR	C8-C9-C10	3.19	124.03	119.01
14	f	102	CLA	CMB-C2B-C1B	3.19	130.28	125.42
14	Z	835	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
14	A	830	CLA	C3D-C4D-ND	3.19	115.17	109.99
14	Y	809	CLA	CHD-C1D-ND	-3.19	120.32	124.80
14	B	819	CLA	CMC-C2C-C1C	3.19	130.01	125.03
17	e	101	BCR	C37-C22-C21	-3.19	117.65	122.82
14	Z	818	CLA	OBD-CAD-C3D	-3.19	120.97	128.42
13	G	801	CL0	O2D-CGD-O1D	-3.19	117.64	123.85
17	Y	849	BCR	C34-C9-C8	3.19	122.95	118.09
14	U	1006	CLA	C1-O2A-CGA	3.19	124.36	116.65
14	H	836	CLA	O1D-CGD-CBD	-3.18	118.24	124.52
14	B	821	CLA	O2A-CGA-CBA	3.18	124.06	114.00
14	H	830	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	Z	807	CLA	C4D-C3D-CAD	3.18	111.56	108.11
14	Y	815	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	G	831	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	Y	819	CLA	CMA-C3A-C4A	3.18	120.33	111.77
17	Z	842	BCR	C36-C18-C17	-3.18	117.66	122.82
14	B	821	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	G	802	CLA	C1-C2-C3	-3.18	120.98	126.20
14	B	836	CLA	CMA-C3A-C4A	3.18	120.32	111.77
14	B	834	CLA	CHB-C4A-NA	3.18	128.99	124.40
14	G	836	CLA	C4D-C3D-CAD	3.18	111.56	108.11
14	A	832	CLA	O2A-C1-C2	3.18	120.34	108.11
14	G	842	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	G	812	CLA	CMA-C3A-C4A	3.18	120.32	111.77
14	Z	824	CLA	CMA-C3A-C4A	3.18	120.32	111.77
14	B	816	CLA	C2B-C1B-NB	3.18	113.62	110.33
14	A	816	CLA	O2A-C1-C2	3.18	120.33	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	102	CLA	CED-O2D-CGD	3.18	123.12	115.92
14	G	826	CLA	O2D-CGD-O1D	-3.18	117.67	123.85
14	B	805	CLA	C1-O2A-CGA	3.17	124.34	116.65
17	Z	842	BCR	C37-C22-C21	-3.17	117.67	122.82
14	H	822	CLA	CHD-C1D-ND	-3.17	120.33	124.80
14	Y	818	CLA	CHD-C1D-ND	-3.17	120.34	124.80
14	A	832	CLA	C3D-C4D-ND	3.17	115.14	109.99
14	A	819	CLA	O2A-C1-C2	3.17	120.32	108.11
14	H	838	CLA	C4D-C3D-CAD	3.17	111.55	108.11
14	H	824	CLA	C1-O2A-CGA	3.17	124.33	116.65
14	B	814	CLA	CHD-C1D-ND	-3.17	120.34	124.80
14	A	804	CLA	C4D-C3D-CAD	3.17	111.55	108.11
14	Z	832	CLA	O2A-CGA-CBA	3.17	124.02	114.00
14	Z	836	CLA	O2A-CGA-CBA	3.17	121.50	111.83
17	B	848	BCR	C23-C24-C25	-3.17	118.53	127.00
14	Y	827	CLA	C2B-C1B-NB	3.17	113.61	110.33
14	A	812	CLA	O2A-C1-C2	3.17	120.31	108.11
14	A	829	CLA	C3D-C4D-ND	3.17	115.14	109.99
14	Y	813	CLA	O2A-C1-C2	3.17	120.31	108.11
14	B	838	CLA	O2A-C1-C2	3.17	120.31	108.11
14	G	834	CLA	C6-C5-C3	-3.17	105.75	113.47
14	A	835	CLA	CMC-C2C-C1C	3.17	129.99	125.03
17	G	846	BCR	C30-C25-C24	3.17	124.24	115.65
14	Y	804	CLA	C3D-C4D-ND	3.17	115.13	109.99
14	G	824	CLA	CMB-C2B-C1B	3.17	130.24	125.42
17	L	208	BCR	C34-C9-C10	-3.17	117.69	122.82
14	G	812	CLA	O2A-C1-C2	3.17	120.29	108.11
14	Z	832	CLA	CAC-C3C-C4C	3.17	128.91	124.79
17	f	104	BCR	C3-C4-C5	-3.17	108.41	114.06
14	h	201	CLA	C4D-C3D-CAD	3.17	111.54	108.11
14	Z	839	CLA	C1-C2-C3	-3.16	121.01	126.20
14	G	813	CLA	CMA-C3A-C4A	3.16	120.28	111.77
14	Y	854	CLA	C1-C2-C3	-3.16	121.01	126.20
14	G	817	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	H	829	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	f	102	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	Y	838	CLA	C4-C3-C5	3.16	120.72	115.23
17	V	1202	BCR	C7-C6-C5	-3.16	114.27	121.56
14	H	818	CLA	C3C-C4C-NC	3.16	114.48	110.43
17	A	845	BCR	C3-C4-C5	-3.16	108.42	114.06
14	B	828	CLA	CMB-C2B-C1B	3.16	130.23	125.42
17	R	101	BCR	C37-C22-C23	3.16	122.92	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	815	CLA	O2A-CGA-CBA	3.16	123.98	114.00
14	Z	806	CLA	C1-O2A-CGA	3.16	124.30	116.65
14	B	816	CLA	CHD-C1D-ND	-3.16	120.36	124.80
14	Y	808	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	J	101	CLA	C2B-C1B-NB	3.16	113.60	110.33
14	A	835	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	G	835	CLA	CMD-C2D-C3D	-3.16	120.45	127.69
14	Y	838	CLA	CHD-C1D-ND	-3.16	120.36	124.80
14	A	837	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	A	807	CLA	CMA-C3A-C4A	3.16	120.25	111.77
14	Z	815	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	H	803	CLA	C4D-C3D-CAD	3.16	111.53	108.11
14	A	835	CLA	CHD-C1D-ND	-3.16	120.36	124.80
14	d	202	CLA	C2B-C1B-NB	3.16	113.60	110.33
17	Q	202	BCR	C23-C24-C25	-3.15	118.57	127.00
14	Y	830	CLA	C2B-C1B-NB	3.15	113.60	110.33
17	Y	856	BCR	C30-C25-C26	-3.15	118.33	122.64
14	H	814	CLA	CED-O2D-CGD	3.15	123.07	115.92
14	W	1701	CLA	C4D-C3D-CAD	3.15	111.53	108.11
14	G	805	CLA	O2A-CGA-O1A	-3.15	115.74	123.63
14	G	829	CLA	CMA-C3A-C4A	3.15	120.25	111.77
14	G	809	CLA	CMD-C2D-C3D	-3.15	120.46	127.69
14	H	835	CLA	C1-O2A-CGA	3.15	124.28	116.65
14	Y	824	CLA	C3C-C4C-NC	3.15	114.47	110.43
14	B	836	CLA	CAC-C3C-C4C	3.15	128.89	124.79
13	Y	801	CL0	CMB-C2B-C1B	3.15	130.22	125.42
14	H	808	CLA	CBC-CAC-C3C	-3.15	103.88	112.42
17	H	842	BCR	C36-C18-C19	-3.15	113.27	118.09
14	G	818	CLA	C2B-C1B-NB	3.15	113.59	110.33
17	d	203	BCR	C8-C7-C6	-3.15	118.58	127.00
17	G	849	BCR	C40-C30-C25	3.15	115.18	110.24
14	A	825	CLA	CHD-C1D-ND	-3.15	120.37	124.80
13	G	801	CL0	O2A-C1-C2	3.15	120.23	108.11
14	Z	819	CLA	C2B-C1B-NB	3.15	113.59	110.33
14	H	815	CLA	C3D-C4D-ND	3.15	115.11	109.99
14	G	828	CLA	C3C-C4C-NC	3.15	114.46	110.43
14	f	102	CLA	CHD-C1D-ND	-3.15	120.37	124.80
14	Y	805	CLA	O1D-CGD-CBD	-3.15	118.31	124.52
17	U	1005	BCR	C32-C1-C6	-3.15	105.31	110.24
17	Y	856	BCR	C36-C18-C19	-3.15	113.28	118.09
14	H	804	CLA	CMC-C2C-C1C	3.15	129.95	125.03
14	A	829	CLA	O2A-CGA-CBA	3.15	121.43	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	814	CLA	CMC-C2C-C1C	3.15	129.95	125.03
14	H	825	CLA	O2A-C1-C2	3.15	120.21	108.11
17	K	102	BCR	C33-C5-C6	-3.15	121.05	124.48
14	H	802	CLA	C2B-C1B-NB	3.14	113.59	110.33
14	Y	815	CLA	C4D-C3D-CAD	3.14	111.52	108.11
14	A	822	CLA	O2A-C1-C2	3.14	120.21	108.11
14	B	816	CLA	CMA-C3A-C4A	3.14	120.22	111.77
14	d	201	CLA	C4D-C3D-CAD	3.14	111.52	108.11
14	A	808	CLA	O2A-C1-C2	3.14	120.20	108.11
14	f	102	CLA	O2A-C1-C2	3.14	120.19	108.11
14	Y	822	CLA	C2B-C1B-NB	3.14	113.58	110.33
14	J	102	CLA	CAC-C3C-C4C	3.14	128.88	124.79
14	A	825	CLA	CMC-C2C-C1C	3.14	129.94	125.03
17	Y	847	BCR	C30-C25-C26	-3.14	118.35	122.64
14	A	813	CLA	C1-C2-C3	-3.14	121.06	126.20
14	Y	820	CLA	CMA-C3A-C4A	3.14	120.21	111.77
14	Z	802	CLA	CMC-C2C-C1C	3.14	129.94	125.03
14	L	202	CLA	CBB-CAB-C3B	-3.14	111.85	127.53
14	H	813	CLA	CED-O2D-CGD	3.14	123.03	115.92
14	H	821	CLA	C4D-C3D-CAD	3.14	111.51	108.11
14	Z	802	CLA	CAA-C2A-C1A	3.14	122.25	111.97
14	H	806	CLA	C3C-C4C-NC	3.14	114.45	110.43
14	Y	840	CLA	OBD-CAD-C3D	-3.14	121.09	128.42
14	A	822	CLA	C2B-C1B-NB	3.13	113.58	110.33
14	G	818	CLA	CED-O2D-CGD	3.13	123.02	115.92
14	V	1201	CLA	O2A-CGA-CBA	3.13	121.39	111.83
17	M	101	BCR	C1-C6-C7	3.13	124.15	115.65
14	L	202	CLA	C4D-C3D-CAD	3.13	111.51	108.11
14	B	825	CLA	CHD-C1D-ND	-3.13	120.39	124.80
17	h	202	BCR	C36-C18-C19	-3.13	113.30	118.09
14	B	821	CLA	CHD-C1D-ND	-3.13	120.40	124.80
14	Y	838	CLA	C3D-C4D-ND	3.13	115.08	109.99
14	K	103	CLA	CMB-C2B-C1B	3.13	130.19	125.42
14	Z	834	CLA	CMB-C2B-C1B	3.13	130.19	125.42
14	B	820	CLA	CMD-C2D-C3D	-3.13	120.51	127.69
14	H	808	CLA	CHC-C1C-C2C	-3.13	118.05	126.95
14	H	816	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
14	T	103	CLA	CHD-C1D-ND	-3.13	120.40	124.80
14	A	824	CLA	CMC-C2C-C1C	3.13	129.92	125.03
14	G	834	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
14	h	206	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
14	S	1103	CLA	CHD-C1D-ND	-3.13	120.40	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	841	CLA	O2A-C1-C2	3.13	120.14	108.11
14	Z	801	CLA	C3D-C4D-ND	3.13	115.07	109.99
14	A	835	CLA	CAC-C3C-C4C	3.13	128.86	124.79
14	A	852	CLA	C3D-C4D-ND	3.12	115.07	109.99
14	A	823	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
14	H	819	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
14	H	817	CLA	O1D-CGD-CBD	-3.12	118.36	124.52
14	B	840	CLA	CED-O2D-CGD	3.12	123.00	115.92
14	g	101	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	B	805	CLA	C2B-C1B-NB	3.12	113.56	110.33
14	B	820	CLA	CHD-C1D-ND	-3.12	120.41	124.80
14	Z	820	CLA	C3D-C4D-ND	3.12	115.06	109.99
14	A	820	CLA	C4A-NA-C1A	3.12	108.10	106.68
14	B	802	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
14	H	827	CLA	C4D-C3D-CAD	3.12	111.50	108.11
14	B	834	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
14	H	831	CLA	CMD-C2D-C3D	-3.12	120.53	127.69
14	Y	839	CLA	C3D-C4D-ND	3.12	115.06	109.99
14	B	819	CLA	C3C-C4C-NC	3.12	114.43	110.43
14	Z	829	CLA	O2A-CGA-CBA	3.12	123.86	114.00
14	H	823	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	Y	818	CLA	OBD-CAD-C3D	-3.12	121.13	128.42
17	Z	842	BCR	C38-C26-C25	-3.12	121.08	124.48
14	B	820	CLA	OBD-CAD-C3D	-3.12	121.13	128.42
14	S	1101	CLA	C4D-C3D-CAD	3.12	111.49	108.11
14	H	811	CLA	O2A-CGA-CBA	3.12	123.85	114.00
14	X	1701	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
14	Z	815	CLA	CHD-C1D-ND	-3.12	120.42	124.80
14	Y	855	CLA	CHB-C4A-NA	3.12	128.90	124.40
14	A	806	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	H	827	CLA	C3C-C4C-NC	3.12	114.42	110.43
14	H	804	CLA	CHD-C1D-ND	-3.12	120.42	124.80
14	Y	811	CLA	CHD-C1D-ND	-3.12	120.42	124.80
14	B	803	CLA	C4D-C3D-CAD	3.12	111.49	108.11
14	Y	825	CLA	C3D-C4D-ND	3.12	115.05	109.99
14	A	804	CLA	CHB-C4A-NA	3.12	128.90	124.40
14	L	202	CLA	CAA-C2A-C1A	3.12	122.19	111.97
14	T	103	CLA	CMB-C2B-C1B	3.12	130.16	125.42
14	B	824	CLA	C1-C2-C3	-3.12	121.09	126.20
14	Y	823	CLA	O2A-C1-C2	3.11	120.09	108.11
14	G	830	CLA	C3D-C4D-ND	3.11	115.05	109.99
14	G	825	CLA	C3C-C4C-NC	3.11	114.42	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	801	CLA	CHB-C4A-NA	3.11	128.90	124.40
14	Y	841	CLA	CMC-C2C-C1C	3.11	129.90	125.03
14	S	1102	CLA	O2A-CGA-CBA	3.11	123.84	114.00
14	H	828	CLA	CHC-C1C-C2C	-3.11	118.10	126.95
14	Y	839	CLA	C1-C2-C3	-3.11	121.72	126.76
17	L	203	BCR	C23-C24-C25	-3.11	118.68	127.00
14	A	802	CLA	CBB-CAB-C3B	-3.11	111.97	127.53
17	Z	846	BCR	C3-C4-C5	-3.11	108.50	114.06
14	Z	825	CLA	CHD-C1D-ND	-3.11	120.42	124.80
14	h	206	CLA	CHD-C1D-ND	-3.11	120.42	124.80
14	Z	804	CLA	CHB-C4A-NA	3.11	128.89	124.40
17	Y	847	BCR	C37-C22-C21	-3.11	117.78	122.82
14	B	818	CLA	CHD-C1D-ND	-3.11	120.43	124.80
14	U	1002	CLA	CMB-C2B-C1B	3.11	130.15	125.42
14	H	808	CLA	CAC-C3C-C4C	3.11	128.84	124.79
14	f	101	CLA	C3D-C4D-ND	3.11	115.04	109.99
14	Y	825	CLA	CMC-C2C-C1C	3.11	129.89	125.03
14	Z	813	CLA	OBD-CAD-C3D	-3.11	121.15	128.42
14	A	838	CLA	O2D-CGD-O1D	-3.11	117.80	123.85
14	H	836	CLA	CHD-C1D-ND	-3.11	120.43	124.80
17	h	203	BCR	C37-C22-C23	3.11	122.83	118.09
14	B	828	CLA	O2A-CGA-CBA	3.11	121.31	111.83
14	H	808	CLA	OBD-CAD-C3D	-3.11	121.16	128.42
17	A	848	BCR	C27-C26-C25	-3.11	118.51	122.70
14	H	831	CLA	C3D-C4D-ND	3.11	115.03	109.99
14	Z	828	CLA	C3D-C4D-ND	3.10	115.03	109.99
14	Y	810	CLA	O2A-CGA-CBA	3.10	123.81	114.00
14	T	101	CLA	CHD-C1D-ND	-3.10	120.43	124.80
14	Z	809	CLA	C4-C3-C5	3.10	120.62	115.23
14	G	837	CLA	C2B-C1B-NB	3.10	113.55	110.33
14	h	205	CLA	CGD-CBD-CAD	-3.10	100.80	110.85
14	G	821	CLA	CED-O2D-CGD	3.10	122.95	115.92
14	B	802	CLA	CMC-C2C-C1C	3.10	129.88	125.03
14	W	1701	CLA	CHD-C1D-ND	-3.10	120.44	124.80
14	A	814	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
14	Y	817	CLA	O2A-C1-C2	3.10	120.04	108.11
14	Y	824	CLA	CMA-C3A-C4A	3.10	120.11	111.77
14	Z	839	CLA	C4D-C3D-CAD	3.10	111.47	108.11
14	Y	815	CLA	O2A-C1-C2	3.10	120.03	108.11
14	Z	817	CLA	O2A-CGA-CBA	3.10	121.28	111.83
14	Y	835	CLA	C3D-C4D-ND	3.10	115.02	109.99
14	Z	816	CLA	CED-O2D-CGD	3.10	122.94	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	826	CLA	O1D-CGD-CBD	-3.10	118.41	124.52
14	A	834	CLA	CED-O2D-CGD	3.10	122.94	115.92
14	G	833	CLA	C1-O2A-CGA	3.10	124.14	116.65
14	H	831	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
14	H	826	CLA	C6-C5-C3	-3.10	105.93	113.47
14	G	808	CLA	C3D-C4D-ND	3.10	115.02	109.99
14	Z	839	CLA	C3D-C4D-ND	3.09	115.02	109.99
17	Z	843	BCR	C24-C23-C22	-3.09	121.66	126.23
14	H	815	CLA	CMA-C3A-C4A	3.09	120.09	111.77
14	Y	802	CLA	C3D-C4D-ND	3.09	115.02	109.99
14	Y	854	CLA	C2B-C1B-NB	3.09	113.53	110.33
14	Y	842	CLA	O2D-CGD-CBD	3.09	116.64	111.23
14	B	828	CLA	C4-C3-C5	3.09	120.59	115.23
14	H	822	CLA	CMA-C3A-C4A	3.09	120.08	111.77
14	Y	854	CLA	CBB-CAB-C3B	-3.09	112.09	127.53
14	B	835	CLA	CAC-C3C-C4C	3.09	128.81	124.79
14	G	813	CLA	C3D-C4D-ND	3.09	115.01	109.99
17	S	1104	BCR	C1-C6-C7	3.09	124.03	115.65
14	B	841	CLA	C2B-C1B-NB	3.09	113.53	110.33
14	H	828	CLA	C4D-C3D-CAD	3.09	111.46	108.11
14	Y	808	CLA	C4D-C3D-CAD	3.09	111.46	108.11
14	g	102	CLA	C3D-C4D-ND	3.08	115.00	109.99
17	M	101	BCR	C23-C22-C21	3.08	123.86	119.01
14	B	811	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	G	805	CLA	CMA-C3A-C4A	3.08	120.06	111.77
14	Z	809	CLA	C3D-C4D-ND	3.08	115.00	109.99
14	W	1701	CLA	C3D-C4D-ND	3.08	115.00	109.99
14	A	831	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
14	H	833	CLA	CMA-C3A-C4A	3.08	120.05	111.77
14	H	821	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
14	A	819	CLA	CHD-C1D-ND	-3.08	120.47	124.80
14	B	806	CLA	C1-C2-C3	-3.08	121.15	126.20
14	G	829	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	Z	835	CLA	CAC-C3C-C4C	3.08	128.80	124.79
14	Z	822	CLA	C3C-C4C-NC	3.08	114.37	110.43
14	Z	832	CLA	CMC-C2C-C1C	3.08	129.84	125.03
14	Z	805	CLA	O2A-C1-C2	3.08	119.95	108.11
14	G	823	CLA	C4D-C3D-CAD	3.08	111.45	108.11
17	Z	844	BCR	C37-C22-C23	3.08	122.79	118.09
14	Y	814	CLA	O1D-CGD-CBD	-3.08	118.45	124.52
14	L	201	CLA	C3C-C4C-NC	3.08	114.37	110.43
14	Y	833	CLA	C4D-C3D-CAD	3.08	111.45	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	f	102	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	B	804	CLA	CHB-C4A-NA	3.08	128.84	124.40
14	d	201	CLA	O2A-C1-C2	3.08	119.94	108.11
14	G	810	CLA	C3D-C4D-ND	3.08	114.99	109.99
14	B	813	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	G	832	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	X	1701	CLA	CMC-C2C-C1C	3.07	129.84	125.03
14	H	819	CLA	C4D-C3D-CAD	3.07	111.44	108.11
17	G	849	BCR	C32-C1-C6	-3.07	105.42	110.24
14	G	829	CLA	CED-O2D-CGD	3.07	122.89	115.92
14	J	102	CLA	C4-C3-C5	3.07	120.56	115.23
14	A	823	CLA	CMD-C2D-C3D	-3.07	120.64	127.69
14	J	102	CLA	C4A-NA-C1A	3.07	108.08	106.68
17	I	101	BCR	C40-C30-C25	3.07	115.06	110.24
14	Z	817	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	Y	809	CLA	C3D-C4D-ND	3.07	114.98	109.99
14	A	810	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	A	842	CLA	O2A-C1-C2	3.07	119.93	108.11
17	I	101	BCR	C35-C13-C14	-3.07	117.84	122.82
14	Y	802	CLA	CBC-CAC-C3C	-3.07	104.09	112.42
14	Y	854	CLA	O1D-CGD-CBD	-3.07	118.46	124.52
14	H	815	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
17	Z	846	BCR	C30-C25-C26	-3.07	118.44	122.64
14	Z	821	CLA	O2A-CGA-CBA	3.07	121.20	111.83
13	Y	801	CL0	CHD-C1D-ND	-3.07	120.48	124.80
17	H	844	BCR	C1-C6-C5	-3.07	118.44	122.64
14	L	202	CLA	OBD-CAD-C3D	-3.07	121.24	128.42
14	Z	812	CLA	CHD-C1D-ND	-3.07	120.48	124.80
14	Z	837	CLA	CED-O2D-CGD	3.07	122.88	115.92
14	Y	803	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	Z	808	CLA	CMC-C2C-C1C	3.07	129.83	125.03
17	Z	844	BCR	C37-C22-C21	-3.07	117.85	122.82
14	A	852	CLA	CHD-C1D-ND	-3.07	120.49	124.80
14	Y	813	CLA	C3D-C4D-ND	3.07	114.97	109.99
14	A	813	CLA	C2B-C1B-NB	3.07	113.50	110.33
14	B	815	CLA	C2B-C1B-NB	3.07	113.50	110.33
14	G	810	CLA	O2A-CGA-CBA	3.06	123.68	114.00
17	H	848	BCR	C36-C18-C19	-3.06	113.41	118.09
14	Y	810	CLA	CHD-C1D-ND	-3.06	120.49	124.80
14	G	828	CLA	C5-C3-C2	-3.06	114.29	121.17
14	h	201	CLA	C3D-C4D-ND	3.06	114.97	109.99
14	F	202	CLA	CMA-C3A-C4A	3.06	120.00	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	814	CLA	CMA-C3A-C4A	3.06	120.00	111.77
14	G	818	CLA	C3D-C4D-ND	3.06	114.96	109.99
14	H	828	CLA	O2A-C1-C2	3.06	119.89	108.11
17	A	845	BCR	C7-C8-C9	-3.06	121.71	126.23
15	B	842	PQN	C11-C3-C2	-3.06	119.64	124.89
14	A	804	CLA	CMC-C2C-C1C	3.06	129.82	125.03
14	B	821	CLA	CMB-C2B-C1B	3.06	130.08	125.42
17	h	203	BCR	C37-C22-C21	-3.06	117.86	122.82
14	U	1003	CLA	O2A-C1-C2	3.06	119.88	108.11
17	h	202	BCR	C34-C9-C8	3.06	122.76	118.09
14	g	102	CLA	C2B-C1B-NB	3.06	113.50	110.33
14	B	806	CLA	CMD-C2D-C3D	-3.06	120.68	127.69
14	Z	801	CLA	O2D-CGD-CBD	3.06	116.58	111.23
14	A	802	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	A	810	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	G	814	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	A	805	CLA	C2B-C1B-NB	3.06	113.50	110.33
17	H	845	BCR	C7-C8-C9	-3.06	121.71	126.23
17	G	850	BCR	C37-C22-C21	-3.06	117.86	122.82
14	G	807	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	G	836	CLA	CHD-C1D-ND	-3.06	120.50	124.80
14	Z	831	CLA	C3C-C4C-NC	3.06	114.34	110.43
14	Z	813	CLA	CMC-C2C-C3C	3.06	134.41	126.15
14	B	804	CLA	C3D-C4D-ND	3.06	114.95	109.99
14	Y	832	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	Y	817	CLA	CMA-C3A-C4A	3.05	119.98	111.77
14	B	836	CLA	CHD-C1D-ND	-3.05	120.50	124.80
14	G	834	CLA	C3D-C4D-ND	3.05	114.95	109.99
14	d	201	CLA	CMA-C3A-C4A	3.05	119.98	111.77
14	A	836	CLA	C1-O2A-CGA	3.05	124.04	116.65
14	G	827	CLA	O2D-CGD-O1D	-3.05	117.90	123.85
17	B	844	BCR	C7-C8-C9	-3.05	121.72	126.23
14	Z	812	CLA	O1D-CGD-CBD	-3.05	118.50	124.52
14	K	103	CLA	CHD-C1D-ND	-3.05	120.51	124.80
14	H	807	CLA	C3D-C4D-ND	3.05	114.95	109.99
14	Y	827	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	J	101	CLA	C3D-C4D-ND	3.05	114.95	109.99
14	G	839	CLA	C6-C5-C3	-3.05	106.03	113.47
14	A	817	CLA	C3D-C4D-ND	3.05	114.95	109.99
17	H	840	BCR	C32-C1-C6	-3.05	105.46	110.24
14	B	815	CLA	C3D-C4D-ND	3.05	114.95	109.99
14	G	811	CLA	O2A-C1-C2	3.05	119.85	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	J	103	BCR	C38-C26-C25	3.05	127.81	124.48
14	G	828	CLA	CMC-C2C-C1C	3.05	129.80	125.03
14	G	838	CLA	CMA-C3A-C4A	3.05	119.97	111.77
14	Y	832	CLA	C1-O2A-CGA	3.05	124.03	116.65
14	A	826	CLA	O2A-CGA-CBA	3.05	121.13	111.83
14	Y	816	CLA	CHD-C1D-ND	-3.05	120.51	124.80
14	B	826	CLA	CMA-C3A-C4A	3.05	119.97	111.77
14	G	835	CLA	CMA-C3A-C4A	3.05	119.97	111.77
14	Z	833	CLA	O2A-CGA-CBA	3.05	123.63	114.00
14	U	1006	CLA	C3D-C4D-ND	3.05	114.94	109.99
17	F	203	BCR	C3-C4-C5	-3.05	108.62	114.06
17	Y	848	BCR	C28-C27-C26	-3.05	108.62	114.06
14	Y	820	CLA	CAC-C3C-C4C	3.05	128.75	124.79
14	B	813	CLA	C3D-C4D-ND	3.05	114.94	109.99
14	A	839	CLA	C3D-C4D-ND	3.05	114.94	109.99
17	H	844	BCR	C33-C5-C6	-3.05	121.16	124.48
14	G	813	CLA	CHD-C1D-ND	-3.05	120.52	124.80
14	Q	201	CLA	O1D-CGD-CBD	-3.05	118.51	124.52
14	A	812	CLA	C3D-C4D-ND	3.04	114.94	109.99
14	G	811	CLA	CMA-C3A-C4A	3.04	119.95	111.77
17	H	840	BCR	C8-C7-C6	-3.04	118.87	127.00
14	G	842	CLA	O2A-C1-C2	3.04	119.82	108.11
14	A	810	CLA	CMB-C2B-C1B	3.04	130.05	125.42
14	H	807	CLA	CMB-C2B-C1B	3.04	130.05	125.42
14	T	101	CLA	CMD-C2D-C3D	-3.04	120.71	127.69
14	B	803	CLA	C4-C3-C5	3.04	120.51	115.23
14	f	102	CLA	C4D-C3D-CAD	3.04	111.41	108.11
17	Y	847	BCR	C40-C30-C25	3.04	115.01	110.24
14	G	819	CLA	C1-C2-C3	-3.04	121.22	126.20
14	Y	855	CLA	C3D-C4D-ND	3.04	114.92	109.99
14	H	838	CLA	C2B-C1B-NB	3.04	113.47	110.33
14	Y	843	CLA	C4D-C3D-CAD	3.04	111.40	108.11
14	B	808	CLA	CMC-C2C-C1C	3.04	129.78	125.03
14	Y	805	CLA	CMC-C2C-C1C	3.04	129.78	125.03
17	i	101	BCR	C33-C5-C4	3.04	120.07	113.60
14	G	820	CLA	C1-O2A-CGA	3.04	124.00	116.65
17	Z	843	BCR	C36-C18-C19	-3.04	113.45	118.09
14	G	803	CLA	O2A-C1-C2	3.03	119.79	108.11
14	Y	804	CLA	O2A-C1-C2	3.03	119.79	108.11
14	A	832	CLA	CMA-C3A-C4A	3.03	119.93	111.77
14	H	803	CLA	CHC-C1C-C2C	-3.03	118.32	126.95
14	G	808	CLA	O2D-CGD-O1D	-3.03	117.94	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	846	BCR	C24-C25-C26	3.03	128.54	121.56
14	Y	811	CLA	CMA-C3A-C4A	3.03	119.93	111.77
14	G	838	CLA	C4A-NA-C1A	3.03	108.06	106.68
14	Z	827	CLA	C1-O2A-CGA	3.03	123.99	116.65
14	H	823	CLA	C3C-C4C-NC	3.03	114.32	110.43
14	H	804	CLA	C3D-C4D-ND	3.03	114.92	109.99
18	G	852	LHG	O8-C23-C24	3.03	121.08	111.83
14	A	833	CLA	C2B-C1B-NB	3.03	113.47	110.33
14	U	1006	CLA	CHD-C1D-ND	-3.03	120.53	124.80
14	B	814	CLA	CMB-C2B-C3B	3.03	133.68	126.55
14	Z	836	CLA	CHD-C1D-ND	-3.03	120.54	124.80
14	B	830	CLA	CMA-C3A-C4A	3.03	119.92	111.77
14	G	841	CLA	CMC-C2C-C1C	3.03	129.77	125.03
14	A	819	CLA	C2B-C1B-NB	3.03	113.47	110.33
14	G	820	CLA	C3D-C4D-ND	3.03	114.91	109.99
14	G	839	CLA	O2A-C1-C2	3.03	119.76	108.11
14	Z	836	CLA	C4D-C3D-CAD	3.03	111.39	108.11
17	T	102	BCR	C36-C18-C19	-3.03	113.46	118.09
14	Z	838	CLA	O2A-CGA-CBA	3.03	121.07	111.83
17	f	103	BCR	C3-C4-C5	-3.03	108.66	114.06
14	h	207	CLA	CMC-C2C-C1C	3.03	129.76	125.03
14	A	819	CLA	CAC-C3C-C4C	3.03	128.73	124.79
14	B	820	CLA	C4A-NA-C1A	3.03	108.06	106.68
14	B	836	CLA	C3D-C4D-ND	3.03	114.91	109.99
14	H	819	CLA	C2B-C1B-NB	3.03	113.46	110.33
14	J	101	CLA	C4D-C3D-CAD	3.02	111.39	108.11
14	H	806	CLA	O1D-CGD-CBD	-3.02	118.55	124.52
14	Z	831	CLA	C2B-C1B-NB	3.02	113.46	110.33
14	G	835	CLA	C3D-C4D-ND	3.02	114.90	109.99
14	Y	829	CLA	O2A-CGA-CBA	3.02	121.05	111.83
14	Y	832	CLA	CMC-C2C-C1C	3.02	129.76	125.03
17	A	845	BCR	C36-C18-C17	-3.02	117.92	122.82
14	S	1103	CLA	C3D-C4D-ND	3.02	114.90	109.99
14	H	822	CLA	C1-C2-C3	-3.02	121.25	126.20
14	Z	827	CLA	CHD-C1D-ND	-3.02	120.55	124.80
14	S	1102	CLA	CHD-C1D-ND	-3.02	120.55	124.80
17	U	1007	BCR	C34-C9-C10	-3.02	117.92	122.82
17	Y	846	BCR	C37-C22-C21	-3.02	117.92	122.82
14	G	822	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	A	826	CLA	CMD-C2D-C3D	-3.02	120.76	127.69
14	H	807	CLA	CED-O2D-CGD	3.02	122.77	115.92
14	Y	823	CLA	C3D-C4D-ND	3.02	114.89	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	839	CLA	O2A-C1-C2	3.02	119.73	108.11
14	G	818	CLA	C1-O2A-CGA	3.02	123.96	116.65
17	B	843	BCR	C37-C22-C23	3.02	121.53	114.59
17	S	1104	BCR	C33-C5-C4	3.02	120.03	113.60
14	G	814	CLA	CAA-CBA-CGA	-3.02	104.64	113.21
17	i	101	BCR	C33-C5-C6	-3.02	121.19	124.48
14	H	808	CLA	CMC-C2C-C1C	3.02	129.75	125.03
14	Z	817	CLA	C2B-C1B-NB	3.02	113.45	110.33
14	Z	833	CLA	C4D-C3D-CAD	3.02	111.38	108.11
14	H	826	CLA	CMB-C2B-C1B	3.02	130.01	125.42
14	A	826	CLA	O2A-C1-C2	3.02	119.71	108.11
14	Y	836	CLA	O2A-CGA-CBA	3.02	123.53	114.00
14	U	1006	CLA	CAC-C3C-C4C	3.02	128.71	124.79
14	G	824	CLA	C3C-C4C-NC	3.01	114.29	110.43
14	G	822	CLA	CMD-C2D-C3D	-3.01	120.78	127.69
14	A	833	CLA	C1-O2A-CGA	-3.01	109.36	116.65
14	G	806	CLA	C1-O2A-CGA	3.01	123.94	116.65
14	H	831	CLA	CHD-C1D-ND	-3.01	120.56	124.80
14	H	819	CLA	CMC-C2C-C1C	3.01	129.74	125.03
14	Y	811	CLA	CAA-C2A-C3A	-3.01	104.86	113.00
14	Z	828	CLA	CHD-C1D-ND	-3.01	120.56	124.80
14	G	821	CLA	CMB-C2B-C1B	3.01	130.00	125.42
14	Y	824	CLA	CMB-C2B-C1B	3.01	130.00	125.42
14	A	818	CLA	CMC-C2C-C1C	3.01	129.74	125.03
14	Z	823	CLA	CMD-C2D-C3D	-3.01	120.79	127.69
14	H	831	CLA	CHB-C4A-NA	3.01	128.74	124.40
17	G	854	BCR	C29-C30-C25	-3.01	106.07	110.44
14	B	837	CLA	C3D-C4D-ND	3.01	114.88	109.99
14	G	825	CLA	CMC-C2C-C1C	3.01	129.74	125.03
13	G	801	CL0	C4D-C3D-CAD	3.01	111.37	108.11
14	Y	833	CLA	CHD-C1D-ND	-3.01	120.57	124.80
14	H	824	CLA	C4-C3-C5	3.01	120.45	115.23
14	Y	827	CLA	O2A-C1-C2	3.01	119.69	108.11
14	A	810	CLA	O2A-CGA-CBA	3.01	123.50	114.00
14	Y	807	CLA	C2B-C1B-NB	3.01	113.44	110.33
14	A	811	CLA	CHD-C1D-ND	-3.01	120.57	124.80
14	Y	802	CLA	CHD-C1D-ND	-3.01	120.57	124.80
17	Y	856	BCR	C34-C9-C8	3.01	122.68	118.09
14	T	103	CLA	C3D-C4D-ND	3.01	114.87	109.99
14	B	830	CLA	CHD-C1D-ND	-3.01	120.57	124.80
14	S	1101	CLA	O2A-C1-C2	3.00	119.67	108.11
14	H	805	CLA	CMB-C2B-C1B	3.00	129.99	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	845	BCR	C33-C5-C4	3.00	120.00	113.60
17	Y	848	BCR	C33-C5-C4	3.00	120.00	113.60
14	A	820	CLA	O1D-CGD-CBD	-3.00	118.59	124.52
14	B	823	CLA	CMA-C3A-C4A	3.00	119.85	111.77
17	T	102	BCR	C37-C22-C21	-3.00	117.95	122.82
14	A	842	CLA	C3D-C4D-ND	3.00	114.87	109.99
14	L	201	CLA	C1-O2A-CGA	3.00	123.92	116.65
14	Q	203	CLA	C2B-C1B-NB	3.00	113.44	110.33
14	Z	833	CLA	CHD-C1D-ND	-3.00	120.58	124.80
14	Y	818	CLA	C3D-C4D-ND	3.00	114.87	109.99
14	B	840	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	Y	854	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	G	825	CLA	CMA-C3A-C4A	3.00	119.84	111.77
14	A	819	CLA	C3D-C4D-ND	3.00	114.86	109.99
14	B	803	CLA	CHD-C1D-ND	-3.00	120.58	124.80
14	Z	805	CLA	CHC-C1C-C2C	-3.00	118.42	126.95
14	A	817	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	B	827	CLA	CMD-C2D-C3D	-3.00	120.81	127.69
14	B	805	CLA	CMD-C2D-C3D	-3.00	120.81	127.69
14	B	824	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
14	Y	834	CLA	CBB-CAB-C3B	-3.00	112.54	127.53
14	A	818	CLA	CMA-C3A-C4A	3.00	119.83	111.77
14	G	814	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	G	827	CLA	CMC-C2C-C1C	3.00	129.72	125.03
14	H	809	CLA	CMA-C3A-C4A	3.00	119.83	111.77
14	A	835	CLA	O2A-CGA-CBA	3.00	123.47	114.00
14	f	101	CLA	CHD-C1D-ND	-3.00	120.59	124.80
14	T	101	CLA	C4D-C3D-CAD	3.00	111.44	107.69
14	U	1004	CLA	C3D-C4D-ND	3.00	114.86	109.99
14	Z	805	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
14	Z	819	CLA	C4D-C3D-CAD	3.00	111.36	108.11
14	Y	810	CLA	CMA-C3A-C4A	3.00	119.82	111.77
14	Z	808	CLA	C3D-C4D-ND	2.99	114.85	109.99
14	Y	809	CLA	C4-C3-C5	2.99	120.42	115.23
14	H	838	CLA	C3C-C4C-NC	2.99	114.27	110.43
14	Z	817	CLA	CED-O2D-CGD	2.99	122.71	115.92
14	L	201	CLA	CMB-C2B-C1B	2.99	129.98	125.42
14	G	816	CLA	CHC-C1C-C2C	-2.99	118.45	126.95
14	d	202	CLA	O2A-CGA-CBA	2.99	123.45	114.00
14	B	804	CLA	C4D-C3D-CAD	2.99	111.36	108.11
14	A	825	CLA	CED-O2D-CGD	2.99	122.70	115.92
14	Z	838	CLA	O2A-C1-C2	2.99	119.62	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	101	CLA	C3D-C4D-ND	2.99	114.85	109.99
14	K	101	CLA	CHD-C1D-ND	-2.99	120.59	124.80
14	Y	838	CLA	CMB-C2B-C1B	2.99	129.97	125.42
14	A	852	CLA	CBC-CAC-C3C	-2.99	104.32	112.42
14	Y	816	CLA	C3D-C4D-ND	2.99	114.85	109.99
14	Y	828	CLA	C3D-C4D-ND	2.99	114.85	109.99
14	Y	827	CLA	CMC-C2C-C1C	2.99	129.71	125.03
14	G	822	CLA	C1-C2-C3	-2.99	121.30	126.20
14	A	830	CLA	CHD-C1D-ND	-2.99	120.60	124.80
14	H	808	CLA	C3D-C4D-ND	2.99	114.84	109.99
14	G	817	CLA	CMA-C3A-C4A	2.99	119.80	111.77
14	Y	822	CLA	CHD-C1D-ND	-2.99	120.60	124.80
14	Y	816	CLA	C2B-C1B-NB	2.99	113.42	110.33
17	B	851	BCR	C7-C8-C9	-2.99	121.82	126.23
14	B	811	CLA	C3D-C4D-ND	2.99	114.84	109.99
14	A	806	CLA	CHB-C4A-NA	2.99	128.71	124.40
14	A	838	CLA	CHD-C1D-ND	-2.99	120.60	124.80
14	Z	820	CLA	C2B-C1B-NB	2.98	113.42	110.33
14	H	825	CLA	C1-C2-C3	-2.98	121.31	126.20
14	G	803	CLA	CMC-C2C-C1C	2.98	129.70	125.03
14	Y	805	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
14	B	823	CLA	CHD-C1D-ND	-2.98	120.60	124.80
14	A	831	CLA	O1D-CGD-CBD	-2.98	118.63	124.52
14	H	816	CLA	C1-O2A-CGA	2.98	123.87	116.65
14	U	1003	CLA	CMD-C2D-C3D	-2.98	120.85	127.69
14	Z	826	CLA	C2B-C1B-NB	2.98	113.42	110.33
17	H	841	BCR	C33-C5-C4	2.98	119.95	113.60
14	Y	805	CLA	CAC-C3C-C4C	2.98	128.67	124.79
14	H	830	CLA	O2A-C1-C2	2.98	119.58	108.11
14	Y	826	CLA	C1-O2A-CGA	2.98	123.86	116.65
14	Y	812	CLA	C4D-C3D-CAD	2.98	111.34	108.11
14	A	817	CLA	O2A-C1-C2	2.98	119.57	108.11
14	H	804	CLA	C1-O2A-CGA	2.98	123.86	116.65
14	G	807	CLA	CMB-C2B-C1B	2.98	129.95	125.42
14	A	807	CLA	C1-C2-C3	-2.98	121.32	126.20
14	G	813	CLA	C1-C2-C3	-2.98	121.32	126.20
14	U	1004	CLA	CHD-C1D-ND	-2.98	120.61	124.80
17	A	849	BCR	C37-C22-C21	-2.98	118.00	122.82
14	B	841	CLA	CAC-C3C-C2C	2.98	133.02	127.56
14	G	836	CLA	C3D-C4D-ND	2.98	114.82	109.99
14	L	205	CLA	O2D-CGD-O1D	-2.98	118.06	123.85
14	Y	808	CLA	CMC-C2C-C1C	2.98	129.68	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	839	CLA	CHD-C1D-ND	-2.97	120.62	124.80
14	Z	817	CLA	CHD-C1D-ND	-2.97	120.62	124.80
14	Y	829	CLA	C3D-C4D-ND	2.97	114.82	109.99
17	f	103	BCR	C1-C6-C5	-2.97	118.57	122.64
17	B	843	BCR	C8-C7-C6	-2.97	119.06	127.00
14	T	103	CLA	CMC-C2C-C1C	2.97	129.68	125.03
14	A	815	CLA	C2B-C1B-NB	2.97	113.41	110.33
14	A	803	CLA	C6-C5-C3	-2.97	106.23	113.47
14	A	840	CLA	CMD-C2D-C3D	-2.97	120.87	127.69
14	B	807	CLA	C4-C3-C5	2.97	120.39	115.23
14	Y	837	CLA	O2A-C1-C2	2.97	119.54	108.11
14	Y	825	CLA	C4D-C3D-CAD	2.97	111.33	108.11
14	B	805	CLA	C3D-C4D-ND	2.97	114.81	109.99
14	U	1006	CLA	CED-O2D-CGD	2.97	122.65	115.92
14	A	837	CLA	CMD-C2D-C3D	-2.97	120.88	127.69
14	Y	836	CLA	C3D-C4D-ND	2.97	114.81	109.99
17	f	104	BCR	C7-C6-C5	-2.97	114.72	121.56
14	B	829	CLA	CHB-C4A-NA	2.97	128.68	124.40
14	Y	826	CLA	CHD-C1D-ND	-2.97	120.63	124.80
14	B	808	CLA	C2B-C1B-NB	2.97	113.40	110.33
14	Z	821	CLA	CAC-C3C-C4C	2.97	128.65	124.79
14	G	826	CLA	C4D-C3D-CAD	2.97	111.33	108.11
17	d	203	BCR	C23-C24-C25	-2.97	119.08	127.00
14	A	827	CLA	CHD-C1D-ND	-2.97	120.63	124.80
14	G	833	CLA	C3D-C4D-ND	2.97	114.81	109.99
14	B	823	CLA	C2B-C1B-NB	2.97	113.40	110.33
14	G	820	CLA	CMA-C3A-C4A	2.96	119.74	111.77
14	G	841	CLA	C4D-C3D-CAD	2.96	111.33	108.11
14	G	826	CLA	CMA-C3A-C4A	2.96	119.74	111.77
14	B	841	CLA	CMB-C2B-C1B	2.96	129.93	125.42
14	K	103	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	Y	824	CLA	CHD-C1D-ND	-2.96	120.63	124.80
14	G	819	CLA	CMB-C2B-C3B	2.96	133.52	126.55
14	Y	819	CLA	O2A-C1-C2	2.96	119.51	108.11
14	B	831	CLA	CMA-C3A-C4A	2.96	119.73	111.77
14	A	806	CLA	C3D-C4D-ND	2.96	114.80	109.99
14	H	814	CLA	C3D-C4D-ND	2.96	114.80	109.99
14	L	206	CLA	C3D-C4D-ND	2.96	114.80	109.99
17	f	104	BCR	C30-C25-C26	-2.96	118.59	122.64
14	Z	804	CLA	CED-O2D-CGD	2.96	122.63	115.92
14	B	822	CLA	CMD-C2D-C3D	-2.96	120.90	127.69
14	G	841	CLA	C3C-C4C-NC	2.96	114.22	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	841	BCR	C27-C26-C25	-2.96	118.71	122.70
17	i	101	BCR	C4-C5-C6	-2.96	118.71	122.70
14	Y	811	CLA	C3D-C4D-ND	2.96	114.80	109.99
14	J	102	CLA	CHD-C1D-ND	-2.96	120.64	124.80
14	B	821	CLA	CMD-C2D-C3D	-2.96	120.91	127.69
14	G	838	CLA	CMD-C2D-C3D	-2.96	120.91	127.69
14	K	101	CLA	C2B-C1B-NB	2.96	113.39	110.33
14	H	811	CLA	CAA-C2A-C3A	-2.96	105.01	113.00
17	M	101	BCR	C7-C6-C5	-2.96	114.74	121.56
14	H	838	CLA	OBD-CAD-C3D	-2.96	121.50	128.42
14	J	101	CLA	CHD-C1D-ND	-2.96	120.64	124.80
17	H	844	BCR	C33-C5-C4	2.96	119.90	113.60
17	J	104	BCR	C37-C22-C21	-2.96	118.03	122.82
14	Z	829	CLA	C3D-C4D-ND	2.96	114.79	109.99
14	B	824	CLA	C3C-C4C-NC	2.96	114.22	110.43
14	G	829	CLA	C1-C2-C3	-2.96	121.36	126.20
14	B	810	CLA	O1D-CGD-CBD	-2.95	118.69	124.52
14	B	838	CLA	OBD-CAD-C3D	-2.95	121.51	128.42
14	Z	826	CLA	CHD-C1D-ND	-2.95	120.64	124.80
14	G	814	CLA	CMB-C2B-C1B	2.95	129.92	125.42
14	G	822	CLA	CMA-C3A-C4A	2.95	119.71	111.77
14	H	815	CLA	CED-O2D-CGD	2.95	122.61	115.92
14	B	834	CLA	CMC-C2C-C1C	2.95	129.65	125.03
14	H	821	CLA	CMD-C2D-C3D	-2.95	120.92	127.69
14	Z	839	CLA	CMD-C2D-C3D	-2.95	120.92	127.69
17	B	843	BCR	C33-C5-C6	-2.95	121.26	124.48
14	Y	819	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	Y	828	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	A	830	CLA	C2B-C1B-NB	2.95	113.38	110.33
14	G	819	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	H	835	CLA	O2A-CGA-CBA	2.95	120.82	111.83
14	Y	831	CLA	CHD-C1D-ND	-2.95	120.65	124.80
14	Y	802	CLA	CAC-C3C-C4C	2.95	128.62	124.79
14	A	804	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	Y	831	CLA	O2A-C1-C2	2.95	119.45	108.11
14	Z	813	CLA	O2A-CGA-CBA	2.95	123.31	114.00
14	U	1006	CLA	C3C-C4C-NC	2.95	114.20	110.43
14	Z	808	CLA	C3B-C2B-C1B	-2.95	103.70	107.17
14	B	833	CLA	CAA-CBA-CGA	-2.95	104.84	113.21
14	G	816	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	H	812	CLA	C3D-C4D-ND	2.95	114.78	109.99
14	Z	815	CLA	OBD-CAD-C3D	-2.95	121.53	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	813	CLA	O2A-C1-C2	2.95	119.44	108.11
14	V	1201	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
14	X	1701	CLA	CMA-C3A-C4A	2.95	119.69	111.77
14	Z	801	CLA	CED-O2D-CGD	2.95	122.60	115.92
14	H	805	CLA	CMC-C2C-C1C	2.94	129.63	125.03
17	B	848	BCR	C39-C30-C25	-2.94	105.63	110.24
14	Y	854	CLA	C4D-C3D-CAD	2.94	111.30	108.11
14	Y	834	CLA	O2A-C1-C2	2.94	119.44	108.11
14	A	813	CLA	CMD-C2D-C3D	-2.94	120.94	127.69
14	H	819	CLA	CHD-C1D-ND	-2.94	120.66	124.80
15	Z	840	PQN	C14-C13-C15	2.94	120.34	115.23
14	S	1101	CLA	C3D-C4D-ND	2.94	114.77	109.99
14	Y	836	CLA	CMC-C2C-C1C	2.94	129.63	125.03
17	Y	851	BCR	C3-C4-C5	-2.94	108.81	114.06
14	A	826	CLA	C2B-C1B-NB	2.94	113.38	110.33
14	Z	834	CLA	C2B-C1B-NB	2.94	113.38	110.33
15	A	843	PQN	C14-C13-C15	2.94	120.33	115.23
14	H	816	CLA	C2B-C1B-NB	2.94	113.38	110.33
17	H	845	BCR	C3-C4-C5	-2.94	108.81	114.06
14	Z	803	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
17	H	845	BCR	C36-C18-C19	-2.94	113.60	118.09
17	e	101	BCR	C40-C30-C25	2.94	114.85	110.24
13	A	801	CL0	O2D-CGD-O1D	-2.94	118.13	123.85
14	H	820	CLA	CMD-C2D-C3D	-2.94	120.95	127.69
14	G	818	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
14	Y	855	CLA	C1-O2A-CGA	2.94	123.77	116.65
14	H	825	CLA	C4D-C3D-CAD	2.94	111.30	108.11
17	L	208	BCR	C1-C6-C5	-2.94	118.62	122.64
14	G	821	CLA	CMC-C2C-C1C	2.94	129.63	125.03
14	H	832	CLA	CAC-C3C-C4C	2.94	128.61	124.79
14	Z	805	CLA	C3D-C4D-ND	2.94	114.76	109.99
14	A	840	CLA	C4-C3-C5	2.94	120.33	115.23
14	K	101	CLA	C4D-C3D-CAD	2.94	111.37	107.69
17	i	101	BCR	C27-C26-C25	-2.94	118.73	122.70
14	A	826	CLA	C1-O2A-CGA	2.94	123.76	116.65
17	B	844	BCR	C39-C30-C25	-2.94	105.64	110.24
14	B	801	CLA	CHC-C1C-C2C	-2.94	118.61	126.95
17	Y	856	BCR	C37-C22-C23	2.94	122.57	118.09
14	A	840	CLA	C4D-C3D-CAD	2.94	111.29	108.11
14	B	836	CLA	CMD-C2D-C3D	-2.94	120.96	127.69
17	J	103	BCR	C34-C9-C10	-2.93	118.06	122.82
14	B	829	CLA	C3D-C4D-ND	2.93	114.76	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	832	CLA	CMB-C2B-C1B	2.93	129.89	125.42
17	Y	847	BCR	C28-C27-C26	-2.93	108.82	114.06
14	Z	803	CLA	CMB-C2B-C3B	2.93	133.45	126.55
14	A	806	CLA	C4D-C3D-CAD	2.93	111.29	108.11
14	H	827	CLA	C4C-C3C-C2C	-2.93	102.62	106.89
14	Z	821	CLA	C3D-C4D-ND	2.93	114.75	109.99
14	B	813	CLA	CHC-C1C-C2C	-2.93	118.62	126.95
14	Y	820	CLA	C1-O2A-CGA	2.93	123.75	116.65
14	B	813	CLA	O1D-CGD-CBD	-2.93	118.74	124.52
14	Z	815	CLA	CMB-C2B-C1B	2.93	129.88	125.42
14	B	806	CLA	CHB-C4A-NA	2.93	128.63	124.40
14	L	207	CLA	CMB-C2B-C3B	2.93	133.44	126.55
14	Y	822	CLA	C3D-C4D-ND	2.93	114.75	109.99
14	g	101	CLA	CHD-C1D-ND	-2.93	120.68	124.80
14	S	1103	CLA	C2B-C1B-NB	2.93	113.36	110.33
14	d	201	CLA	C2B-C1B-NB	2.93	113.36	110.33
14	G	835	CLA	CMC-C2C-C1C	2.93	129.61	125.03
14	Y	812	CLA	CHD-C1D-ND	-2.93	120.68	124.80
14	B	812	CLA	C4D-C3D-CAD	2.93	111.28	108.11
14	Z	831	CLA	C4D-C3D-CAD	2.93	111.28	108.11
14	H	809	CLA	C3D-C4D-ND	2.92	114.74	109.99
14	B	802	CLA	C2B-C1B-NB	2.92	113.36	110.33
14	L	207	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
14	B	838	CLA	CHD-C1D-ND	-2.92	120.69	124.80
14	B	823	CLA	O2D-CGD-CBD	2.92	116.34	111.23
14	Y	832	CLA	CHD-C1D-ND	-2.92	120.69	124.80
14	G	853	CLA	O2A-CGA-CBA	2.92	123.23	114.00
17	H	842	BCR	C37-C22-C23	2.92	122.55	118.09
14	V	1201	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	Y	802	CLA	O2A-C1-C2	2.92	119.35	108.11
14	H	825	CLA	CMC-C2C-C1C	2.92	129.60	125.03
14	Q	203	CLA	C3D-C4D-ND	2.92	114.73	109.99
17	H	843	BCR	C35-C13-C12	2.92	121.31	114.59
14	B	808	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	B	826	CLA	C1-O2A-CGA	2.92	123.72	116.65
14	W	1701	CLA	C2B-C1B-NB	2.92	113.35	110.33
14	Z	817	CLA	O2A-C1-C2	2.92	119.34	108.11
14	B	804	CLA	O2D-CGD-CBD	2.92	116.33	111.23
14	B	819	CLA	O2A-C1-C2	2.92	119.34	108.11
14	Y	833	CLA	CMC-C2C-C1C	2.92	129.59	125.03
14	L	207	CLA	O2A-C1-C2	2.92	119.34	108.11
14	h	201	CLA	CHD-C1D-ND	-2.92	120.69	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	824	CLA	CED-O2D-CGD	2.92	122.54	115.92
14	G	816	CLA	O2A-C1-C2	2.92	119.33	108.11
14	A	827	CLA	CMC-C2C-C1C	2.92	129.59	125.03
14	U	1006	CLA	O2A-C1-C2	2.92	119.33	108.11
14	A	831	CLA	CAC-C3C-C4C	2.92	128.58	124.79
14	Y	843	CLA	CHD-C1D-ND	-2.92	120.70	124.80
14	Y	831	CLA	O2A-CGA-CBA	2.91	120.72	111.83
14	G	821	CLA	CHD-C1D-ND	-2.91	120.70	124.80
14	Z	809	CLA	CMC-C2C-C1C	2.91	129.59	125.03
14	H	813	CLA	C4D-C3D-CAD	2.91	111.27	108.11
14	A	829	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
14	G	812	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	Y	809	CLA	CMA-C3A-C4A	2.91	119.60	111.77
14	Y	835	CLA	C4D-C3D-CAD	2.91	111.27	108.11
14	H	827	CLA	C2B-C1B-NB	2.91	113.34	110.33
14	H	816	CLA	CHD-C1D-ND	-2.91	120.71	124.80
14	Y	841	CLA	CHD-C1D-ND	-2.91	120.71	124.80
14	Z	809	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	G	817	CLA	C4-C3-C5	2.91	120.28	115.23
14	A	803	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
14	B	831	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	A	821	CLA	CMD-C2D-C3D	-2.91	121.02	127.69
14	Y	807	CLA	CMB-C2B-C1B	2.91	129.85	125.42
14	G	824	CLA	CED-O2D-CGD	2.91	122.51	115.92
17	H	844	BCR	C3-C4-C5	-2.91	108.87	114.06
14	G	827	CLA	C2B-C1B-NB	2.91	113.34	110.33
14	A	839	CLA	CMA-C3A-C4A	2.91	119.59	111.77
14	Z	820	CLA	O2A-C1-C2	2.91	119.30	108.11
14	H	838	CLA	C3D-C4D-ND	2.91	114.71	109.99
14	G	820	CLA	C4D-C3D-CAD	2.91	111.26	108.11
14	Z	829	CLA	CHD-C1D-ND	-2.91	120.71	124.80
14	B	831	CLA	C2B-C1B-NB	2.91	113.34	110.33
14	G	841	CLA	C1-O2A-CGA	2.91	123.69	116.65
14	Z	819	CLA	CMB-C2B-C3B	2.91	133.38	126.55
14	Y	804	CLA	CMA-C3A-C4A	2.91	119.58	111.77
14	Z	824	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	Z	810	CLA	C2B-C1B-NB	2.91	113.34	110.33
14	d	202	CLA	CMC-C2C-C1C	2.91	129.57	125.03
14	Y	819	CLA	CMD-C2D-C3D	-2.90	121.03	127.69
14	Q	201	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
14	A	808	CLA	C3D-C4D-ND	2.90	114.71	109.99
14	g	101	CLA	CMA-C3A-C4A	2.90	119.58	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	834	CLA	O2A-CGA-CBA	2.90	120.69	111.83
14	B	834	CLA	CHD-C1D-ND	-2.90	120.72	124.80
14	Z	834	CLA	CHD-C1D-ND	-2.90	120.72	124.80
14	B	823	CLA	CED-O2D-CGD	2.90	122.50	115.92
14	B	803	CLA	CMB-C2B-C1B	2.90	129.84	125.42
14	J	101	CLA	CMB-C2B-C1B	2.90	129.84	125.42
14	H	826	CLA	CHB-C4A-NA	2.90	128.59	124.40
14	H	805	CLA	C3D-C4D-ND	2.90	114.70	109.99
14	G	842	CLA	O2D-CGD-CBD	2.90	116.30	111.23
14	Z	828	CLA	C3C-C4C-NC	2.90	114.15	110.43
14	Z	827	CLA	CHC-C1C-C2C	-2.90	118.70	126.95
14	A	820	CLA	CMC-C2C-C1C	2.90	129.57	125.03
14	A	822	CLA	CED-O2D-CGD	2.90	122.50	115.92
14	G	833	CLA	CMC-C2C-C1C	2.90	129.57	125.03
17	Z	845	BCR	C12-C13-C14	2.90	123.57	119.01
17	f	105	BCR	C30-C25-C26	-2.90	118.67	122.64
14	Y	810	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
17	Q	202	BCR	C3-C4-C5	-2.90	108.89	114.06
14	H	814	CLA	CAA-CBA-CGA	2.90	120.22	112.49
14	V	1201	CLA	O1D-CGD-CBD	-2.90	118.80	124.52
14	B	831	CLA	O2A-CGA-CBA	2.90	123.16	114.00
14	d	202	CLA	C3D-C4D-ND	2.90	114.70	109.99
14	H	833	CLA	C4D-C3D-CAD	2.90	111.25	108.11
14	A	831	CLA	CHD-C1D-ND	-2.90	120.72	124.80
14	A	808	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
17	i	101	BCR	C2-C1-C6	2.90	114.65	110.44
14	Z	805	CLA	CED-O2D-CGD	2.90	122.49	115.92
14	A	803	CLA	O2A-C1-C2	2.90	119.25	108.11
14	Y	824	CLA	O2A-C1-C2	2.90	119.25	108.11
17	B	845	BCR	C34-C9-C10	-2.90	118.12	122.82
14	Z	816	CLA	C3D-C4D-ND	2.89	114.69	109.99
14	B	832	CLA	O1D-CGD-CBD	-2.89	118.81	124.52
14	A	818	CLA	C3D-C4D-ND	2.89	114.69	109.99
17	Z	843	BCR	C37-C22-C23	2.89	122.51	118.09
14	S	1101	CLA	CHD-C1D-ND	-2.89	120.73	124.80
14	B	828	CLA	C1-O2A-CGA	2.89	123.65	116.65
14	Z	836	CLA	CMC-C2C-C1C	2.89	129.55	125.03
14	H	812	CLA	O1D-CGD-CBD	-2.89	118.81	124.52
14	L	206	CLA	O1D-CGD-CBD	-2.89	118.82	124.52
14	Y	818	CLA	CHB-C4A-NA	2.89	128.57	124.40
14	A	827	CLA	CMD-C2D-C3D	-2.89	121.06	127.69
14	Y	830	CLA	C3C-C4C-NC	2.89	114.13	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	816	CLA	CHD-C1D-ND	-2.89	120.73	124.80
14	G	827	CLA	C3C-C4C-NC	2.89	114.13	110.43
14	G	802	CLA	CHD-C1D-ND	-2.89	120.74	124.80
14	H	823	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
14	Y	814	CLA	C3C-C4C-NC	2.89	114.13	110.43
14	G	836	CLA	C2B-C1B-NB	2.89	113.32	110.33
14	Z	805	CLA	CHD-C1D-ND	-2.89	120.74	124.80
14	G	809	CLA	CMC-C2C-C1C	2.89	129.55	125.03
17	G	849	BCR	C31-C1-C6	2.89	114.77	110.24
14	H	837	CLA	C3D-C4D-ND	2.89	114.68	109.99
14	H	818	CLA	C4D-C3D-CAD	2.89	111.24	108.11
17	Y	851	BCR	C37-C22-C21	-2.89	118.14	122.82
17	Z	846	BCR	C34-C9-C10	-2.89	118.14	122.82
14	A	821	CLA	O2A-C1-C2	2.89	119.22	108.11
15	G	844	PQN	C11-C3-C2	-2.89	119.94	124.89
14	B	809	CLA	CMA-C3A-C4A	2.89	119.53	111.77
14	V	1201	CLA	CMC-C2C-C1C	2.89	129.54	125.03
14	H	836	CLA	C3D-C4D-ND	2.89	114.68	109.99
14	L	202	CLA	CAC-C3C-C4C	2.88	128.54	124.79
14	B	820	CLA	C3D-C4D-ND	2.88	114.67	109.99
14	Z	807	CLA	C3D-C4D-ND	2.88	114.67	109.99
14	A	827	CLA	OBD-CAD-C3D	-2.88	121.68	128.42
14	Y	822	CLA	C4D-C3D-CAD	2.88	111.24	108.11
14	Z	813	CLA	CAA-C2A-C3A	-2.88	105.21	113.00
14	A	812	CLA	CMA-C3A-C4A	2.88	119.52	111.77
14	Z	825	CLA	C3D-C4D-ND	2.88	114.67	109.99
14	L	207	CLA	CMC-C2C-C1C	2.88	129.54	125.03
14	j	102	CLA	C4D-C3D-CAD	2.88	111.24	108.11
14	Z	822	CLA	CMC-C2C-C1C	2.88	129.54	125.03
14	J	101	CLA	CMA-C3A-C4A	2.88	119.52	111.77
14	Y	814	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
14	L	207	CLA	C3D-C4D-ND	2.88	114.67	109.99
14	G	804	CLA	CHB-C4A-NA	2.88	128.56	124.40
14	B	808	CLA	CHD-C1D-ND	-2.88	120.75	124.80
14	Z	833	CLA	C3D-C4D-ND	2.88	114.67	109.99
17	G	848	BCR	C38-C26-C27	2.88	119.74	113.60
14	Y	833	CLA	O2A-CGA-CBA	2.88	120.61	111.83
14	Y	855	CLA	CED-O2D-CGD	2.88	122.45	115.92
14	A	805	CLA	CHD-C1D-ND	-2.88	120.75	124.80
14	B	815	CLA	CHD-C1D-ND	-2.88	120.75	124.80
14	Z	822	CLA	C4-C3-C5	2.88	120.22	115.23
17	Q	202	BCR	C30-C25-C26	-2.88	118.70	122.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	j	102	CLA	CMD-C2D-C3D	-2.88	121.09	127.69
14	A	839	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
14	g	102	CLA	CHD-C1D-ND	-2.88	120.75	124.80
14	G	835	CLA	OBD-CAD-C3D	-2.88	121.69	128.42
14	H	816	CLA	C3D-C4D-ND	2.88	114.66	109.99
17	H	844	BCR	C7-C6-C5	-2.88	114.93	121.56
14	H	822	CLA	C3D-C4D-ND	2.88	114.66	109.99
14	Z	833	CLA	CMB-C2B-C1B	2.88	129.80	125.42
14	H	828	CLA	O1D-CGD-CBD	-2.87	118.85	124.52
14	G	831	CLA	CMC-C2C-C1C	2.87	129.53	125.03
17	V	1202	BCR	C34-C9-C10	-2.87	118.16	122.82
14	G	825	CLA	C3D-C4D-ND	2.87	114.66	109.99
14	Y	803	CLA	O1D-CGD-CBD	-2.87	118.85	124.52
14	Z	830	CLA	C3D-C4D-ND	2.87	114.66	109.99
14	Y	805	CLA	O2A-CGA-CBA	2.87	120.59	111.83
14	Y	855	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	Y	818	CLA	CMB-C2B-C3B	2.87	133.31	126.55
14	f	101	CLA	O2A-CGA-CBA	2.87	123.08	114.00
14	B	818	CLA	O2A-C1-C2	2.87	119.16	108.11
14	G	822	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	Z	813	CLA	C3D-C4D-ND	2.87	114.65	109.99
14	H	833	CLA	CHD-C1D-ND	-2.87	120.76	124.80
14	B	811	CLA	OBD-CAD-C3D	-2.87	121.71	128.42
14	B	835	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	Z	832	CLA	CMD-C2D-C3D	-2.87	121.11	127.69
14	H	836	CLA	C3C-C4C-NC	2.87	114.11	110.43
17	Q	204	BCR	C31-C1-C6	-2.87	105.75	110.24
17	G	850	BCR	C36-C18-C19	-2.87	113.71	118.09
14	G	831	CLA	C2B-C1B-NB	2.87	113.30	110.33
14	G	808	CLA	O1D-CGD-CBD	-2.87	118.86	124.52
19	B	849	LMG	O1-C1-C2	2.87	112.63	108.27
14	G	814	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
14	Z	832	CLA	CHD-C1D-ND	-2.87	120.77	124.80
17	F	203	BCR	C31-C1-C6	-2.87	105.75	110.24
14	Y	827	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
14	H	822	CLA	CMD-C2D-C3D	-2.86	121.12	127.69
14	A	852	CLA	CMC-C2C-C1C	2.86	129.51	125.03
14	A	815	CLA	CMA-C3A-C4A	2.86	119.47	111.77
14	H	812	CLA	CMA-C3A-C4A	2.86	119.47	111.77
14	B	807	CLA	C4D-C3D-CAD	2.86	111.22	108.11
14	Y	826	CLA	C4D-C3D-CAD	2.86	111.22	108.11
14	U	1003	CLA	C1-C2-C3	-2.86	121.51	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	850	LHG	O8-C23-C24	2.86	120.56	111.83
14	Y	826	CLA	O2A-C1-C2	2.86	119.11	108.11
14	Z	829	CLA	CMA-C3A-C4A	2.86	119.46	111.77
14	Z	823	CLA	C3D-C4D-ND	2.86	114.64	109.99
14	Y	827	CLA	CMB-C2B-C1B	2.86	129.77	125.42
14	B	825	CLA	CMC-C2C-C1C	2.86	129.50	125.03
14	H	824	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	Y	836	CLA	CHD-C1D-ND	-2.86	120.78	124.80
14	Y	831	CLA	CED-O2D-CGD	2.86	122.39	115.92
17	L	203	BCR	C38-C26-C25	-2.86	121.37	124.48
17	Z	844	BCR	C36-C18-C19	-2.86	113.73	118.09
14	B	818	CLA	C2B-C1B-NB	2.86	113.29	110.33
14	g	101	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	Z	806	CLA	C4D-C3D-CAD	2.86	111.21	108.11
14	Z	821	CLA	C4D-C3D-CAD	2.86	111.21	108.11
14	H	815	CLA	O2A-C1-C2	2.86	119.09	108.11
17	G	847	BCR	C33-C5-C6	-2.85	121.37	124.48
14	L	202	CLA	C3D-C4D-ND	2.85	114.63	109.99
14	A	809	CLA	C2B-C1B-NB	2.85	113.28	110.33
14	Z	825	CLA	CED-O2D-CGD	2.85	122.39	115.92
14	G	813	CLA	CMD-C2D-C3D	-2.85	121.15	127.69
14	G	832	CLA	CHD-C1D-ND	-2.85	120.79	124.80
14	f	101	CLA	C4D-C3D-CAD	2.85	111.20	108.11
14	G	826	CLA	C4-C3-C5	2.85	120.18	115.23
14	B	807	CLA	CMD-C2D-C3D	-2.85	121.15	127.69
14	A	804	CLA	C1-O2A-CGA	2.85	123.55	116.65
14	Y	838	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	Y	827	CLA	C4A-NA-C1A	2.85	107.98	106.68
14	B	817	CLA	C3D-C4D-ND	2.85	114.62	109.99
14	B	840	CLA	CMB-C2B-C1B	2.85	129.76	125.42
14	Z	812	CLA	CMB-C2B-C3B	2.85	133.25	126.55
14	B	828	CLA	CMD-C2D-C3D	-2.85	121.15	127.69
14	A	833	CLA	C4D-C3D-CAD	2.85	111.20	108.11
17	A	845	BCR	C23-C24-C25	-2.85	119.39	127.00
14	H	827	CLA	CMB-C2B-C1B	2.85	129.76	125.42
14	H	811	CLA	C3D-C4D-ND	2.85	114.62	109.99
14	J	102	CLA	C3D-C4D-ND	2.85	114.62	109.99
14	A	817	CLA	CMA-C3A-C4A	2.85	119.43	111.77
14	Z	810	CLA	CHD-C1D-ND	-2.85	120.80	124.80
14	H	807	CLA	CAA-C2A-C3A	-2.85	105.30	113.00
14	Y	828	CLA	CMB-C2B-C3B	2.85	133.25	126.55
14	A	803	CLA	C3C-C4C-NC	2.85	114.08	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	825	CLA	C3D-C4D-ND	2.85	114.61	109.99
14	G	838	CLA	C4D-C3D-CAD	2.85	111.20	108.11
14	B	810	CLA	CHC-C1C-C2C	-2.85	118.86	126.95
14	A	842	CLA	C3C-C4C-NC	2.85	114.08	110.43
14	G	812	CLA	C4D-C3D-CAD	2.85	111.20	108.11
13	Y	801	CL0	O2A-C1-C2	2.84	119.06	108.11
14	A	822	CLA	C3D-C4D-ND	2.84	114.61	109.99
14	Z	808	CLA	C6-C5-C3	-2.84	106.54	113.47
17	i	101	BCR	C30-C25-C26	-2.84	118.75	122.64
14	A	810	CLA	C2B-C1B-NB	2.84	113.27	110.33
14	Z	809	CLA	C2B-C1B-NB	2.84	113.27	110.33
14	Y	829	CLA	CMD-C2D-C3D	-2.84	121.17	127.69
14	Y	834	CLA	CMC-C2C-C1C	2.84	129.47	125.03
14	A	828	CLA	CHD-C1D-ND	-2.84	120.80	124.80
14	G	841	CLA	C3D-C4D-ND	2.84	114.61	109.99
14	G	814	CLA	CGD-CBD-CAD	-2.84	101.65	110.85
14	K	103	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
17	Z	843	BCR	C23-C24-C25	-2.84	119.41	127.00
14	G	828	CLA	C2B-C1B-NB	2.84	113.27	110.33
14	G	836	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	h	205	CLA	CHD-C1D-ND	-2.84	120.81	124.80
14	G	804	CLA	CMB-C2B-C1B	2.84	129.74	125.42
17	S	1104	BCR	C7-C6-C5	-2.84	115.01	121.56
18	A	851	LHG	O8-C23-C24	2.84	120.49	111.83
14	G	839	CLA	CMC-C2C-C1C	2.84	129.47	125.03
14	H	814	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	A	813	CLA	C3D-C4D-ND	2.84	114.60	109.99
14	Y	823	CLA	CMA-C3A-C4A	2.84	119.40	111.77
17	R	102	BCR	C2-C1-C6	2.84	114.56	110.44
14	H	818	CLA	C4A-NA-C1A	2.84	107.97	106.68
14	G	832	CLA	C3D-C4D-ND	2.84	114.60	109.99
14	Z	809	CLA	C1-O2A-CGA	2.84	123.52	116.65
14	Y	837	CLA	CMA-C3A-C4A	2.84	119.39	111.77
14	Y	807	CLA	CMD-C2D-C3D	-2.84	121.19	127.69
14	G	806	CLA	CHD-C1D-ND	-2.83	120.81	124.80
14	Z	814	CLA	O2A-C1-C2	2.83	119.02	108.11
14	B	827	CLA	CHD-C1D-ND	-2.83	120.81	124.80
14	G	828	CLA	CHD-C1D-ND	-2.83	120.81	124.80
14	G	812	CLA	C2B-C1B-NB	2.83	113.27	110.33
17	G	848	BCR	C30-C25-C24	2.83	123.34	115.65
14	G	826	CLA	CMD-C2D-C3D	-2.83	121.19	127.69
17	F	203	BCR	C33-C5-C4	2.83	119.64	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	852	CLA	OBD-CAD-C3D	-2.83	121.79	128.42
14	G	807	CLA	CAC-C3C-C4C	2.83	128.48	124.79
14	G	839	CLA	OBD-CAD-C3D	-2.83	121.80	128.42
14	A	823	CLA	CED-O2D-CGD	2.83	122.34	115.92
14	Y	807	CLA	CED-O2D-CGD	2.83	122.34	115.92
13	G	801	CL0	CMC-C2C-C1C	2.83	129.46	125.03
14	U	1002	CLA	C2B-C1B-NB	2.83	113.26	110.33
14	W	1701	CLA	CMA-C3A-C4A	2.83	119.38	111.77
17	Z	841	BCR	C34-C9-C10	-2.83	118.23	122.82
14	Y	834	CLA	CHB-C1B-C2B	-2.83	119.21	127.43
14	A	842	CLA	CED-O2D-CGD	2.83	122.33	115.92
14	B	815	CLA	CAA-C2A-C3A	-2.83	105.35	113.00
14	A	832	CLA	C3C-C4C-NC	2.83	114.05	110.43
14	Z	836	CLA	CMA-C3A-C4A	2.83	119.38	111.77
14	H	838	CLA	CAC-C3C-C2C	2.83	132.75	127.56
14	H	826	CLA	CHD-C1D-ND	-2.83	120.82	124.80
14	Y	808	CLA	C3C-C4C-NC	2.83	114.05	110.43
17	A	847	BCR	C34-C9-C8	2.83	122.41	118.09
14	A	824	CLA	C3D-C4D-ND	2.83	114.58	109.99
14	A	842	CLA	C2B-C1B-NB	2.83	113.26	110.33
14	H	826	CLA	CAC-C3C-C4C	2.83	128.47	124.79
14	G	810	CLA	C3C-C4C-NC	2.83	114.05	110.43
14	Z	805	CLA	CHB-C4A-NA	2.83	128.48	124.40
17	Y	856	BCR	C34-C9-C10	-2.83	118.24	122.82
14	Z	805	CLA	CAA-C2A-C3A	-2.83	105.36	113.00
14	Z	826	CLA	O2A-C1-C2	2.83	118.98	108.11
14	Z	822	CLA	OBD-CAD-C3D	-2.83	121.81	128.42
14	B	807	CLA	CHC-C1C-C2C	-2.82	118.92	126.95
14	A	820	CLA	CHD-C1D-ND	-2.82	120.83	124.80
14	G	843	CLA	CHC-C4B-NB	2.82	128.28	124.05
14	H	833	CLA	C3D-C4D-ND	2.82	114.58	109.99
14	H	832	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
14	Z	819	CLA	CMD-C2D-C3D	-2.82	121.22	127.69
14	G	814	CLA	CHB-C4A-NA	2.82	128.47	124.40
14	B	804	CLA	CHD-C1D-ND	-2.82	120.83	124.80
14	Y	829	CLA	CAC-C3C-C4C	2.82	128.46	124.79
14	A	835	CLA	C4D-C3D-CAD	2.82	111.17	108.11
14	H	837	CLA	C3C-C4C-NC	2.82	114.05	110.43
14	H	817	CLA	O2A-C1-C2	2.82	118.97	108.11
14	B	806	CLA	OBD-CAD-C3D	-2.82	121.82	128.42
14	G	821	CLA	C4D-C3D-CAD	2.82	111.17	108.11
14	G	843	CLA	C1-C2-C3	-2.82	122.20	126.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	206	CLA	C1-O2A-CGA	2.82	123.48	116.65
17	H	845	BCR	C34-C9-C10	-2.82	118.25	122.82
14	Z	803	CLA	CMC-C2C-C1C	2.82	129.44	125.03
17	Z	845	BCR	C4-C5-C6	-2.82	118.89	122.70
14	G	805	CLA	CAA-C2A-C1A	-2.82	102.73	111.97
14	H	804	CLA	C4D-C3D-CAD	2.82	111.17	108.11
14	B	826	CLA	C4-C3-C5	2.82	120.12	115.23
14	L	201	CLA	CBB-CAB-C3B	-2.82	113.44	127.53
14	A	834	CLA	C1-C2-C3	-2.82	121.58	126.20
14	H	829	CLA	CHD-C1D-ND	-2.82	120.84	124.80
17	Z	842	BCR	C30-C25-C26	-2.82	118.78	122.64
14	L	205	CLA	C4D-C3D-CAD	2.82	111.17	108.11
14	A	833	CLA	O2A-C1-C2	2.82	118.95	108.11
14	V	1201	CLA	CHD-C1D-ND	-2.82	120.84	124.80
14	S	1102	CLA	C2B-C1B-NB	2.82	113.25	110.33
14	A	821	CLA	CMC-C2C-C1C	2.82	129.44	125.03
17	Z	845	BCR	C34-C9-C10	-2.82	118.25	122.82
14	A	815	CLA	CMC-C2C-C1C	2.82	129.43	125.03
14	Z	808	CLA	CHD-C1D-ND	-2.81	120.84	124.80
14	A	823	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	Z	815	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	Y	824	CLA	C2B-C1B-NB	2.81	113.24	110.33
17	G	854	BCR	C38-C26-C27	2.81	119.59	113.60
14	G	813	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	Y	819	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	A	803	CLA	CMA-C3A-C4A	2.81	119.33	111.77
14	B	805	CLA	CMC-C2C-C1C	2.81	129.43	125.03
14	Y	817	CLA	CMB-C2B-C1B	2.81	129.70	125.42
14	B	817	CLA	OBD-CAD-C3D	-2.81	121.84	128.42
14	Z	817	CLA	O1D-CGD-CBD	-2.81	118.97	124.52
14	G	816	CLA	C1-O2A-CGA	2.81	123.46	116.65
14	A	809	CLA	CHC-C1C-C2C	-2.81	118.96	126.95
14	h	205	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	Z	811	CLA	C3D-C4D-ND	2.81	114.56	109.99
14	Y	812	CLA	CMA-C3A-C4A	2.81	119.33	111.77
14	B	814	CLA	CMD-C2D-C3D	-2.81	121.25	127.69
13	Y	801	CL0	C1-O2A-CGA	2.81	123.45	116.65
14	f	101	CLA	C3C-C4C-NC	2.81	114.03	110.43
14	Y	806	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	G	826	CLA	CMB-C2B-C1B	2.81	129.70	125.42
17	H	848	BCR	C29-C30-C25	-2.81	106.36	110.44
14	B	829	CLA	O2A-C1-C2	2.81	118.91	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	822	CLA	CGD-CBD-CAD	-2.81	101.76	110.85
17	S	1104	BCR	C31-C1-C6	-2.81	105.84	110.24
14	Z	822	CLA	C3D-C4D-ND	2.81	114.55	109.99
14	H	821	CLA	O2A-C1-C2	2.81	118.91	108.11
14	Y	817	CLA	C3D-C4D-ND	2.81	114.55	109.99
14	B	834	CLA	CED-O2D-CGD	2.81	122.28	115.92
14	A	824	CLA	CMB-C2B-C1B	2.81	129.69	125.42
14	Y	831	CLA	C2B-C1B-NB	2.81	113.23	110.33
14	Z	813	CLA	CHC-C1C-C2C	-2.81	118.98	126.95
14	B	803	CLA	CMC-C2C-C1C	2.80	129.42	125.03
14	A	814	CLA	CBA-CAA-C2A	2.80	122.14	113.79
14	H	828	CLA	CHD-C1D-ND	-2.80	120.86	124.80
14	Y	826	CLA	O1D-CGD-CBD	-2.80	118.99	124.52
14	Z	807	CLA	C3C-C4C-NC	2.80	114.02	110.43
17	f	104	BCR	C30-C25-C24	2.80	123.25	115.65
14	Z	804	CLA	C3D-C4D-ND	2.80	114.54	109.99
14	A	811	CLA	CMD-C2D-C3D	-2.80	121.26	127.69
14	B	808	CLA	CBB-CAB-C3B	-2.80	113.53	127.53
14	Z	833	CLA	CMD-C2D-C3D	-2.80	121.27	127.69
14	H	838	CLA	CMD-C2D-C3D	-2.80	121.27	127.69
17	B	847	BCR	C33-C5-C6	-2.80	121.43	124.48
14	F	202	CLA	C2B-C1B-NB	2.80	113.23	110.33
14	Y	840	CLA	C3D-C4D-ND	2.80	114.54	109.99
17	L	208	BCR	C7-C8-C9	-2.80	122.09	126.23
14	B	826	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
17	G	846	BCR	C37-C22-C23	2.80	122.36	118.09
14	Z	819	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
14	A	805	CLA	CHB-C4A-NA	2.80	128.44	124.40
14	B	837	CLA	CMA-C3A-C4A	2.80	119.29	111.77
17	h	202	BCR	C3-C4-C5	-2.80	109.07	114.06
14	Y	842	CLA	CED-O2D-CGD	2.80	122.26	115.92
14	Y	821	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
14	J	102	CLA	C4D-C3D-CAD	2.80	111.14	108.11
14	H	826	CLA	O2A-C1-C2	2.80	118.86	108.11
17	f	104	BCR	C33-C5-C6	-2.80	121.43	124.48
14	H	806	CLA	C3D-C4D-ND	2.79	114.53	109.99
14	G	819	CLA	CHC-C1C-C2C	-2.79	119.00	126.95
14	H	813	CLA	C3D-C4D-ND	2.79	114.53	109.99
14	G	808	CLA	CHD-C1D-ND	-2.79	120.87	124.80
17	A	845	BCR	C33-C5-C6	-2.79	121.44	124.48
14	Y	843	CLA	CMC-C2C-C1C	2.79	129.40	125.03
14	Z	827	CLA	CMA-C3A-C4A	2.79	119.28	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	838	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
14	B	820	CLA	O1D-CGD-CBD	-2.79	119.01	124.52
14	G	832	CLA	CHC-C1C-C2C	-2.79	119.01	126.95
14	Y	825	CLA	CAC-C3C-C4C	2.79	128.42	124.79
14	G	839	CLA	CHD-C1D-ND	-2.79	120.87	124.80
14	B	815	CLA	C4D-C3D-CAD	2.79	111.14	108.11
14	K	103	CLA	O2A-CGA-CBA	2.79	122.82	114.00
14	Y	806	CLA	CHD-C1D-ND	-2.79	120.88	124.80
14	B	835	CLA	C2B-C1B-NB	2.79	113.22	110.33
14	B	840	CLA	OBD-CAD-C3D	-2.79	121.89	128.42
14	G	827	CLA	O2A-C1-C2	2.79	118.84	108.11
14	Y	835	CLA	C2B-C1B-NB	2.79	113.22	110.33
14	Z	814	CLA	CMA-C3A-C4A	2.79	119.27	111.77
14	B	839	CLA	CHD-C1D-ND	-2.79	120.88	124.80
14	Y	834	CLA	CHD-C4C-C3C	-2.79	120.71	124.77
14	B	841	CLA	CBA-CAA-C2A	2.79	122.09	113.79
14	Y	829	CLA	CHD-C1D-ND	-2.79	120.88	124.80
17	H	844	BCR	C4-C5-C6	-2.79	118.94	122.70
14	B	839	CLA	CMC-C2C-C1C	2.79	129.39	125.03
14	Y	815	CLA	CMC-C2C-C1C	2.79	129.39	125.03
17	Y	846	BCR	C3-C4-C5	-2.79	109.09	114.06
14	A	832	CLA	CHC-C1C-C2C	-2.79	119.03	126.95
14	K	101	CLA	CAD-CBD-CHA	-2.79	102.11	105.12
14	G	834	CLA	CHD-C1D-ND	-2.79	120.88	124.80
14	A	807	CLA	C4D-C3D-CAD	2.79	111.13	108.11
14	B	811	CLA	CMB-C2B-C1B	2.78	129.66	125.42
14	G	825	CLA	OBD-CAD-C3D	-2.78	121.91	128.42
14	H	811	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	G	831	CLA	CHD-C1D-ND	-2.78	120.89	124.80
14	Y	841	CLA	C3C-C4C-NC	2.78	113.99	110.43
14	G	839	CLA	CMD-C2D-C3D	-2.78	121.31	127.69
14	Y	822	CLA	CMA-C3A-C4A	2.78	119.25	111.77
14	G	802	CLA	C4D-C3D-CAD	2.78	111.13	108.11
14	B	833	CLA	CMA-C3A-C4A	2.78	119.25	111.77
14	B	835	CLA	CMD-C2D-C3D	-2.78	121.31	127.69
14	G	823	CLA	CMB-C2B-C1B	2.78	129.65	125.42
14	Y	841	CLA	C4-C3-C5	2.78	120.05	115.23
17	e	101	BCR	C31-C1-C6	2.78	114.60	110.24
14	A	808	CLA	CMB-C2B-C1B	2.78	129.65	125.42
14	A	828	CLA	CED-O2D-CGD	2.78	122.22	115.92
14	L	202	CLA	CED-O2D-CGD	2.78	122.22	115.92
14	B	808	CLA	O1D-CGD-CBD	-2.78	119.04	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	848	BCR	C34-C9-C8	2.78	122.33	118.09
14	G	812	CLA	CHD-C1D-ND	-2.78	120.89	124.80
14	V	1201	CLA	C3C-C4C-NC	2.78	113.99	110.43
14	L	202	CLA	CMA-C3A-C4A	2.78	119.24	111.77
14	Y	816	CLA	CMD-C2D-C3D	-2.78	121.32	127.69
13	G	801	CL0	C4-C3-C5	2.78	120.05	115.23
14	B	801	CLA	C4D-C3D-CAD	2.78	111.12	108.11
17	G	854	BCR	C40-C30-C25	2.78	114.60	110.24
14	J	102	CLA	CMD-C2D-C3D	-2.78	121.32	127.69
14	G	838	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	A	837	CLA	C2B-C1B-NB	2.78	113.20	110.33
14	Z	831	CLA	CED-O2D-CGD	2.77	122.21	115.92
14	Y	823	CLA	C2B-C1B-NB	2.77	113.20	110.33
14	A	802	CLA	CAC-C3C-C4C	2.77	128.40	124.79
17	Z	845	BCR	C7-C6-C5	-2.77	115.17	121.56
14	H	807	CLA	CMC-C2C-C1C	2.77	129.37	125.03
14	B	805	CLA	CHD-C1D-ND	-2.77	120.90	124.80
14	B	808	CLA	CMB-C2B-C1B	2.77	129.64	125.42
14	G	833	CLA	CMA-C3A-C4A	2.77	119.22	111.77
14	H	807	CLA	C6-C5-C3	-2.77	106.72	113.47
14	A	832	CLA	C4D-C3D-CAD	2.77	111.12	108.11
14	S	1103	CLA	C4-C3-C5	2.77	120.04	115.23
14	B	819	CLA	C1-C2-C3	-2.77	121.66	126.20
17	G	847	BCR	C37-C22-C23	2.77	122.32	118.09
14	Z	818	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	G	816	CLA	CMB-C2B-C1B	2.77	129.63	125.42
17	G	849	BCR	C37-C22-C23	2.77	122.32	118.09
14	Z	823	CLA	C4-C3-C5	2.77	120.03	115.23
14	A	827	CLA	C3C-C4C-NC	2.77	113.98	110.43
14	Y	805	CLA	O2A-C1-C2	2.77	118.76	108.11
14	h	201	CLA	O2A-C1-C2	2.77	118.76	108.11
17	I	101	BCR	C34-C9-C8	2.77	122.31	118.09
14	G	853	CLA	CMD-C2D-C3D	-2.77	121.34	127.69
18	Y	853	LHG	C5-O7-C7	-2.77	112.96	117.85
14	Z	803	CLA	CAC-C3C-C4C	2.77	128.39	124.79
14	S	1102	CLA	C3D-C4D-ND	2.77	114.48	109.99
14	Y	842	CLA	CHC-C1C-C2C	-2.77	119.09	126.95
14	Y	826	CLA	CMB-C2B-C1B	2.77	129.63	125.42
14	H	837	CLA	CHD-C1D-ND	-2.77	120.91	124.80
14	h	205	CLA	CMC-C2C-C1C	2.77	129.35	125.03
14	A	825	CLA	CMA-C3A-C4A	2.76	119.20	111.77
14	A	803	CLA	C1-C2-C3	-2.76	121.67	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	815	CLA	O1D-CGD-CBD	-2.76	119.07	124.52
14	G	837	CLA	CAC-C3C-C4C	2.76	128.38	124.79
14	K	103	CLA	CAC-C3C-C4C	2.76	128.38	124.79
17	d	203	BCR	C33-C5-C6	-2.76	121.47	124.48
14	Z	821	CLA	CMB-C2B-C1B	2.76	129.62	125.42
14	G	842	CLA	C2B-C1B-NB	2.76	113.19	110.33
14	Y	824	CLA	C4C-C3C-C2C	-2.76	102.87	106.89
14	H	816	CLA	C1-C2-C3	-2.76	121.67	126.20
14	B	808	CLA	CMD-C2D-C3D	-2.76	121.36	127.69
14	Y	821	CLA	C1-O2A-CGA	2.76	123.33	116.65
14	Y	806	CLA	CHB-C4A-NA	2.76	128.38	124.40
17	B	845	BCR	C3-C4-C5	-2.76	109.14	114.06
14	Y	842	CLA	C1-C2-C3	-2.76	121.68	126.20
17	G	846	BCR	C37-C22-C21	-2.76	118.35	122.82
18	j	101	LHG	O8-C23-C24	2.76	120.24	111.83
14	Y	829	CLA	CMB-C2B-C3B	2.76	133.03	126.55
14	H	802	CLA	O2A-C1-C2	2.76	118.71	108.11
17	H	842	BCR	C37-C22-C21	-2.76	118.35	122.82
14	B	818	CLA	CHC-C1C-C2C	-2.76	119.12	126.95
14	A	808	CLA	CHD-C1D-ND	-2.75	120.93	124.80
14	L	201	CLA	CHD-C4C-C3C	-2.75	120.76	124.77
17	e	101	BCR	C38-C26-C25	-2.75	121.48	124.48
14	L	205	CLA	C4A-NA-C1A	2.75	107.94	106.68
14	H	811	CLA	CHD-C1D-ND	-2.75	120.93	124.80
14	Y	830	CLA	CHD-C1D-ND	-2.75	120.93	124.80
14	Z	823	CLA	CHD-C1D-ND	-2.75	120.93	124.80
14	B	810	CLA	CMD-C2D-C3D	-2.75	121.38	127.69
14	Y	840	CLA	O2A-C1-C2	2.75	118.70	108.11
14	Y	821	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	G	838	CLA	O2A-C1-C2	2.75	118.69	108.11
17	R	102	BCR	C32-C1-C6	-2.75	105.93	110.24
18	Y	852	LHG	O7-C7-C8	2.75	117.43	111.48
14	H	802	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	G	837	CLA	CMB-C2B-C1B	2.75	129.61	125.42
17	L	203	BCR	C8-C7-C6	-2.75	119.65	127.00
14	H	832	CLA	CHC-C1C-C2C	-2.75	119.14	126.95
14	H	824	CLA	CBC-CAC-C3C	-2.75	104.97	112.42
14	H	801	CLA	C3D-C4D-ND	2.75	114.45	109.99
14	A	812	CLA	CHD-C1D-ND	-2.75	120.94	124.80
14	G	824	CLA	CMD-C2D-C3D	-2.75	121.39	127.69
14	A	811	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
14	G	830	CLA	CHC-C1C-C2C	-2.75	119.14	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	821	CLA	CAC-C3C-C4C	2.75	128.36	124.79
14	A	832	CLA	CMD-C2D-C3D	-2.75	121.39	127.69
14	A	820	CLA	C2B-C1B-NB	2.75	113.17	110.33
17	S	1104	BCR	C7-C8-C9	-2.75	122.17	126.23
17	J	103	BCR	C30-C25-C26	-2.74	118.89	122.64
14	B	829	CLA	CHC-C1C-C2C	-2.74	119.15	126.95
14	A	852	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
14	B	825	CLA	CHB-C1B-C2B	-2.74	119.46	127.43
14	A	802	CLA	CBC-CAC-C3C	-2.74	104.98	112.42
14	T	103	CLA	CED-O2D-CGD	2.74	122.14	115.92
14	G	804	CLA	C1-O2A-CGA	2.74	123.29	116.65
14	f	102	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
14	Z	830	CLA	CHD-C1D-ND	-2.74	120.94	124.80
14	G	809	CLA	O2A-C1-C2	2.74	118.67	108.11
17	G	849	BCR	C30-C25-C26	-2.74	118.89	122.64
14	B	816	CLA	CED-O2D-CGD	2.74	122.14	115.92
14	H	825	CLA	CAC-C3C-C4C	2.74	128.36	124.79
14	A	841	CLA	O2D-CGD-CBD	2.74	116.02	111.23
14	B	810	CLA	CBC-CAC-C3C	-2.74	104.99	112.42
17	G	848	BCR	C29-C30-C25	-2.74	106.46	110.44
14	A	841	CLA	C2B-C1B-NB	2.74	113.17	110.33
14	B	820	CLA	CHC-C1C-C2C	-2.74	119.16	126.95
14	Z	820	CLA	CED-O2D-CGD	2.74	122.13	115.92
17	Y	849	BCR	C7-C8-C9	-2.74	122.18	126.23
19	Z	847	LMG	C7-O1-C1	-2.74	107.92	113.80
14	B	835	CLA	CED-O2D-CGD	2.74	122.13	115.92
14	G	825	CLA	CED-O2D-CGD	2.74	122.13	115.92
14	g	102	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	G	839	CLA	CHB-C4A-NA	2.74	128.35	124.40
14	B	807	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	Z	837	CLA	C4D-C3D-CAD	2.74	111.08	108.11
14	Z	803	CLA	O2A-C1-C2	2.74	118.64	108.11
14	B	821	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	Y	843	CLA	O2A-C1-C2	2.74	118.64	108.11
14	G	807	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	Y	806	CLA	CMC-C2C-C1C	2.74	129.31	125.03
14	A	841	CLA	CHC-C1C-C2C	-2.74	119.17	126.95
13	G	801	CL0	C3D-C4D-ND	2.74	114.44	109.99
14	B	822	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	G	823	CLA	O2A-C1-C2	2.74	118.64	108.11
14	Z	810	CLA	C3D-C4D-ND	2.74	114.43	109.99
14	K	103	CLA	C4D-C3D-CAD	2.74	111.08	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	821	CLA	C3C-C4C-NC	2.74	113.93	110.43
14	Z	813	CLA	C3C-C4C-NC	2.74	113.93	110.43
14	H	823	CLA	CED-O2D-CGD	2.74	122.12	115.92
14	Y	806	CLA	C3D-C4D-ND	2.73	114.43	109.99
14	A	818	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	G	829	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	Y	812	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	Z	802	CLA	OBD-CAD-C3D	-2.73	122.03	128.42
14	B	839	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	G	841	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	U	1002	CLA	CMC-C2C-C1C	2.73	129.30	125.03
14	Z	818	CLA	CHD-C1D-ND	-2.73	120.96	124.80
14	A	829	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	Y	828	CLA	C3C-C4C-NC	2.73	113.93	110.43
14	Z	806	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	Z	837	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	A	838	CLA	C3D-C4D-ND	2.73	114.42	109.99
14	Z	816	CLA	CMB-C2B-C1B	2.73	129.58	125.42
14	G	818	CLA	CMC-C2C-C1C	2.73	129.30	125.03
17	G	848	BCR	C40-C30-C25	2.73	114.52	110.24
14	G	853	CLA	CHB-C1B-C2B	-2.73	119.50	127.43
17	G	847	BCR	C7-C6-C5	-2.73	115.27	121.56
14	Y	820	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	Z	823	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	Z	802	CLA	C1-O2A-CGA	2.73	123.26	116.65
14	Y	825	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	Y	842	CLA	O2A-C1-C2	2.73	118.61	108.11
14	S	1102	CLA	CHC-C1C-C2C	-2.73	119.20	126.95
14	A	822	CLA	C4D-C3D-CAD	2.73	111.07	108.11
14	H	825	CLA	C3D-C4D-ND	2.73	114.42	109.99
17	Y	846	BCR	C32-C1-C6	-2.73	105.97	110.24
14	B	827	CLA	C6-C5-C3	-2.73	106.83	113.47
14	B	819	CLA	CHD-C1D-ND	-2.72	120.97	124.80
14	A	838	CLA	CMB-C2B-C1B	2.72	129.57	125.42
14	Y	838	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	H	823	CLA	O2A-C1-C2	2.72	118.59	108.11
14	B	811	CLA	CHD-C1D-ND	-2.72	120.97	124.80
14	H	807	CLA	CHD-C1D-ND	-2.72	120.97	124.80
14	H	822	CLA	CAA-CBA-CGA	-2.72	105.48	113.21
17	B	848	BCR	C30-C25-C26	-2.72	118.92	122.64
14	Z	823	CLA	CMA-C3A-C4A	2.72	119.08	111.77
14	A	830	CLA	CHC-C1C-C2C	-2.72	119.22	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	830	CLA	CED-O2D-CGD	2.72	122.09	115.92
14	A	841	CLA	CMD-C2D-C3D	-2.72	121.45	127.69
14	G	816	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	A	817	CLA	C4-C3-C5	2.72	119.95	115.23
14	H	822	CLA	C4D-C3D-CAD	2.72	111.06	108.11
14	H	805	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
14	Y	840	CLA	CHD-C1D-ND	-2.72	120.98	124.80
14	G	810	CLA	CHD-C1D-ND	-2.72	120.98	124.80
14	G	835	CLA	O2A-CGA-CBA	2.72	122.58	114.00
14	Z	827	CLA	CMD-C2D-C3D	-2.72	121.46	127.69
14	G	832	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
14	H	825	CLA	C3C-C4C-NC	2.71	113.91	110.43
14	Y	810	CLA	C3D-C4D-ND	2.71	114.40	109.99
14	F	202	CLA	CHC-C1C-C2C	-2.71	119.24	126.95
14	Z	823	CLA	CAA-C2A-C1A	-2.71	103.08	111.97
14	H	805	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	B	807	CLA	CHD-C1D-ND	-2.71	120.98	124.80
14	B	840	CLA	CHD-C1D-ND	-2.71	120.98	124.80
14	Q	203	CLA	O2A-CGA-CBA	2.71	122.57	114.00
14	G	836	CLA	C1-O2A-CGA	2.71	123.22	116.65
17	Z	843	BCR	C15-C14-C13	-2.71	123.47	127.28
14	B	823	CLA	O2A-C1-C2	2.71	118.55	108.11
17	B	847	BCR	C1-C6-C5	-2.71	118.93	122.64
14	G	834	CLA	C3C-C4C-NC	2.71	113.90	110.43
14	Z	820	CLA	CGD-CBD-CAD	2.71	119.62	110.85
14	H	804	CLA	C2B-C1B-NB	2.71	113.14	110.33
14	B	801	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
14	A	828	CLA	CMA-C3A-C4A	2.71	119.06	111.77
14	A	841	CLA	C4-C3-C5	2.71	119.93	115.23
14	A	823	CLA	C1-C2-C3	-2.71	122.38	126.76
17	Z	842	BCR	C12-C13-C14	2.71	123.27	119.01
14	B	841	CLA	C4D-C3D-CAD	2.71	111.05	108.11
14	A	814	CLA	CHC-C1C-C2C	-2.71	119.25	126.95
14	H	804	CLA	O2A-C1-C2	2.71	118.54	108.11
14	Y	834	CLA	C1D-CHD-C4C	-2.71	120.26	126.02
14	h	201	CLA	CMD-C2D-C3D	-2.71	121.47	127.69
14	Y	826	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	B	832	CLA	C2B-C1B-NB	2.71	113.14	110.33
14	G	808	CLA	CHB-C4A-NA	2.71	128.31	124.40
14	H	827	CLA	CED-O2D-CGD	2.71	122.06	115.92
14	B	831	CLA	C3D-C4D-ND	2.71	114.39	109.99
14	g	101	CLA	O2A-CGA-CBA	2.71	122.56	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	823	CLA	CAC-C3C-C4C	2.71	128.31	124.79
17	L	208	BCR	C37-C22-C23	2.71	122.22	118.09
14	Z	811	CLA	CMA-C3A-C4A	2.71	119.05	111.77
14	J	101	CLA	O2A-CGA-CBA	2.71	122.55	114.00
13	A	801	CL0	O2A-C1-C2	2.71	118.52	108.11
14	G	841	CLA	CAC-C3C-C4C	2.71	128.31	124.79
14	A	812	CLA	CHC-C1C-C2C	-2.71	119.26	126.95
14	A	813	CLA	CHC-C1C-C2C	-2.70	119.26	126.95
14	A	806	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	A	842	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	Y	822	CLA	C1-O2A-CGA	2.70	123.20	116.65
17	G	849	BCR	C7-C8-C9	-2.70	122.23	126.23
14	Z	831	CLA	O2A-C1-C2	2.70	118.52	108.11
14	B	809	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	Z	828	CLA	CMA-C3A-C4A	2.70	119.04	111.77
14	A	819	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
14	B	808	CLA	C3D-C4D-ND	2.70	114.38	109.99
17	F	201	BCR	C8-C9-C10	-2.70	114.76	119.01
17	L	203	BCR	C1-C6-C5	-2.70	118.94	122.64
14	A	815	CLA	CMD-C2D-C3D	-2.70	121.49	127.69
14	A	812	CLA	C4D-C3D-CAD	2.70	111.04	108.11
17	L	203	BCR	C37-C22-C23	2.70	122.22	118.09
14	U	1002	CLA	C3D-C4D-ND	2.70	114.38	109.99
17	f	105	BCR	C38-C26-C25	-2.70	121.54	124.48
14	H	826	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	B	822	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	H	816	CLA	C6-C5-C3	-2.70	106.89	113.47
14	Z	836	CLA	O2A-C1-C2	2.70	118.50	108.11
14	H	831	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	B	838	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	B	826	CLA	CHC-C1C-C2C	-2.70	119.27	126.95
17	A	848	BCR	C28-C27-C26	-2.70	109.24	114.06
14	Y	832	CLA	CMD-C2D-C3D	-2.70	121.50	127.69
17	H	848	BCR	C35-C13-C12	2.70	122.21	118.09
17	A	847	BCR	C38-C26-C27	2.70	119.35	113.60
14	H	819	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	G	837	CLA	C4-C3-C5	2.70	119.91	115.23
14	G	815	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	Y	840	CLA	CAC-C3C-C4C	2.70	128.30	124.79
17	Z	841	BCR	C38-C26-C27	2.70	119.35	113.60
14	Z	814	CLA	C2B-C1B-NB	2.70	113.12	110.33
17	G	847	BCR	C36-C18-C19	-2.70	113.97	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	847	BCR	C27-C26-C25	-2.70	119.06	122.70
14	Y	813	CLA	CMD-C2D-C3D	-2.70	121.50	127.69
14	h	207	CLA	C3D-C4D-ND	2.70	114.37	109.99
14	A	834	CLA	C4D-C3D-CAD	2.70	111.03	108.11
17	A	845	BCR	C32-C1-C6	2.69	114.47	110.24
14	Y	804	CLA	CMB-C2B-C1B	2.69	129.52	125.42
14	G	823	CLA	O2D-CGD-O1D	-2.69	118.60	123.85
14	H	818	CLA	CED-O2D-CGD	2.69	122.03	115.92
17	f	103	BCR	C31-C1-C6	-2.69	106.02	110.24
14	G	817	CLA	CED-O2D-CGD	2.69	122.03	115.92
14	Z	830	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	A	852	CLA	CMA-C3A-C4A	2.69	119.01	111.77
14	X	1701	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	Z	833	CLA	CMA-C3A-C4A	2.69	119.01	111.77
14	H	829	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	B	820	CLA	CMA-C3A-C4A	2.69	119.01	111.77
14	Z	806	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	H	815	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	H	815	CLA	O1D-CGD-CBD	-2.69	119.21	124.52
14	L	207	CLA	CHB-C1B-C2B	-2.69	119.61	127.43
17	R	102	BCR	C38-C26-C25	-2.69	121.55	124.48
14	Z	811	CLA	O1D-CGD-CBD	-2.69	119.21	124.52
14	Z	833	CLA	C2B-C1B-NB	2.69	113.12	110.33
14	h	205	CLA	C2B-C1B-NB	2.69	113.11	110.33
14	Y	831	CLA	CMD-C2D-C3D	-2.69	121.52	127.69
14	Y	820	CLA	CHC-C1C-C2C	-2.69	119.31	126.95
14	Z	808	CLA	O2D-CGD-CBD	2.69	115.93	111.23
14	H	835	CLA	C2B-C1B-NB	2.69	113.11	110.33
14	H	806	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
14	Z	804	CLA	CHC-C1C-C2C	-2.69	119.31	126.95
14	Y	843	CLA	CMA-C3A-C4A	2.69	119.00	111.77
14	A	831	CLA	O2A-C1-C2	2.69	118.45	108.11
14	A	839	CLA	C1-O2A-CGA	2.69	123.16	116.65
14	Z	820	CLA	C4A-NA-C1A	2.69	107.91	106.68
14	Y	835	CLA	CMA-C3A-C4A	2.69	119.00	111.77
14	H	817	CLA	C4-C3-C5	2.69	119.89	115.23
14	A	802	CLA	C3D-C4D-ND	2.69	114.35	109.99
14	B	824	CLA	O2A-C1-C2	2.69	118.45	108.11
17	F	201	BCR	C37-C22-C23	2.69	122.19	118.09
14	Z	826	CLA	CBC-CAC-C3C	-2.69	105.14	112.42
14	Y	812	CLA	C1-C2-C3	-2.69	121.80	126.20
14	G	808	CLA	CED-O2D-CGD	2.69	122.01	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	843	BCR	C31-C1-C6	-2.69	106.03	110.24
14	S	1103	CLA	C4-C3-C2	-2.69	116.73	123.63
14	Y	834	CLA	CHB-C4A-NA	2.69	128.28	124.40
14	H	831	CLA	CAC-C3C-C4C	2.68	128.28	124.79
14	Y	813	CLA	C1-C2-C3	-2.68	121.80	126.20
14	G	811	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
14	H	828	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
14	Z	815	CLA	CAC-C3C-C4C	2.68	128.28	124.79
14	h	205	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
14	Y	842	CLA	CMA-C3A-C4A	2.68	118.99	111.77
14	h	201	CLA	CMA-C3A-C4A	2.68	118.98	111.77
14	Z	822	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
14	H	838	CLA	CMB-C2B-C1B	2.68	129.50	125.42
14	B	831	CLA	CHC-C1C-C2C	-2.68	119.33	126.95
14	Z	826	CLA	C7-C6-C5	-2.68	106.11	113.26
14	H	801	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
14	H	834	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
14	U	1006	CLA	C2B-C1B-NB	2.68	113.11	110.33
17	Y	848	BCR	C36-C18-C19	-2.68	113.99	118.09
14	A	829	CLA	O2A-C1-C2	2.68	118.42	108.11
14	j	102	CLA	CED-O2D-CGD	2.68	122.00	115.92
14	f	101	CLA	OBD-CAD-C3D	-2.68	122.15	128.42
14	H	802	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	Z	803	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	Y	831	CLA	CHC-C1C-C2C	-2.68	119.33	126.95
14	G	812	CLA	CMD-C2D-C3D	-2.68	121.54	127.69
14	K	101	CLA	CMD-C2D-C3D	-2.68	121.54	127.69
14	G	835	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	G	841	CLA	CMA-C3A-C4A	2.68	118.97	111.77
14	H	817	CLA	CHB-C4A-NA	2.68	128.27	124.40
14	B	828	CLA	CHD-C1D-ND	-2.68	121.03	124.80
14	A	830	CLA	CMB-C2B-C1B	2.68	129.50	125.42
14	G	819	CLA	CMD-C2D-C3D	-2.68	121.55	127.69
14	G	827	CLA	C3D-C4D-ND	2.68	114.34	109.99
14	h	201	CLA	CMB-C2B-C3B	2.68	132.85	126.55
14	H	816	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	B	837	CLA	CHC-C1C-C2C	-2.68	119.34	126.95
14	Z	808	CLA	CHC-C1C-C2C	-2.68	119.34	126.95
14	A	817	CLA	CMD-C2D-C3D	-2.68	121.55	127.69
14	G	840	CLA	C1-C2-C3	-2.68	122.43	126.76
14	B	819	CLA	C3D-C4D-ND	2.68	114.33	109.99
14	A	824	CLA	CBB-CAB-C3B	-2.67	114.16	127.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	828	CLA	CAC-C3C-C4C	2.67	128.27	124.79
14	Z	814	CLA	C4D-C3D-CAD	2.67	111.01	108.11
14	H	829	CLA	CHB-C4A-NA	2.67	128.26	124.40
14	Y	806	CLA	CBC-CAC-C3C	-2.67	105.17	112.42
14	H	825	CLA	O1D-CGD-CBD	-2.67	119.25	124.52
14	Y	814	CLA	CHD-C1D-ND	-2.67	121.04	124.80
14	Z	823	CLA	C4-C3-C2	-2.67	116.77	123.63
14	G	840	CLA	O2A-C1-C2	2.67	118.39	108.11
14	B	801	CLA	CMD-C2D-C3D	-2.67	121.56	127.69
14	A	831	CLA	CMA-C3A-C4A	2.67	118.95	111.77
14	Y	833	CLA	CMD-C2D-C3D	-2.67	121.56	127.69
14	A	812	CLA	C2B-C1B-NB	2.67	113.10	110.33
14	B	802	CLA	C4-C3-C5	2.67	119.86	115.23
14	Z	818	CLA	CED-O2D-CGD	2.67	121.97	115.92
14	L	202	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	A	805	CLA	CHC-C1C-C2C	-2.67	119.36	126.95
14	L	207	CLA	CHD-C1D-ND	-2.67	121.05	124.80
14	B	801	CLA	CMB-C2B-C1B	2.67	129.48	125.42
14	B	815	CLA	O1D-CGD-CBD	-2.67	119.26	124.52
14	H	833	CLA	C2B-C1B-NB	2.67	113.09	110.33
14	G	804	CLA	CHC-C1C-C2C	-2.67	119.37	126.95
14	H	807	CLA	C3A-C2A-C1A	2.67	105.33	101.34
14	A	837	CLA	C1-C2-C3	-2.67	121.83	126.20
17	A	847	BCR	C38-C26-C25	-2.67	121.58	124.48
15	G	844	PQN	C21-C20-C18	-2.66	107.11	115.97
14	B	813	CLA	OBD-CAD-C3D	-2.66	122.19	128.42
14	H	815	CLA	CMC-C2C-C1C	2.66	129.20	125.03
14	A	813	CLA	CHD-C1D-ND	-2.66	121.05	124.80
14	Y	819	CLA	CHB-C1B-C2B	-2.66	119.70	127.43
14	G	830	CLA	CHD-C1D-ND	-2.66	121.06	124.80
14	Z	811	CLA	C4D-C3D-CAD	2.66	111.00	108.11
17	Y	846	BCR	C37-C22-C23	2.66	122.15	118.09
14	Y	838	CLA	C1-O2A-CGA	2.66	123.09	116.65
17	A	847	BCR	C3-C4-C5	-2.66	109.31	114.06
17	B	844	BCR	C3-C4-C5	-2.66	109.31	114.06
14	Z	814	CLA	CAC-C3C-C4C	2.66	128.25	124.79
14	B	831	CLA	O1D-CGD-CBD	-2.66	119.27	124.52
14	G	818	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	B	810	CLA	O2A-C1-C2	2.66	118.34	108.11
14	B	821	CLA	CMA-C3A-C4A	2.66	118.92	111.77
14	Z	821	CLA	C4-C3-C5	2.66	119.84	115.23
14	H	809	CLA	CMB-C2B-C1B	2.66	129.47	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	828	CLA	O2A-C1-C2	2.66	118.34	108.11
14	B	802	CLA	CHB-C4A-NA	2.66	128.24	124.40
14	G	804	CLA	CMC-C2C-C1C	2.66	129.19	125.03
14	Z	803	CLA	CHB-C4A-NA	2.66	128.24	124.40
14	Y	816	CLA	O1D-CGD-CBD	-2.66	119.28	124.52
14	Z	823	CLA	O2A-C1-C2	2.66	118.33	108.11
14	d	201	CLA	C3C-C4C-NC	2.65	113.83	110.43
14	H	828	CLA	C1-O2A-CGA	2.65	123.08	116.65
14	B	822	CLA	O1D-CGD-CBD	-2.65	119.28	124.52
14	B	834	CLA	C3D-C4D-ND	2.65	114.30	109.99
14	Z	823	CLA	CHC-C1C-C2C	-2.65	119.41	126.95
14	Y	806	CLA	CMD-C2D-C3D	-2.65	121.60	127.69
14	H	825	CLA	CHB-C4A-NA	2.65	128.23	124.40
14	A	807	CLA	O2D-CGD-O1D	-2.65	118.68	123.85
14	A	823	CLA	CHB-C4A-NA	2.65	128.23	124.40
14	A	815	CLA	C3C-C4C-NC	2.65	113.83	110.43
14	B	839	CLA	C4D-C3D-CAD	2.65	110.99	108.11
14	B	804	CLA	O2A-C1-C2	2.65	118.31	108.11
17	I	101	BCR	C39-C30-C25	-2.65	106.09	110.24
14	A	814	CLA	C4D-C3D-CAD	2.65	110.98	108.11
14	Y	803	CLA	CMD-C2D-C3D	-2.65	121.61	127.69
14	L	201	CLA	C1D-CHD-C4C	-2.65	120.39	126.02
14	A	813	CLA	O1D-CGD-CBD	-2.65	119.29	124.52
14	A	839	CLA	O2A-C1-C2	2.65	118.30	108.11
14	G	823	CLA	CMD-C2D-C3D	-2.65	121.62	127.69
14	H	834	CLA	O1D-CGD-CBD	-2.65	119.30	124.52
14	Z	822	CLA	C2B-C1B-NB	2.65	113.07	110.33
17	Y	849	BCR	C37-C22-C23	2.65	122.13	118.09
14	A	807	CLA	CMD-C2D-C3D	-2.65	121.62	127.69
14	A	836	CLA	O2A-C1-C2	2.65	118.29	108.11
14	A	814	CLA	C2B-C1B-NB	2.65	113.07	110.33
14	Y	837	CLA	CMD-C2D-C3D	-2.65	121.62	127.69
14	A	836	CLA	CMB-C2B-C3B	2.65	132.77	126.55
14	B	809	CLA	CED-O2D-CGD	2.65	121.92	115.92
14	G	826	CLA	O2A-C1-C2	2.65	118.29	108.11
14	G	816	CLA	CMD-C2D-C3D	-2.65	121.62	127.69
14	Y	834	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	B	840	CLA	C3C-C4C-NC	2.65	113.82	110.43
14	G	812	CLA	C4-C3-C5	2.65	119.82	115.23
14	G	808	CLA	O2A-C1-C2	2.65	118.29	108.11
14	T	101	CLA	CHC-C1C-C2C	-2.64	119.43	126.95
14	H	828	CLA	CMC-C2C-C1C	2.64	129.17	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	825	CLA	CMB-C2B-C1B	2.64	129.45	125.42
14	h	206	CLA	CMD-C2D-C3D	-2.64	121.62	127.69
14	A	852	CLA	C1-O2A-CGA	2.64	123.05	116.65
14	Q	203	CLA	CHC-C1C-C2C	-2.64	119.43	126.95
14	Y	812	CLA	CMD-C2D-C3D	-2.64	121.63	127.69
14	H	802	CLA	O2D-CGD-CBD	2.64	115.85	111.23
14	A	838	CLA	CMA-C3A-C4A	2.64	118.88	111.77
14	B	824	CLA	C3D-C4D-ND	2.64	114.28	109.99
14	G	806	CLA	C4D-C3D-CAD	2.64	110.98	108.11
14	h	207	CLA	CHD-C1D-ND	-2.64	121.08	124.80
18	B	850	LHG	O7-C7-O9	-2.64	117.53	123.70
14	H	833	CLA	CMD-C2D-C3D	-2.64	121.63	127.69
14	Q	201	CLA	OBD-CAD-C3D	-2.64	122.24	128.42
14	h	207	CLA	OBD-CAD-C3D	-2.64	122.24	128.42
14	G	818	CLA	CAC-C3C-C4C	2.64	128.23	124.79
14	G	808	CLA	CMB-C2B-C1B	2.64	129.44	125.42
14	H	805	CLA	CAA-CBA-CGA	-2.64	105.71	113.21
14	B	831	CLA	C4D-C3D-CAD	2.64	110.97	108.11
14	Y	817	CLA	CHD-C1D-ND	-2.64	121.09	124.80
14	G	804	CLA	O1D-CGD-CBD	-2.64	119.31	124.52
15	Z	840	PQN	C15-C13-C12	-2.64	115.24	121.17
14	B	813	CLA	C4D-C3D-CAD	2.64	110.97	108.11
14	H	809	CLA	CAC-C3C-C4C	2.64	128.22	124.79
14	G	833	CLA	CHD-C1D-ND	-2.64	121.09	124.80
14	L	201	CLA	C3D-C4D-ND	2.64	114.28	109.99
14	H	838	CLA	C6-C5-C3	-2.64	107.04	113.47
14	U	1004	CLA	CHC-C1C-C2C	-2.64	119.45	126.95
14	H	827	CLA	CHB-C4A-NA	2.64	128.21	124.40
14	A	817	CLA	C2B-C1B-NB	2.64	113.06	110.33
14	B	808	CLA	C1-O2A-CGA	2.64	123.04	116.65
14	W	1701	CLA	CMD-C2D-C3D	-2.64	121.64	127.69
17	f	105	BCR	C29-C30-C25	-2.64	106.61	110.44
14	A	827	CLA	CMB-C2B-C3B	2.64	132.75	126.55
17	L	209	BCR	C38-C26-C25	2.64	127.36	124.48
14	A	828	CLA	CMB-C2B-C3B	2.64	132.75	126.55
14	B	837	CLA	CHD-C1D-ND	-2.64	121.09	124.80
14	B	816	CLA	OBD-CAD-C3D	-2.64	122.25	128.42
14	G	831	CLA	C1D-CHD-C4C	-2.64	120.42	126.02
14	G	838	CLA	CHC-C1C-C2C	-2.64	119.46	126.95
17	K	102	BCR	C8-C7-C6	-2.64	119.96	127.00
14	Z	835	CLA	CMA-C3A-C4A	2.64	118.86	111.77
14	B	816	CLA	O2D-CGD-CBD	2.64	115.84	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	202	CLA	CMC-C2C-C1C	2.63	129.15	125.03
14	Y	806	CLA	C1-C2-C3	-2.63	121.88	126.20
14	G	821	CLA	CMD-C2D-C3D	-2.63	121.65	127.69
14	Z	814	CLA	CMD-C2D-C3D	-2.63	121.65	127.69
14	Y	830	CLA	CMD-C2D-C3D	-2.63	121.65	127.69
14	B	839	CLA	O1D-CGD-CBD	-2.63	119.32	124.52
14	Y	804	CLA	C1-O2A-CGA	2.63	123.02	116.65
14	H	810	CLA	CED-O2D-CGD	2.63	121.89	115.92
14	Z	825	CLA	CMD-C2D-C3D	-2.63	121.65	127.69
14	g	102	CLA	CMA-C3A-C4A	2.63	118.84	111.77
14	Y	811	CLA	CMD-C2D-C3D	-2.63	121.66	127.69
14	A	824	CLA	OBD-CAD-C3D	-2.63	122.27	128.42
14	K	101	CLA	OBD-CAD-CBD	-2.63	120.66	125.94
14	Y	840	CLA	C2B-C1B-NB	2.63	113.05	110.33
14	Z	809	CLA	CED-O2D-CGD	2.63	121.88	115.92
14	Y	835	CLA	C1-O2A-CGA	2.63	123.02	116.65
17	Z	842	BCR	C32-C1-C6	-2.63	106.12	110.24
14	G	814	CLA	CMD-C2D-C3D	-2.63	121.66	127.69
17	f	104	BCR	C37-C22-C21	-2.63	118.56	122.82
14	L	205	CLA	CHD-C1D-ND	-2.63	121.10	124.80
14	G	811	CLA	C4D-C3D-CAD	2.63	110.96	108.11
14	Y	828	CLA	CHB-C1B-C2B	-2.63	119.80	127.43
13	Y	801	CL0	CHB-C4A-NA	2.63	128.19	124.40
17	Y	847	BCR	C15-C14-C13	-2.63	123.59	127.28
14	G	835	CLA	C2B-C1B-NB	2.63	113.05	110.33
14	Z	824	CLA	C3D-C4D-ND	2.63	114.26	109.99
14	A	806	CLA	CMD-C2D-C3D	-2.63	121.67	127.69
17	L	203	BCR	C33-C5-C4	2.63	119.19	113.60
14	Y	802	CLA	CHB-C4A-NA	2.63	128.19	124.40
17	B	848	BCR	C3-C4-C5	-2.63	109.37	114.06
14	B	828	CLA	CHC-C1C-C2C	-2.63	119.49	126.95
14	A	835	CLA	CMB-C2B-C1B	2.63	129.42	125.42
14	H	837	CLA	CED-O2D-CGD	2.62	121.87	115.92
14	H	812	CLA	CHC-C1C-C2C	-2.62	119.49	126.95
14	H	826	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	U	1006	CLA	C1-C2-C3	-2.62	121.90	126.20
17	B	847	BCR	C23-C22-C21	2.62	123.14	119.01
14	B	826	CLA	C1D-CHD-C4C	-2.62	120.44	126.02
14	Z	804	CLA	C1-C2-C3	-2.62	121.90	126.20
14	Z	835	CLA	C4D-C3D-CAD	2.62	110.95	108.11
14	A	852	CLA	O2A-CGA-CBA	2.62	119.83	111.83
14	Q	201	CLA	CHB-C4A-NA	2.62	128.19	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	836	CLA	C4D-C3D-CAD	2.62	110.95	108.11
14	Z	823	CLA	O1D-CGD-CBD	-2.62	119.35	124.52
14	G	836	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
14	H	823	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	G	820	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
14	G	807	CLA	CMD-C2D-C3D	-2.62	121.68	127.69
14	H	812	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	Z	835	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	B	813	CLA	CMD-C2D-C3D	-2.62	121.68	127.69
14	f	102	CLA	CMA-C3A-C4A	2.62	118.81	111.77
17	h	202	BCR	C12-C13-C14	2.62	123.13	119.01
14	Y	812	CLA	C3D-C4D-ND	2.62	114.25	109.99
14	Q	201	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
14	Y	833	CLA	CMB-C2B-C1B	2.62	129.41	125.42
14	Y	828	CLA	C4-C3-C5	2.62	119.77	115.23
14	H	829	CLA	CMB-C2B-C1B	2.62	129.41	125.42
14	A	804	CLA	CMB-C2B-C3B	2.62	132.71	126.55
17	Y	850	BCR	C15-C14-C13	-2.62	123.61	127.28
17	G	848	BCR	C27-C26-C25	-2.62	119.17	122.70
14	G	837	CLA	C3C-C4C-NC	2.62	113.78	110.43
14	H	824	CLA	OBD-CAD-C3D	-2.62	122.30	128.42
14	Z	818	CLA	CBA-CAA-C2A	2.62	121.58	113.79
14	Y	805	CLA	CMD-C2D-C3D	-2.62	121.69	127.69
14	A	834	CLA	CMC-C2C-C1C	2.62	129.12	125.03
14	B	823	CLA	C4D-C3D-CAD	2.61	110.95	108.11
14	H	838	CLA	CHB-C4A-NA	2.61	128.17	124.40
14	T	101	CLA	CHB-C4A-NA	2.61	128.17	124.40
14	Y	803	CLA	C1-O2A-CGA	2.61	122.98	116.65
14	Z	806	CLA	O2D-CGD-O1D	-2.61	118.76	123.85
14	Y	802	CLA	C1-O2A-CGA	2.61	122.98	116.65
14	Y	833	CLA	CHB-C4A-NA	2.61	128.17	124.40
14	A	824	CLA	C4C-C3C-C2C	-2.61	103.09	106.89
13	G	801	CL0	C2B-C1B-NB	2.61	113.03	110.33
14	Y	802	CLA	CMC-C2C-C1C	2.61	129.12	125.03
14	A	830	CLA	C1-O2A-CGA	2.61	122.97	116.65
14	B	811	CLA	CMA-C3A-C4A	2.61	118.79	111.77
14	G	815	CLA	CHC-C1C-C2C	-2.61	119.53	126.95
14	Z	809	CLA	O2A-C1-C2	2.61	118.15	108.11
14	A	822	CLA	CHC-C1C-C2C	-2.61	119.53	126.95
14	Y	811	CLA	CAA-CBA-CGA	2.61	120.62	113.21
14	A	810	CLA	CMD-C2D-C3D	-2.61	121.70	127.69
14	Y	840	CLA	CMA-C3A-C4A	2.61	118.78	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	808	CLA	C1-O2A-CGA	2.61	122.96	116.65
14	B	812	CLA	CHC-C1C-C2C	-2.61	119.54	126.95
14	Y	821	CLA	CHD-C1D-ND	-2.61	121.13	124.80
14	U	1002	CLA	CHD-C4C-C3C	-2.61	120.97	124.77
13	A	801	CL0	C5-C3-C2	-2.61	115.32	121.17
14	Y	820	CLA	O1D-CGD-CBD	-2.61	119.38	124.52
14	Z	819	CLA	O1D-CGD-CBD	-2.61	119.38	124.52
14	A	814	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
14	B	826	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	G	814	CLA	C3D-C4D-ND	2.60	114.22	109.99
14	B	830	CLA	CHC-C1C-C2C	-2.60	119.55	126.95
14	B	839	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
14	Y	840	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	Y	805	CLA	CGD-CBD-CAD	-2.60	102.42	110.85
14	H	820	CLA	CAC-C3C-C4C	2.60	128.18	124.79
17	Y	848	BCR	C3-C4-C5	-2.60	109.42	114.06
14	A	812	CLA	C4-C3-C5	2.60	119.75	115.23
14	S	1101	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
14	S	1102	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
14	W	1701	CLA	CMC-C2C-C1C	2.60	129.10	125.03
17	e	101	BCR	C7-C8-C9	-2.60	122.39	126.23
14	G	811	CLA	C2B-C1B-NB	2.60	113.02	110.33
17	J	103	BCR	C12-C13-C14	2.60	123.10	119.01
14	G	817	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	A	819	CLA	CMC-C2C-C1C	2.60	129.10	125.03
14	H	814	CLA	CHD-C1D-ND	-2.60	121.14	124.80
14	H	804	CLA	CMA-C3A-C4A	2.60	118.76	111.77
17	Y	847	BCR	C36-C18-C19	-2.60	114.12	118.09
14	B	828	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
14	Y	817	CLA	CHC-C1C-C2C	-2.60	119.57	126.95
14	G	811	CLA	CMC-C2C-C1C	2.60	129.09	125.03
14	B	822	CLA	CED-O2D-CGD	2.60	121.81	115.92
14	H	805	CLA	CED-O2D-CGD	2.60	121.81	115.92
17	G	847	BCR	C1-C6-C7	2.60	122.69	115.65
14	H	838	CLA	C4C-C3C-C2C	-2.60	103.11	106.89
14	Y	816	CLA	CBB-CAB-C3B	-2.60	114.55	127.53
14	Z	820	CLA	O1D-CGD-CBD	-2.60	119.40	124.52
14	H	830	CLA	CMB-C2B-C1B	2.60	129.37	125.42
14	X	1701	CLA	CHD-C1D-ND	-2.60	121.15	124.80
14	G	815	CLA	C1-C2-C3	-2.59	122.56	126.76
14	Y	820	CLA	CBC-CAC-C3C	-2.59	105.39	112.42
14	G	825	CLA	C11-C10-C8	-2.59	107.34	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	806	CLA	O2A-C1-C2	2.59	118.08	108.11
14	H	820	CLA	O2D-CGD-O1D	-2.59	118.80	123.85
14	B	812	CLA	CMB-C2B-C1B	2.59	129.36	125.42
14	B	803	CLA	C2B-C1B-NB	2.59	113.01	110.33
14	H	801	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	Z	810	CLA	CMA-C3A-C4A	2.59	118.73	111.77
14	A	815	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
14	G	809	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
14	Z	834	CLA	CMA-C3A-C4A	2.59	118.73	111.77
17	Y	849	BCR	C37-C22-C21	-2.59	118.62	122.82
14	A	807	CLA	CMC-C2C-C1C	2.59	129.08	125.03
14	K	101	CLA	CMA-C3A-C4A	2.59	118.73	111.77
14	G	803	CLA	CBB-CAB-C3B	-2.59	114.60	127.53
14	T	101	CLA	CMB-C2B-C1B	2.59	129.36	125.42
14	H	808	CLA	C1-C2-C3	-2.58	121.96	126.20
14	Z	811	CLA	CHD-C1D-ND	-2.58	121.17	124.80
14	Z	839	CLA	C2B-C1B-NB	2.58	113.01	110.33
14	A	820	CLA	CMD-C2D-C3D	-2.58	121.77	127.69
14	B	811	CLA	CMD-C2D-C3D	-2.58	121.77	127.69
14	Y	811	CLA	CHC-C1C-C2C	-2.58	119.61	126.95
17	L	203	BCR	C36-C18-C19	-2.58	114.14	118.09
14	A	809	CLA	C1-C2-C3	-2.58	121.97	126.20
14	B	838	CLA	CMA-C3A-C4A	2.58	118.71	111.77
17	Y	856	BCR	C15-C14-C13	-2.58	123.66	127.28
17	H	841	BCR	C37-C22-C23	2.58	122.03	118.09
14	Z	812	CLA	CED-O2D-CGD	2.58	121.77	115.92
17	H	844	BCR	C23-C24-C25	-2.58	120.11	127.00
14	H	834	CLA	CHD-C4C-C3C	-2.58	121.01	124.77
14	Y	835	CLA	C3C-C4C-NC	2.58	113.73	110.43
14	G	812	CLA	CMB-C2B-C1B	2.58	129.35	125.42
17	H	845	BCR	C4-C5-C6	-2.58	119.22	122.70
14	H	807	CLA	C1-O2A-CGA	2.58	122.89	116.65
14	B	818	CLA	CMB-C2B-C3B	2.58	132.62	126.55
14	Z	801	CLA	CHD-C1D-ND	-2.58	121.17	124.80
14	G	817	CLA	O1D-CGD-CBD	-2.58	119.43	124.52
14	Z	834	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	h	205	CLA	CHB-C4A-NA	2.58	128.12	124.40
14	Z	836	CLA	C1-O2A-CGA	2.58	122.89	116.65
14	Z	817	CLA	OBD-CAD-C3D	-2.58	122.39	128.42
14	B	814	CLA	C4D-C3D-CAD	2.58	110.90	108.11
14	g	101	CLA	CAD-CBD-CHA	-2.58	102.34	105.12
17	h	202	BCR	C28-C27-C26	-2.58	109.46	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	803	CLA	C4C-C3C-C2C	-2.58	103.14	106.89
14	A	811	CLA	CHC-C1C-C2C	-2.58	119.63	126.95
17	J	103	BCR	C7-C6-C5	-2.57	115.62	121.56
14	A	803	CLA	CHD-C1D-ND	-2.57	121.18	124.80
14	g	101	CLA	C4D-C3D-CAD	2.57	110.91	107.69
14	A	833	CLA	CMC-C2C-C1C	2.57	129.06	125.03
14	G	839	CLA	CED-O2D-CGD	2.57	121.75	115.92
17	J	104	BCR	C23-C24-C25	-2.57	120.12	127.00
14	K	103	CLA	CED-O2D-CGD	2.57	121.75	115.92
14	H	820	CLA	CMC-C2C-C1C	2.57	129.06	125.03
13	G	801	CL0	CAA-C2A-C3A	-2.57	106.04	113.00
14	B	827	CLA	CAC-C3C-C4C	2.57	128.14	124.79
14	S	1103	CLA	CMD-C2D-C3D	-2.57	121.79	127.69
14	Z	828	CLA	O2A-CGA-CBA	2.57	122.13	114.00
14	Z	801	CLA	CMB-C2B-C1B	2.57	129.34	125.42
14	G	835	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
14	Z	827	CLA	O1D-CGD-CBD	-2.57	119.44	124.52
14	Z	825	CLA	CAC-C3C-C4C	2.57	128.14	124.79
14	Z	802	CLA	C4-C3-C5	2.57	119.69	115.23
17	Z	841	BCR	C8-C9-C10	-2.57	114.97	119.01
14	Z	823	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
14	G	823	CLA	C3C-C4C-NC	2.57	113.72	110.43
14	A	811	CLA	O2A-C1-C2	2.57	117.99	108.11
14	h	207	CLA	C4-C3-C5	2.57	119.69	115.23
14	Y	816	CLA	C4D-C3D-CAD	2.57	110.89	108.11
14	Y	820	CLA	CHD-C1D-ND	-2.57	121.19	124.80
14	L	201	CLA	C2B-C1B-NB	2.57	112.99	110.33
14	B	812	CLA	C1-O2A-CGA	2.57	122.86	116.65
14	Z	813	CLA	CHB-C4A-NA	2.57	128.10	124.40
14	A	802	CLA	CHC-C1C-C2C	-2.57	119.66	126.95
14	Z	818	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	H	806	CLA	O2A-C1-C2	2.57	117.98	108.11
14	H	805	CLA	CHB-C4A-NA	2.57	128.10	124.40
14	H	833	CLA	O1D-CGD-CBD	-2.56	119.46	124.52
14	Y	820	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
14	G	836	CLA	CMD-C2D-C3D	-2.56	121.81	127.69
14	A	811	CLA	C4D-C3D-CAD	2.56	110.89	108.11
14	Z	824	CLA	CHD-C1D-ND	-2.56	121.19	124.80
14	A	812	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
13	G	801	CL0	CMD-C2D-C3D	-2.56	121.81	127.69
14	Y	834	CLA	C3C-C4C-NC	2.56	113.71	110.43
14	B	830	CLA	CMD-C2D-C3D	-2.56	121.82	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	803	CLA	O2D-CGD-CBD	2.56	115.71	111.23
14	H	810	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	B	817	CLA	CHD-C1D-ND	-2.56	121.20	124.80
14	Y	835	CLA	CHD-C1D-ND	-2.56	121.20	124.80
14	A	825	CLA	C2B-C1B-NB	2.56	112.98	110.33
14	h	206	CLA	C3C-C4C-NC	2.56	113.71	110.43
17	F	203	BCR	C8-C7-C6	-2.56	120.17	127.00
14	G	804	CLA	CMD-C2D-C3D	-2.56	121.83	127.69
17	Y	851	BCR	C15-C14-C13	-2.56	123.69	127.28
14	H	824	CLA	CMD-C2D-C3D	-2.56	121.83	127.69
14	G	843	CLA	C4D-C3D-CAD	2.56	110.88	108.11
14	Z	807	CLA	OBD-CAD-C3D	-2.56	122.44	128.42
14	Z	828	CLA	CMB-C2B-C1B	2.56	129.31	125.42
14	A	816	CLA	CHC-C1C-C2C	-2.56	119.69	126.95
14	G	824	CLA	O2D-CGD-CBD	2.56	115.70	111.23
14	Z	802	CLA	C3D-C4D-ND	2.55	114.14	109.99
14	Z	834	CLA	CMD-C2D-C3D	-2.55	121.84	127.69
14	H	803	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	Y	833	CLA	C2B-C1B-NB	2.55	112.97	110.33
14	H	832	CLA	CHD-C1D-ND	-2.55	121.21	124.80
14	Y	827	CLA	C4C-C3C-C2C	-2.55	103.18	106.89
14	A	819	CLA	CHC-C1C-C2C	-2.55	119.70	126.95
14	Z	811	CLA	CED-O2D-CGD	2.55	121.70	115.92
14	X	1701	CLA	C2B-C1B-NB	2.55	112.97	110.33
14	Z	824	CLA	O2A-C1-C2	2.55	117.92	108.11
14	B	806	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	H	805	CLA	CHD-C1D-ND	-2.55	121.22	124.80
14	d	202	CLA	CHD-C1D-ND	-2.55	121.22	124.80
14	Y	826	CLA	CAA-C2A-C1A	-2.55	103.62	111.97
14	H	830	CLA	CMC-C2C-C1C	2.55	129.02	125.03
14	J	102	CLA	CHB-C1B-C2B	-2.55	120.03	127.43
14	H	829	CLA	CAA-C2A-C3A	-2.55	106.11	113.00
14	Y	820	CLA	O2A-C1-C2	2.55	117.91	108.11
14	U	1003	CLA	C2B-C1B-NB	2.55	112.97	110.33
17	J	104	BCR	C3-C4-C5	-2.55	109.51	114.06
14	H	831	CLA	CHC-C1C-C2C	-2.55	119.71	126.95
14	A	817	CLA	CAC-C3C-C4C	2.55	128.10	124.79
14	B	832	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	G	828	CLA	C3D-C4D-ND	2.55	114.12	109.99
14	B	841	CLA	C3C-C4C-NC	2.55	113.69	110.43
14	Y	817	CLA	C3C-C4C-NC	2.55	113.69	110.43
14	G	823	CLA	CMA-C3A-C4A	2.55	118.61	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	810	CLA	C3D-C4D-ND	2.55	114.12	109.99
14	G	843	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	B	837	CLA	C3C-C4C-NC	2.54	113.69	110.43
18	A	851	LHG	O7-C7-O9	-2.54	117.76	123.70
14	H	824	CLA	CMA-C3A-C4A	2.54	118.61	111.77
14	H	821	CLA	CMB-C2B-C3B	2.54	132.53	126.55
14	H	815	CLA	CMD-C2D-C3D	-2.54	121.86	127.69
14	A	833	CLA	CMA-C3A-C4A	2.54	118.61	111.77
14	B	826	CLA	O2A-C1-C2	2.54	117.89	108.11
14	Z	802	CLA	O2D-CGD-CBD	2.54	115.67	111.23
14	B	801	CLA	CAC-C3C-C4C	2.54	128.10	124.79
14	U	1006	CLA	C4D-C3D-CAD	2.54	110.87	108.11
14	A	824	CLA	O2A-C1-C2	2.54	117.89	108.11
14	K	101	CLA	CHC-C1C-C2C	-2.54	119.73	126.95
14	B	836	CLA	CED-O2D-CGD	2.54	121.68	115.92
17	A	845	BCR	C36-C18-C19	-2.54	114.21	118.09
14	Z	805	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	Z	836	CLA	C6-C5-C3	-2.54	107.28	113.47
14	A	838	CLA	C3C-C4C-NC	2.54	113.68	110.43
14	Z	805	CLA	C1-C2-C3	-2.54	122.04	126.20
14	Z	835	CLA	CMD-C2D-C3D	-2.54	121.87	127.69
14	H	802	CLA	CHD-C1D-ND	-2.54	121.23	124.80
14	A	852	CLA	C2B-C1B-NB	2.54	112.96	110.33
14	H	833	CLA	CHC-C1C-C2C	-2.54	119.74	126.95
14	X	1701	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	H	827	CLA	C4-C3-C5	2.54	119.63	115.23
14	B	804	CLA	C4C-C3C-C2C	-2.54	103.20	106.89
14	G	805	CLA	CAA-C2A-C3A	-2.54	106.15	113.00
14	U	1002	CLA	CHD-C1D-ND	-2.53	121.23	124.80
14	Y	839	CLA	CAC-C3C-C4C	2.53	128.09	124.79
14	d	202	CLA	CMB-C2B-C3B	2.53	132.51	126.55
14	Z	811	CLA	O2A-C1-C2	2.53	117.86	108.11
14	H	836	CLA	C2B-C1B-NB	2.53	112.95	110.33
14	G	839	CLA	O1D-CGD-CBD	-2.53	119.52	124.52
13	A	801	CL0	C3D-C4D-ND	2.53	114.10	109.99
13	Y	801	CL0	C3D-C4D-ND	2.53	114.10	109.99
14	G	821	CLA	C1-O2A-CGA	2.53	122.78	116.65
17	L	209	BCR	C31-C1-C6	-2.53	106.27	110.24
14	Z	815	CLA	C4-C3-C2	-2.53	117.12	123.63
14	A	839	CLA	C2B-C1B-NB	2.53	112.95	110.33
14	A	834	CLA	CMD-C2D-C3D	-2.53	121.88	127.69
17	G	846	BCR	C23-C24-C25	-2.53	120.23	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	806	CLA	O1D-CGD-CBD	-2.53	119.52	124.52
14	Z	828	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	A	822	CLA	CAA-C2A-C3A	-2.53	106.16	113.00
14	G	843	CLA	O1D-CGD-CBD	-2.53	119.53	124.52
14	Z	812	CLA	CMD-C2D-C3D	-2.53	121.88	127.69
14	G	835	CLA	CMB-C2B-C1B	2.53	129.27	125.42
14	Y	802	CLA	CHC-C1C-C2C	-2.53	119.75	126.95
14	Y	855	CLA	CGD-CBD-CAD	2.53	119.04	110.85
14	A	812	CLA	CMB-C2B-C1B	2.53	129.27	125.42
14	F	202	CLA	CHD-C1D-ND	-2.53	121.24	124.80
14	L	205	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	Y	804	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	Z	820	CLA	CMC-C2C-C1C	2.53	128.99	125.03
14	A	840	CLA	CHB-C1B-C2B	-2.53	120.08	127.43
17	H	844	BCR	C15-C14-C13	-2.53	123.73	127.28
17	B	848	BCR	C37-C22-C23	2.53	121.95	118.09
14	H	815	CLA	C1-O2A-CGA	2.53	122.77	116.65
14	B	832	CLA	CHC-C1C-C2C	-2.53	119.77	126.95
14	A	827	CLA	CAC-C3C-C4C	2.53	128.08	124.79
14	Y	830	CLA	CMA-C3A-C4A	2.52	118.56	111.77
17	Y	851	BCR	C28-C27-C26	-2.52	109.56	114.06
14	Y	834	CLA	C1-O2A-CGA	2.52	122.76	116.65
14	Z	819	CLA	CBC-CAC-C3C	-2.52	105.58	112.42
14	Y	828	CLA	CHD-C4C-C3C	-2.52	121.10	124.77
14	B	838	CLA	CHC-C1C-C2C	-2.52	119.78	126.95
14	G	813	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
14	G	832	CLA	C4-C3-C5	2.52	119.60	115.23
14	L	207	CLA	C1-C2-C3	-2.52	122.07	126.20
14	B	840	CLA	CMA-C3A-C2A	2.52	123.73	113.98
14	Z	831	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
14	H	823	CLA	OBD-CAD-C3D	-2.52	122.53	128.42
17	Y	850	BCR	C33-C5-C6	-2.52	121.73	124.48
14	G	803	CLA	CED-O2D-CGD	2.52	121.63	115.92
14	Z	816	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
14	G	813	CLA	O2A-CGA-CBA	2.52	119.52	111.83
14	B	841	CLA	CHC-C1C-C2C	-2.52	119.79	126.95
17	B	845	BCR	C36-C18-C19	-2.52	114.24	118.09
14	Y	807	CLA	CMA-C3A-C4A	2.52	118.54	111.77
14	B	840	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	B	830	CLA	OBD-CAD-C3D	-2.52	122.53	128.42
14	A	802	CLA	CAA-CBA-CGA	2.52	120.36	113.21
14	H	835	CLA	C4D-C3D-CAD	2.52	110.84	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	101	CLA	CAA-C2A-C1A	-2.52	103.73	111.97
14	A	804	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
17	f	104	BCR	C36-C18-C19	-2.52	114.24	118.09
15	H	839	PQN	C11-C3-C2	-2.52	120.58	124.89
17	A	846	BCR	C7-C8-C9	-2.52	122.51	126.23
14	T	103	CLA	C3C-C4C-NC	2.52	113.65	110.43
14	G	824	CLA	C1-C2-C3	-2.52	122.08	126.20
14	Y	812	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
17	U	1005	BCR	C7-C8-C9	-2.52	122.51	126.23
14	G	829	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	G	827	CLA	C3B-C4B-NB	-2.51	108.28	110.53
17	L	209	BCR	C30-C25-C26	-2.51	119.20	122.64
14	Y	822	CLA	CMD-C2D-C3D	-2.51	121.92	127.69
14	B	821	CLA	C3C-C4C-NC	2.51	113.65	110.43
14	H	807	CLA	CAA-C2A-C1A	-2.51	103.74	111.97
14	A	828	CLA	CHB-C1B-C2B	-2.51	120.13	127.43
14	Y	842	CLA	C2B-C1B-NB	2.51	112.93	110.33
14	A	841	CLA	CAC-C3C-C4C	2.51	128.06	124.79
14	Y	842	CLA	CAC-C3C-C4C	2.51	128.06	124.79
14	A	825	CLA	CMD-C2D-C3D	-2.51	121.93	127.69
17	B	847	BCR	C39-C30-C25	-2.51	106.30	110.24
14	Y	816	CLA	O2A-C1-C2	2.51	117.78	108.11
14	H	826	CLA	C4D-C3D-CAD	2.51	110.83	108.11
14	Z	837	CLA	O1D-CGD-CBD	-2.51	119.56	124.52
14	B	814	CLA	CHB-C1B-C2B	-2.51	120.14	127.43
14	Z	818	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	Y	826	CLA	C3C-C4C-NC	2.51	113.65	110.43
14	f	101	CLA	CMC-C2C-C1C	2.51	128.96	125.03
15	Z	840	PQN	C2M-C2-C3	-2.51	120.32	124.45
17	Y	851	BCR	C33-C5-C6	-2.51	121.75	124.48
14	B	834	CLA	CMB-C2B-C3B	2.51	132.45	126.55
14	A	816	CLA	CMB-C2B-C1B	2.51	129.24	125.42
14	H	821	CLA	CHC-C1C-C2C	-2.51	119.81	126.95
14	Z	811	CLA	CHC-C1C-C2C	-2.51	119.82	126.95
14	A	828	CLA	C3D-C4D-ND	2.51	114.06	109.99
14	A	814	CLA	CAA-C2A-C1A	-2.51	103.76	111.97
14	Z	811	CLA	C1D-CHD-C4C	-2.51	120.69	126.02
14	g	101	CLA	CHC-C1C-C2C	-2.51	119.82	126.95
14	Z	807	CLA	CED-O2D-CGD	2.51	121.60	115.92
17	Y	849	BCR	C27-C26-C25	-2.51	119.32	122.70
14	H	812	CLA	C4D-C3D-CAD	2.51	110.83	108.11
15	H	839	PQN	C16-C15-C13	-2.51	107.36	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	823	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	H	822	CLA	C2B-C1B-NB	2.51	112.92	110.33
14	A	817	CLA	O2D-CGD-O1D	-2.51	118.97	123.85
14	Y	825	CLA	CHD-C1D-ND	-2.51	121.28	124.80
14	Y	833	CLA	OBD-CAD-C3D	-2.51	122.56	128.42
14	H	819	CLA	CHB-C4A-NA	2.51	128.02	124.40
14	Y	803	CLA	CHC-C1C-C2C	-2.51	119.83	126.95
14	B	831	CLA	CHD-C1D-ND	-2.51	121.28	124.80
14	Z	835	CLA	CMB-C2B-C3B	2.51	132.44	126.55
14	A	802	CLA	CMC-C2C-C1C	2.50	128.95	125.03
14	H	807	CLA	CHC-C1C-C2C	-2.50	119.83	126.95
14	Z	816	CLA	CHC-C1C-C2C	-2.50	119.83	126.95
14	g	102	CLA	CHC-C1C-C2C	-2.50	119.83	126.95
14	G	835	CLA	CED-O2D-CGD	2.50	121.59	115.92
14	B	826	CLA	C4C-C3C-C2C	-2.50	103.25	106.89
17	B	844	BCR	C31-C1-C6	-2.50	106.32	110.24
14	H	832	CLA	CMB-C2B-C1B	2.50	129.23	125.42
14	Z	837	CLA	O2D-CGD-O1D	-2.50	118.97	123.85
17	Z	842	BCR	C38-C26-C27	2.50	118.93	113.60
14	Z	813	CLA	C4C-C3C-C2C	-2.50	103.25	106.89
14	Y	804	CLA	O1D-CGD-CBD	-2.50	119.58	124.52
14	H	825	CLA	CMA-C3A-C4A	2.50	118.50	111.77
14	Z	824	CLA	CMB-C2B-C1B	2.50	129.23	125.42
14	H	831	CLA	CHB-C1B-C2B	-2.50	120.17	127.43
19	Z	847	LMG	O8-C28-C29	2.50	119.46	111.83
14	A	814	CLA	CAC-C3C-C4C	2.50	128.04	124.79
14	G	825	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	H	808	CLA	C7-C6-C5	-2.50	106.60	113.26
14	A	805	CLA	CAA-C2A-C3A	-2.50	106.24	113.00
14	A	824	CLA	CHD-C1D-ND	-2.50	121.28	124.80
14	H	820	CLA	CMA-C3A-C4A	2.50	118.49	111.77
14	Z	833	CLA	CED-O2D-CGD	2.50	121.59	115.92
17	i	101	BCR	C31-C1-C6	-2.50	106.32	110.24
14	Y	818	CLA	C4-C3-C5	2.50	119.56	115.23
17	G	847	BCR	C15-C14-C13	-2.50	123.77	127.28
14	B	839	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	G	810	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	G	831	CLA	O2A-C1-C2	2.50	117.72	108.11
17	J	104	BCR	C38-C26-C25	-2.50	121.76	124.48
17	T	102	BCR	C30-C25-C26	-2.50	119.22	122.64
14	H	835	CLA	OBD-CAD-C3D	-2.50	122.58	128.42
14	Y	816	CLA	CMC-C2C-C1C	2.50	128.94	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	207	CLA	CMA-C3A-C4A	2.50	118.48	111.77
14	B	825	CLA	CMB-C2B-C3B	2.50	132.42	126.55
14	Y	841	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	T	103	CLA	C2B-C1B-NB	2.50	112.91	110.33
14	A	828	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	H	826	CLA	O1D-CGD-CBD	-2.49	119.60	124.52
14	H	806	CLA	C4C-C3C-C2C	-2.49	103.26	106.89
14	B	808	CLA	C5-C3-C2	-2.49	115.57	121.17
14	Y	830	CLA	CMB-C2B-C3B	2.49	132.42	126.55
17	B	848	BCR	C35-C13-C14	-2.49	118.78	122.82
14	f	102	CLA	CAA-CBA-CGA	-2.49	106.13	113.21
14	Y	854	CLA	C3C-C4C-NC	2.49	113.62	110.43
14	H	807	CLA	C2A-C3A-C4A	-2.49	97.84	101.87
14	Z	821	CLA	CHD-C1D-ND	-2.49	121.29	124.80
14	L	206	CLA	O2A-C1-C2	2.49	117.70	108.11
14	G	806	CLA	CMB-C2B-C1B	2.49	129.22	125.42
14	H	814	CLA	O1D-CGD-CBD	-2.49	119.60	124.52
14	G	838	CLA	CED-O2D-CGD	2.49	121.57	115.92
14	H	824	CLA	CED-O2D-CGD	2.49	121.57	115.92
14	G	822	CLA	OBD-CAD-C3D	-2.49	122.59	128.42
17	Z	843	BCR	C12-C13-C14	2.49	122.93	119.01
14	A	834	CLA	CAC-C3C-C4C	2.49	128.03	124.79
14	G	814	CLA	C1-C2-C3	-2.49	122.73	126.76
14	Y	836	CLA	CMB-C2B-C1B	2.49	129.21	125.42
14	B	829	CLA	CHD-C1D-ND	-2.49	121.30	124.80
17	H	841	BCR	C3-C4-C5	-2.49	109.61	114.06
14	L	201	CLA	C7-C6-C5	-2.49	106.63	113.26
14	Z	833	CLA	CHC-C1C-C2C	-2.49	119.87	126.95
14	H	824	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	B	830	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
17	Q	202	BCR	C37-C22-C23	2.49	121.89	118.09
14	H	802	CLA	CMB-C2B-C3B	2.49	132.40	126.55
14	B	823	CLA	CHC-C1C-C2C	-2.49	119.88	126.95
14	L	201	CLA	OBD-CAD-C3D	-2.49	122.60	128.42
14	Y	854	CLA	C3D-C4D-ND	2.49	114.03	109.99
14	B	812	CLA	C1-C2-C3	-2.49	122.74	126.76
14	Y	839	CLA	CMB-C2B-C1B	2.49	129.21	125.42
17	B	851	BCR	C38-C26-C27	2.49	118.90	113.60
14	H	835	CLA	O2D-CGD-O1D	-2.49	119.01	123.85
14	B	826	CLA	CHB-C4A-NA	2.49	127.99	124.40
14	Y	803	CLA	C3D-C4D-ND	2.49	114.03	109.99
14	B	817	CLA	CMC-C2C-C1C	2.49	128.92	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	839	CLA	CBC-CAC-C3C	-2.49	105.68	112.42
14	f	102	CLA	CMD-C2D-C3D	-2.49	121.99	127.69
14	G	819	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	H	819	CLA	C3D-C4D-ND	2.48	114.03	109.99
14	Y	811	CLA	CED-O2D-CGD	2.48	121.55	115.92
17	R	101	BCR	C39-C30-C25	-2.48	106.35	110.24
14	J	101	CLA	CMD-C2D-C3D	-2.48	121.99	127.69
14	A	813	CLA	CMA-C3A-C4A	2.48	118.45	111.77
14	G	811	CLA	CHD-C1D-ND	-2.48	121.31	124.80
14	Y	837	CLA	OBD-CAD-C3D	-2.48	122.61	128.42
14	G	807	CLA	CED-O2D-CGD	2.48	121.55	115.92
14	L	206	CLA	CED-O2D-CGD	2.48	121.55	115.92
14	K	103	CLA	C2B-C1B-NB	2.48	112.90	110.33
14	L	207	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
14	B	811	CLA	CMC-C2C-C1C	2.48	128.91	125.03
14	B	828	CLA	C5-C3-C2	-2.48	115.59	121.17
14	V	1201	CLA	CAC-C3C-C4C	2.48	128.02	124.79
14	Z	832	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	R	101	BCR	C31-C1-C6	-2.48	106.35	110.24
14	Y	808	CLA	CHD-C1D-ND	-2.48	121.31	124.80
14	A	825	CLA	CHC-C1C-C2C	-2.48	119.90	126.95
17	K	102	BCR	C29-C28-C27	2.48	116.73	111.28
14	G	832	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	A	837	CLA	O2A-C1-C2	2.48	117.64	108.11
14	G	842	CLA	CHD-C1D-ND	-2.48	121.31	124.80
17	H	848	BCR	C7-C8-C9	-2.48	122.57	126.23
14	G	815	CLA	CGD-CBD-CAD	-2.48	102.82	110.85
14	Y	820	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	Y	825	CLA	CHC-C1C-C2C	-2.48	119.91	126.95
14	B	835	CLA	CHB-C1B-C2B	-2.48	120.24	127.43
17	H	841	BCR	C4-C5-C6	-2.48	119.36	122.70
14	H	801	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	Z	821	CLA	O2A-C1-C2	2.48	117.64	108.11
14	Z	822	CLA	O2A-C1-C2	2.48	117.64	108.11
14	Y	804	CLA	CHB-C4A-NA	2.48	127.97	124.40
14	G	832	CLA	CED-O2D-CGD	2.47	121.53	115.92
17	Y	848	BCR	C7-C8-C9	-2.47	122.58	126.23
14	Y	819	CLA	CHC-C1C-C2C	-2.47	119.92	126.95
14	Y	827	CLA	CHD-C1D-ND	-2.47	121.32	124.80
14	Z	805	CLA	OBD-CAD-C3D	-2.47	122.63	128.42
14	G	803	CLA	C3D-C4D-ND	2.47	114.01	109.99
14	B	814	CLA	C4-C3-C5	2.47	119.52	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	802	CLA	CBB-CAB-C3B	-2.47	115.17	127.53
14	H	838	CLA	CHC-C1C-C2C	-2.47	119.92	126.95
14	G	853	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	A	831	CLA	CMC-C2C-C1C	2.47	128.90	125.03
14	Y	825	CLA	CMD-C2D-C3D	-2.47	122.02	127.69
14	Y	834	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	H	836	CLA	C4D-C3D-CAD	2.47	110.79	108.11
14	B	831	CLA	CAC-C3C-C4C	2.47	128.00	124.79
14	U	1003	CLA	CHD-C1D-ND	-2.47	121.33	124.80
14	Z	832	CLA	C3C-C4C-NC	2.47	113.59	110.43
14	B	841	CLA	CMC-C2C-C3C	2.47	132.83	126.15
14	G	842	CLA	CMC-C2C-C1C	2.47	128.89	125.03
14	A	840	CLA	CHC-C1C-C2C	-2.47	119.93	126.95
14	Y	837	CLA	C1-O2A-CGA	2.47	122.63	116.65
14	H	838	CLA	CMC-C2C-C3C	2.47	132.83	126.15
17	G	850	BCR	C29-C28-C27	-2.47	105.85	111.28
14	A	830	CLA	CMA-C3A-C4A	2.47	118.41	111.77
14	G	807	CLA	C3C-C4C-NC	2.47	113.59	110.43
14	Z	802	CLA	C5-C3-C2	-2.47	115.63	121.17
14	W	1701	CLA	CMB-C2B-C1B	2.47	129.18	125.42
17	Y	856	BCR	C12-C13-C14	2.47	122.89	119.01
14	Y	843	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	d	201	CLA	CMD-C2D-C3D	-2.47	122.03	127.69
17	G	850	BCR	C7-C8-C9	-2.47	122.59	126.23
14	Y	819	CLA	CAC-C3C-C4C	2.47	128.00	124.79
17	G	849	BCR	C23-C22-C21	2.47	122.89	119.01
14	Y	834	CLA	CBC-CAC-C3C	-2.47	105.74	112.42
14	A	805	CLA	C1-C2-C3	-2.47	122.16	126.20
14	A	824	CLA	CAC-C3C-C4C	2.46	128.00	124.79
17	Y	850	BCR	C28-C27-C26	-2.46	109.66	114.06
18	H	847	LHG	O8-C23-C24	2.46	119.35	111.83
17	f	103	BCR	C24-C23-C22	-2.46	122.59	126.23
14	S	1103	CLA	OBD-CAD-C3D	-2.46	122.66	128.42
17	h	203	BCR	C30-C25-C24	2.46	122.33	115.65
14	A	833	CLA	CED-O2D-CGD	2.46	121.50	115.92
17	G	846	BCR	C2-C1-C6	-2.46	106.86	110.44
14	H	834	CLA	C4D-C3D-CAD	2.46	110.78	108.11
14	Z	808	CLA	O2A-C1-C2	2.46	117.59	108.11
14	Z	827	CLA	O2A-C1-C2	2.46	117.59	108.11
14	Z	816	CLA	CAC-C3C-C4C	2.46	127.99	124.79
14	G	853	CLA	CMB-C2B-C3B	2.46	132.34	126.55
14	Z	830	CLA	O1D-CGD-CBD	-2.46	119.66	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	d	203	BCR	C34-C9-C8	2.46	121.85	118.09
14	Z	826	CLA	CED-O2D-CGD	2.46	121.50	115.92
14	Z	837	CLA	CBC-CAC-C3C	-2.46	105.75	112.42
14	H	823	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
14	G	827	CLA	CHD-C4C-C3C	-2.46	121.19	124.77
14	B	831	CLA	CMD-C2D-C3D	-2.46	122.05	127.69
14	H	824	CLA	O2A-C1-C2	2.46	117.58	108.11
14	G	853	CLA	CHC-C1C-C2C	-2.46	119.95	126.95
17	G	848	BCR	C3-C4-C5	-2.46	109.67	114.06
14	A	826	CLA	CAA-C2A-C1A	-2.46	103.91	111.97
17	B	845	BCR	C15-C14-C13	-2.46	123.83	127.28
14	H	824	CLA	CAA-C2A-C3A	-2.46	106.35	113.00
14	A	817	CLA	CHD-C1D-ND	-2.46	121.34	124.80
17	d	203	BCR	C38-C26-C25	-2.46	121.80	124.48
14	A	852	CLA	C1-C2-C3	-2.46	122.17	126.20
17	H	844	BCR	C7-C8-C9	-2.46	122.60	126.23
14	G	819	CLA	CAA-C2A-C1A	-2.46	103.92	111.97
14	Y	813	CLA	O2D-CGD-O1D	-2.46	119.06	123.85
14	Z	834	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	B	833	CLA	C1-C2-C3	-2.46	122.17	126.20
17	Z	844	BCR	C29-C28-C27	-2.46	105.88	111.28
14	G	826	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	Y	823	CLA	CHD-C1D-ND	-2.46	121.35	124.80
14	G	822	CLA	C2B-C1B-NB	2.46	112.87	110.33
14	A	832	CLA	C11-C10-C8	-2.46	107.80	115.97
14	B	814	CLA	CHB-C4A-NA	2.46	127.94	124.40
14	H	828	CLA	CMB-C2B-C3B	2.46	132.33	126.55
14	Y	832	CLA	O2D-CGD-O1D	-2.46	119.07	123.85
14	H	805	CLA	O2A-C1-C2	2.46	117.56	108.11
14	B	812	CLA	CMA-C3A-C4A	2.46	118.37	111.77
14	Q	203	CLA	C4D-C3D-CAD	2.46	110.77	108.11
14	G	825	CLA	CHD-C4C-C3C	-2.46	121.19	124.77
14	Y	823	CLA	CAC-C3C-C4C	2.46	127.98	124.79
14	H	804	CLA	CED-O2D-CGD	2.45	121.48	115.92
14	Y	824	CLA	C4D-C3D-CAD	2.45	110.77	108.11
14	B	833	CLA	CBA-CAA-C2A	2.45	121.10	113.79
14	Z	828	CLA	C4D-C3D-CAD	2.45	110.77	108.11
14	Y	823	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	Y	838	CLA	CMC-C2C-C1C	2.45	128.87	125.03
14	B	832	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	Z	829	CLA	CED-O2D-CGD	2.45	121.48	115.92
14	G	809	CLA	OBD-CAD-C3D	-2.45	122.69	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	d	202	CLA	CED-O2D-CGD	2.45	121.48	115.92
14	H	801	CLA	C6-C5-C3	-2.45	107.50	113.47
14	W	1701	CLA	CHC-C1C-C2C	-2.45	119.98	126.95
14	H	820	CLA	CMB-C2B-C3B	2.45	132.31	126.55
14	Y	806	CLA	CHC-C1C-C2C	-2.45	119.98	126.95
17	L	209	BCR	C33-C5-C4	2.45	118.82	113.60
17	Y	846	BCR	C2-C3-C4	-2.45	105.89	111.28
14	A	837	CLA	C3C-C4C-NC	2.45	113.57	110.43
14	h	206	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
14	Z	813	CLA	C1D-CHD-C4C	-2.45	120.81	126.02
14	f	102	CLA	CMC-C2C-C1C	2.45	128.86	125.03
14	G	811	CLA	C3C-C4C-NC	2.45	113.57	110.43
17	H	842	BCR	C33-C5-C6	-2.45	121.81	124.48
14	B	824	CLA	OBD-CAD-C3D	-2.45	122.69	128.42
14	X	1701	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	h	206	CLA	CMA-C3A-C4A	2.45	118.35	111.77
14	G	828	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	h	206	CLA	CAA-C2A-C1A	-2.45	103.95	111.97
14	H	809	CLA	CHD-C1D-ND	-2.45	121.36	124.80
14	H	832	CLA	C3D-C4D-ND	2.45	113.97	109.99
14	H	824	CLA	CHB-C1B-C2B	-2.45	120.32	127.43
17	K	102	BCR	C37-C22-C21	-2.45	118.85	122.82
14	Y	825	CLA	CMA-C3A-C4A	2.45	118.35	111.77
14	H	813	CLA	CHB-C4A-NA	2.45	127.93	124.40
14	A	814	CLA	O2A-C1-C2	2.45	117.52	108.11
14	G	834	CLA	CED-O2D-CGD	2.45	121.47	115.92
14	G	838	CLA	C2B-C1B-NB	2.45	112.86	110.33
14	A	818	CLA	C4C-C3C-C2C	-2.45	103.33	106.89
14	h	205	CLA	C3D-C4D-ND	2.45	113.96	109.99
14	A	816	CLA	CMA-C3A-C4A	2.45	118.34	111.77
14	B	835	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	U	1002	CLA	C6-C7-C8	-2.44	107.84	115.97
14	Q	201	CLA	CED-O2D-CGD	2.44	121.46	115.92
14	Y	831	CLA	CAC-C3C-C4C	2.44	127.97	124.79
14	Z	821	CLA	CHC-C1C-C2C	-2.44	120.01	126.95
14	H	836	CLA	CED-O2D-CGD	2.44	121.45	115.92
14	S	1101	CLA	CHC-C1C-C2C	-2.44	120.01	126.95
14	B	824	CLA	C2B-C1B-NB	2.44	112.86	110.33
14	H	811	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	A	842	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	H	803	CLA	CHD-C1D-ND	-2.44	121.37	124.80
14	Y	811	CLA	C1-O2A-CGA	2.44	122.56	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	809	CLA	O2A-C1-C2	2.44	117.50	108.11
14	Y	833	CLA	CHC-C1C-C2C	-2.44	120.01	126.95
14	h	201	CLA	OBD-CAD-C3D	-2.44	122.71	128.42
17	R	102	BCR	C7-C6-C5	2.44	127.17	121.56
14	Y	810	CLA	C4D-C3D-CAD	2.44	110.76	108.11
14	Z	835	CLA	C1-C2-C3	-2.44	122.20	126.20
14	Y	805	CLA	CAA-C2A-C1A	-2.44	103.98	111.97
14	Z	832	CLA	O2D-CGD-O1D	-2.44	119.10	123.85
14	B	814	CLA	C1-O2A-CGA	2.44	122.55	116.65
17	A	847	BCR	C37-C22-C21	-2.44	118.86	122.82
14	Y	838	CLA	C1-C2-C3	-2.44	122.20	126.20
14	A	812	CLA	CAC-C3C-C4C	2.44	127.96	124.79
14	B	809	CLA	CHC-C1C-C2C	-2.44	120.02	126.95
14	Z	835	CLA	O2A-C1-C2	2.44	117.49	108.11
15	G	844	PQN	C2M-C2-C3	-2.44	120.44	124.45
14	Z	818	CLA	O2D-CGD-O1D	-2.44	119.11	123.85
14	B	811	CLA	C6-C5-C3	-2.44	107.53	113.47
14	Y	815	CLA	CMD-C2D-C3D	-2.44	122.10	127.69
14	A	808	CLA	CHB-C1B-C2B	-2.44	120.36	127.43
14	Z	824	CLA	CHB-C1B-C2B	-2.44	120.36	127.43
14	L	201	CLA	CHB-C4A-NA	2.44	127.92	124.40
14	G	828	CLA	O2A-C1-C2	2.44	117.48	108.11
18	j	101	LHG	O8-C23-O10	-2.44	117.54	123.63
14	H	804	CLA	CMD-C2D-C3D	-2.43	122.11	127.69
17	G	854	BCR	C27-C26-C25	-2.43	119.41	122.70
14	Z	803	CLA	CMA-C3A-C4A	2.43	118.32	111.77
14	Z	808	CLA	CMA-C3A-C4A	2.43	118.32	111.77
14	d	201	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
14	B	815	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	G	825	CLA	C2B-C1B-NB	2.43	112.85	110.33
17	h	203	BCR	C24-C25-C26	-2.43	115.95	121.56
14	A	833	CLA	CHD-C1D-ND	-2.43	121.38	124.80
14	Z	806	CLA	O2A-C1-C2	2.43	117.47	108.11
14	B	801	CLA	CHB-C1B-C2B	-2.43	120.36	127.43
14	A	820	CLA	O2A-C1-C2	2.43	117.47	108.11
14	A	832	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
14	G	840	CLA	CMD-C2D-C3D	-2.43	122.11	127.69
14	Z	837	CLA	O2A-CGA-CBA	2.43	121.68	114.00
14	B	818	CLA	C3D-C4D-ND	2.43	113.94	109.99
14	H	812	CLA	CHD-C1D-ND	-2.43	121.38	124.80
14	G	840	CLA	CHB-C1B-C2B	-2.43	120.37	127.43
19	B	849	LMG	O6-C1-O1	-2.43	104.30	110.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	815	CLA	CMB-C2B-C3B	2.43	132.27	126.55
14	G	820	CLA	C4-C3-C5	2.43	119.45	115.23
14	Y	825	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
14	G	808	CLA	CMC-C2C-C1C	2.43	128.83	125.03
14	G	831	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	A	829	CLA	CMA-C3A-C4A	2.43	118.29	111.77
14	Y	812	CLA	C2B-C1B-NB	2.43	112.84	110.33
14	B	805	CLA	CHC-C1C-C2C	-2.42	120.06	126.95
14	B	827	CLA	CHA-C4D-ND	2.42	137.55	132.55
14	Z	810	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	G	819	CLA	CHB-C1B-C2B	-2.42	120.39	127.43
14	Z	829	CLA	CMD-C2D-C3D	-2.42	122.13	127.69
14	J	101	CLA	CED-O2D-CGD	2.42	121.41	115.92
14	Z	829	CLA	O1D-CGD-CBD	-2.42	119.74	124.52
14	B	834	CLA	CHC-C1C-C2C	-2.42	120.06	126.95
14	A	803	CLA	CED-O2D-CGD	2.42	121.41	115.92
14	A	820	CLA	C3C-C4C-NC	2.42	113.53	110.43
14	G	820	CLA	CHD-C1D-ND	-2.42	121.39	124.80
17	H	841	BCR	C31-C1-C6	-2.42	106.44	110.24
14	G	838	CLA	O2D-CGD-O1D	-2.42	119.13	123.85
14	B	803	CLA	CHC-C1C-C2C	-2.42	120.07	126.95
14	Y	814	CLA	CMC-C2C-C1C	2.42	128.82	125.03
17	H	842	BCR	C31-C1-C6	-2.42	106.45	110.24
14	Z	811	CLA	CMD-C2D-C3D	-2.42	122.14	127.69
17	U	1007	BCR	C23-C22-C21	-2.42	115.20	119.01
17	f	105	BCR	C37-C22-C23	2.42	121.78	118.09
17	U	1007	BCR	C29-C30-C25	-2.42	106.93	110.44
14	A	815	CLA	CMB-C2B-C3B	2.42	132.24	126.55
14	G	840	CLA	C4D-C3D-CAD	2.42	110.73	108.11
17	Z	844	BCR	C40-C30-C25	2.42	114.03	110.24
14	A	839	CLA	CHD-C1D-ND	-2.42	121.40	124.80
14	A	818	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	Z	827	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	A	813	CLA	CMB-C2B-C1B	2.42	129.10	125.42
14	A	829	CLA	C2B-C1B-NB	2.42	112.83	110.33
14	B	822	CLA	CHC-C1C-C2C	-2.42	120.08	126.95
14	B	815	CLA	CHC-C1C-C2C	-2.41	120.08	126.95
14	S	1102	CLA	CMA-C3A-C4A	2.41	118.26	111.77
14	B	803	CLA	CHD-C4C-C3C	-2.41	121.25	124.77
14	G	822	CLA	CHC-C1C-C2C	-2.41	120.09	126.95
14	A	822	CLA	CMC-C2C-C1C	2.41	128.81	125.03
14	Z	828	CLA	C2B-C1B-NB	2.41	112.83	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	102	CLA	CMD-C2D-C3D	-2.41	122.15	127.69
14	G	823	CLA	C1-O2A-CGA	2.41	122.49	116.65
14	B	841	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	Y	828	CLA	C1D-CHD-C4C	-2.41	120.89	126.02
14	B	829	CLA	CBC-CAC-C3C	-2.41	105.88	112.42
14	B	814	CLA	CAC-C3C-C4C	2.41	127.93	124.79
14	A	835	CLA	CMD-C2D-C3D	-2.41	122.16	127.69
14	Y	817	CLA	CMC-C2C-C3C	2.41	132.67	126.15
14	A	833	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	A	826	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
14	Z	819	CLA	CHC-C1C-C2C	-2.41	120.09	126.95
14	B	809	CLA	C2B-C1B-NB	2.41	112.83	110.33
14	B	816	CLA	CMB-C2B-C3B	2.41	132.22	126.55
14	Z	830	CLA	C1D-CHD-C4C	-2.41	120.89	126.02
14	Y	807	CLA	CAC-C3C-C4C	2.41	127.93	124.79
14	H	838	CLA	CMA-C3A-C4A	2.41	118.25	111.77
14	H	816	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
14	Z	820	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	f	102	CLA	C1-O2A-CGA	2.41	122.48	116.65
14	A	852	CLA	CMB-C2B-C1B	2.41	129.09	125.42
14	Z	825	CLA	CHB-C1B-C2B	-2.41	120.44	127.43
13	A	801	CL0	CHB-C4A-NA	2.41	127.88	124.40
14	B	838	CLA	C1-O2A-CGA	2.41	122.48	116.65
14	H	836	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	B	817	CLA	O2A-C1-C2	2.41	117.37	108.11
14	A	820	CLA	CMB-C2B-C1B	2.41	129.08	125.42
14	Y	809	CLA	CMC-C2C-C1C	2.41	128.79	125.03
14	Z	807	CLA	C1-C2-C3	-2.41	122.25	126.20
14	G	807	CLA	C2B-C1B-NB	2.41	112.82	110.33
14	G	806	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	H	817	CLA	OBD-CAD-C3D	-2.41	122.79	128.42
14	Z	829	CLA	O2D-CGD-O1D	-2.41	119.17	123.85
14	H	828	CLA	CMD-C2D-C3D	-2.41	122.17	127.69
14	A	816	CLA	C4D-C3D-CAD	2.40	110.72	108.11
14	B	827	CLA	CHC-C1C-C2C	-2.40	120.11	126.95
14	B	810	CLA	CAC-C3C-C4C	2.40	127.92	124.79
17	L	208	BCR	C33-C5-C6	-2.40	121.86	124.48
14	B	819	CLA	CED-O2D-CGD	2.40	121.37	115.92
14	d	201	CLA	CHC-C1C-C2C	-2.40	120.12	126.95
14	H	806	CLA	CHD-C1D-ND	-2.40	121.42	124.80
14	A	824	CLA	CMA-C3A-C4A	2.40	118.23	111.77
14	H	810	CLA	CHC-C1C-C2C	-2.40	120.12	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	829	CLA	C3C-C4C-NC	2.40	113.51	110.43
14	Y	843	CLA	CMD-C2D-C3D	-2.40	122.18	127.69
14	Z	803	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
14	B	803	CLA	C3A-C2A-C1A	-2.40	97.74	101.34
17	Y	847	BCR	C27-C26-C25	-2.40	119.46	122.70
14	A	836	CLA	CMD-C2D-C3D	-2.40	122.18	127.69
14	Y	812	CLA	O2A-C1-C2	2.40	117.35	108.11
14	Y	825	CLA	CED-O2D-CGD	2.40	121.36	115.92
14	Y	823	CLA	CMB-C2B-C1B	2.40	129.07	125.42
14	Y	811	CLA	CMC-C2C-C1C	2.40	128.79	125.03
14	Y	823	CLA	CMC-C2C-C1C	2.40	128.78	125.03
14	H	817	CLA	CMA-C3A-C4A	2.40	118.22	111.77
14	Y	829	CLA	CHC-C1C-C2C	-2.40	120.13	126.95
14	K	101	CLA	CMC-C2C-C1C	2.40	128.78	125.03
14	A	805	CLA	C4D-C3D-CAD	2.40	110.71	108.11
17	J	104	BCR	C30-C25-C24	2.40	122.16	115.65
17	Z	844	BCR	C23-C24-C25	-2.40	120.59	127.00
14	S	1103	CLA	CMB-C2B-C1B	2.40	129.07	125.42
17	M	101	BCR	C7-C8-C9	-2.40	122.69	126.23
14	B	817	CLA	CED-O2D-CGD	2.40	121.36	115.92
14	Y	812	CLA	C1-O2A-CGA	2.40	122.46	116.65
17	H	840	BCR	C30-C25-C26	-2.40	119.36	122.64
14	Y	834	CLA	CED-O2D-CGD	2.40	121.36	115.92
14	Y	818	CLA	CMA-C3A-C4A	2.40	118.22	111.77
14	H	804	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
14	B	817	CLA	CHC-C1C-C2C	-2.40	120.13	126.95
14	H	829	CLA	C4D-C3D-CAD	2.40	110.71	108.11
14	G	831	CLA	CHD-C4C-C3C	-2.40	121.28	124.77
14	B	818	CLA	C4C-C3C-C2C	-2.40	103.40	106.89
14	A	813	CLA	CAC-C3C-C4C	2.40	127.91	124.79
14	G	824	CLA	CMC-C2C-C1C	2.40	128.78	125.03
19	H	846	LMG	O4-C4-C3	-2.40	104.73	110.38
14	A	833	CLA	C3D-C4D-ND	2.40	113.88	109.99
14	B	841	CLA	C6-C5-C3	-2.40	107.63	113.47
14	f	101	CLA	CAC-C3C-C4C	2.40	127.91	124.79
14	B	812	CLA	CED-O2D-CGD	2.40	121.35	115.92
14	A	831	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
14	Z	833	CLA	OBD-CAD-C3D	-2.40	122.82	128.42
14	j	102	CLA	CHC-C1C-C2C	-2.39	120.14	126.95
14	G	837	CLA	CMD-C2D-C3D	-2.39	122.20	127.69
14	H	818	CLA	CMD-C2D-C3D	-2.39	122.20	127.69
14	B	840	CLA	CHB-C1B-C2B	-2.39	120.48	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	803	CLA	CHD-C1D-ND	-2.39	121.43	124.80
14	H	824	CLA	C4-C3-C2	-2.39	117.48	123.63
14	H	823	CLA	CMB-C2B-C3B	2.39	132.18	126.55
14	h	206	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	H	837	CLA	CMC-C2C-C1C	2.39	128.77	125.03
14	Z	813	CLA	C4D-C3D-CAD	2.39	110.70	108.11
14	Y	831	CLA	CMC-C2C-C1C	2.39	128.77	125.03
14	G	829	CLA	O1D-CGD-CBD	-2.39	119.80	124.52
14	H	826	CLA	C2B-C1B-NB	2.39	112.81	110.33
14	H	802	CLA	C5-C3-C2	-2.39	115.80	121.17
14	G	803	CLA	C11-C12-C13	-2.39	108.02	115.97
14	B	825	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	Z	815	CLA	O1D-CGD-CBD	-2.39	119.80	124.52
14	A	829	CLA	CAC-C3C-C4C	2.39	127.90	124.79
14	Z	831	CLA	C4-C3-C5	2.39	119.38	115.23
14	H	830	CLA	CED-O2D-CGD	2.39	121.34	115.92
17	B	847	BCR	C8-C9-C10	2.39	122.77	119.01
14	A	818	CLA	C1D-CHD-C4C	-2.39	120.94	126.02
14	Y	821	CLA	O2A-C1-C2	2.39	117.30	108.11
14	G	828	CLA	CED-O2D-CGD	2.39	121.33	115.92
14	Z	817	CLA	C3C-C4C-NC	2.39	113.49	110.43
14	F	202	CLA	C3D-C4D-ND	2.39	113.87	109.99
14	Z	820	CLA	CMB-C2B-C1B	2.39	129.05	125.42
14	G	828	CLA	C4C-C3C-C2C	-2.39	103.42	106.89
14	Z	825	CLA	CMC-C2C-C1C	2.39	128.76	125.03
14	G	838	CLA	CAC-C3C-C4C	2.39	127.89	124.79
14	H	825	CLA	CHD-C1D-ND	-2.39	121.44	124.80
17	B	847	BCR	C32-C1-C6	-2.38	106.50	110.24
17	M	101	BCR	C28-C27-C26	-2.38	109.80	114.06
14	B	821	CLA	C2B-C1B-NB	2.38	112.80	110.33
14	G	808	CLA	CAA-C2A-C1A	-2.38	104.16	111.97
14	Y	835	CLA	CMD-C2D-C3D	-2.38	122.22	127.69
14	A	834	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	G	825	CLA	C1D-CHD-C4C	-2.38	120.95	126.02
14	U	1006	CLA	CAA-C2A-C1A	2.38	119.79	111.97
14	A	803	CLA	CMD-C2D-C3D	-2.38	122.22	127.69
17	U	1005	BCR	C33-C5-C6	-2.38	121.88	124.48
14	A	808	CLA	CMA-C3A-C4A	2.38	118.18	111.77
14	Z	820	CLA	CHD-C1D-ND	-2.38	121.45	124.80
15	B	842	PQN	C2M-C2-C1	2.38	121.06	116.68
14	Z	830	CLA	CHC-C1C-C2C	-2.38	120.18	126.95
14	A	802	CLA	C1-O2A-CGA	2.38	122.42	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	845	BCR	C32-C1-C6	-2.38	106.51	110.24
14	G	819	CLA	CHB-C4A-NA	2.38	127.84	124.40
14	Z	825	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	Y	818	CLA	CHB-C1B-C2B	-2.38	120.52	127.43
14	H	826	CLA	C1-C2-C3	-2.38	122.30	126.20
14	B	831	CLA	OBD-CAD-C3D	-2.38	122.85	128.42
14	Z	821	CLA	CMD-C2D-C3D	-2.38	122.23	127.69
14	B	813	CLA	C4C-C3C-C2C	-2.38	103.43	106.89
14	A	832	CLA	O1D-CGD-CBD	-2.38	119.83	124.52
14	H	809	CLA	O2A-C1-C2	2.38	117.26	108.11
14	B	824	CLA	CMB-C2B-C3B	2.38	132.15	126.55
14	Y	831	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	H	817	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
14	A	833	CLA	O1D-CGD-CBD	-2.38	119.83	124.52
14	G	803	CLA	CHD-C1D-ND	-2.38	121.45	124.80
14	U	1002	CLA	CGD-CBD-CAD	-2.38	103.15	110.85
17	Z	846	BCR	C33-C5-C6	-2.38	121.89	124.48
14	B	837	CLA	O2A-C1-C2	2.38	117.26	108.11
14	J	101	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
13	Y	801	CL0	CHC-C1C-C2C	-2.38	120.19	126.95
14	B	837	CLA	CMB-C2B-C3B	2.38	132.14	126.55
14	U	1006	CLA	C4C-C3C-C2C	-2.38	103.43	106.89
14	G	820	CLA	CAC-C3C-C4C	2.38	127.88	124.79
14	Y	855	CLA	C1D-CHD-C4C	-2.38	120.97	126.02
14	G	833	CLA	CBB-CAB-C3B	-2.38	115.65	127.53
14	G	812	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
14	Y	812	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
14	Z	826	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
14	H	837	CLA	O2A-CGA-CBA	2.38	119.08	111.83
14	H	818	CLA	CMC-C2C-C1C	2.38	128.75	125.03
14	A	821	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	Y	802	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	Z	801	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	A	836	CLA	O2D-CGD-O1D	-2.38	119.22	123.85
14	Z	835	CLA	CHC-C1C-C2C	-2.37	120.20	126.95
14	B	833	CLA	CAA-C2A-C3A	-2.37	106.58	113.00
17	Y	850	BCR	C30-C25-C26	-2.37	119.39	122.64
14	A	815	CLA	CHD-C4C-C3C	-2.37	121.31	124.77
14	H	826	CLA	CHC-C1C-C2C	-2.37	120.20	126.95
14	Y	829	CLA	CMA-C3A-C4A	2.37	118.15	111.77
14	Y	809	CLA	CHC-C1C-C2C	-2.37	120.20	126.95
17	Z	841	BCR	C23-C22-C21	-2.37	115.28	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	806	CLA	CMC-C2C-C1C	2.37	128.74	125.03
14	U	1006	CLA	C4D-CHA-C1A	2.37	124.07	121.24
14	A	820	CLA	OBD-CAD-C3D	-2.37	122.87	128.42
14	A	804	CLA	CHC-C1C-C2C	-2.37	120.21	126.95
14	g	101	CLA	CMB-C2B-C1B	2.37	129.03	125.42
14	Z	831	CLA	C4C-C3C-C2C	-2.37	103.44	106.89
14	H	805	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	B	816	CLA	C4-C3-C5	2.37	119.34	115.23
14	S	1101	CLA	CMA-C3A-C4A	2.37	118.14	111.77
14	U	1006	CLA	CMC-C2C-C1C	2.37	128.74	125.03
14	A	816	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	G	834	CLA	CHD-C4C-C3C	-2.37	121.32	124.77
14	G	802	CLA	CHC-C1C-C2C	-2.37	120.22	126.95
14	A	825	CLA	O2D-CGD-O1D	-2.37	119.24	123.85
17	Z	844	BCR	C29-C30-C25	2.37	113.88	110.44
14	A	809	CLA	CAC-C3C-C4C	2.37	127.87	124.79
14	H	802	CLA	CAC-C3C-C4C	2.37	127.87	124.79
14	H	818	CLA	CMB-C2B-C3B	2.37	132.12	126.55
14	H	816	CLA	OBD-CAD-C3D	-2.37	122.89	128.42
14	Z	839	CLA	C3C-C4C-NC	2.37	113.46	110.43
14	Y	805	CLA	CHC-C1C-C2C	-2.37	120.22	126.95
18	Y	853	LHG	O8-C23-C24	2.37	119.05	111.83
14	G	843	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	Y	839	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	Z	801	CLA	C3C-C4C-NC	2.37	113.46	110.43
14	Z	837	CLA	CMD-C2D-C3D	-2.37	122.27	127.69
14	A	838	CLA	CAC-C3C-C4C	2.37	127.87	124.79
14	Z	813	CLA	CMB-C2B-C3B	2.36	132.11	126.55
14	B	837	CLA	C1D-CHD-C4C	-2.36	121.00	126.02
14	Y	831	CLA	C1D-CHD-C4C	-2.36	121.00	126.02
14	A	839	CLA	C3C-C4C-NC	2.36	113.46	110.43
14	H	813	CLA	C3C-C4C-NC	2.36	113.46	110.43
14	A	802	CLA	CHB-C4A-NA	2.36	127.81	124.40
14	B	824	CLA	CED-O2D-CGD	2.36	121.28	115.92
14	A	809	CLA	CMB-C2B-C1B	2.36	129.02	125.42
14	B	816	CLA	CGD-CBD-CAD	2.36	118.50	110.85
14	B	822	CLA	C1-C2-C3	-2.36	122.33	126.20
14	Z	839	CLA	O2D-CGD-O1D	-2.36	119.25	123.85
14	Z	818	CLA	CMD-C2D-C3D	-2.36	122.27	127.69
14	Z	804	CLA	CMB-C2B-C3B	2.36	132.11	126.55
14	H	834	CLA	OBD-CAD-C3D	-2.36	122.89	128.42
15	Y	844	PQN	C2M-C2-C3	-2.36	120.57	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	814	CLA	CHB-C1B-C2B	-2.36	120.57	127.43
14	A	828	CLA	CMD-C2D-C3D	-2.36	122.27	127.69
17	U	1005	BCR	C37-C22-C23	2.36	121.69	118.09
14	U	1003	CLA	CHC-C1C-C2C	-2.36	120.24	126.95
14	Y	832	CLA	CMA-C3A-C4A	2.36	118.11	111.77
14	B	813	CLA	C1-O2A-CGA	2.36	122.36	116.65
17	B	845	BCR	C32-C1-C6	2.36	113.94	110.24
14	H	806	CLA	CAC-C3C-C4C	2.36	127.86	124.79
18	G	852	LHG	C6-C5-C4	-2.36	106.28	111.78
17	Y	846	BCR	C36-C18-C19	-2.36	114.48	118.09
14	A	802	CLA	O2A-C1-C2	2.36	117.18	108.11
14	G	828	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	B	822	CLA	CMA-C3A-C4A	2.36	118.11	111.77
14	A	811	CLA	CMC-C2C-C1C	2.36	128.72	125.03
14	G	821	CLA	O2D-CGD-O1D	-2.36	119.26	123.85
14	A	817	CLA	C1-O2A-CGA	2.36	122.36	116.65
14	B	805	CLA	CMB-C2B-C3B	2.36	132.09	126.55
14	G	827	CLA	OBD-CAD-C3D	-2.36	122.91	128.42
14	G	822	CLA	C1-O2A-CGA	2.36	122.36	116.65
14	Y	823	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	G	813	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
14	G	831	CLA	O1D-CGD-CBD	-2.36	119.87	124.52
17	U	1007	BCR	C30-C25-C26	-2.36	119.42	122.64
14	T	103	CLA	CHC-C1C-C2C	-2.36	120.25	126.95
14	G	821	CLA	CHB-C4A-NA	2.36	127.80	124.40
14	A	815	CLA	C1-O2A-CGA	2.36	122.35	116.65
17	J	103	BCR	C33-C5-C6	-2.36	121.91	124.48
14	B	830	CLA	CED-O2D-CGD	2.36	121.26	115.92
17	L	203	BCR	C34-C9-C10	-2.35	119.00	122.82
14	H	826	CLA	C4C-C3C-C2C	-2.35	103.47	106.89
14	Z	816	CLA	C2B-C1B-NB	2.35	112.77	110.33
14	G	829	CLA	C1D-CHD-C4C	-2.35	121.02	126.02
14	Z	809	CLA	C4-C3-C2	-2.35	117.58	123.63
14	h	207	CLA	CMB-C2B-C3B	2.35	132.09	126.55
14	Y	817	CLA	C1-O2A-CGA	2.35	122.35	116.65
17	H	845	BCR	C30-C25-C26	-2.35	119.42	122.64
14	H	833	CLA	CBC-CAC-C3C	-2.35	106.04	112.42
17	G	849	BCR	C29-C30-C25	-2.35	107.02	110.44
14	H	837	CLA	CHC-C1C-C2C	-2.35	120.27	126.95
14	Z	813	CLA	CHD-C1D-ND	-2.35	121.49	124.80
14	B	829	CLA	C1D-CHD-C4C	-2.35	121.03	126.02
14	G	808	CLA	C6-C5-C3	-2.35	107.74	113.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	855	CLA	CHD-C1D-ND	-2.35	121.50	124.80
17	S	1104	BCR	C30-C25-C24	2.35	122.02	115.65
14	B	827	CLA	CHB-C4A-NA	2.35	127.79	124.40
14	H	802	CLA	CHA-C1A-NA	-2.35	121.07	126.39
14	Z	820	CLA	C1-O2A-CGA	2.35	122.33	116.65
14	Z	821	CLA	C1-O2A-CGA	2.35	122.33	116.65
14	Z	806	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	L	205	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	H	817	CLA	C4D-C3D-CAD	2.35	110.66	108.11
15	G	844	PQN	C14-C13-C15	2.35	119.30	115.23
14	Y	803	CLA	CHA-C4D-ND	2.35	137.39	132.55
14	A	833	CLA	C1-C2-C3	-2.35	122.35	126.20
14	G	831	CLA	CMA-C3A-C4A	2.35	118.08	111.77
17	B	848	BCR	C23-C22-C21	2.35	122.70	119.01
14	Y	823	CLA	C1-O2A-CGA	2.35	122.33	116.65
14	f	102	CLA	OBD-CAD-C3D	-2.35	122.93	128.42
14	A	806	CLA	CMB-C2B-C3B	2.35	132.07	126.55
14	H	819	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	Y	803	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	B	819	CLA	C4-C3-C5	2.34	119.30	115.23
14	A	824	CLA	CHD-C4C-C3C	-2.34	121.36	124.77
14	B	817	CLA	C1-C2-C3	-2.34	122.36	126.20
14	Y	829	CLA	C4D-C3D-CAD	2.34	110.65	108.11
14	Y	836	CLA	C4D-C3D-CAD	2.34	110.65	108.11
14	G	803	CLA	CGD-CBD-CAD	-2.34	103.26	110.85
14	Z	832	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
14	G	822	CLA	C4-C3-C5	2.34	119.30	115.23
14	Y	835	CLA	CAC-C3C-C4C	2.34	127.84	124.79
14	B	814	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
14	Z	826	CLA	CHB-C1B-C2B	-2.34	120.63	127.43
14	Z	836	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	B	816	CLA	C4D-C3D-CAD	2.34	110.65	108.11
14	B	827	CLA	CBB-CAB-C3B	-2.34	115.82	127.53
14	H	824	CLA	CAA-C2A-C1A	-2.34	104.30	111.97
14	A	806	CLA	CAC-C3C-C4C	2.34	127.84	124.79
14	B	815	CLA	OBD-CAD-C3D	-2.34	122.94	128.42
14	Z	822	CLA	C1-C2-C3	-2.34	122.36	126.20
14	B	840	CLA	C4C-C3C-C2C	-2.34	103.48	106.89
14	j	102	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	H	812	CLA	C2B-C1B-NB	2.34	112.75	110.33
14	A	813	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	Z	829	CLA	C3C-C4C-NC	2.34	113.43	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	838	CLA	CBC-CAC-C3C	-2.34	106.08	112.42
14	Y	815	CLA	O1D-CGD-CBD	-2.34	119.90	124.52
14	Y	807	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	Z	834	CLA	CHC-C1C-C2C	-2.34	120.30	126.95
14	B	819	CLA	C4C-C3C-C2C	-2.34	103.49	106.89
14	Y	843	CLA	CHC-C1C-C2C	-2.34	120.30	126.95
14	H	832	CLA	OBD-CAD-C3D	-2.34	122.95	128.42
14	L	201	CLA	CMA-C3A-C4A	2.34	118.06	111.77
14	G	825	CLA	C1-C2-C3	-2.34	122.37	126.20
14	Y	808	CLA	CHB-C4A-NA	2.34	127.77	124.40
14	B	811	CLA	CHC-C1C-C2C	-2.34	120.31	126.95
14	B	816	CLA	CHC-C1C-C2C	-2.34	120.31	126.95
14	Z	805	CLA	CMB-C2B-C1B	2.34	128.98	125.42
14	h	206	CLA	O2A-C1-C2	2.34	117.10	108.11
17	Q	204	BCR	C36-C18-C19	-2.34	114.52	118.09
14	G	816	CLA	OBD-CAD-C3D	-2.34	122.96	128.42
14	H	803	CLA	CAA-C2A-C3A	-2.33	106.69	113.00
13	Y	801	CL0	C4-C3-C5	2.33	119.28	115.23
14	B	808	CLA	CHC-C1C-C2C	-2.33	120.31	126.95
14	Y	839	CLA	O1D-CGD-CBD	-2.33	119.91	124.52
14	Y	809	CLA	CHB-C1B-C2B	-2.33	120.65	127.43
17	Y	850	BCR	C23-C22-C21	2.33	122.68	119.01
14	Z	820	CLA	CHC-C1C-C2C	-2.33	120.32	126.95
14	B	818	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	B	818	CLA	C3C-C4C-NC	2.33	113.42	110.43
14	G	811	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	Z	829	CLA	C4C-C3C-C2C	-2.33	103.50	106.89
14	B	833	CLA	CHC-C1C-C2C	-2.33	120.32	126.95
14	L	207	CLA	CHB-C4A-NA	2.33	127.77	124.40
14	A	812	CLA	C3C-C4C-NC	2.33	113.42	110.43
14	Y	803	CLA	CMB-C2B-C1B	2.33	128.97	125.42
14	G	837	CLA	C4D-C3D-CAD	2.33	110.64	108.11
14	A	834	CLA	CMB-C2B-C1B	2.33	128.97	125.42
14	A	806	CLA	CHB-C1B-C2B	-2.33	120.66	127.43
14	Z	803	CLA	CHC-C1C-C2C	-2.33	120.33	126.95
17	G	848	BCR	C37-C22-C21	-2.33	119.04	122.82
14	Z	821	CLA	C4-C3-C2	-2.33	117.65	123.63
14	B	829	CLA	CMC-C2C-C1C	2.33	128.67	125.03
17	A	847	BCR	C37-C22-C23	2.33	121.64	118.09
17	L	209	BCR	C34-C9-C8	2.33	121.64	118.09
14	Y	813	CLA	C4D-C3D-CAD	2.33	110.63	108.11
14	Z	811	CLA	CAC-C3C-C4C	2.33	127.82	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	824	CLA	C4C-C3C-C2C	-2.33	103.50	106.89
14	h	206	CLA	CAC-C3C-C2C	2.33	131.83	127.56
17	A	848	BCR	C38-C26-C27	2.33	118.56	113.60
17	J	104	BCR	C7-C6-C5	-2.33	116.20	121.56
14	K	103	CLA	C3C-C4C-NC	2.33	113.41	110.43
14	Z	817	CLA	CHB-C1B-C2B	-2.33	120.67	127.43
14	J	102	CLA	CED-O2D-CGD	2.33	121.19	115.92
14	Y	834	CLA	C3B-C4B-NB	-2.33	108.45	110.53
17	B	848	BCR	C8-C7-C6	-2.33	120.79	127.00
14	L	205	CLA	CHB-C1B-C2B	-2.33	120.68	127.43
14	Z	825	CLA	C4C-C3C-C2C	-2.33	103.51	106.89
14	G	840	CLA	CED-O2D-CGD	2.32	121.19	115.92
14	Y	843	CLA	CMB-C2B-C3B	2.32	132.02	126.55
14	G	805	CLA	C4D-C3D-CAD	2.32	110.63	108.11
14	B	840	CLA	O2A-CGA-CBA	2.32	118.92	111.83
14	G	843	CLA	CMC-C2C-C1C	2.32	128.66	125.03
14	G	817	CLA	CHD-C1D-ND	-2.32	121.53	124.80
17	Q	202	BCR	C1-C6-C5	-2.32	119.46	122.64
14	A	822	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
14	G	805	CLA	C6-C5-C3	-2.32	107.81	113.47
14	B	822	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	Y	824	CLA	O1D-CGD-CBD	-2.32	119.94	124.52
14	G	826	CLA	CHC-C1C-C2C	-2.32	120.35	126.95
14	Z	829	CLA	CHC-C1C-C2C	-2.32	120.35	126.95
14	h	205	CLA	C3C-C4C-NC	2.32	113.40	110.43
17	B	844	BCR	C24-C25-C26	2.32	126.90	121.56
14	Z	806	CLA	CHC-C1C-C2C	-2.32	120.35	126.95
15	G	844	PQN	C2M-C2-C1	2.32	120.95	116.68
14	g	101	CLA	OBD-CAD-C3D	-2.32	124.82	128.60
14	A	829	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
13	A	801	CL0	C3C-C4C-NC	2.32	113.40	110.43
17	h	203	BCR	C39-C30-C25	2.32	113.88	110.24
14	Q	201	CLA	CMD-C2D-C3D	-2.32	122.37	127.69
14	G	829	CLA	C11-C10-C8	-2.32	108.25	115.97
14	Z	824	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	Z	827	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
14	A	802	CLA	CHB-C1B-C2B	-2.32	120.69	127.43
14	Y	854	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	Y	803	CLA	CMA-C3A-C4A	2.32	118.00	111.77
17	Z	843	BCR	C23-C22-C21	-2.32	115.36	119.01
17	Z	845	BCR	C8-C9-C10	2.32	122.65	119.01
14	J	101	CLA	CMC-C2C-C1C	2.32	128.65	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	843	CLA	CBB-CAB-C3B	-2.32	115.95	127.53
14	H	817	CLA	CHB-C1B-C2B	-2.32	120.70	127.43
17	B	844	BCR	C8-C7-C6	-2.32	120.81	127.00
14	B	841	CLA	CMD-C2D-C3D	-2.32	122.38	127.69
14	L	202	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	B	828	CLA	C3C-C4C-NC	2.32	113.40	110.43
17	M	101	BCR	C38-C26-C25	-2.31	121.96	124.48
17	J	103	BCR	C24-C25-C26	2.31	126.89	121.56
17	K	102	BCR	C27-C26-C25	-2.31	119.58	122.70
14	G	838	CLA	CMB-C2B-C3B	2.31	131.99	126.55
14	G	840	CLA	C1-O2A-CGA	2.31	122.25	116.65
14	Y	828	CLA	C5-C3-C2	-2.31	115.97	121.17
14	Z	812	CLA	C1-O2A-CGA	2.31	122.25	116.65
14	Y	831	CLA	C3D-C4D-ND	2.31	113.75	109.99
14	Y	843	CLA	CAC-C3C-C4C	2.31	127.80	124.79
17	T	102	BCR	C12-C13-C14	2.31	122.65	119.01
14	Z	839	CLA	CMC-C2C-C1C	2.31	128.65	125.03
14	Z	832	CLA	CMB-C2B-C3B	2.31	131.99	126.55
17	J	103	BCR	C31-C1-C6	-2.31	106.62	110.24
14	Z	814	CLA	CHC-C1C-C2C	-2.31	120.38	126.95
14	H	817	CLA	CMB-C2B-C3B	2.31	131.99	126.55
14	G	843	CLA	C1-O2A-CGA	2.31	122.24	116.65
14	V	1201	CLA	CMA-C3A-C4A	2.31	117.98	111.77
18	Y	853	LHG	O7-C7-O9	-2.31	118.53	122.99
14	Y	833	CLA	C16-C15-C13	-2.31	108.29	115.97
14	G	828	CLA	CHD-C4C-C3C	-2.31	121.41	124.77
14	B	841	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
17	f	103	BCR	C4-C5-C6	-2.31	119.58	122.70
15	B	842	PQN	C16-C15-C13	-2.31	107.84	113.47
17	R	101	BCR	C33-C5-C6	-2.31	121.97	124.48
14	F	202	CLA	CMB-C2B-C3B	2.31	131.98	126.55
14	G	842	CLA	CHC-C1C-C2C	-2.31	120.39	126.95
14	A	814	CLA	C1-O2A-CGA	2.31	122.24	116.65
14	G	841	CLA	CHC-C1C-C2C	-2.31	120.39	126.95
14	H	827	CLA	O1D-CGD-CBD	-2.31	119.97	124.52
14	Y	830	CLA	CED-O2D-CGD	2.31	121.15	115.92
14	B	815	CLA	CMD-C2D-C3D	-2.31	122.40	127.69
14	H	811	CLA	O2D-CGD-O1D	-2.31	119.36	123.85
17	T	102	BCR	C27-C26-C25	-2.31	119.59	122.70
14	B	815	CLA	CMC-C2C-C1C	2.31	128.64	125.03
14	Y	836	CLA	CED-O2D-CGD	2.31	121.15	115.92
14	g	101	CLA	CMD-C2D-C3D	-2.31	122.40	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	838	CLA	C2B-C1B-NB	2.31	112.72	110.33
14	Y	830	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	A	840	CLA	CAC-C3C-C4C	2.31	127.79	124.79
14	Z	818	CLA	CMB-C2B-C3B	2.30	131.97	126.55
14	L	206	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
15	H	839	PQN	C2M-C2-C1	2.30	120.92	116.68
17	d	203	BCR	C29-C28-C27	-2.30	106.21	111.28
14	B	827	CLA	CMA-C3A-C4A	2.30	117.97	111.77
14	H	834	CLA	CMA-C3A-C4A	2.30	117.97	111.77
14	G	829	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
14	H	813	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	Y	805	CLA	C6-C5-C3	-2.30	107.86	113.47
14	B	807	CLA	CBC-CAC-C3C	-2.30	106.18	112.42
14	A	852	CLA	CHC-C1C-C2C	-2.30	120.41	126.95
14	B	804	CLA	CHC-C1C-C2C	-2.30	120.41	126.95
14	H	813	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
17	f	105	BCR	C7-C8-C9	-2.30	122.83	126.23
14	S	1103	CLA	C1-O2A-CGA	2.30	122.22	116.65
14	A	831	CLA	CMB-C2B-C3B	2.30	131.96	126.55
14	A	835	CLA	CBB-CAB-C3B	-2.30	116.03	127.53
14	Z	804	CLA	O2D-CGD-O1D	-2.30	119.37	123.85
17	e	101	BCR	C15-C14-C13	-2.30	124.05	127.28
14	H	828	CLA	CED-O2D-CGD	2.30	121.13	115.92
17	B	847	BCR	C1-C6-C7	2.30	121.89	115.65
17	Y	851	BCR	C1-C6-C5	-2.30	119.49	122.64
14	H	820	CLA	O1D-CGD-CBD	-2.30	119.98	124.52
14	Y	817	CLA	O2D-CGD-O1D	-2.30	119.37	123.85
17	Y	850	BCR	C38-C26-C25	-2.30	121.97	124.48
14	d	202	CLA	C3C-C4C-NC	2.30	113.38	110.43
14	Z	838	CLA	C2B-C1B-NB	2.30	112.71	110.33
14	A	803	CLA	CMB-C2B-C3B	2.30	131.96	126.55
14	G	810	CLA	CMB-C2B-C3B	2.30	131.96	126.55
14	H	823	CLA	C2B-C1B-NB	2.30	112.71	110.33
14	B	836	CLA	C3C-C4C-NC	2.30	113.37	110.43
14	B	823	CLA	C4-C3-C2	-2.30	117.73	123.63
14	A	812	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	F	202	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
14	Z	813	CLA	O2D-CGD-O1D	-2.30	119.38	123.85
17	G	850	BCR	C30-C25-C24	2.30	121.88	115.65
14	Z	815	CLA	CHB-C1B-C2B	-2.30	120.76	127.43
14	G	831	CLA	C3C-C4C-NC	2.30	113.37	110.43
14	B	814	CLA	CMC-C2C-C1C	2.30	128.62	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	807	CLA	CHC-C1C-C2C	-2.30	120.42	126.95
14	Y	854	CLA	CHB-C4A-NA	2.30	127.71	124.40
14	Z	836	CLA	CHC-C1C-C2C	-2.29	120.43	126.95
14	S	1102	CLA	CMB-C2B-C1B	2.29	128.91	125.42
14	Y	834	CLA	CHD-C1D-ND	-2.29	121.57	124.80
14	B	804	CLA	C6-C5-C3	-2.29	107.88	113.47
17	Z	841	BCR	C37-C22-C21	-2.29	119.10	122.82
14	H	832	CLA	CHA-C4D-ND	2.29	137.28	132.55
14	Z	810	CLA	C4D-C3D-CAD	2.29	110.60	108.11
14	G	843	CLA	CMB-C2B-C1B	2.29	128.91	125.42
17	R	101	BCR	C24-C25-C26	2.29	126.84	121.56
14	Z	802	CLA	CAA-C2A-C3A	-2.29	106.80	113.00
14	Z	824	CLA	CMC-C2C-C1C	2.29	128.62	125.03
14	A	836	CLA	CHC-C1C-C2C	-2.29	120.43	126.95
14	Y	831	CLA	O1D-CGD-CBD	-2.29	120.00	124.52
14	G	832	CLA	C16-C15-C13	-2.29	108.35	115.97
14	Z	803	CLA	CHB-C1B-C2B	-2.29	120.78	127.43
14	G	809	CLA	CBC-CAC-C3C	-2.29	106.21	112.42
14	A	811	CLA	CMB-C2B-C1B	2.29	128.91	125.42
14	Y	807	CLA	C4-C3-C5	2.29	118.82	116.13
14	G	803	CLA	CMA-C3A-C4A	2.29	117.93	111.77
14	Y	836	CLA	CHB-C1B-C2B	-2.29	120.78	127.43
14	G	810	CLA	CHD-C4C-C3C	-2.29	121.44	124.77
14	B	830	CLA	CMC-C2C-C1C	2.29	128.61	125.03
14	Y	838	CLA	CMD-C2D-C3D	-2.29	122.44	127.69
14	H	804	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	Z	804	CLA	CHB-C1B-C2B	-2.29	120.78	127.43
17	A	849	BCR	C30-C25-C24	2.29	121.86	115.65
14	A	802	CLA	C4D-C3D-CAD	2.29	110.59	108.11
17	S	1104	BCR	C39-C30-C25	-2.29	106.66	110.24
14	G	807	CLA	C1-O2A-CGA	2.29	122.19	116.65
14	Z	804	CLA	C1-O2A-CGA	2.29	122.19	116.65
13	G	801	CL0	C4-C3-C2	-2.29	117.75	123.63
14	H	830	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	B	826	CLA	C3D-C4D-ND	2.29	113.70	109.99
17	h	203	BCR	C8-C7-C6	-2.29	120.89	127.00
14	Y	816	CLA	C3C-C4C-NC	2.29	113.36	110.43
14	Y	810	CLA	CHC-C1C-C2C	-2.29	120.45	126.95
17	F	203	BCR	C28-C27-C26	-2.29	109.98	114.06
17	F	201	BCR	C39-C30-C25	-2.28	106.66	110.24
14	d	202	CLA	CHC-C1C-C2C	-2.28	120.45	126.95
14	Y	811	CLA	C4D-C3D-CAD	2.28	110.59	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	G	851	LHG	C5-O7-C7	-2.28	112.33	117.80
14	A	835	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
14	S	1102	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	B	803	CLA	CBC-CAC-C3C	-2.28	106.23	112.42
17	Y	847	BCR	C32-C1-C6	-2.28	106.66	110.24
14	H	802	CLA	CHC-C1C-C2C	-2.28	120.46	126.95
17	B	845	BCR	C29-C30-C25	2.28	113.75	110.44
14	G	839	CLA	O2D-CGD-O1D	-2.28	119.41	123.85
17	B	845	BCR	C7-C8-C9	-2.28	122.86	126.23
14	Z	822	CLA	CMB-C2B-C3B	2.28	131.92	126.55
14	H	816	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
14	H	814	CLA	C1D-CHD-C4C	-2.28	121.17	126.02
17	H	848	BCR	C2-C1-C6	2.28	113.75	110.44
14	B	809	CLA	C4-C3-C5	2.28	119.19	115.23
14	Y	827	CLA	C3D-C4D-ND	2.28	113.69	109.99
14	A	821	CLA	C1-O2A-CGA	2.28	122.17	116.65
14	A	839	CLA	CED-O2D-CGD	2.28	121.09	115.92
14	G	827	CLA	CHB-C1B-C2B	-2.28	120.81	127.43
14	Y	836	CLA	OBD-CAD-C3D	-2.28	123.09	128.42
14	B	818	CLA	C1-C2-C3	-2.28	122.46	126.20
14	G	837	CLA	C1-O2A-CGA	2.28	122.17	116.65
14	Y	815	CLA	C3C-C4C-NC	2.28	113.35	110.43
14	h	207	CLA	C3C-C4C-NC	2.28	113.35	110.43
14	Y	854	CLA	CMA-C3A-C4A	2.28	117.90	111.77
14	A	836	CLA	CHB-C1B-C2B	-2.28	120.81	127.43
14	B	825	CLA	CED-O2D-CGD	2.28	121.08	115.92
14	H	820	CLA	CHB-C4A-NA	2.28	127.69	124.40
14	H	808	CLA	CMD-C2D-C3D	-2.28	122.47	127.69
17	H	848	BCR	C33-C5-C6	-2.28	122.00	124.48
17	A	849	BCR	C39-C30-C25	-2.28	106.67	110.24
14	B	836	CLA	CBB-CAB-C3B	-2.28	116.15	127.53
17	H	842	BCR	C12-C13-C14	2.28	122.59	119.01
14	B	826	CLA	CHA-C1A-NA	-2.28	121.24	126.39
14	H	834	CLA	C1D-CHD-C4C	-2.28	121.18	126.02
14	A	834	CLA	O2D-CGD-O1D	-2.28	119.42	123.85
14	B	827	CLA	O2D-CGD-O1D	-2.28	119.42	123.85
14	G	853	CLA	OBD-CAD-C3D	-2.28	123.10	128.42
17	Z	843	BCR	C30-C25-C26	-2.27	119.53	122.64
14	G	830	CLA	O2D-CGD-O1D	-2.27	119.42	123.85
14	A	802	CLA	CAA-C2A-C3A	-2.27	106.85	113.00
14	j	102	CLA	CMC-C2C-C1C	2.27	128.59	125.03
14	A	816	CLA	CED-O2D-CGD	2.27	121.07	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	817	CLA	CHA-C1A-NA	-2.27	121.24	126.39
14	Z	805	CLA	CAC-C3C-C4C	2.27	127.75	124.79
17	J	104	BCR	C37-C22-C23	2.27	121.56	118.09
14	A	813	CLA	CMC-C2C-C3C	2.27	132.29	126.15
14	Y	817	CLA	C4D-C3D-CAD	2.27	110.57	108.11
14	A	811	CLA	C2B-C1B-NB	2.27	112.68	110.33
14	L	201	CLA	C4C-C3C-C2C	-2.27	103.58	106.89
14	Y	812	CLA	C3C-C4C-NC	2.27	113.34	110.43
17	M	101	BCR	C8-C9-C10	-2.27	115.44	119.01
14	G	830	CLA	OBD-CAD-C3D	-2.27	123.11	128.42
17	B	846	BCR	C27-C26-C25	-2.27	119.64	122.70
14	B	838	CLA	C2B-C1B-NB	2.27	112.68	110.33
14	A	836	CLA	CED-O2D-CGD	2.27	121.07	115.92
14	Z	831	CLA	CAA-CBA-CGA	-2.27	106.76	113.21
14	Y	838	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	B	823	CLA	CAC-C3C-C4C	2.27	127.74	124.79
14	H	830	CLA	CMA-C3A-C4A	2.27	117.87	111.77
14	B	827	CLA	CED-O2D-CGD	2.27	121.06	115.92
14	G	834	CLA	OBD-CAD-C3D	-2.27	123.11	128.42
14	B	833	CLA	C3C-C4C-NC	2.27	113.34	110.43
14	B	809	CLA	CMC-C2C-C1C	2.27	128.58	125.03
14	J	101	CLA	CBB-CAB-C3B	-2.27	116.19	127.53
14	G	813	CLA	O2A-C1-C2	2.27	116.84	108.11
14	H	819	CLA	CHD-C4C-C3C	-2.27	121.47	124.77
14	G	828	CLA	CAC-C3C-C4C	2.27	127.74	124.79
14	Z	824	CLA	CHC-C1C-C2C	-2.27	120.50	126.95
14	A	802	CLA	C7-C6-C5	-2.27	107.22	113.26
14	G	813	CLA	C3C-C4C-NC	2.27	113.33	110.43
14	G	835	CLA	CAC-C3C-C4C	2.27	127.74	124.79
14	Z	802	CLA	CMB-C2B-C3B	2.27	131.88	126.55
14	A	833	CLA	CHB-C1B-C2B	-2.27	120.84	127.43
14	G	811	CLA	CHC-C1C-C2C	-2.27	120.51	126.95
17	U	1007	BCR	C40-C30-C25	-2.27	106.69	110.24
14	G	843	CLA	CMA-C3A-C4A	2.27	117.86	111.77
14	Y	838	CLA	C3C-C4C-NC	2.27	113.33	110.43
14	A	832	CLA	C2B-C1B-NB	2.27	112.68	110.33
14	G	805	CLA	OBD-CAD-C3D	-2.27	123.12	128.42
14	G	827	CLA	CHD-C1D-ND	-2.27	121.61	124.80
14	G	826	CLA	CMC-C2C-C1C	2.27	128.57	125.03
14	H	821	CLA	CMC-C2C-C1C	2.27	128.57	125.03
14	Y	828	CLA	CHB-C4A-NA	2.27	127.67	124.40
14	B	830	CLA	C2B-C1B-NB	2.27	112.67	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	j	101	LHG	O7-C7-O9	-2.26	118.41	123.70
14	A	809	CLA	C11-C12-C13	-2.26	108.44	115.97
14	Y	828	CLA	OBD-CAD-C3D	-2.26	123.12	128.42
14	Z	831	CLA	OBD-CAD-C3D	-2.26	123.12	128.42
14	G	818	CLA	O1D-CGD-CBD	-2.26	120.05	124.52
14	B	831	CLA	C1D-CHD-C4C	-2.26	121.21	126.02
14	L	201	CLA	CAA-C2A-C3A	-2.26	106.88	113.00
14	L	206	CLA	CAA-CBA-CGA	2.26	119.64	113.21
14	U	1002	CLA	CMA-C3A-C4A	2.26	117.86	111.77
14	A	815	CLA	O1D-CGD-CBD	-2.26	120.05	124.52
14	Y	819	CLA	O1D-CGD-CBD	-2.26	120.05	124.52
14	G	823	CLA	CBC-CAC-C3C	-2.26	106.28	112.42
14	H	836	CLA	CHD-C4C-C3C	-2.26	121.47	124.77
17	h	203	BCR	C35-C13-C12	2.26	121.55	118.09
14	H	822	CLA	CHC-C1C-C2C	-2.26	120.52	126.95
14	Y	855	CLA	CHC-C1C-C2C	-2.26	120.52	126.95
14	B	825	CLA	O1D-CGD-CBD	-2.26	120.06	124.52
14	H	831	CLA	CMB-C2B-C3B	2.26	131.87	126.55
14	Y	816	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	B	801	CLA	O2A-C1-C2	2.26	116.81	108.11
14	f	102	CLA	C3C-C4C-NC	2.26	113.33	110.43
14	B	827	CLA	C3D-C4D-ND	2.26	113.66	109.99
14	Y	823	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
14	H	809	CLA	CED-O2D-CGD	2.26	121.04	115.92
14	K	103	CLA	CMD-C2D-C3D	-2.26	122.51	127.69
14	Z	817	CLA	CMD-C2D-C3D	-2.26	122.51	127.69
17	J	103	BCR	C1-C6-C7	2.26	121.78	115.65
14	Z	805	CLA	CBC-CAC-C3C	-2.26	106.30	112.42
14	Z	838	CLA	CMC-C2C-C1C	2.26	128.56	125.03
14	Y	836	CLA	C1D-CHD-C4C	-2.26	121.22	126.02
14	Y	827	CLA	CHD-C4C-C3C	-2.26	121.48	124.77
14	Y	817	CLA	CED-O2D-CGD	2.26	121.04	115.92
14	A	827	CLA	CBB-CAB-C3B	-2.26	116.25	127.53
14	B	834	CLA	OBD-CAD-C3D	-2.26	123.14	128.42
14	Y	808	CLA	O1D-CGD-CBD	-2.26	120.07	124.52
14	B	838	CLA	C1D-CHD-C4C	-2.26	121.22	126.02
14	A	817	CLA	CHC-C1C-C2C	-2.25	120.54	126.95
14	A	806	CLA	CED-O2D-CGD	2.25	121.03	115.92
14	B	834	CLA	CAA-C2A-C3A	-2.25	106.91	113.00
14	G	818	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	Y	816	CLA	CHC-C1C-C2C	-2.25	120.54	126.95
14	G	809	CLA	C16-C15-C13	-2.25	108.47	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	833	CLA	OBD-CAD-C3D	-2.25	123.15	128.42
14	Y	814	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	G	834	CLA	CHB-C1B-C2B	-2.25	120.88	127.43
14	B	811	CLA	CED-O2D-CGD	2.25	121.03	115.92
17	G	846	BCR	C36-C18-C19	-2.25	114.65	118.09
14	Y	809	CLA	C1-O2A-CGA	2.25	122.10	116.65
14	Z	815	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	Y	842	CLA	C6-C5-C3	-2.25	107.98	113.47
14	A	832	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	B	803	CLA	CMD-C2D-C3D	-2.25	122.52	127.69
14	B	810	CLA	CHA-C1A-NA	-2.25	121.29	126.39
14	Z	822	CLA	CHB-C4A-NA	2.25	127.65	124.40
14	H	814	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	h	201	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	U	1006	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	H	820	CLA	CGD-CBD-CAD	-2.25	103.56	110.85
14	G	810	CLA	C4C-C3C-C2C	-2.25	103.62	106.89
14	A	841	CLA	CED-O2D-CGD	2.25	121.02	115.92
14	H	835	CLA	CED-O2D-CGD	2.25	121.02	115.92
14	Z	822	CLA	CHD-C1D-ND	-2.25	121.64	124.80
14	B	837	CLA	C4C-C3C-C2C	-2.25	103.62	106.89
17	Q	202	BCR	C15-C14-C13	-2.25	124.12	127.28
14	A	816	CLA	CMC-C2C-C1C	2.25	128.55	125.03
14	Y	826	CLA	CHB-C4A-NA	2.25	127.64	124.40
14	A	809	CLA	CMA-C3A-C4A	2.25	117.81	111.77
14	H	811	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
14	Z	816	CLA	CMC-C2C-C1C	2.25	128.55	125.03
14	Y	811	CLA	O2D-CGD-O1D	-2.25	119.47	123.85
14	B	836	CLA	CHC-C4B-NB	2.25	127.42	124.05
14	Z	834	CLA	CED-O2D-CGD	2.25	121.01	115.92
17	L	208	BCR	C33-C5-C4	2.25	118.39	113.60
14	G	832	CLA	CMA-C3A-C4A	2.25	117.81	111.77
14	G	821	CLA	CHB-C1B-C2B	-2.25	120.91	127.43
14	Y	837	CLA	CED-O2D-CGD	2.25	121.01	115.92
14	B	817	CLA	C4D-C3D-CAD	2.25	110.55	108.11
14	H	837	CLA	C4D-C3D-CAD	2.25	110.55	108.11
14	B	815	CLA	O2D-CGD-O1D	-2.25	119.48	123.85
14	A	833	CLA	CBB-CAB-C3B	-2.25	116.31	127.53
14	Z	838	CLA	CAC-C3C-C4C	2.25	127.71	124.79
14	Y	840	CLA	CHB-C4A-NA	2.25	127.64	124.40
14	L	202	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
14	Z	828	CLA	CHC-C1C-C2C	-2.24	120.57	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	205	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
14	H	802	CLA	CED-O2D-CGD	2.24	121.00	115.92
14	B	811	CLA	C4-C3-C2	-2.24	117.86	123.63
14	G	836	CLA	CMA-C3A-C4A	2.24	117.80	111.77
14	B	827	CLA	CMB-C2B-C1B	2.24	128.83	125.42
14	G	832	CLA	CAA-C2A-C3A	-2.24	106.94	113.00
14	A	840	CLA	CMC-C2C-C1C	2.24	128.54	125.03
14	G	840	CLA	O2D-CGD-O1D	-2.24	119.48	123.85
17	Y	851	BCR	C30-C25-C24	2.24	121.73	115.65
14	j	102	CLA	O2D-CGD-CBD	2.24	115.15	111.23
14	H	834	CLA	CHC-C1C-C2C	-2.24	120.58	126.95
14	Y	814	CLA	C4D-C3D-CAD	2.24	110.54	108.11
14	B	809	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
17	L	208	BCR	C38-C26-C25	-2.24	122.04	124.48
15	A	843	PQN	C11-C12-C13	-2.24	122.97	126.83
14	Z	817	CLA	CMA-C3A-C4A	2.24	117.80	111.77
17	Y	849	BCR	C38-C26-C27	2.24	118.37	113.60
14	H	804	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	g	102	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	A	834	CLA	CHB-C1B-C2B	-2.24	120.92	127.43
14	B	825	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	G	809	CLA	CHC-C1C-C2C	-2.24	120.58	126.95
14	Z	803	CLA	CHD-C1D-ND	-2.24	121.65	124.80
14	Y	840	CLA	CHC-C1C-C2C	-2.24	120.59	126.95
14	H	827	CLA	CBB-CAB-C3B	-2.24	116.34	127.53
14	G	839	CLA	CMB-C2B-C1B	2.24	128.83	125.42
14	L	201	CLA	CHD-C1D-ND	-2.24	121.65	124.80
14	A	810	CLA	CMA-C3A-C4A	2.24	117.79	111.77
14	H	807	CLA	C2B-C1B-NB	2.24	112.65	110.33
17	B	844	BCR	C30-C25-C26	-2.24	119.58	122.64
14	B	802	CLA	CAC-C3C-C4C	2.24	127.70	124.79
14	Z	818	CLA	CHB-C1B-C2B	-2.24	120.93	127.43
14	A	829	CLA	C4D-C3D-CAD	2.24	110.53	108.11
17	A	849	BCR	C3-C4-C5	-2.24	110.07	114.06
14	B	808	CLA	CAC-C3C-C4C	2.24	127.70	124.79
14	Y	831	CLA	CAA-C2A-C3A	-2.24	106.96	113.00
17	f	104	BCR	C12-C13-C14	2.24	122.53	119.01
14	Z	817	CLA	CHC-C1C-C2C	-2.24	120.60	126.95
14	Z	839	CLA	C14-C13-C12	2.23	119.24	111.27
14	X	1701	CLA	CMB-C2B-C1B	2.23	128.82	125.42
14	Z	814	CLA	CGD-CBD-CAD	-2.23	103.61	110.85
14	H	822	CLA	OBD-CAD-C3D	-2.23	123.19	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	812	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
17	A	847	BCR	C28-C27-C26	-2.23	110.07	114.06
15	A	843	PQN	C11-C3-C2	-2.23	121.06	124.89
14	G	839	CLA	CAA-C2A-C3A	-2.23	106.96	113.00
14	B	817	CLA	C4D-CHA-C1A	2.23	123.91	121.24
14	Z	810	CLA	CHC-C1C-C2C	-2.23	120.60	126.95
17	L	208	BCR	C4-C5-C6	-2.23	119.69	122.70
14	Y	814	CLA	CMB-C2B-C1B	2.23	128.82	125.42
14	A	842	CLA	CHD-C4C-C3C	-2.23	121.52	124.77
17	H	844	BCR	C39-C30-C25	-2.23	106.74	110.24
14	H	806	CLA	CBB-CAB-C3B	-2.23	116.38	127.53
14	F	202	CLA	CHA-C1A-NA	-2.23	121.34	126.39
14	V	1201	CLA	O2A-C1-C2	2.23	116.69	108.11
17	B	848	BCR	C33-C5-C4	2.23	118.35	113.60
14	H	834	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	G	829	CLA	C4D-C3D-CAD	2.23	110.53	108.11
14	A	824	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
14	Y	804	CLA	OBD-CAD-C3D	-2.23	123.20	128.42
14	B	833	CLA	CED-O2D-CGD	2.23	120.97	115.92
14	S	1103	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	H	814	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
14	H	818	CLA	CHC-C1C-C2C	-2.23	120.61	126.95
14	F	202	CLA	C3C-C4C-NC	2.23	113.28	110.43
14	Z	820	CLA	C3C-C4C-NC	2.23	113.28	110.43
14	Z	822	CLA	C4C-C3C-C2C	-2.23	103.65	106.89
14	A	810	CLA	CED-O2D-CGD	2.23	120.97	115.92
14	Y	804	CLA	CED-O2D-CGD	2.23	120.97	115.92
14	B	819	CLA	CHB-C1B-C2B	-2.23	120.96	127.43
14	Z	824	CLA	C3C-C4C-NC	2.23	113.28	110.43
17	A	849	BCR	C29-C28-C27	-2.23	106.38	111.28
14	B	824	CLA	C1D-CHD-C4C	-2.23	121.28	126.02
14	A	802	CLA	C11-C12-C13	-2.23	108.56	115.97
14	G	826	CLA	C5-C3-C2	-2.23	116.17	121.17
14	B	813	CLA	C3C-C4C-NC	2.23	113.28	110.43
17	f	105	BCR	C33-C5-C6	-2.22	122.06	124.48
14	Y	802	CLA	O2D-CGD-O1D	-2.22	119.52	123.85
14	A	835	CLA	CED-O2D-CGD	2.22	120.96	115.92
14	A	818	CLA	C4-C3-C5	2.22	119.09	115.23
14	G	842	CLA	C1D-CHD-C4C	-2.22	121.29	126.02
14	W	1701	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	H	812	CLA	CMD-C2D-C3D	-2.22	122.59	127.69
14	A	841	CLA	C4D-C3D-CAD	2.22	110.52	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	830	CLA	CMC-C2C-C1C	2.22	128.51	125.03
14	A	821	CLA	CHB-C1B-C2B	-2.22	120.97	127.43
14	T	101	CLA	CMC-C2C-C1C	2.22	128.51	125.03
14	A	834	CLA	OBD-CAD-C3D	-2.22	123.22	128.42
17	A	849	BCR	C24-C25-C26	-2.22	116.44	121.56
17	B	844	BCR	C1-C6-C5	-2.22	119.60	122.64
14	H	815	CLA	C4-C3-C5	2.22	119.08	115.23
14	B	819	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	S	1101	CLA	CMB-C2B-C3B	2.22	131.78	126.55
14	A	827	CLA	CHB-C1B-C2B	-2.22	120.98	127.43
17	f	105	BCR	C31-C1-C6	-2.22	106.76	110.24
14	Z	838	CLA	CHD-C4C-C3C	-2.22	121.54	124.77
14	Z	831	CLA	C1D-CHD-C4C	-2.22	121.30	126.02
14	G	833	CLA	C3C-C4C-NC	2.22	113.27	110.43
17	Y	849	BCR	C1-C6-C5	-2.22	119.60	122.64
14	Y	803	CLA	CMC-C2C-C1C	2.22	128.50	125.03
14	Y	834	CLA	C2A-C3A-C4A	-2.22	98.28	101.87
17	G	847	BCR	C3-C4-C5	-2.22	110.10	114.06
14	G	809	CLA	C1-C2-C3	-2.22	122.56	126.20
14	B	824	CLA	C4C-C3C-C2C	-2.22	103.66	106.89
17	V	1202	BCR	C2-C3-C4	-2.22	106.40	111.28
14	G	815	CLA	CHB-C1B-C2B	-2.22	120.98	127.43
14	H	837	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	f	101	CLA	C4C-C3C-C2C	-2.22	103.66	106.89
14	H	803	CLA	O2A-C1-C2	2.22	116.65	108.11
14	A	810	CLA	CHC-C1C-C2C	-2.22	120.64	126.95
14	Y	832	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
14	G	803	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	G	837	CLA	CHC-C1C-C2C	-2.22	120.64	126.95
14	G	817	CLA	CHB-C1B-C2B	-2.22	120.99	127.43
14	Y	821	CLA	CMA-C3A-C4A	2.22	117.73	111.77
14	Z	822	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
14	H	837	CLA	C4C-C3C-C2C	-2.22	103.66	106.89
14	H	816	CLA	C3A-C2A-C1A	2.22	104.66	101.34
17	Y	848	BCR	C32-C1-C6	2.22	113.72	110.24
14	Y	806	CLA	C1D-CHD-C4C	-2.22	121.31	126.02
14	A	826	CLA	CHB-C1B-C2B	-2.22	120.99	127.43
14	G	808	CLA	CBC-CAC-C3C	-2.22	106.41	112.42
14	Z	809	CLA	C4D-C3D-CAD	2.22	110.51	108.11
17	I	101	BCR	C37-C22-C21	-2.22	119.23	122.82
14	B	803	CLA	C1D-CHD-C4C	-2.22	121.31	126.02
14	Y	828	CLA	O2A-C1-C2	2.22	116.63	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	802	CLA	O2A-C1-C2	2.22	116.63	108.11
14	A	817	CLA	C4-C3-C2	-2.22	117.94	123.63
14	G	839	CLA	C5-C3-C2	-2.22	116.19	121.17
15	Z	840	PQN	C16-C15-C13	-2.21	108.07	113.47
14	Y	827	CLA	CMD-C2D-C3D	-2.21	122.61	127.69
14	Z	809	CLA	CHC-C1C-C2C	-2.21	120.66	126.95
14	G	803	CLA	C6-C5-C3	-2.21	108.08	113.47
14	T	101	CLA	CMA-C3A-C4A	2.21	117.72	111.77
14	Y	812	CLA	C4-C3-C2	-2.21	117.94	123.63
14	H	825	CLA	CHC-C1C-C2C	-2.21	120.66	126.95
14	Y	823	CLA	CHC-C1C-C2C	-2.21	120.66	126.95
14	Y	805	CLA	C1-O2A-CGA	2.21	122.01	116.65
14	G	802	CLA	CHB-C1B-C2B	-2.21	121.00	127.43
14	d	201	CLA	CED-O2D-CGD	2.21	120.93	115.92
14	Y	817	CLA	CMD-C2D-C3D	-2.21	122.62	127.69
14	H	816	CLA	O1D-CGD-CBD	-2.21	120.16	124.52
14	G	806	CLA	C1D-CHD-C4C	-2.21	121.32	126.02
14	Y	854	CLA	CHD-C1D-ND	-2.21	121.69	124.80
14	A	804	CLA	CHD-C4C-C3C	-2.21	121.55	124.77
14	Y	837	CLA	CMB-C2B-C3B	2.21	131.75	126.55
14	B	821	CLA	CHC-C1C-C2C	-2.21	120.67	126.95
14	B	804	CLA	CHB-C1B-C2B	-2.21	121.01	127.43
14	Y	821	CLA	CHB-C1B-C2B	-2.21	121.01	127.43
14	H	824	CLA	CMB-C2B-C1B	2.21	128.78	125.42
14	B	826	CLA	CAC-C3C-C4C	2.21	127.66	124.79
14	B	832	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	B	821	CLA	CAC-C3C-C4C	2.21	127.66	124.79
14	d	201	CLA	CHB-C4A-NA	2.21	127.59	124.40
14	A	828	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	B	807	CLA	C1D-CHD-C4C	-2.21	121.33	126.02
14	A	836	CLA	CHA-C1A-NA	-2.21	121.39	126.39
17	R	101	BCR	C2-C1-C6	-2.21	107.23	110.44
14	H	835	CLA	CAC-C3C-C4C	2.21	127.66	124.79
14	H	823	CLA	CHC-C1C-C2C	-2.21	120.68	126.95
14	H	814	CLA	CMC-C2C-C1C	2.21	128.48	125.03
14	G	831	CLA	CHB-C1B-C2B	-2.21	121.02	127.43
14	Z	812	CLA	CMA-C3A-C4A	2.21	117.70	111.77
14	Z	824	CLA	C7-C6-C5	-2.21	107.38	113.26
14	G	803	CLA	CHB-C4A-NA	2.21	127.58	124.40
14	Z	832	CLA	O1D-CGD-CBD	-2.20	120.17	124.52
14	H	830	CLA	C3C-C4C-NC	2.20	113.25	110.43
14	G	834	CLA	CMB-C2B-C3B	2.20	131.74	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	808	CLA	CHB-C4A-NA	2.20	127.58	124.40
14	Z	836	CLA	O2D-CGD-O1D	-2.20	119.56	123.85
14	H	819	CLA	CHC-C1C-C2C	-2.20	120.69	126.95
14	B	813	CLA	CED-O2D-CGD	2.20	120.91	115.92
14	L	207	CLA	C3C-C4C-NC	2.20	113.25	110.43
14	H	836	CLA	CGD-CBD-CAD	-2.20	103.72	110.85
14	A	827	CLA	C6-C5-C3	-2.20	108.10	113.47
14	Y	837	CLA	CHC-C1C-C2C	-2.20	120.69	126.95
14	Z	808	CLA	CED-O2D-CGD	2.20	120.91	115.92
17	e	101	BCR	C30-C25-C26	-2.20	119.63	122.64
14	G	843	CLA	CHC-C1C-C2C	-2.20	120.69	126.95
14	Z	807	CLA	CHD-C4C-C3C	-2.20	121.56	124.77
17	Y	856	BCR	C38-C26-C25	-2.20	122.08	124.48
14	G	828	CLA	O1D-CGD-CBD	-2.20	120.18	124.52
14	G	803	CLA	C1D-CHD-C4C	-2.20	121.34	126.02
14	G	832	CLA	CMD-C2D-C3D	-2.20	122.64	127.69
14	Y	832	CLA	CMB-C2B-C3B	2.20	131.72	126.55
14	Z	820	CLA	CMA-C3A-C4A	2.20	117.69	111.77
14	B	838	CLA	CHB-C4A-NA	2.20	127.57	124.40
14	Z	807	CLA	CHD-C1D-ND	-2.20	121.71	124.80
14	H	823	CLA	CHA-C1A-NA	-2.20	121.41	126.39
14	G	821	CLA	CBB-CAB-C3B	-2.20	116.54	127.53
17	Q	202	BCR	C7-C8-C9	-2.20	122.98	126.23
14	h	205	CLA	CMB-C2B-C1B	2.20	128.76	125.42
14	A	809	CLA	O2D-CGD-O1D	-2.20	119.57	123.85
14	G	814	CLA	CHA-C1A-NA	-2.20	121.42	126.39
14	H	809	CLA	C3C-C4C-NC	2.20	113.24	110.43
14	Z	814	CLA	C1-C2-C3	-2.20	122.60	126.20
19	B	849	LMG	O7-C10-C11	2.20	116.23	111.48
14	Z	805	CLA	C4-C3-C5	2.19	119.04	115.23
14	A	829	CLA	C1-C2-C3	-2.19	122.60	126.20
14	Y	813	CLA	CHC-C1C-C2C	-2.19	120.71	126.95
17	F	203	BCR	C1-C6-C5	-2.19	119.64	122.64
17	U	1008	BCR	C30-C25-C26	-2.19	119.64	122.64
14	Z	829	CLA	CHB-C4A-NA	2.19	127.57	124.40
14	A	804	CLA	C1-C2-C3	-2.19	122.60	126.20
14	Y	843	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	Z	830	CLA	CMD-C2D-C3D	-2.19	122.66	127.69
14	Z	839	CLA	CHC-C1C-C2C	-2.19	120.72	126.95
14	B	820	CLA	CHB-C1B-C2B	-2.19	121.06	127.43
14	Y	818	CLA	CHC-C1C-C2C	-2.19	120.72	126.95
14	H	824	CLA	C3C-C4C-NC	2.19	113.24	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	805	CLA	CHB-C4A-NA	2.19	127.56	124.40
14	G	814	CLA	CHB-C1B-C2B	-2.19	121.06	127.43
14	Z	824	CLA	CED-O2D-CGD	2.19	120.89	115.92
14	H	808	CLA	O1D-CGD-CBD	-2.19	120.20	124.52
14	B	816	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	B	807	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
14	j	102	CLA	CMA-C3A-C4A	2.19	117.66	111.77
14	B	807	CLA	CMB-C2B-C3B	2.19	131.70	126.55
14	G	806	CLA	CHC-C1C-C2C	-2.19	120.73	126.95
14	H	830	CLA	CHD-C1D-ND	-2.19	121.72	124.80
14	B	808	CLA	OBD-CAD-C3D	-2.19	123.30	128.42
17	Q	204	BCR	C30-C25-C26	-2.19	119.65	122.64
14	A	825	CLA	CHC-C4B-NB	2.19	127.33	124.05
14	H	809	CLA	C1D-CHD-C4C	-2.19	121.37	126.02
14	Z	807	CLA	C2B-C1B-NB	2.19	112.59	110.33
17	G	847	BCR	C23-C22-C21	2.19	122.45	119.01
14	H	817	CLA	CMD-C2D-C3D	-2.19	122.67	127.69
14	F	202	CLA	CAA-C2A-C1A	2.19	119.14	111.97
14	B	830	CLA	C3C-C4C-NC	2.19	113.23	110.43
14	B	810	CLA	CED-O2D-CGD	2.19	120.88	115.92
14	U	1002	CLA	CHB-C4A-NA	2.19	127.56	124.40
14	Y	810	CLA	CMB-C2B-C3B	2.19	131.69	126.55
14	d	202	CLA	C4D-C3D-CAD	2.19	110.48	108.11
14	L	205	CLA	CED-O2D-CGD	2.19	120.87	115.92
14	Z	823	CLA	CMB-C2B-C3B	2.19	131.69	126.55
14	Z	810	CLA	CAA-C2A-C3A	-2.19	107.09	113.00
14	Z	821	CLA	CHB-C1B-C2B	-2.18	121.09	127.43
14	B	834	CLA	CHA-C4D-ND	2.18	137.06	132.55
14	B	832	CLA	C1-C2-C3	-2.18	122.62	126.20
14	Z	808	CLA	CMB-C2B-C1B	2.18	128.74	125.42
14	L	206	CLA	C3C-C4C-NC	2.18	113.23	110.43
14	A	805	CLA	CMD-C2D-C3D	-2.18	122.68	127.69
14	G	834	CLA	CHB-C4A-NA	2.18	127.55	124.40
14	A	837	CLA	C6-C5-C3	-2.18	108.15	113.47
17	H	845	BCR	C24-C25-C26	2.18	126.58	121.56
14	Y	835	CLA	CMB-C2B-C1B	2.18	128.74	125.42
14	h	205	CLA	CMD-C2D-C3D	-2.18	122.69	127.69
14	Z	802	CLA	CHD-C1D-ND	-2.18	121.73	124.80
14	h	206	CLA	CMB-C2B-C3B	2.18	131.68	126.55
14	A	819	CLA	CHB-C4A-NA	2.18	127.55	124.40
14	h	205	CLA	CHB-C1B-C2B	-2.18	121.09	127.43
17	F	201	BCR	C4-C5-C6	-2.18	119.76	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	CGD-CBD-CAD	-2.18	103.79	110.85
14	B	810	CLA	C11-C12-C13	-2.18	108.72	115.97
14	H	820	CLA	CHC-C1C-C2C	-2.18	120.75	126.95
14	B	825	CLA	CMA-C3A-C4A	2.18	117.63	111.77
17	Y	848	BCR	C23-C24-C25	-2.18	121.18	127.00
17	B	847	BCR	C30-C25-C24	2.18	121.56	115.65
14	Z	820	CLA	CHB-C1B-C2B	-2.18	121.10	127.43
17	Z	843	BCR	C34-C9-C8	2.18	121.42	118.09
14	Y	808	CLA	C1-O2A-CGA	2.18	121.92	116.65
14	B	802	CLA	CMA-C3A-C4A	2.18	117.62	111.77
14	A	822	CLA	CMB-C2B-C1B	2.18	128.73	125.42
14	G	805	CLA	CMB-C2B-C1B	2.18	128.73	125.42
17	H	841	BCR	C38-C26-C27	2.18	118.24	113.60
14	A	825	CLA	C3C-C4C-NC	2.18	113.22	110.43
14	Y	809	CLA	O2D-CGD-O1D	-2.18	119.61	123.85
14	d	201	CLA	C4C-C3C-C2C	-2.18	103.72	106.89
14	Y	843	CLA	CED-O2D-CGD	2.18	120.85	115.92
14	G	834	CLA	CMC-C2C-C1C	2.18	128.43	125.03
14	Y	818	CLA	O2D-CGD-O1D	-2.18	119.61	123.85
14	Z	821	CLA	C3C-C4C-NC	2.17	113.22	110.43
14	A	831	CLA	CHC-C1C-C2C	-2.17	120.77	126.95
14	G	816	CLA	C2B-C1B-NB	2.17	112.58	110.33
14	Z	802	CLA	CHA-C1A-NA	-2.17	121.47	126.39
17	Q	202	BCR	C23-C22-C21	2.17	122.43	119.01
14	Y	819	CLA	CMB-C2B-C3B	2.17	131.66	126.55
14	Z	814	CLA	C3C-C4C-NC	2.17	113.22	110.43
14	Z	812	CLA	C4D-C3D-CAD	2.17	110.47	108.11
14	H	836	CLA	CMA-C3A-C4A	2.17	117.61	111.77
14	B	802	CLA	CHC-C1C-C2C	-2.17	120.77	126.95
14	B	802	CLA	CAA-CBA-CGA	-2.17	107.04	113.21
14	G	833	CLA	C1D-CHD-C4C	-2.17	121.40	126.02
14	Z	838	CLA	C1-O2A-CGA	2.17	121.91	116.65
14	f	102	CLA	CBB-CAB-C3B	-2.17	116.67	127.53
14	B	808	CLA	CHB-C1B-C2B	-2.17	121.12	127.43
14	H	818	CLA	C4C-C3C-C2C	-2.17	103.73	106.89
14	H	834	CLA	C4C-C3C-C2C	-2.17	103.73	106.89
14	G	853	CLA	C4D-C3D-CAD	2.17	110.47	108.11
17	Y	847	BCR	C24-C25-C26	-2.17	116.55	121.56
17	Y	850	BCR	C7-C8-C9	-2.17	123.02	126.23
17	L	203	BCR	C37-C22-C21	-2.17	119.30	122.82
14	L	201	CLA	O2D-CGD-O1D	-2.17	119.62	123.85
14	Q	203	CLA	CMD-C2D-C3D	-2.17	122.71	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1004	CLA	C3C-C4C-NC	2.17	113.21	110.43
14	G	803	CLA	C4D-C3D-CAD	2.17	110.46	108.11
14	H	825	CLA	OBD-CAD-C3D	-2.17	123.35	128.42
14	g	101	CLA	CHB-C4A-NA	2.17	127.53	124.40
13	Y	801	CL0	C4-C3-C2	-2.17	118.06	123.63
14	H	809	CLA	CAA-C2A-C1A	2.17	119.08	111.97
14	B	824	CLA	CGD-CBD-CAD	-2.17	103.83	110.85
14	B	837	CLA	C2B-C1B-NB	2.17	112.58	110.33
14	Z	818	CLA	C3C-C4C-NC	2.17	113.21	110.43
14	Z	803	CLA	C4D-C3D-CAD	2.17	110.46	108.11
14	G	812	CLA	O2D-CGD-O1D	-2.17	119.63	123.85
14	G	841	CLA	C1D-CHD-C4C	-2.17	121.41	126.02
14	Z	836	CLA	C2B-C1B-NB	2.17	112.57	110.33
14	h	201	CLA	CHA-C4D-ND	2.17	137.02	132.55
14	Q	201	CLA	C1-O2A-CGA	2.17	121.89	116.65
17	H	843	BCR	C38-C26-C25	-2.17	122.12	124.48
14	Z	816	CLA	C4D-C3D-CAD	2.17	110.46	108.11
14	H	822	CLA	CHB-C4A-NA	2.17	127.53	124.40
14	B	838	CLA	CMD-C2D-C3D	-2.17	122.72	127.69
14	Z	819	CLA	CHB-C1B-C2B	-2.17	121.14	127.43
14	Y	805	CLA	CAA-C2A-C3A	-2.17	107.15	113.00
17	B	851	BCR	C33-C5-C4	2.16	118.21	113.60
17	G	846	BCR	C36-C18-C17	-2.16	119.31	122.82
14	B	822	CLA	CMB-C2B-C1B	2.16	128.72	125.42
14	H	814	CLA	CBB-CAB-C3B	-2.16	116.71	127.53
14	Z	838	CLA	CHB-C1B-C2B	-2.16	121.14	127.43
14	Y	813	CLA	C4-C3-C5	2.16	118.98	115.23
14	B	806	CLA	C6-C5-C3	-2.16	108.20	113.47
14	B	822	CLA	CAC-C3C-C4C	2.16	127.61	124.79
14	Z	816	CLA	CBB-CAB-C3B	-2.16	116.72	127.53
14	B	807	CLA	OBD-CAD-C3D	-2.16	123.36	128.42
17	H	844	BCR	C37-C22-C23	2.16	121.39	118.09
17	S	1104	BCR	C37-C22-C21	-2.16	119.31	122.82
14	B	836	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
17	Y	848	BCR	C32-C1-C31	2.16	114.83	108.63
17	H	840	BCR	C27-C26-C25	-2.16	119.78	122.70
14	H	838	CLA	CHD-C4C-C3C	-2.16	121.62	124.77
14	G	840	CLA	CMA-C3A-C4A	2.16	117.59	111.77
14	Z	803	CLA	C1-O2A-CGA	2.16	121.89	116.65
14	U	1002	CLA	C4C-C3C-C2C	-2.16	103.74	106.89
14	G	831	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
14	S	1101	CLA	CHB-C1B-C2B	-2.16	121.15	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	823	CLA	C2B-C1B-NB	2.16	112.57	110.33
14	G	807	CLA	CBB-CAB-C3B	-2.16	116.72	127.53
17	M	101	BCR	C31-C1-C6	-2.16	106.85	110.24
14	H	818	CLA	CHB-C1B-C2B	-2.16	121.15	127.43
14	H	803	CLA	CBB-CAB-C3B	-2.16	116.73	127.53
14	H	825	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	G	841	CLA	C5-C3-C2	-2.16	116.32	121.17
14	B	832	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	B	815	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	H	814	CLA	CAA-C2A-C3A	-2.16	107.16	113.00
17	A	846	BCR	C1-C6-C7	2.16	121.51	115.65
17	Y	847	BCR	C3-C4-C5	-2.16	110.20	114.06
14	B	819	CLA	O1D-CGD-CBD	-2.16	120.26	124.52
17	U	1007	BCR	C39-C30-C25	2.16	113.63	110.24
14	Y	815	CLA	CGD-CBD-CAD	-2.16	103.86	110.85
14	H	814	CLA	OBD-CAD-C3D	-2.16	123.37	128.42
14	G	817	CLA	C1D-CHD-C4C	-2.16	121.43	126.02
14	Z	831	CLA	CHC-C1C-C2C	-2.16	120.82	126.95
14	G	820	CLA	C3C-C4C-NC	2.16	113.19	110.43
14	Z	801	CLA	CAA-CBA-CGA	2.16	119.33	113.21
14	B	830	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
14	G	827	CLA	CHB-C4A-NA	2.16	127.51	124.40
17	Z	845	BCR	C28-C27-C26	-2.16	110.21	114.06
14	Y	830	CLA	CAA-C2A-C3A	-2.16	107.17	113.00
17	V	1202	BCR	C3-C4-C5	-2.16	110.21	114.06
14	F	202	CLA	O1D-CGD-CBD	-2.16	120.27	124.52
14	G	813	CLA	CHB-C1B-C2B	-2.16	121.17	127.43
14	G	824	CLA	CHC-C1C-C2C	-2.16	120.82	126.95
14	A	829	CLA	CHD-C1D-ND	-2.15	121.77	124.80
14	G	819	CLA	CMC-C2C-C3C	2.15	131.98	126.15
14	Y	816	CLA	CAA-CBA-CGA	-2.15	107.09	113.21
14	G	833	CLA	C4D-C3D-CAD	2.15	110.45	108.11
14	L	201	CLA	C4D-C3D-CAD	2.15	110.45	108.11
17	Y	848	BCR	C7-C6-C5	-2.15	116.59	121.56
14	B	816	CLA	O2D-CGD-O1D	-2.15	119.66	123.85
14	Y	839	CLA	C4C-C3C-C2C	-2.15	103.76	106.89
14	Z	829	CLA	CMB-C2B-C3B	2.15	131.62	126.55
14	Y	804	CLA	CHC-C1C-C2C	-2.15	120.83	126.95
14	H	835	CLA	C3C-C4C-NC	2.15	113.19	110.43
14	U	1004	CLA	CHB-C4A-NA	2.15	127.50	124.40
14	Y	842	CLA	CBC-CAC-C3C	-2.15	106.59	112.42
14	Y	832	CLA	C1D-CHD-C4C	-2.15	121.45	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	813	CLA	C4C-C3C-C2C	-2.15	103.76	106.89
14	Y	813	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	A	837	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	J	102	CLA	CHB-C4A-NA	2.15	127.50	124.40
14	A	821	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	Y	839	CLA	CMA-C3A-C4A	2.15	117.55	111.77
14	G	829	CLA	CMD-C2D-C3D	-2.15	122.76	127.69
17	B	851	BCR	C30-C25-C26	-2.15	119.70	122.64
14	G	821	CLA	C3B-C4B-NB	-2.15	108.61	110.53
14	Y	826	CLA	CHD-C4C-C3C	-2.15	121.64	124.77
14	B	811	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	H	803	CLA	CMC-C2C-C3C	2.15	131.95	126.15
14	Z	804	CLA	OBD-CAD-C3D	-2.15	123.40	128.42
14	G	824	CLA	C2B-C1B-NB	2.15	112.55	110.33
17	Z	841	BCR	C15-C14-C13	-2.15	124.27	127.28
14	A	802	CLA	CHA-C1A-NA	-2.15	121.53	126.39
14	d	202	CLA	O1D-CGD-CBD	-2.15	120.29	124.52
14	H	804	CLA	CHC-C1C-C2C	-2.14	120.85	126.95
14	G	842	CLA	C3C-C4C-NC	2.14	113.18	110.43
14	K	101	CLA	CMB-C2B-C1B	2.14	128.68	125.42
14	H	801	CLA	CHB-C1B-C2B	-2.14	121.20	127.43
14	H	809	CLA	CHB-C4A-NA	2.14	127.49	124.40
14	A	805	CLA	CAA-C2A-C1A	-2.14	104.95	111.97
17	T	102	BCR	C32-C1-C6	-2.14	106.88	110.24
14	Y	855	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	H	836	CLA	CHC-C1C-C2C	-2.14	120.86	126.95
14	B	820	CLA	CMC-C2C-C3C	2.14	131.94	126.15
14	B	802	CLA	CBC-CAC-C3C	-2.14	106.61	112.42
17	I	101	BCR	C33-C5-C4	2.14	118.16	113.60
14	G	802	CLA	CMD-C2D-C3D	-2.14	122.78	127.69
14	H	834	CLA	CMD-C2D-C3D	-2.14	122.78	127.69
17	f	103	BCR	C33-C5-C4	2.14	118.16	113.60
14	H	821	CLA	CHB-C4A-NA	2.14	127.49	124.40
14	A	807	CLA	C3C-C4C-NC	2.14	113.17	110.43
17	J	103	BCR	C23-C22-C21	2.14	122.38	119.01
14	U	1002	CLA	CHC-C1C-C2C	-2.14	120.86	126.95
14	B	839	CLA	C2B-C1B-NB	2.14	112.55	110.33
14	j	102	CLA	CGD-CBD-CAD	-2.14	103.92	110.85
14	Z	809	CLA	C3C-C4C-NC	2.14	113.17	110.43
14	G	842	CLA	CMB-C2B-C1B	2.14	128.68	125.42
14	H	827	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
17	L	203	BCR	C30-C25-C24	2.14	121.45	115.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	813	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	G	829	CLA	CHD-C1D-ND	-2.14	121.79	124.80
14	G	837	CLA	CMC-C2C-C1C	2.14	128.38	125.03
14	A	816	CLA	C2B-C1B-NB	2.14	112.55	110.33
14	A	827	CLA	CED-O2D-CGD	2.14	120.77	115.92
14	A	806	CLA	C3C-C4C-NC	2.14	113.17	110.43
14	h	201	CLA	C6-C5-C3	-2.14	108.26	113.47
14	G	827	CLA	C1D-CHD-C4C	-2.14	121.47	126.02
14	G	805	CLA	CHD-C4C-C3C	-2.14	121.66	124.77
14	Z	827	CLA	CMC-C2C-C3C	2.14	131.93	126.15
14	Y	842	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
14	G	840	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
14	B	819	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
14	A	824	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
14	Y	842	CLA	C3C-C4C-NC	2.14	113.17	110.43
17	Z	844	BCR	C24-C23-C22	-2.14	123.07	126.23
14	Z	823	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
14	A	839	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
14	h	207	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	S	1101	CLA	C16-C15-C13	-2.14	108.87	115.97
14	B	819	CLA	C11-C10-C8	-2.14	108.87	115.97
17	Q	202	BCR	C33-C5-C4	2.14	118.15	113.60
14	G	827	CLA	C4C-C3C-C2C	-2.13	103.78	106.89
14	B	840	CLA	O2A-C1-C2	2.13	116.32	108.11
14	Y	824	CLA	CMD-C2D-C3D	-2.13	122.79	127.69
17	R	102	BCR	C2-C3-C4	-2.13	106.58	111.28
14	B	809	CLA	CMB-C2B-C1B	2.13	128.67	125.42
14	Z	838	CLA	C4D-C3D-CAD	2.13	110.42	108.11
14	G	803	CLA	CHC-C1C-C2C	-2.13	120.88	126.95
14	L	202	CLA	O1D-CGD-CBD	-2.13	120.31	124.52
14	A	833	CLA	CHA-C1A-NA	-2.13	121.56	126.39
14	G	825	CLA	CHD-C1D-ND	-2.13	121.80	124.80
17	M	101	BCR	C36-C18-C19	-2.13	114.83	118.09
14	B	811	CLA	C4-C3-C5	2.13	118.93	115.23
14	Y	824	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	Z	818	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	G	832	CLA	CMC-C2C-C3C	2.13	131.92	126.15
14	B	815	CLA	CBC-CAC-C3C	-2.13	106.64	112.42
14	Y	855	CLA	C3C-C4C-NC	2.13	113.16	110.43
14	G	827	CLA	C1-C2-C3	-2.13	122.70	126.20
14	A	833	CLA	C16-C15-C13	-2.13	108.88	115.97
14	A	812	CLA	C4C-C3C-C2C	-2.13	103.79	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	825	CLA	C3B-C4B-NB	-2.13	108.63	110.53
14	G	818	CLA	CMA-C3A-C4A	2.13	117.50	111.77
14	Y	827	CLA	CHA-C4D-ND	2.13	136.95	132.55
14	G	838	CLA	C3C-C4C-NC	2.13	113.16	110.43
14	A	830	CLA	OBD-CAD-C3D	-2.13	123.44	128.42
17	G	848	BCR	C12-C13-C14	2.13	122.36	119.01
14	G	815	CLA	CMC-C2C-C3C	2.13	131.91	126.15
14	A	835	CLA	C3C-C4C-NC	2.13	113.16	110.43
14	G	809	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
14	H	828	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
14	L	202	CLA	CMD-C2D-C3D	-2.13	122.81	127.69
14	A	819	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
17	f	103	BCR	C35-C13-C14	-2.13	119.37	122.82
14	B	809	CLA	C3A-C2A-C1A	2.13	104.53	101.34
14	Z	807	CLA	C1D-CHD-C4C	-2.13	121.50	126.02
14	B	818	CLA	CMD-C2D-C3D	-2.13	122.81	127.69
14	H	807	CLA	CHC-C4B-NB	2.13	127.24	124.05
14	H	815	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	A	833	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
14	Y	826	CLA	CMD-C2D-C3D	-2.13	122.81	127.69
14	Y	830	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
14	B	808	CLA	C4-C3-C5	2.13	118.92	115.23
14	G	819	CLA	CMA-C3A-C4A	2.13	117.49	111.77
14	Z	830	CLA	OBD-CAD-C3D	-2.13	123.45	128.42
14	Y	839	CLA	C2B-C1B-NB	2.13	112.53	110.33
14	A	820	CLA	C5-C3-C2	-2.13	116.40	121.17
14	B	837	CLA	CHD-C4C-C3C	-2.13	121.67	124.77
14	U	1003	CLA	O1D-CGD-CBD	-2.12	120.33	124.52
14	H	827	CLA	CHC-C4B-NB	2.12	127.24	124.05
14	G	843	CLA	C2B-C1B-NB	2.12	112.53	110.33
14	G	835	CLA	CHC-C1C-C2C	-2.12	120.91	126.95
14	Z	810	CLA	C3C-C4C-NC	2.12	113.15	110.43
14	Y	840	CLA	C1-O2A-CGA	2.12	121.79	116.65
17	M	101	BCR	C37-C22-C23	2.12	121.33	118.09
17	G	854	BCR	C23-C22-C21	2.12	122.35	119.01
14	Y	836	CLA	CHB-C4A-NA	2.12	127.46	124.40
14	A	807	CLA	CAA-C2A-C3A	-2.12	107.26	113.00
14	A	818	CLA	CMD-C2D-C3D	-2.12	122.82	127.69
14	Z	818	CLA	C1D-CHD-C4C	-2.12	121.51	126.02
14	Y	826	CLA	CBB-CAB-C3B	-2.12	116.92	127.53
14	Q	203	CLA	CED-O2D-CGD	2.12	120.73	115.92
14	B	804	CLA	CMB-C2B-C3B	2.12	131.54	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	CHB-C4A-NA	2.12	127.46	124.40
14	Y	813	CLA	C4C-C3C-C2C	-2.12	103.80	106.89
14	H	802	CLA	CMC-C2C-C1C	2.12	128.35	125.03
14	G	808	CLA	CHC-C1C-C2C	-2.12	120.92	126.95
14	h	201	CLA	CHB-C1B-C2B	-2.12	121.27	127.43
14	H	818	CLA	CMA-C3A-C4A	2.12	117.47	111.77
14	B	802	CLA	C1-C2-C3	-2.12	122.72	126.20
14	Z	825	CLA	CBB-CAB-C3B	-2.12	116.93	127.53
14	A	802	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
14	H	817	CLA	C1-C2-C3	-2.12	122.72	126.20
14	G	833	CLA	CHD-C4C-C3C	-2.12	121.68	124.77
14	S	1102	CLA	CBC-CAC-C3C	-2.12	106.68	112.42
14	Z	828	CLA	O1D-CGD-CBD	-2.12	120.34	124.52
14	H	829	CLA	CAC-C3C-C4C	2.12	127.55	124.79
14	B	812	CLA	CAA-C2A-C3A	-2.12	107.28	113.00
14	Z	822	CLA	CGD-CBD-CAD	-2.12	103.99	110.85
14	H	813	CLA	CHC-C1C-C2C	-2.12	120.93	126.95
14	Y	823	CLA	O1D-CGD-CBD	-2.12	120.34	124.52
14	A	808	CLA	C1-O2A-CGA	2.12	121.78	116.65
14	B	805	CLA	CHB-C4A-NA	2.12	127.45	124.40
14	G	842	CLA	CHD-C4C-C3C	-2.12	121.69	124.77
14	A	821	CLA	CMB-C2B-C3B	2.12	131.53	126.55
14	Z	837	CLA	C3C-C4C-NC	2.12	113.14	110.43
17	e	101	BCR	C7-C6-C5	-2.12	116.68	121.56
14	B	833	CLA	CMB-C2B-C1B	2.12	128.64	125.42
14	G	825	CLA	C4C-C3C-C2C	-2.12	103.81	106.89
14	H	813	CLA	O2D-CGD-O1D	-2.11	119.73	123.85
14	H	827	CLA	C1-O2A-CGA	2.11	121.77	116.65
14	A	829	CLA	C4-C3-C5	2.11	118.90	115.23
14	Y	827	CLA	C1D-CHD-C4C	-2.11	121.53	126.02
14	B	817	CLA	CMA-C3A-C4A	2.11	117.45	111.77
14	H	815	CLA	CMB-C2B-C1B	2.11	128.64	125.42
14	B	828	CLA	CBB-CAB-C3B	-2.11	116.97	127.53
17	Y	856	BCR	C31-C1-C6	-2.11	106.93	110.24
14	Z	823	CLA	OBD-CAD-C3D	-2.11	123.48	128.42
14	Z	831	CLA	CAC-C3C-C4C	2.11	127.54	124.79
14	B	828	CLA	C2B-C1B-NB	2.11	112.52	110.33
14	A	823	CLA	CMC-C2C-C1C	2.11	128.34	125.03
14	Q	203	CLA	CMC-C2C-C1C	2.11	128.34	125.03
14	B	810	CLA	C11-C10-C8	-2.11	108.94	115.97
14	Y	806	CLA	CHA-C1A-NA	-2.11	121.61	126.39
14	H	834	CLA	CHB-C1B-C2B	-2.11	121.30	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	813	CLA	CHB-C1B-C2B	-2.11	121.30	127.43
14	H	829	CLA	CHC-C1C-C2C	-2.11	120.95	126.95
14	G	843	CLA	C3C-C4C-NC	2.11	113.13	110.43
14	A	806	CLA	O2A-C1-C2	2.11	116.23	108.11
14	X	1701	CLA	CHA-C4D-ND	2.11	136.90	132.55
14	A	830	CLA	C4D-C3D-CAD	2.11	110.40	108.11
14	G	837	CLA	C4C-C3C-C2C	-2.11	103.82	106.89
14	U	1006	CLA	CMD-C2D-C3D	-2.11	122.85	127.69
17	H	848	BCR	C23-C22-C21	2.11	122.33	119.01
14	H	821	CLA	C3C-C4C-NC	2.11	113.13	110.43
14	Z	830	CLA	O2A-C1-C2	2.11	116.23	108.11
17	A	845	BCR	C2-C3-C4	-2.11	106.64	111.28
14	H	826	CLA	OBD-CAD-C3D	-2.11	123.49	128.42
19	H	846	LMG	C7-O1-C1	2.11	118.32	113.80
14	Y	842	CLA	C4B-C3B-C2B	-2.11	104.68	107.30
18	A	850	LHG	O8-C23-O10	-2.11	118.35	123.63
14	G	818	CLA	C1-C2-C3	-2.11	122.74	126.20
14	Y	808	CLA	C6-C5-C3	-2.11	108.33	113.47
14	H	837	CLA	C2B-C1B-NB	2.11	112.51	110.33
14	H	808	CLA	CHB-C4A-NA	2.11	127.44	124.40
17	Z	843	BCR	C24-C25-C26	2.11	126.41	121.56
14	H	805	CLA	CBC-CAC-C3C	-2.11	106.71	112.42
17	J	103	BCR	C23-C24-C25	-2.11	121.37	127.00
17	H	843	BCR	C15-C14-C13	-2.11	124.26	127.48
17	Z	842	BCR	C35-C13-C12	-2.11	114.87	118.09
14	B	824	CLA	CHC-C1C-C2C	-2.11	120.97	126.95
17	B	847	BCR	C24-C25-C26	-2.11	116.71	121.56
14	Q	201	CLA	CMA-C3A-C4A	2.11	117.43	111.77
14	Y	823	CLA	C1-C2-C3	-2.10	123.36	126.76
13	G	801	CL0	CHB-C4A-NA	2.10	127.44	124.40
14	L	206	CLA	CMB-C2B-C3B	2.10	131.50	126.55
13	G	801	CL0	CMB-C2B-C1B	2.10	128.62	125.42
14	U	1004	CLA	CMB-C2B-C3B	2.10	131.50	126.55
14	Z	828	CLA	CHD-C4C-C3C	-2.10	121.71	124.77
14	h	207	CLA	CHD-C4C-C3C	-2.10	121.71	124.77
14	A	818	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
14	L	207	CLA	C4D-C3D-CAD	2.10	110.39	108.11
14	A	833	CLA	C1D-CHD-C4C	-2.10	121.55	126.02
14	B	802	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
14	Z	825	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	F	202	CLA	C1D-CHD-C4C	-2.10	121.55	126.02
14	B	841	CLA	CAA-CBA-CGA	-2.10	107.24	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	813	CLA	CHD-C1D-ND	-2.10	121.84	124.80
17	Y	846	BCR	C30-C25-C26	-2.10	119.76	122.64
17	A	846	BCR	C38-C26-C27	2.10	118.08	113.60
14	Y	809	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	B	826	CLA	CHA-C4D-ND	2.10	136.88	132.55
14	Z	801	CLA	CHC-C1C-C2C	-2.10	120.98	126.95
17	Q	204	BCR	C28-C27-C26	-2.10	110.31	114.06
17	H	842	BCR	C32-C1-C6	2.10	113.53	110.24
14	B	816	CLA	O2A-C1-C2	2.10	116.19	108.11
13	G	801	CL0	CAA-CBA-CGA	2.10	119.17	113.21
14	G	809	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	Z	814	CLA	C4C-C3C-C2C	-2.10	103.84	106.89
14	F	202	CLA	CHB-C1B-C2B	-2.10	121.33	127.43
14	G	818	CLA	CMD-C2D-C3D	-2.10	122.88	127.69
14	Z	828	CLA	CMD-C2D-C3D	-2.10	122.88	127.69
14	H	813	CLA	C1D-CHD-C4C	-2.10	121.56	126.02
14	Y	802	CLA	C1D-CHD-C4C	-2.10	121.56	126.02
14	Z	834	CLA	CMC-C2C-C1C	2.10	128.31	125.03
17	Y	849	BCR	C24-C25-C26	-2.10	116.73	121.56
14	B	838	CLA	C4C-C3C-C2C	-2.10	103.84	106.89
14	Z	814	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
14	f	101	CLA	CMB-C2B-C1B	2.10	128.61	125.42
14	H	825	CLA	CED-O2D-CGD	2.10	120.67	115.92
14	H	811	CLA	C3C-C4C-NC	2.10	113.11	110.43
14	A	814	CLA	C1-C2-C3	-2.10	123.37	126.76
14	A	823	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
14	A	823	CLA	C3C-C4C-NC	2.10	113.11	110.43
14	S	1102	CLA	O2D-CGD-O1D	-2.10	119.77	123.85
14	H	816	CLA	C2A-C3A-C4A	-2.09	98.48	101.87
14	Z	818	CLA	CHA-C4D-ND	2.09	136.87	132.55
14	G	820	CLA	CMD-C2D-C3D	-2.09	122.89	127.69
14	A	817	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	A	837	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	G	818	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
17	Z	844	BCR	C30-C25-C26	-2.09	119.77	122.64
14	B	803	CLA	CHA-C1A-NA	-2.09	121.65	126.39
14	H	837	CLA	CMB-C2B-C1B	2.09	128.61	125.42
14	H	833	CLA	CHA-C1A-NA	-2.09	121.65	126.39
14	G	814	CLA	C3C-C4C-NC	2.09	113.11	110.43
14	B	804	CLA	C6-C7-C8	-2.09	109.01	115.97
14	G	822	CLA	C3C-C4C-NC	2.09	113.11	110.43
14	Y	832	CLA	CHC-C1C-C2C	-2.09	121.00	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	824	CLA	C3B-C4B-NB	-2.09	108.66	110.53
14	A	841	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
14	A	841	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	Y	838	CLA	C5-C3-C2	-2.09	116.47	121.17
14	B	812	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
14	h	206	CLA	C2A-C3A-C4A	-2.09	98.49	101.87
14	B	825	CLA	O2A-C1-C2	2.09	116.16	108.11
14	Z	815	CLA	C4-C3-C5	2.09	118.86	115.23
14	L	206	CLA	CMD-C2D-C3D	-2.09	122.89	127.69
14	G	816	CLA	CED-O2D-CGD	2.09	120.66	115.92
17	G	846	BCR	C7-C8-C9	-2.09	123.14	126.23
17	G	850	BCR	C36-C18-C17	2.09	126.20	122.82
14	Z	833	CLA	CAC-C3C-C4C	2.09	127.51	124.79
14	Y	834	CLA	C3A-C2A-C1A	2.09	104.47	101.34
14	A	835	CLA	CHC-C1C-C2C	-2.09	121.02	126.95
14	Z	838	CLA	C7-C6-C5	-2.09	107.70	113.26
14	L	206	CLA	C4-C3-C5	2.09	118.85	115.23
14	V	1201	CLA	C4C-C3C-C2C	-2.09	103.85	106.89
14	Y	854	CLA	C1D-CHD-C4C	-2.09	121.58	126.02
14	B	820	CLA	CHA-C1A-NA	-2.09	121.67	126.39
14	Y	822	CLA	CED-O2D-CGD	2.09	120.65	115.92
14	G	827	CLA	C6-C7-C8	-2.09	109.03	115.97
14	H	824	CLA	CHD-C4C-C3C	-2.09	121.73	124.77
14	L	206	CLA	CHA-C4D-ND	2.09	136.85	132.55
13	G	801	CL0	CED-O2D-CGD	2.09	120.65	115.92
14	U	1006	CLA	O2D-CGD-O1D	-2.09	119.79	123.85
14	A	818	CLA	CHD-C1D-ND	-2.09	121.87	124.80
14	A	833	CLA	CHB-C4A-NA	2.09	127.41	124.40
14	Z	807	CLA	CHC-C1C-C2C	-2.08	121.02	126.95
14	f	102	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
14	B	810	CLA	O2D-CGD-O1D	-2.08	119.79	123.85
14	A	822	CLA	C3C-C4C-NC	2.08	113.10	110.43
17	I	101	BCR	C8-C9-C10	2.08	122.29	119.01
14	G	810	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
14	Y	815	CLA	CHB-C1B-C2B	-2.08	121.38	127.43
14	H	818	CLA	C1-C2-C3	-2.08	122.78	126.20
14	Z	811	CLA	OBD-CAD-C3D	-2.08	123.55	128.42
14	G	805	CLA	CBC-CAC-C3C	-2.08	106.78	112.42
14	B	801	CLA	CED-O2D-CGD	2.08	120.64	115.92
14	Y	808	CLA	C4C-C3C-C2C	-2.08	103.86	106.89
14	Z	810	CLA	CHB-C1B-C2B	-2.08	121.39	127.43
14	A	830	CLA	O1D-CGD-CBD	-2.08	120.42	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	850	BCR	C39-C30-C25	-2.08	106.98	110.24
14	G	829	CLA	C4C-C3C-C2C	-2.08	103.86	106.89
17	d	203	BCR	C8-C9-C10	2.08	122.28	119.01
14	A	824	CLA	CED-O2D-CGD	2.08	120.63	115.92
14	G	820	CLA	OBD-CAD-C3D	-2.08	123.56	128.42
14	Y	812	CLA	OBD-CAD-C3D	-2.08	123.56	128.42
14	A	837	CLA	CED-O2D-CGD	2.08	120.63	115.92
19	H	846	LMG	O1-C7-C8	-2.08	105.76	110.82
14	G	839	CLA	CAA-CBA-CGA	-2.08	107.31	113.21
14	B	818	CLA	CHA-C1A-NA	-2.08	121.69	126.39
18	H	847	LHG	O8-C23-O10	-2.08	118.43	123.63
14	A	825	CLA	CMB-C2B-C1B	2.08	128.58	125.42
14	G	823	CLA	CHD-C4C-C3C	-2.08	121.75	124.77
14	Z	818	CLA	CBC-CAC-C3C	-2.08	106.79	112.42
14	Z	807	CLA	C11-C10-C8	-2.08	109.06	115.97
14	Z	817	CLA	C1D-CHD-C4C	-2.08	121.61	126.02
14	A	817	CLA	C3C-C4C-NC	2.08	113.09	110.43
14	G	811	CLA	CMB-C2B-C1B	2.08	128.58	125.42
17	K	102	BCR	C23-C22-C21	-2.08	115.74	119.01
14	Y	808	CLA	C4-C3-C5	2.08	118.83	115.23
14	H	821	CLA	CMA-C3A-C4A	2.08	117.35	111.77
14	Y	830	CLA	C1-C2-C3	-2.08	122.80	126.20
14	U	1006	CLA	O1D-CGD-CBD	-2.08	120.42	124.52
14	G	829	CLA	CMB-C2B-C3B	2.08	131.43	126.55
14	G	828	CLA	C6-C7-C8	-2.08	109.07	115.97
14	A	830	CLA	C16-C15-C13	-2.07	109.07	115.97
15	Z	840	PQN	C11-C3-C2	-2.07	121.33	124.89
14	A	823	CLA	CHC-C1C-C2C	-2.07	121.05	126.95
17	T	102	BCR	C15-C14-C13	-2.07	124.37	127.28
14	B	811	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	G	833	CLA	CHB-C4A-NA	2.07	127.39	124.40
14	Z	839	CLA	CHB-C4A-NA	2.07	127.39	124.40
14	G	829	CLA	CMC-C2C-C1C	2.07	128.28	125.03
14	B	814	CLA	CHC-C1C-C2C	-2.07	121.05	126.95
14	Y	827	CLA	CHA-C1A-NA	-2.07	121.69	126.39
14	A	806	CLA	O2D-CGD-O1D	-2.07	119.81	123.85
14	A	825	CLA	CAA-CBA-CGA	-2.07	107.32	113.21
14	Z	809	CLA	CMD-C2D-C3D	-2.07	122.94	127.69
14	B	832	CLA	CMC-C2C-C3C	2.07	131.75	126.15
17	Z	841	BCR	C29-C30-C25	-2.07	107.43	110.44
14	Y	843	CLA	CHA-C4D-ND	2.07	136.82	132.55
17	G	849	BCR	C27-C26-C25	-2.07	119.90	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	f	105	BCR	C8-C7-C6	-2.07	121.46	127.00
14	A	817	CLA	C1D-CHD-C4C	-2.07	121.62	126.02
14	Y	828	CLA	CHD-C1D-ND	-2.07	121.89	124.80
14	d	202	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
13	A	801	CL0	C6-C5-C3	-2.07	108.42	113.47
14	Y	831	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
14	G	853	CLA	CMC-C2C-C3C	2.07	131.75	126.15
14	G	853	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
14	Z	831	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
14	B	818	CLA	CMC-C2C-C1C	2.07	128.27	125.03
15	H	839	PQN	C11-C12-C13	-2.07	123.27	126.83
14	S	1103	CLA	O2A-C1-C2	2.07	116.07	108.11
14	Z	820	CLA	C1-C2-C3	-2.07	122.81	126.20
14	A	841	CLA	C1-O2A-CGA	2.07	121.66	116.65
14	B	809	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
14	Z	837	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
14	B	813	CLA	C16-C15-C13	-2.07	109.09	115.97
17	Z	846	BCR	C37-C22-C23	2.07	121.25	118.09
14	B	815	CLA	C1D-CHD-C4C	-2.07	121.63	126.02
14	H	816	CLA	CGD-CBD-CAD	-2.07	104.16	110.85
14	H	801	CLA	CED-O2D-CGD	2.07	120.60	115.92
14	Z	805	CLA	CMC-C2C-C3C	2.07	131.74	126.15
14	Z	801	CLA	CHB-C1B-C2B	-2.07	121.43	127.43
14	Y	831	CLA	CHA-C4D-ND	2.07	136.81	132.55
17	f	103	BCR	C23-C22-C21	2.07	122.26	119.01
17	B	851	BCR	C36-C18-C19	-2.07	114.93	118.09
17	Y	847	BCR	C29-C30-C25	-2.07	107.44	110.44
14	H	813	CLA	CMB-C2B-C1B	2.06	128.56	125.42
17	B	848	BCR	C36-C18-C19	-2.06	114.93	118.09
14	H	826	CLA	CMD-C2D-C3D	-2.06	122.95	127.69
14	Y	832	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	B	822	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	Y	855	CLA	CMB-C2B-C1B	2.06	128.56	125.42
14	g	102	CLA	O2D-CGD-O1D	-2.06	119.83	123.85
14	B	819	CLA	CHB-C4A-NA	2.06	127.38	124.40
14	g	102	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	U	1006	CLA	C4-C3-C5	2.06	118.81	115.23
14	G	806	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
14	Z	829	CLA	CAA-C2A-C3A	-2.06	107.43	113.00
14	Z	830	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
17	h	203	BCR	C3-C4-C5	-2.06	110.38	114.06
14	H	808	CLA	CMA-C3A-C4A	2.06	117.31	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	F	203	BCR	C38-C26-C27	2.06	117.99	113.60
14	B	801	CLA	CBB-CAB-C3B	-2.06	117.24	127.53
14	H	830	CLA	CHB-C1B-C2B	-2.06	121.45	127.43
14	A	830	CLA	C1-C2-C3	-2.06	122.82	126.20
14	H	834	CLA	C1-C2-C3	-2.06	122.82	126.20
14	f	101	CLA	CMA-C3A-C4A	2.06	117.31	111.77
14	A	852	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
14	B	839	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	H	811	CLA	CHC-C1C-C2C	-2.06	121.10	126.95
14	B	831	CLA	C4C-C3C-C2C	-2.06	103.90	106.89
14	B	836	CLA	C2B-C1B-NB	2.06	112.46	110.33
14	A	823	CLA	CBB-CAB-C3B	-2.06	117.24	127.53
14	A	838	CLA	CHC-C1C-C2C	-2.06	121.10	126.95
14	Z	816	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
14	L	207	CLA	O1D-CGD-CBD	-2.06	120.46	124.52
14	Z	810	CLA	CGD-CBD-CAD	2.06	117.50	110.85
15	H	839	PQN	C11-C3-C4	2.06	120.75	118.58
14	A	827	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	Z	821	CLA	C4C-C3C-C2C	-2.06	103.90	106.89
17	Z	843	BCR	C35-C13-C14	-2.06	119.49	122.82
14	H	801	CLA	CHC-C1C-C2C	-2.06	121.11	126.95
14	G	802	CLA	CMB-C2B-C1B	2.05	128.55	125.42
14	A	835	CLA	CMA-C3A-C4A	2.05	117.30	111.77
14	G	812	CLA	CHB-C1B-C2B	-2.05	121.46	127.43
14	A	839	CLA	CHC-C1C-C2C	-2.05	121.11	126.95
14	Z	820	CLA	CBB-CAB-C3B	-2.05	117.26	127.53
14	A	841	CLA	OBD-CAD-C3D	-2.05	123.62	128.42
17	f	104	BCR	C33-C5-C4	2.05	117.97	113.60
14	f	102	CLA	C4-C3-C2	-2.05	118.35	123.63
14	d	201	CLA	CAC-C3C-C4C	2.05	127.46	124.79
14	Y	808	CLA	O2A-C1-C2	2.05	116.01	108.11
14	H	830	CLA	C1D-CHD-C4C	-2.05	121.66	126.02
14	H	837	CLA	C2A-C3A-C4A	-2.05	98.55	101.87
14	Z	807	CLA	O2D-CGD-O1D	-2.05	119.85	123.85
13	G	801	CL0	CHC-C1C-C2C	-2.05	121.11	126.95
14	S	1103	CLA	CBB-CAB-C3B	-2.05	117.27	127.53
14	Y	815	CLA	CED-O2D-CGD	2.05	120.57	115.92
14	Y	834	CLA	CMB-C2B-C1B	2.05	128.54	125.42
14	B	826	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	H	806	CLA	CHC-C1C-C2C	-2.05	121.12	126.95
17	d	203	BCR	C31-C1-C6	-2.05	107.03	110.24
14	Z	816	CLA	C3C-C4C-NC	2.05	113.06	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	840	CLA	CHB-C4A-NA	2.05	127.36	124.40
17	f	103	BCR	C33-C5-C6	-2.05	122.25	124.48
14	G	817	CLA	CHC-C1C-C2C	-2.05	121.12	126.95
14	G	810	CLA	C1D-CHD-C4C	-2.05	121.66	126.02
14	B	829	CLA	CMB-C2B-C3B	2.05	131.37	126.55
14	H	822	CLA	O2D-CGD-O1D	-2.05	119.86	123.85
15	B	842	PQN	C16-C17-C18	-2.05	109.15	115.97
14	Z	811	CLA	C3C-C4C-NC	2.05	113.06	110.43
14	H	821	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
17	B	844	BCR	C33-C5-C4	2.05	117.97	113.60
14	Z	822	CLA	CHC-C4B-NB	2.05	127.12	124.05
14	Z	834	CLA	CBB-CAB-C3B	-2.05	117.29	127.53
17	Z	843	BCR	C40-C30-C25	-2.05	107.03	110.24
14	L	205	CLA	CAC-C3C-C4C	2.05	127.45	124.79
14	g	102	CLA	CMC-C2C-C1C	2.05	128.24	125.03
14	A	820	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	B	826	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
14	B	807	CLA	CHA-C1A-NA	-2.05	121.75	126.39
14	B	835	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	G	810	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
14	Z	811	CLA	CMC-C2C-C1C	2.05	128.23	125.03
14	G	820	CLA	C1D-CHD-C4C	-2.05	121.67	126.02
14	G	830	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	Y	815	CLA	CMB-C2B-C3B	2.05	131.36	126.55
17	H	841	BCR	C8-C7-C6	-2.05	121.53	127.00
14	Z	811	CLA	CHB-C1B-C2B	-2.05	121.49	127.43
17	H	840	BCR	C2-C1-C6	2.05	113.41	110.44
14	B	822	CLA	CHB-C1B-C2B	-2.05	121.49	127.43
14	Z	808	CLA	CAA-C2A-C1A	2.05	118.68	111.97
14	B	837	CLA	C4D-C3D-CAD	2.04	110.33	108.11
14	H	807	CLA	C4-C3-C5	2.04	118.78	115.23
14	A	837	CLA	CHD-C4C-C3C	-2.04	121.79	124.77
14	B	803	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
17	H	848	BCR	C38-C26-C27	2.04	117.95	113.60
14	Z	804	CLA	CAC-C3C-C2C	-2.04	123.80	127.56
14	A	838	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
14	A	822	CLA	CMD-C2D-C3D	-2.04	123.00	127.69
14	G	823	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
14	A	837	CLA	O2D-CGD-O1D	-2.04	119.87	123.85
14	Y	821	CLA	OBD-CAD-C3D	-2.04	123.64	128.42
14	H	823	CLA	CHC-C4B-NB	2.04	127.11	124.05
14	B	828	CLA	C4C-C3C-C2C	-2.04	103.92	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	828	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	B	804	CLA	CAA-C2A-C3A	-2.04	107.48	113.00
14	G	817	CLA	CMD-C2D-C3D	-2.04	123.01	127.69
14	H	802	CLA	CMD-C2D-C3D	-2.04	123.01	127.69
17	V	1202	BCR	C15-C14-C13	-2.04	124.42	127.28
14	Y	855	CLA	CBB-CAB-C3B	-2.04	117.33	127.53
14	G	821	CLA	C3C-C4C-NC	2.04	113.04	110.43
14	G	823	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	L	202	CLA	CHA-C1A-NA	-2.04	121.77	126.39
14	H	805	CLA	CHB-C1B-C2B	-2.04	121.50	127.43
14	A	822	CLA	CHB-C4A-NA	2.04	127.34	124.40
14	G	814	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	G	825	CLA	CHC-C1C-C2C	-2.04	121.15	126.95
14	G	817	CLA	CAC-C3C-C4C	2.04	127.44	124.79
14	Y	812	CLA	CED-O2D-CGD	2.04	120.54	115.92
14	B	818	CLA	CMA-C3A-C4A	2.04	117.26	111.77
19	H	846	LMG	O8-C28-C29	2.04	118.06	111.83
14	B	823	CLA	CMB-C2B-C3B	2.04	131.35	126.55
14	V	1201	CLA	CMB-C2B-C3B	2.04	131.35	126.55
14	L	205	CLA	CGD-CBD-CAD	-2.04	104.24	110.85
18	G	852	LHG	O8-C23-O10	-2.04	118.53	123.63
14	h	207	CLA	CHB-C1B-C2B	-2.04	121.51	127.43
14	B	825	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
14	A	852	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
14	B	821	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	G	818	CLA	CHB-C4A-NA	2.04	127.34	124.40
15	H	839	PQN	C21-C20-C18	-2.04	109.19	115.97
14	H	833	CLA	CHB-C1B-C2B	-2.04	121.51	127.43
14	Z	832	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	A	834	CLA	CBB-CAB-C3B	-2.04	117.34	127.53
14	Y	815	CLA	CHC-C1C-C2C	-2.04	121.16	126.95
14	Y	822	CLA	CHB-C1B-C2B	-2.04	121.51	127.43
14	G	803	CLA	C1-C2-C3	-2.04	122.86	126.20
14	Y	822	CLA	CMB-C2B-C1B	2.04	128.52	125.42
14	B	817	CLA	CHC-C4B-NB	2.04	127.11	124.05
17	G	850	BCR	C24-C25-C26	-2.04	116.86	121.56
14	B	833	CLA	CAC-C3C-C4C	2.04	127.44	124.79
14	Y	830	CLA	C6-C5-C3	-2.04	108.51	113.47
14	A	821	CLA	CMA-C3A-C4A	2.04	117.25	111.77
14	Z	816	CLA	CHB-C4A-NA	2.04	127.34	124.40
14	H	814	CLA	C3C-C4C-NC	2.04	113.04	110.43
14	T	101	CLA	C3C-C4C-NC	2.04	113.04	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	826	CLA	OBD-CAD-C3D	-2.04	123.66	128.42
17	U	1008	BCR	C34-C9-C8	2.04	121.20	118.09
14	A	823	CLA	CMB-C2B-C3B	2.04	131.34	126.55
14	B	838	CLA	CHD-C4C-C3C	-2.04	121.81	124.77
14	G	834	CLA	C1D-CHD-C4C	-2.04	121.69	126.02
17	Y	856	BCR	C38-C26-C27	2.04	117.94	113.60
14	G	815	CLA	CHB-C4A-NA	2.04	127.34	124.40
17	Y	856	BCR	C32-C1-C6	-2.03	107.05	110.24
14	f	102	CLA	C4-C3-C5	2.03	118.76	115.23
14	H	805	CLA	CHC-C1C-C2C	-2.03	121.17	126.95
14	A	819	CLA	C3C-C4C-NC	2.03	113.04	110.43
14	A	833	CLA	C9-C8-C7	2.03	118.53	111.27
14	G	813	CLA	CMB-C2B-C1B	2.03	128.51	125.42
14	h	206	CLA	CED-O2D-CGD	2.03	120.53	115.92
15	B	842	PQN	O1-C1-C10	-2.03	118.32	121.57
14	Z	815	CLA	CHB-C4A-NA	2.03	127.33	124.40
17	Y	849	BCR	C33-C5-C4	2.03	117.93	113.60
15	A	843	PQN	O4-C4-C5	-2.03	118.32	121.57
14	Z	817	CLA	CHD-C4C-C3C	-2.03	121.81	124.77
14	H	809	CLA	CBC-CAC-C3C	-2.03	106.91	112.42
14	B	820	CLA	CHA-C4D-ND	2.03	136.74	132.55
14	Y	834	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
14	A	837	CLA	C4-C3-C5	2.03	118.75	115.23
14	H	835	CLA	O1D-CGD-CBD	-2.03	120.51	124.52
14	H	820	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
14	Y	843	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
14	Y	813	CLA	CMB-C2B-C3B	2.03	131.32	126.55
14	G	827	CLA	C6-C5-C3	-2.03	108.52	113.47
17	V	1202	BCR	C37-C22-C23	2.03	121.19	118.09
14	H	802	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	H	827	CLA	CAC-C3C-C4C	2.03	127.43	124.79
14	H	811	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
14	Z	836	CLA	C1-C2-C3	-2.03	122.87	126.20
14	G	818	CLA	CMB-C2B-C3B	2.03	131.32	126.55
14	B	803	CLA	C2A-C3A-C4A	2.03	105.15	101.87
14	B	827	CLA	O2A-C1-C2	2.03	115.92	108.11
14	H	837	CLA	CMD-C2D-C3D	-2.03	123.04	127.69
14	Z	822	CLA	CHC-C1C-C2C	-2.03	121.18	126.95
14	B	828	CLA	CHB-C4A-NA	2.03	127.33	124.40
14	H	818	CLA	CHA-C1A-NA	-2.03	121.80	126.39
14	B	804	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	G	807	CLA	O1D-CGD-CBD	-2.03	120.52	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	826	CLA	O1D-CGD-CBD	-2.03	120.52	124.52
14	Z	803	CLA	C1D-CHD-C4C	-2.03	121.71	126.02
14	G	836	CLA	CAC-C3C-C4C	2.03	127.43	124.79
17	J	103	BCR	C27-C26-C25	-2.03	119.96	122.70
17	U	1008	BCR	C35-C13-C14	-2.03	119.53	122.82
14	W	1701	CLA	C3C-C4C-NC	2.03	113.03	110.43
18	A	851	LHG	O8-C6-C5	2.03	114.24	108.40
14	H	814	CLA	CHB-C4A-NA	2.03	127.33	124.40
14	Y	810	CLA	CMD-C2D-C3D	-2.03	123.04	127.69
17	i	101	BCR	C35-C13-C12	-2.03	114.99	118.09
14	B	807	CLA	CMC-C2C-C1C	2.03	128.20	125.03
14	B	833	CLA	C4C-C3C-C2C	-2.03	103.94	106.89
13	A	801	CL0	CHD-C1D-ND	-2.03	121.95	124.80
14	L	202	CLA	C4C-C3C-C2C	-2.03	103.94	106.89
14	B	833	CLA	CHB-C4A-NA	2.03	127.32	124.40
14	H	814	CLA	CAC-C3C-C4C	2.03	127.42	124.79
17	Z	842	BCR	C27-C26-C25	-2.03	119.97	122.70
14	Y	839	CLA	CHC-C1C-C2C	-2.03	121.19	126.95
14	B	812	CLA	CHB-C4A-NA	2.02	127.32	124.40
17	Y	850	BCR	C29-C28-C27	2.02	115.73	111.28
14	H	826	CLA	O2D-CGD-O1D	-2.02	119.91	123.85
14	B	824	CLA	CHD-C4C-C3C	-2.02	121.82	124.77
14	B	830	CLA	CHB-C4A-NA	2.02	127.32	124.40
17	J	104	BCR	C32-C1-C6	2.02	113.42	110.24
14	B	805	CLA	CHB-C1B-C2B	-2.02	121.55	127.43
14	B	837	CLA	C1-C2-C3	-2.02	122.88	126.20
14	L	201	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	A	829	CLA	C1D-CHD-C4C	-2.02	121.72	126.02
14	A	826	CLA	CAC-C3C-C4C	2.02	127.42	124.79
14	B	818	CLA	CGD-CBD-CAD	-2.02	104.30	110.85
14	Y	818	CLA	CED-O2D-CGD	2.02	120.50	115.92
14	A	808	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	A	818	CLA	CMB-C2B-C3B	2.02	131.31	126.55
15	B	842	PQN	C11-C3-C4	2.02	120.71	118.58
17	Y	856	BCR	C27-C26-C25	-2.02	119.97	122.70
14	A	838	CLA	CHA-C1A-NA	-2.02	121.81	126.39
14	Y	808	CLA	CAA-C2A-C1A	-2.02	105.35	111.97
14	H	804	CLA	OBD-CAD-C3D	-2.02	123.69	128.42
14	A	841	CLA	C16-C17-C18	-2.02	106.92	115.94
14	Y	854	CLA	CHA-C1A-NA	-2.02	121.82	126.39
14	A	831	CLA	CGD-CBD-CAD	-2.02	104.31	110.85
17	U	1008	BCR	C35-C13-C12	2.02	121.17	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	J	102	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
14	Z	810	CLA	CBC-CAC-C3C	-2.02	106.95	112.42
14	G	843	CLA	CED-O2D-CGD	2.02	120.49	115.92
14	Y	836	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
14	G	808	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	Y	808	CLA	CMB-C2B-C3B	2.02	131.30	126.55
14	Y	839	CLA	CED-O2D-CGD	2.02	120.49	115.92
14	F	202	CLA	CMC-C2C-C3C	2.02	131.61	126.15
14	Y	812	CLA	CHB-C4A-NA	2.02	127.31	124.40
13	Y	801	CL0	C4C-C3C-C2C	-2.02	103.95	106.89
14	Z	824	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	Y	841	CLA	CMD-C2D-C3D	-2.02	123.06	127.69
14	H	824	CLA	C3A-C2A-C1A	2.02	104.36	101.34
14	B	813	CLA	CMB-C2B-C1B	2.02	128.49	125.42
14	G	824	CLA	CMA-C3A-C4A	2.02	117.19	111.77
14	A	834	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
17	S	1104	BCR	C30-C25-C26	-2.02	119.88	122.64
14	Z	836	CLA	CHC-C4B-NB	2.02	127.07	124.05
14	G	804	CLA	CHB-C1B-C2B	-2.02	121.57	127.43
14	G	842	CLA	CED-O2D-CGD	2.02	120.49	115.92
14	G	813	CLA	C4C-C3C-C2C	-2.02	103.96	106.89
14	B	811	CLA	CBA-CAA-C2A	2.02	119.79	113.79
14	Z	839	CLA	C16-C15-C13	-2.02	109.27	115.97
14	Y	854	CLA	CHB-C1B-C2B	-2.02	121.58	127.43
14	G	839	CLA	CHC-C1C-C2C	-2.01	121.22	126.95
14	K	101	CLA	CHB-C4A-NA	2.01	127.31	124.40
14	A	832	CLA	CMC-C2C-C3C	2.01	131.60	126.15
14	B	803	CLA	C1-O2A-CGA	2.01	121.53	116.65
17	Y	856	BCR	C24-C25-C26	2.01	126.19	121.56
14	G	810	CLA	CHB-C4A-NA	2.01	127.31	124.40
14	B	839	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
17	Z	846	BCR	C37-C22-C21	-2.01	119.56	122.82
14	B	829	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	G	815	CLA	C1D-CHD-C4C	-2.01	121.74	126.02
14	Y	832	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	Y	855	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
14	g	102	CLA	CMB-C2B-C3B	2.01	131.28	126.55
14	B	815	CLA	CHB-C1B-C2B	-2.01	121.59	127.43
17	L	208	BCR	C28-C27-C26	-2.01	110.47	114.06
14	Z	831	CLA	C1-C2-C3	-2.01	122.90	126.20
14	H	807	CLA	C3C-C4C-NC	2.01	113.01	110.43
14	H	836	CLA	CMD-C2D-C3D	-2.01	123.08	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	811	CLA	CBA-CAA-C2A	2.01	119.78	113.79
14	H	837	CLA	C1-O2A-CGA	2.01	121.52	116.65
14	Y	803	CLA	CHB-C1B-C2B	-2.01	121.59	127.43
14	H	809	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	H	808	CLA	C2B-C1B-NB	2.01	112.41	110.33
14	Y	834	CLA	O2D-CGD-O1D	-2.01	119.94	123.85
13	Y	801	CL0	CMD-C2D-C3D	-2.01	123.08	127.69
17	Y	850	BCR	C38-C26-C27	2.01	117.88	113.60
14	Z	802	CLA	C1D-CHD-C4C	-2.01	121.75	126.02
14	B	829	CLA	CHB-C1B-C2B	-2.01	121.59	127.43
13	Y	801	CL0	CAC-C3C-C4C	2.01	127.40	124.79
14	A	819	CLA	CHB-C1B-C2B	-2.01	121.59	127.43
17	Z	846	BCR	C40-C30-C25	-2.01	107.09	110.24
14	G	827	CLA	CHA-C4D-ND	2.01	136.69	132.55
14	A	827	CLA	CHC-C1C-C2C	-2.01	121.24	126.95
14	h	207	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	Y	826	CLA	O2A-CGA-CBA	2.01	117.96	111.83
14	B	833	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
14	G	817	CLA	C4-C3-C2	-2.01	118.47	123.63
17	B	848	BCR	C24-C25-C26	2.01	126.18	121.56
14	S	1101	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	G	803	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
14	G	842	CLA	C16-C15-C13	-2.01	109.30	115.97
14	H	829	CLA	CHB-C1B-C2B	-2.01	121.60	127.43
17	A	849	BCR	C33-C5-C4	2.01	117.87	113.60
14	B	819	CLA	CMB-C2B-C3B	2.01	131.27	126.55
14	B	814	CLA	C3C-C4C-NC	2.01	113.00	110.43
14	Z	804	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
14	B	810	CLA	CHC-C4B-NB	2.01	127.06	124.05
14	Z	806	CLA	CBB-CAB-C3B	-2.01	117.51	127.53
14	G	802	CLA	CMC-C2C-C1C	2.00	128.17	125.03
14	G	805	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	G	817	CLA	C1-C2-C3	-2.00	122.91	126.20
17	H	848	BCR	C37-C22-C23	2.00	121.15	118.09
17	U	1008	BCR	C36-C18-C19	-2.00	115.03	118.09
14	A	829	CLA	C4C-C3C-C2C	-2.00	103.97	106.89
14	B	835	CLA	CMB-C2B-C3B	2.00	131.26	126.55
14	A	804	CLA	CMD-C2D-C3D	-2.00	123.09	127.69
14	B	834	CLA	C3C-C4C-NC	2.00	113.00	110.43
14	B	808	CLA	C16-C15-C13	-2.00	109.31	115.97
14	G	834	CLA	C4D-C3D-CAD	2.00	110.28	108.11
14	H	816	CLA	CHD-C4C-C3C	-2.00	121.85	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	842	CLA	C5-C3-C2	-2.00	116.67	121.17
17	H	844	BCR	C23-C22-C21	2.00	122.16	119.01
14	H	828	CLA	C1D-CHD-C4C	-2.00	121.77	126.02
14	Z	824	CLA	C1D-CHD-C4C	-2.00	121.77	126.02
14	G	829	CLA	C4-C3-C5	2.00	118.70	115.23
14	G	813	CLA	CMB-C2B-C3B	2.00	131.26	126.55
14	G	832	CLA	C3C-C4C-NC	2.00	112.99	110.43
17	Z	846	BCR	C36-C18-C19	-2.00	115.03	118.09
14	H	801	CLA	C4C-C3C-C2C	-2.00	103.98	106.89
14	Y	818	CLA	C1D-CHD-C4C	-2.00	121.77	126.02
14	Y	832	CLA	CBC-CAC-C3C	-2.00	107.00	112.42

There are no chirality outliers.

All (4325) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	G	801	CL0	CBD-CGD-O2D-CED
13	Y	801	CL0	C1A-C2A-CAA-CBA
13	Y	801	CL0	C3A-C2A-CAA-CBA
13	Y	801	CL0	CBD-CGD-O2D-CED
14	A	802	CLA	C4B-C3B-CAB-CBB
14	A	803	CLA	CHA-CBD-CGD-O1D
14	A	803	CLA	CHA-CBD-CGD-O2D
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	804	CLA	C3A-C2A-CAA-CBA
14	A	804	CLA	CHA-CBD-CGD-O1D
14	A	804	CLA	CHA-CBD-CGD-O2D
14	A	805	CLA	C2-C1-O2A-CGA
14	A	805	CLA	CAD-CBD-CGD-O1D
14	A	805	CLA	CAD-CBD-CGD-O2D
14	A	806	CLA	C1A-C2A-CAA-CBA
14	A	806	CLA	CBD-CGD-O2D-CED
14	A	807	CLA	C2-C1-O2A-CGA
14	A	808	CLA	C3A-C2A-CAA-CBA
14	A	808	CLA	CHA-CBD-CGD-O1D
14	A	808	CLA	CHA-CBD-CGD-O2D
14	A	809	CLA	C2-C1-O2A-CGA
14	A	810	CLA	CBD-CGD-O2D-CED
14	A	813	CLA	CBD-CGD-O2D-CED
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	816	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	818	CLA	C2-C1-O2A-CGA
14	A	818	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	C1A-C2A-CAA-CBA
14	A	819	CLA	C3A-C2A-CAA-CBA
14	A	819	CLA	CBD-CGD-O2D-CED
14	A	820	CLA	C1A-C2A-CAA-CBA
14	A	820	CLA	C3A-C2A-CAA-CBA
14	A	820	CLA	C4B-C3B-CAB-CBB
14	A	822	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	C1A-C2A-CAA-CBA
14	A	823	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	C2B-C3B-CAB-CBB
14	A	824	CLA	C4B-C3B-CAB-CBB
14	A	826	CLA	C1A-C2A-CAA-CBA
14	A	827	CLA	C2B-C3B-CAB-CBB
14	A	827	CLA	C4B-C3B-CAB-CBB
14	A	828	CLA	C1A-C2A-CAA-CBA
14	A	828	CLA	C3A-C2A-CAA-CBA
14	A	829	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CHA-CBD-CGD-O1D
14	A	830	CLA	CHA-CBD-CGD-O2D
14	A	832	CLA	C12-C13-C15-C16
14	A	833	CLA	C2B-C3B-CAB-CBB
14	A	833	CLA	C4B-C3B-CAB-CBB
14	A	833	CLA	CBD-CGD-O2D-CED
14	A	833	CLA	C6-C7-C8-C9
14	A	835	CLA	C4B-C3B-CAB-CBB
14	A	837	CLA	C4B-C3B-CAB-CBB
14	A	837	CLA	CAD-CBD-CGD-O2D
14	A	839	CLA	CBD-CGD-O2D-CED
14	A	839	CLA	O1D-CGD-O2D-CED
14	A	841	CLA	CBD-CGD-O2D-CED
14	A	842	CLA	C1A-C2A-CAA-CBA
14	A	842	CLA	CBA-CGA-O2A-C1
14	A	842	CLA	O1A-CGA-O2A-C1
14	A	852	CLA	C4B-C3B-CAB-CBB
14	A	852	CLA	C4-C3-C5-C6
14	B	801	CLA	CBA-CGA-O2A-C1
14	B	801	CLA	O1A-CGA-O2A-C1
14	B	801	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	CBD-CGD-O2D-CED
14	B	804	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	805	CLA	CBD-CGD-O2D-CED
14	B	806	CLA	C2-C1-O2A-CGA
14	B	806	CLA	C6-C7-C8-C9
14	B	809	CLA	C4B-C3B-CAB-CBB
14	B	809	CLA	CHA-CBD-CGD-O1D
14	B	809	CLA	CHA-CBD-CGD-O2D
14	B	809	CLA	C11-C12-C13-C14
14	B	810	CLA	C2B-C3B-CAB-CBB
14	B	810	CLA	C4B-C3B-CAB-CBB
14	B	810	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	C3A-C2A-CAA-CBA
14	B	811	CLA	C2B-C3B-CAB-CBB
14	B	811	CLA	C4B-C3B-CAB-CBB
14	B	811	CLA	CAD-CBD-CGD-O1D
14	B	811	CLA	CAD-CBD-CGD-O2D
14	B	812	CLA	C2-C1-O2A-CGA
14	B	812	CLA	CBD-CGD-O2D-CED
14	B	813	CLA	CHA-CBD-CGD-O1D
14	B	813	CLA	CHA-CBD-CGD-O2D
14	B	813	CLA	C2-C3-C5-C6
14	B	813	CLA	C4-C3-C5-C6
14	B	814	CLA	CBD-CGD-O2D-CED
14	B	815	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBA-CGA-O2A-C1
14	B	817	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	CBD-CGD-O2D-CED
14	B	819	CLA	C1A-C2A-CAA-CBA
14	B	819	CLA	C2-C1-O2A-CGA
14	B	821	CLA	C4B-C3B-CAB-CBB
14	B	821	CLA	CHA-CBD-CGD-O1D
14	B	821	CLA	CHA-CBD-CGD-O2D
14	B	822	CLA	CBD-CGD-O2D-CED
14	B	822	CLA	O1D-CGD-O2D-CED
14	B	824	CLA	CHA-CBD-CGD-O1D
14	B	824	CLA	CHA-CBD-CGD-O2D
14	B	825	CLA	C3A-C2A-CAA-CBA
14	B	825	CLA	CBA-CGA-O2A-C1
14	B	825	CLA	O1A-CGA-O2A-C1
14	B	825	CLA	CHA-CBD-CGD-O1D
14	B	825	CLA	CHA-CBD-CGD-O2D
14	B	825	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	825	CLA	C4-C3-C5-C6
14	B	826	CLA	C1A-C2A-CAA-CBA
14	B	826	CLA	C3A-C2A-CAA-CBA
14	B	826	CLA	CHA-CBD-CGD-O1D
14	B	826	CLA	CHA-CBD-CGD-O2D
14	B	827	CLA	C1A-C2A-CAA-CBA
14	B	827	CLA	C3A-C2A-CAA-CBA
14	B	828	CLA	C1A-C2A-CAA-CBA
14	B	828	CLA	C3A-C2A-CAA-CBA
14	B	829	CLA	CHA-CBD-CGD-O1D
14	B	829	CLA	CHA-CBD-CGD-O2D
14	B	830	CLA	C2B-C3B-CAB-CBB
14	B	830	CLA	C4B-C3B-CAB-CBB
14	B	832	CLA	C3A-C2A-CAA-CBA
14	B	832	CLA	C2-C1-O2A-CGA
14	B	834	CLA	CBD-CGD-O2D-CED
14	B	835	CLA	CBD-CGD-O2D-CED
14	B	836	CLA	C2B-C3B-CAB-CBB
14	B	836	CLA	C4B-C3B-CAB-CBB
14	B	841	CLA	C2B-C3B-CAB-CBB
14	B	841	CLA	C4B-C3B-CAB-CBB
14	G	802	CLA	C2-C1-O2A-CGA
14	G	803	CLA	C4B-C3B-CAB-CBB
14	G	804	CLA	C1A-C2A-CAA-CBA
14	G	804	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	CAD-CBD-CGD-O1D
14	G	805	CLA	CAD-CBD-CGD-O2D
14	G	805	CLA	CBD-CGD-O2D-CED
14	G	806	CLA	CBA-CGA-O2A-C1
14	G	806	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	C2-C1-O2A-CGA
14	G	807	CLA	CBD-CGD-O2D-CED
14	G	807	CLA	C2-C3-C5-C6
14	G	807	CLA	C4-C3-C5-C6
14	G	808	CLA	C3A-C2A-CAA-CBA
14	G	808	CLA	CHA-CBD-CGD-O1D
14	G	808	CLA	CHA-CBD-CGD-O2D
14	G	810	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	C1A-C2A-CAA-CBA
14	G	811	CLA	C3A-C2A-CAA-CBA
14	G	811	CLA	C2B-C3B-CAB-CBB
14	G	811	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	813	CLA	CBD-CGD-O2D-CED
14	G	814	CLA	C1A-C2A-CAA-CBA
14	G	815	CLA	C2-C1-O2A-CGA
14	G	817	CLA	C2B-C3B-CAB-CBB
14	G	817	CLA	C4B-C3B-CAB-CBB
14	G	817	CLA	C2-C3-C5-C6
14	G	817	CLA	C4-C3-C5-C6
14	G	818	CLA	C3A-C2A-CAA-CBA
14	G	818	CLA	C2-C1-O2A-CGA
14	G	818	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	C3A-C2A-CAA-CBA
14	G	819	CLA	C2-C1-O2A-CGA
14	G	820	CLA	C3A-C2A-CAA-CBA
14	G	820	CLA	CHA-CBD-CGD-O2D
14	G	820	CLA	C2-C3-C5-C6
14	G	820	CLA	C4-C3-C5-C6
14	G	821	CLA	C1A-C2A-CAA-CBA
14	G	821	CLA	C4B-C3B-CAB-CBB
14	G	822	CLA	C2-C1-O2A-CGA
14	G	823	CLA	CBD-CGD-O2D-CED
14	G	824	CLA	C2B-C3B-CAB-CBB
14	G	824	CLA	C4B-C3B-CAB-CBB
14	G	826	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	C1A-C2A-CAA-CBA
14	G	828	CLA	C3A-C2A-CAA-CBA
14	G	829	CLA	C1A-C2A-CAA-CBA
14	G	829	CLA	C3A-C2A-CAA-CBA
14	G	830	CLA	C1A-C2A-CAA-CBA
14	G	830	CLA	C3A-C2A-CAA-CBA
14	G	832	CLA	C2B-C3B-CAB-CBB
14	G	832	CLA	C4B-C3B-CAB-CBB
14	G	833	CLA	C2-C1-O2A-CGA
14	G	833	CLA	C2B-C3B-CAB-CBB
14	G	833	CLA	C4B-C3B-CAB-CBB
14	G	833	CLA	CHA-CBD-CGD-O1D
14	G	833	CLA	CHA-CBD-CGD-O2D
14	G	835	CLA	C1A-C2A-CAA-CBA
14	G	837	CLA	CHA-CBD-CGD-O1D
14	G	837	CLA	CHA-CBD-CGD-O2D
14	G	837	CLA	CBD-CGD-O2D-CED
14	G	839	CLA	CBD-CGD-O2D-CED
14	G	840	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	841	CLA	C1A-C2A-CAA-CBA
14	G	842	CLA	O1A-CGA-O2A-C1
14	G	843	CLA	CBD-CGD-O2D-CED
14	H	801	CLA	C2B-C3B-CAB-CBB
14	H	801	CLA	C4B-C3B-CAB-CBB
14	H	801	CLA	CHA-CBD-CGD-O1D
14	H	801	CLA	CHA-CBD-CGD-O2D
14	H	801	CLA	CBD-CGD-O2D-CED
14	H	802	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	CBD-CGD-O2D-CED
14	H	804	CLA	C3A-C2A-CAA-CBA
14	H	806	CLA	C2B-C3B-CAB-CBB
14	H	806	CLA	C4B-C3B-CAB-CBB
14	H	806	CLA	CBD-CGD-O2D-CED
14	H	807	CLA	C4B-C3B-CAB-CBB
14	H	808	CLA	CBD-CGD-O2D-CED
14	H	809	CLA	CHA-CBD-CGD-O1D
14	H	809	CLA	CHA-CBD-CGD-O2D
14	H	810	CLA	C1A-C2A-CAA-CBA
14	H	810	CLA	C3A-C2A-CAA-CBA
14	H	810	CLA	CBD-CGD-O2D-CED
14	H	812	CLA	CBD-CGD-O2D-CED
14	H	814	CLA	C1A-C2A-CAA-CBA
14	H	814	CLA	C3A-C2A-CAA-CBA
14	H	814	CLA	C2B-C3B-CAB-CBB
14	H	814	CLA	C4B-C3B-CAB-CBB
14	H	814	CLA	CBD-CGD-O2D-CED
14	H	816	CLA	CBA-CGA-O2A-C1
14	H	816	CLA	O1A-CGA-O2A-C1
14	H	817	CLA	C3A-C2A-CAA-CBA
14	H	817	CLA	CBD-CGD-O2D-CED
14	H	818	CLA	C1A-C2A-CAA-CBA
14	H	818	CLA	C3A-C2A-CAA-CBA
14	H	818	CLA	C2-C1-O2A-CGA
14	H	819	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	CHA-CBD-CGD-O1D
14	H	819	CLA	CHA-CBD-CGD-O2D
14	H	820	CLA	CHA-CBD-CGD-O1D
14	H	820	CLA	CHA-CBD-CGD-O2D
14	H	821	CLA	CBD-CGD-O2D-CED
14	H	822	CLA	C4B-C3B-CAB-CBB
14	H	823	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	823	CLA	CHA-CBD-CGD-O2D
14	H	824	CLA	C1A-C2A-CAA-CBA
14	H	824	CLA	C3A-C2A-CAA-CBA
14	H	826	CLA	C3A-C2A-CAA-CBA
14	H	826	CLA	C4B-C3B-CAB-CBB
14	H	826	CLA	CBD-CGD-O2D-CED
14	H	827	CLA	C1A-C2A-CAA-CBA
14	H	827	CLA	C3A-C2A-CAA-CBA
14	H	828	CLA	CHA-CBD-CGD-O1D
14	H	828	CLA	CHA-CBD-CGD-O2D
14	H	829	CLA	CAD-CBD-CGD-O1D
14	H	829	CLA	CAD-CBD-CGD-O2D
14	H	830	CLA	C3A-C2A-CAA-CBA
14	H	830	CLA	C2B-C3B-CAB-CBB
14	H	830	CLA	C4B-C3B-CAB-CBB
14	H	831	CLA	C1A-C2A-CAA-CBA
14	H	831	CLA	C3A-C2A-CAA-CBA
14	H	831	CLA	CHA-CBD-CGD-O1D
14	H	831	CLA	CHA-CBD-CGD-O2D
14	H	832	CLA	C3A-C2A-CAA-CBA
14	H	832	CLA	CBD-CGD-O2D-CED
14	H	833	CLA	CBD-CGD-O2D-CED
14	H	834	CLA	C1A-C2A-CAA-CBA
14	H	835	CLA	C2B-C3B-CAB-CBB
14	H	835	CLA	C4B-C3B-CAB-CBB
14	H	837	CLA	CBD-CGD-O2D-CED
14	H	838	CLA	C1A-C2A-CAA-CBA
14	J	101	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	C1A-C2A-CAA-CBA
14	J	102	CLA	C3A-C2A-CAA-CBA
14	J	102	CLA	O1A-CGA-O2A-C1
14	J	102	CLA	CHA-CBD-CGD-O1D
14	J	102	CLA	CHA-CBD-CGD-O2D
14	K	101	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C3A-C2A-CAA-CBA
14	K	103	CLA	CHA-CBD-CGD-O1D
14	K	103	CLA	CHA-CBD-CGD-O2D
14	L	201	CLA	C2-C1-O2A-CGA
14	L	201	CLA	C2B-C3B-CAB-CBB
14	L	201	CLA	C4B-C3B-CAB-CBB
14	L	201	CLA	CHA-CBD-CGD-O1D
14	L	201	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	L	202	CLA	C2B-C3B-CAB-CBB
14	L	202	CLA	C4B-C3B-CAB-CBB
14	L	205	CLA	C1A-C2A-CAA-CBA
14	L	205	CLA	C3A-C2A-CAA-CBA
14	L	205	CLA	CAD-CBD-CGD-O1D
14	L	205	CLA	CAD-CBD-CGD-O2D
14	L	207	CLA	CBD-CGD-O2D-CED
14	Q	201	CLA	C1A-C2A-CAA-CBA
14	Q	201	CLA	C3A-C2A-CAA-CBA
14	Q	203	CLA	CBD-CGD-O2D-CED
14	S	1101	CLA	C1A-C2A-CAA-CBA
14	S	1101	CLA	C3A-C2A-CAA-CBA
14	S	1101	CLA	CHA-CBD-CGD-O1D
14	S	1101	CLA	CHA-CBD-CGD-O2D
14	S	1101	CLA	C6-C7-C8-C9
14	S	1103	CLA	C1A-C2A-CAA-CBA
14	S	1103	CLA	C3A-C2A-CAA-CBA
14	S	1103	CLA	CBA-CGA-O2A-C1
14	S	1103	CLA	O1A-CGA-O2A-C1
14	S	1103	CLA	CBD-CGD-O2D-CED
14	T	103	CLA	C2B-C3B-CAB-CBB
14	T	103	CLA	C4B-C3B-CAB-CBB
14	T	103	CLA	CHA-CBD-CGD-O1D
14	T	103	CLA	CHA-CBD-CGD-O2D
14	T	103	CLA	CBD-CGD-O2D-CED
14	U	1002	CLA	C1A-C2A-CAA-CBA
14	U	1002	CLA	C3A-C2A-CAA-CBA
14	U	1002	CLA	CAD-CBD-CGD-O1D
14	U	1002	CLA	CAD-CBD-CGD-O2D
14	U	1002	CLA	CBD-CGD-O2D-CED
14	U	1006	CLA	CHA-CBD-CGD-O1D
14	U	1006	CLA	CHA-CBD-CGD-O2D
14	V	1201	CLA	CHA-CBD-CGD-O1D
14	V	1201	CLA	CHA-CBD-CGD-O2D
14	V	1201	CLA	CBD-CGD-O2D-CED
14	W	1701	CLA	CBD-CGD-O2D-CED
14	Y	802	CLA	C2-C1-O2A-CGA
14	Y	803	CLA	C1A-C2A-CAA-CBA
14	Y	803	CLA	C2-C1-O2A-CGA
14	Y	804	CLA	C1A-C2A-CAA-CBA
14	Y	804	CLA	C3A-C2A-CAA-CBA
14	Y	804	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	Y	804	CLA	CHA-CBD-CGD-O2D
14	Y	805	CLA	C1A-C2A-CAA-CBA
14	Y	805	CLA	C3A-C2A-CAA-CBA
14	Y	805	CLA	C2B-C3B-CAB-CBB
14	Y	805	CLA	C4B-C3B-CAB-CBB
14	Y	806	CLA	C1A-C2A-CAA-CBA
14	Y	806	CLA	CBD-CGD-O2D-CED
14	Y	807	CLA	C2-C1-O2A-CGA
14	Y	807	CLA	CBD-CGD-O2D-CED
14	Y	807	CLA	C2-C3-C5-C6
14	Y	807	CLA	C4-C3-C5-C6
14	Y	808	CLA	C3A-C2A-CAA-CBA
14	Y	808	CLA	CHA-CBD-CGD-O1D
14	Y	808	CLA	CHA-CBD-CGD-O2D
14	Y	808	CLA	CBD-CGD-O2D-CED
14	Y	810	CLA	C1A-C2A-CAA-CBA
14	Y	810	CLA	C3A-C2A-CAA-CBA
14	Y	811	CLA	C1A-C2A-CAA-CBA
14	Y	811	CLA	C3A-C2A-CAA-CBA
14	Y	812	CLA	C1A-C2A-CAA-CBA
14	Y	812	CLA	C3A-C2A-CAA-CBA
14	Y	814	CLA	C1A-C2A-CAA-CBA
14	Y	814	CLA	C3A-C2A-CAA-CBA
14	Y	814	CLA	C2-C1-O2A-CGA
14	Y	816	CLA	C2B-C3B-CAB-CBB
14	Y	816	CLA	C4B-C3B-CAB-CBB
14	Y	817	CLA	C4B-C3B-CAB-CBB
14	Y	818	CLA	C1A-C2A-CAA-CBA
14	Y	818	CLA	C3A-C2A-CAA-CBA
14	Y	819	CLA	C1A-C2A-CAA-CBA
14	Y	819	CLA	C3A-C2A-CAA-CBA
14	Y	821	CLA	CBD-CGD-O2D-CED
14	Y	822	CLA	CBD-CGD-O2D-CED
14	Y	823	CLA	C1A-C2A-CAA-CBA
14	Y	823	CLA	C3A-C2A-CAA-CBA
14	Y	823	CLA	C2B-C3B-CAB-CBB
14	Y	823	CLA	C4B-C3B-CAB-CBB
14	Y	823	CLA	CBD-CGD-O2D-CED
14	Y	824	CLA	CBD-CGD-O2D-CED
14	Y	825	CLA	C2-C1-O2A-CGA
14	Y	825	CLA	CAD-CBD-CGD-O2D
14	Y	825	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Y	827	CLA	C11-C12-C13-C14
14	Y	828	CLA	C1A-C2A-CAA-CBA
14	Y	828	CLA	CBD-CGD-O2D-CED
14	Y	829	CLA	CBD-CGD-O2D-CED
14	Y	830	CLA	CHA-CBD-CGD-O1D
14	Y	830	CLA	CHA-CBD-CGD-O2D
14	Y	832	CLA	CBD-CGD-O2D-CED
14	Y	833	CLA	C2-C1-O2A-CGA
14	Y	833	CLA	C2B-C3B-CAB-CBB
14	Y	833	CLA	C4B-C3B-CAB-CBB
14	Y	833	CLA	CBD-CGD-O2D-CED
14	Y	833	CLA	C6-C7-C8-C9
14	Y	834	CLA	C2B-C3B-CAB-CBB
14	Y	834	CLA	C4B-C3B-CAB-CBB
14	Y	834	CLA	CHA-CBD-CGD-O1D
14	Y	834	CLA	CHA-CBD-CGD-O2D
14	Y	838	CLA	CHA-CBD-CGD-O1D
14	Y	838	CLA	CHA-CBD-CGD-O2D
14	Y	840	CLA	C1A-C2A-CAA-CBA
14	Y	840	CLA	C3A-C2A-CAA-CBA
14	Y	841	CLA	CBD-CGD-O2D-CED
14	Y	841	CLA	C4-C3-C5-C6
14	Y	842	CLA	CBA-CGA-O2A-C1
14	Y	842	CLA	O1A-CGA-O2A-C1
14	Y	842	CLA	CBD-CGD-O2D-CED
14	Y	843	CLA	C1A-C2A-CAA-CBA
14	Y	843	CLA	C3A-C2A-CAA-CBA
14	Y	843	CLA	CBA-CGA-O2A-C1
14	Y	843	CLA	O1A-CGA-O2A-C1
14	Y	854	CLA	CHA-CBD-CGD-O1D
14	Y	854	CLA	CHA-CBD-CGD-O2D
14	Z	801	CLA	C2-C1-O2A-CGA
14	Z	802	CLA	CBD-CGD-O2D-CED
14	Z	803	CLA	CHA-CBD-CGD-O1D
14	Z	803	CLA	CHA-CBD-CGD-O2D
14	Z	804	CLA	C1A-C2A-CAA-CBA
14	Z	804	CLA	C3A-C2A-CAA-CBA
14	Z	806	CLA	C2B-C3B-CAB-CBB
14	Z	806	CLA	C4B-C3B-CAB-CBB
14	Z	806	CLA	CBD-CGD-O2D-CED
14	Z	807	CLA	C2B-C3B-CAB-CBB
14	Z	807	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	Z	807	CLA	CHA-CBD-CGD-O1D
14	Z	807	CLA	CHA-CBD-CGD-O2D
14	Z	808	CLA	CBD-CGD-O2D-CED
14	Z	809	CLA	C1A-C2A-CAA-CBA
14	Z	809	CLA	C3A-C2A-CAA-CBA
14	Z	809	CLA	C2B-C3B-CAB-CBB
14	Z	809	CLA	C4B-C3B-CAB-CBB
14	Z	810	CLA	CBD-CGD-O2D-CED
14	Z	810	CLA	O1D-CGD-O2D-CED
14	Z	813	CLA	CBD-CGD-O2D-CED
14	Z	814	CLA	C2-C3-C5-C6
14	Z	814	CLA	C4-C3-C5-C6
14	Z	815	CLA	CBA-CGA-O2A-C1
14	Z	815	CLA	O1A-CGA-O2A-C1
14	Z	816	CLA	C3A-C2A-CAA-CBA
14	Z	816	CLA	CBA-CGA-O2A-C1
14	Z	816	CLA	O1A-CGA-O2A-C1
14	Z	816	CLA	C2B-C3B-CAB-CBB
14	Z	816	CLA	C4B-C3B-CAB-CBB
14	Z	818	CLA	C1A-C2A-CAA-CBA
14	Z	818	CLA	C3A-C2A-CAA-CBA
14	Z	819	CLA	CHA-CBD-CGD-O1D
14	Z	819	CLA	CHA-CBD-CGD-O2D
14	Z	820	CLA	CBD-CGD-O2D-CED
14	Z	822	CLA	CHA-CBD-CGD-O1D
14	Z	822	CLA	CHA-CBD-CGD-O2D
14	Z	822	CLA	CBD-CGD-O2D-CED
14	Z	823	CLA	CHA-CBD-CGD-O1D
14	Z	823	CLA	CHA-CBD-CGD-O2D
14	Z	824	CLA	C3A-C2A-CAA-CBA
14	Z	825	CLA	C3A-C2A-CAA-CBA
14	Z	825	CLA	CBD-CGD-O2D-CED
14	Z	826	CLA	C1A-C2A-CAA-CBA
14	Z	826	CLA	C3A-C2A-CAA-CBA
14	Z	826	CLA	CBD-CGD-O2D-CED
14	Z	827	CLA	CHA-CBD-CGD-O1D
14	Z	827	CLA	CHA-CBD-CGD-O2D
14	Z	827	CLA	CBD-CGD-O2D-CED
14	Z	830	CLA	C1A-C2A-CAA-CBA
14	Z	830	CLA	C3A-C2A-CAA-CBA
14	Z	831	CLA	C3A-C2A-CAA-CBA
14	Z	831	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	Z	831	CLA	CHA-CBD-CGD-O1D
14	Z	831	CLA	CHA-CBD-CGD-O2D
14	Z	832	CLA	C1A-C2A-CAA-CBA
14	Z	832	CLA	C3A-C2A-CAA-CBA
14	Z	832	CLA	CBD-CGD-O2D-CED
14	Z	833	CLA	C1A-C2A-CAA-CBA
14	Z	833	CLA	C3A-C2A-CAA-CBA
14	Z	833	CLA	C2B-C3B-CAB-CBB
14	Z	833	CLA	C4B-C3B-CAB-CBB
14	Z	833	CLA	CBD-CGD-O2D-CED
14	Z	833	CLA	O1D-CGD-O2D-CED
14	Z	835	CLA	C1A-C2A-CAA-CBA
14	Z	836	CLA	C2B-C3B-CAB-CBB
14	Z	836	CLA	C4B-C3B-CAB-CBB
14	Z	838	CLA	C14-C13-C15-C16
14	d	201	CLA	CBD-CGD-O2D-CED
14	d	202	CLA	CBD-CGD-O2D-CED
14	f	102	CLA	CBD-CGD-O2D-CED
14	g	101	CLA	C3A-C2A-CAA-CBA
14	g	102	CLA	CHA-CBD-CGD-O1D
14	g	102	CLA	CHA-CBD-CGD-O2D
14	h	205	CLA	C1A-C2A-CAA-CBA
14	h	205	CLA	C3A-C2A-CAA-CBA
14	h	205	CLA	CAD-CBD-CGD-O1D
14	h	205	CLA	CAD-CBD-CGD-O2D
14	h	205	CLA	CBD-CGD-O2D-CED
14	h	207	CLA	CBD-CGD-O2D-CED
17	A	845	BCR	C10-C11-C12-C13
17	A	845	BCR	C11-C12-C13-C14
17	A	845	BCR	C11-C12-C13-C35
17	A	846	BCR	C11-C10-C9-C8
17	A	846	BCR	C11-C10-C9-C34
17	A	846	BCR	C10-C11-C12-C13
17	A	846	BCR	C11-C12-C13-C14
17	A	846	BCR	C14-C15-C16-C17
17	A	847	BCR	C10-C11-C12-C13
17	A	848	BCR	C10-C11-C12-C13
17	A	848	BCR	C11-C12-C13-C14
17	A	848	BCR	C11-C12-C13-C35
17	A	849	BCR	C1-C6-C7-C8
17	A	849	BCR	C5-C6-C7-C8
17	A	849	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	B	843	BCR	C9-C10-C11-C12
17	B	843	BCR	C10-C11-C12-C13
17	B	844	BCR	C11-C10-C9-C8
17	B	844	BCR	C11-C10-C9-C34
17	B	844	BCR	C9-C10-C11-C12
17	B	844	BCR	C10-C11-C12-C13
17	B	844	BCR	C23-C24-C25-C26
17	B	845	BCR	C1-C6-C7-C8
17	B	845	BCR	C5-C6-C7-C8
17	B	845	BCR	C11-C10-C9-C8
17	B	845	BCR	C11-C10-C9-C34
17	B	845	BCR	C9-C10-C11-C12
17	B	847	BCR	C5-C6-C7-C8
17	B	847	BCR	C10-C11-C12-C13
17	B	848	BCR	C11-C10-C9-C8
17	B	848	BCR	C11-C10-C9-C34
17	B	848	BCR	C10-C11-C12-C13
17	B	851	BCR	C10-C11-C12-C13
17	B	851	BCR	C14-C15-C16-C17
17	F	201	BCR	C7-C8-C9-C10
17	F	201	BCR	C10-C11-C12-C13
17	F	201	BCR	C11-C12-C13-C14
17	F	201	BCR	C11-C12-C13-C35
17	F	201	BCR	C23-C24-C25-C26
17	F	201	BCR	C23-C24-C25-C30
17	F	203	BCR	C9-C10-C11-C12
17	F	203	BCR	C10-C11-C12-C13
17	F	203	BCR	C18-C19-C20-C21
17	G	846	BCR	C5-C6-C7-C8
17	G	846	BCR	C9-C10-C11-C12
17	G	846	BCR	C10-C11-C12-C13
17	G	846	BCR	C23-C24-C25-C26
17	G	846	BCR	C23-C24-C25-C30
17	G	847	BCR	C11-C10-C9-C8
17	G	847	BCR	C11-C10-C9-C34
17	G	847	BCR	C10-C11-C12-C13
17	G	847	BCR	C14-C15-C16-C17
17	G	847	BCR	C16-C17-C18-C36
17	G	848	BCR	C10-C11-C12-C13
17	G	848	BCR	C23-C24-C25-C26
17	G	849	BCR	C10-C11-C12-C13
17	G	850	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	G	850	BCR	C5-C6-C7-C8
17	G	850	BCR	C11-C10-C9-C8
17	G	850	BCR	C11-C10-C9-C34
17	G	850	BCR	C10-C11-C12-C13
17	G	854	BCR	C10-C11-C12-C13
17	G	854	BCR	C23-C24-C25-C26
17	H	840	BCR	C9-C10-C11-C12
17	H	840	BCR	C10-C11-C12-C13
17	H	840	BCR	C14-C15-C16-C17
17	H	840	BCR	C23-C24-C25-C26
17	H	840	BCR	C23-C24-C25-C30
17	H	841	BCR	C11-C10-C9-C8
17	H	841	BCR	C11-C10-C9-C34
17	H	841	BCR	C9-C10-C11-C12
17	H	841	BCR	C10-C11-C12-C13
17	H	841	BCR	C11-C12-C13-C14
17	H	841	BCR	C23-C24-C25-C26
17	H	842	BCR	C11-C10-C9-C8
17	H	842	BCR	C11-C10-C9-C34
17	H	842	BCR	C9-C10-C11-C12
17	H	842	BCR	C10-C11-C12-C13
17	H	844	BCR	C1-C6-C7-C8
17	H	844	BCR	C23-C24-C25-C26
17	H	845	BCR	C10-C11-C12-C13
17	H	845	BCR	C11-C12-C13-C14
17	H	845	BCR	C14-C15-C16-C17
17	H	848	BCR	C10-C11-C12-C13
17	H	848	BCR	C11-C12-C13-C14
17	H	848	BCR	C11-C12-C13-C35
17	H	848	BCR	C15-C16-C17-C18
17	I	101	BCR	C10-C11-C12-C13
17	I	101	BCR	C11-C12-C13-C14
17	I	101	BCR	C19-C20-C21-C22
17	J	103	BCR	C1-C6-C7-C8
17	J	104	BCR	C1-C6-C7-C8
17	J	104	BCR	C5-C6-C7-C8
17	J	104	BCR	C11-C10-C9-C8
17	J	104	BCR	C11-C10-C9-C34
17	J	104	BCR	C9-C10-C11-C12
17	J	104	BCR	C10-C11-C12-C13
17	J	104	BCR	C37-C22-C23-C24
17	K	102	BCR	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
17	K	102	BCR	C11-C10-C9-C34
17	K	102	BCR	C10-C11-C12-C13
17	K	102	BCR	C19-C20-C21-C22
17	L	203	BCR	C11-C10-C9-C8
17	L	203	BCR	C11-C10-C9-C34
17	L	203	BCR	C10-C11-C12-C13
17	L	203	BCR	C11-C12-C13-C14
17	L	203	BCR	C23-C24-C25-C26
17	L	203	BCR	C23-C24-C25-C30
17	L	208	BCR	C11-C10-C9-C8
17	L	208	BCR	C11-C10-C9-C34
17	L	208	BCR	C10-C11-C12-C13
17	L	208	BCR	C11-C12-C13-C14
17	L	208	BCR	C14-C15-C16-C17
17	L	208	BCR	C16-C17-C18-C36
17	L	209	BCR	C10-C11-C12-C13
17	L	209	BCR	C11-C12-C13-C14
17	L	209	BCR	C11-C12-C13-C35
17	M	101	BCR	C11-C10-C9-C34
17	M	101	BCR	C10-C11-C12-C13
17	M	101	BCR	C15-C16-C17-C18
17	Q	202	BCR	C11-C10-C9-C8
17	Q	202	BCR	C11-C10-C9-C34
17	Q	202	BCR	C10-C11-C12-C13
17	R	101	BCR	C11-C10-C9-C8
17	R	101	BCR	C11-C10-C9-C34
17	R	101	BCR	C10-C11-C12-C13
17	R	101	BCR	C21-C22-C23-C24
17	R	101	BCR	C23-C24-C25-C26
17	R	102	BCR	C1-C6-C7-C8
17	R	102	BCR	C5-C6-C7-C8
17	R	102	BCR	C7-C8-C9-C10
17	R	102	BCR	C11-C10-C9-C8
17	R	102	BCR	C11-C10-C9-C34
17	R	102	BCR	C10-C11-C12-C13
17	S	1104	BCR	C1-C6-C7-C8
17	S	1104	BCR	C5-C6-C7-C8
17	S	1104	BCR	C11-C10-C9-C8
17	S	1104	BCR	C11-C10-C9-C34
17	S	1104	BCR	C10-C11-C12-C13
17	S	1104	BCR	C19-C20-C21-C22
17	T	102	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	T	102	BCR	C37-C22-C23-C24
17	U	1005	BCR	C11-C10-C9-C8
17	U	1005	BCR	C11-C10-C9-C34
17	U	1005	BCR	C9-C10-C11-C12
17	U	1005	BCR	C10-C11-C12-C13
17	U	1005	BCR	C16-C17-C18-C36
17	U	1007	BCR	C11-C10-C9-C8
17	U	1007	BCR	C11-C10-C9-C34
17	U	1007	BCR	C11-C12-C13-C14
17	U	1007	BCR	C14-C15-C16-C17
17	U	1007	BCR	C21-C22-C23-C24
17	U	1007	BCR	C23-C24-C25-C26
17	U	1007	BCR	C23-C24-C25-C30
17	U	1008	BCR	C10-C11-C12-C13
17	U	1008	BCR	C11-C12-C13-C14
17	V	1202	BCR	C10-C11-C12-C13
17	V	1202	BCR	C11-C12-C13-C14
17	V	1202	BCR	C11-C12-C13-C35
17	Y	846	BCR	C11-C10-C9-C8
17	Y	846	BCR	C11-C10-C9-C34
17	Y	846	BCR	C9-C10-C11-C12
17	Y	846	BCR	C10-C11-C12-C13
17	Y	846	BCR	C18-C19-C20-C21
17	Y	847	BCR	C10-C11-C12-C13
17	Y	848	BCR	C11-C10-C9-C8
17	Y	848	BCR	C11-C10-C9-C34
17	Y	848	BCR	C10-C11-C12-C13
17	Y	848	BCR	C17-C18-C19-C20
17	Y	849	BCR	C10-C11-C12-C13
17	Y	849	BCR	C14-C15-C16-C17
17	Y	849	BCR	C17-C18-C19-C20
17	Y	850	BCR	C11-C10-C9-C8
17	Y	850	BCR	C11-C10-C9-C34
17	Y	851	BCR	C10-C11-C12-C13
17	Y	851	BCR	C11-C12-C13-C14
17	Y	856	BCR	C11-C10-C9-C8
17	Y	856	BCR	C10-C11-C12-C13
17	Y	856	BCR	C11-C12-C13-C14
17	Y	856	BCR	C14-C15-C16-C17
17	Y	856	BCR	C15-C16-C17-C18
17	Z	841	BCR	C11-C10-C9-C8
17	Z	841	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
17	Z	841	BCR	C10-C11-C12-C13
17	Z	841	BCR	C11-C12-C13-C14
17	Z	841	BCR	C14-C15-C16-C17
17	Z	841	BCR	C15-C16-C17-C18
17	Z	841	BCR	C21-C22-C23-C24
17	Z	841	BCR	C23-C24-C25-C26
17	Z	841	BCR	C23-C24-C25-C30
17	Z	842	BCR	C11-C10-C9-C8
17	Z	842	BCR	C11-C10-C9-C34
17	Z	842	BCR	C9-C10-C11-C12
17	Z	842	BCR	C10-C11-C12-C13
17	Z	843	BCR	C11-C10-C9-C8
17	Z	843	BCR	C11-C10-C9-C34
17	Z	844	BCR	C17-C18-C19-C20
17	Z	844	BCR	C18-C19-C20-C21
17	Z	844	BCR	C21-C22-C23-C24
17	Z	845	BCR	C1-C6-C7-C8
17	Z	845	BCR	C5-C6-C7-C8
17	Z	845	BCR	C10-C11-C12-C13
17	Z	846	BCR	C14-C15-C16-C17
17	Z	846	BCR	C16-C17-C18-C19
17	Z	846	BCR	C16-C17-C18-C36
17	d	203	BCR	C14-C15-C16-C17
17	d	203	BCR	C18-C19-C20-C21
17	e	101	BCR	C1-C6-C7-C8
17	e	101	BCR	C5-C6-C7-C8
17	e	101	BCR	C10-C11-C12-C13
17	f	103	BCR	C10-C11-C12-C13
17	f	103	BCR	C11-C12-C13-C14
17	f	103	BCR	C11-C12-C13-C35
17	f	104	BCR	C11-C10-C9-C8
17	f	104	BCR	C11-C10-C9-C34
17	f	104	BCR	C9-C10-C11-C12
17	f	104	BCR	C10-C11-C12-C13
17	f	104	BCR	C17-C18-C19-C20
17	f	105	BCR	C10-C11-C12-C13
17	f	105	BCR	C15-C16-C17-C18
17	h	202	BCR	C11-C10-C9-C34
17	h	202	BCR	C9-C10-C11-C12
17	h	202	BCR	C10-C11-C12-C13
17	h	202	BCR	C11-C12-C13-C14
17	h	203	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	h	203	BCR	C15-C16-C17-C18
17	i	101	BCR	C11-C10-C9-C8
17	i	101	BCR	C11-C10-C9-C34
17	i	101	BCR	C10-C11-C12-C13
17	i	101	BCR	C15-C16-C17-C18
18	A	850	LHG	O2-C2-C3-O3
18	A	850	LHG	C4-O6-P-O3
18	A	851	LHG	C3-O3-P-O5
18	A	851	LHG	C8-C7-O7-C5
18	B	850	LHG	O1-C1-C2-C3
18	B	850	LHG	C1-C2-C3-O3
18	B	850	LHG	C3-O3-P-O4
18	B	850	LHG	C3-O3-P-O6
18	B	850	LHG	O7-C5-C6-O8
18	B	850	LHG	C8-C7-O7-C5
18	G	851	LHG	C1-C2-C3-O3
18	G	851	LHG	C4-O6-P-O3
18	G	851	LHG	C4-O6-P-O4
18	G	852	LHG	C1-C2-C3-O3
18	G	852	LHG	C3-O3-P-O6
18	G	852	LHG	O9-C7-O7-C5
18	G	852	LHG	C8-C7-O7-C5
18	H	847	LHG	C4-O6-P-O3
18	H	847	LHG	C4-O6-P-O4
18	H	847	LHG	C4-O6-P-O5
18	Y	852	LHG	C1-C2-C3-O3
18	Y	852	LHG	C4-O6-P-O3
18	Y	852	LHG	C4-O6-P-O4
18	Y	852	LHG	C4-O6-P-O5
18	Y	852	LHG	O7-C5-C6-O8
18	Y	853	LHG	C3-O3-P-O4
18	Y	853	LHG	C3-O3-P-O5
18	Y	853	LHG	C3-O3-P-O6
18	Y	853	LHG	C4-O6-P-O3
18	Y	853	LHG	C4-O6-P-O4
18	Y	853	LHG	C4-O6-P-O5
18	j	101	LHG	C3-O3-P-O4
18	j	101	LHG	C4-O6-P-O3
14	Y	817	CLA	C4C-C3C-CAC-CBC
14	A	806	CLA	O1D-CGD-O2D-CED
14	A	811	CLA	O1D-CGD-O2D-CED
14	A	813	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	829	CLA	O1D-CGD-O2D-CED
14	A	834	CLA	O1D-CGD-O2D-CED
14	B	802	CLA	O1D-CGD-O2D-CED
14	B	804	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	O1D-CGD-O2D-CED
14	G	839	CLA	O1D-CGD-O2D-CED
14	H	802	CLA	O1D-CGD-O2D-CED
14	H	817	CLA	O1D-CGD-O2D-CED
14	H	833	CLA	O1D-CGD-O2D-CED
14	J	101	CLA	O1D-CGD-O2D-CED
14	Y	806	CLA	O1D-CGD-O2D-CED
14	Y	810	CLA	O1D-CGD-O2D-CED
14	Y	818	CLA	O1D-CGD-O2D-CED
14	Z	820	CLA	O1D-CGD-O2D-CED
14	Z	826	CLA	O1D-CGD-O2D-CED
14	B	841	CLA	C4C-C3C-CAC-CBC
14	Z	839	CLA	C4C-C3C-CAC-CBC
14	Y	817	CLA	C2C-C3C-CAC-CBC
13	Y	801	CL0	O1D-CGD-O2D-CED
14	A	807	CLA	O1D-CGD-O2D-CED
14	A	841	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	O1D-CGD-O2D-CED
14	B	835	CLA	O1D-CGD-O2D-CED
14	F	202	CLA	O1D-CGD-O2D-CED
14	G	803	CLA	O1D-CGD-O2D-CED
14	G	809	CLA	O1D-CGD-O2D-CED
14	G	823	CLA	O1D-CGD-O2D-CED
14	G	837	CLA	O1D-CGD-O2D-CED
14	H	803	CLA	O1D-CGD-O2D-CED
14	H	810	CLA	O1D-CGD-O2D-CED
14	H	812	CLA	O1D-CGD-O2D-CED
14	S	1102	CLA	O1D-CGD-O2D-CED
14	U	1002	CLA	O1D-CGD-O2D-CED
14	Y	807	CLA	O1D-CGD-O2D-CED
14	Y	824	CLA	O1D-CGD-O2D-CED
14	Y	840	CLA	O1D-CGD-O2D-CED
14	Y	842	CLA	O1D-CGD-O2D-CED
14	Y	843	CLA	O1D-CGD-O2D-CED
14	Z	802	CLA	O1D-CGD-O2D-CED
14	Z	809	CLA	O1D-CGD-O2D-CED
14	Z	832	CLA	O1D-CGD-O2D-CED
14	d	201	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	h	205	CLA	O1D-CGD-O2D-CED
18	Y	853	LHG	C8-C7-O7-C5
14	A	802	CLA	CBD-CGD-O2D-CED
14	A	805	CLA	CBD-CGD-O2D-CED
14	A	807	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	CBD-CGD-O2D-CED
14	A	811	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	CBD-CGD-O2D-CED
14	A	814	CLA	CBD-CGD-O2D-CED
14	A	815	CLA	CBD-CGD-O2D-CED
14	A	821	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	834	CLA	CBD-CGD-O2D-CED
14	A	840	CLA	CBD-CGD-O2D-CED
14	B	802	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CBD-CGD-O2D-CED
14	B	809	CLA	CBD-CGD-O2D-CED
14	B	816	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBD-CGD-O2D-CED
14	B	825	CLA	CBD-CGD-O2D-CED
14	B	827	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	CBD-CGD-O2D-CED
14	B	833	CLA	CBD-CGD-O2D-CED
14	B	837	CLA	CBD-CGD-O2D-CED
14	F	202	CLA	CBD-CGD-O2D-CED
14	G	803	CLA	CBD-CGD-O2D-CED
14	G	804	CLA	CBD-CGD-O2D-CED
14	G	808	CLA	CBD-CGD-O2D-CED
14	G	809	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	CBD-CGD-O2D-CED
14	G	821	CLA	CBD-CGD-O2D-CED
14	G	825	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	CBD-CGD-O2D-CED
14	G	834	CLA	CBD-CGD-O2D-CED
14	G	842	CLA	CBD-CGD-O2D-CED
14	G	853	CLA	CBD-CGD-O2D-CED
14	H	807	CLA	CBD-CGD-O2D-CED
14	H	820	CLA	CBD-CGD-O2D-CED
14	H	831	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	CBD-CGD-O2D-CED
14	H	838	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	K	103	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	CBD-CGD-O2D-CED
14	Q	201	CLA	CBD-CGD-O2D-CED
14	S	1102	CLA	CBD-CGD-O2D-CED
14	X	1701	CLA	CBD-CGD-O2D-CED
14	Y	809	CLA	CBD-CGD-O2D-CED
14	Y	810	CLA	CBD-CGD-O2D-CED
14	Y	811	CLA	CBD-CGD-O2D-CED
14	Y	813	CLA	CBD-CGD-O2D-CED
14	Y	815	CLA	CBD-CGD-O2D-CED
14	Y	817	CLA	CBD-CGD-O2D-CED
14	Y	818	CLA	CBD-CGD-O2D-CED
14	Y	819	CLA	CBD-CGD-O2D-CED
14	Y	835	CLA	CBD-CGD-O2D-CED
14	Y	840	CLA	CBD-CGD-O2D-CED
14	Y	843	CLA	CBD-CGD-O2D-CED
14	Y	855	CLA	CBD-CGD-O2D-CED
14	Z	805	CLA	CBD-CGD-O2D-CED
14	Z	809	CLA	CBD-CGD-O2D-CED
14	Z	816	CLA	CBD-CGD-O2D-CED
14	Z	829	CLA	CBD-CGD-O2D-CED
14	Z	838	CLA	CBD-CGD-O2D-CED
14	Z	839	CLA	CBD-CGD-O2D-CED
14	f	101	CLA	CBD-CGD-O2D-CED
14	B	833	CLA	O1A-CGA-O2A-C1
14	H	822	CLA	O1A-CGA-O2A-C1
14	H	824	CLA	O1A-CGA-O2A-C1
14	S	1101	CLA	O1A-CGA-O2A-C1
14	Y	815	CLA	O1A-CGA-O2A-C1
14	f	102	CLA	O1A-CGA-O2A-C1
14	B	841	CLA	C2C-C3C-CAC-CBC
14	Z	839	CLA	C2C-C3C-CAC-CBC
14	B	803	CLA	O1D-CGD-O2D-CED
14	H	821	CLA	O1D-CGD-O2D-CED
14	Y	832	CLA	O1D-CGD-O2D-CED
14	H	838	CLA	C4C-C3C-CAC-CBC
14	H	838	CLA	C2C-C3C-CAC-CBC
14	A	815	CLA	O1D-CGD-O2D-CED
14	A	823	CLA	O1D-CGD-O2D-CED
14	A	840	CLA	O1D-CGD-O2D-CED
14	B	817	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	821	CLA	O1D-CGD-O2D-CED
14	G	840	CLA	O1D-CGD-O2D-CED
14	G	853	CLA	O1D-CGD-O2D-CED
14	Y	855	CLA	O1D-CGD-O2D-CED
14	f	101	CLA	O1D-CGD-O2D-CED
14	H	822	CLA	CBA-CGA-O2A-C1
14	H	824	CLA	CBA-CGA-O2A-C1
14	H	838	CLA	CBA-CGA-O2A-C1
14	Y	815	CLA	CBA-CGA-O2A-C1
14	f	102	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	CBD-CGD-O2D-CED
14	B	838	CLA	CBD-CGD-O2D-CED
14	G	820	CLA	CBD-CGD-O2D-CED
14	H	816	CLA	CBD-CGD-O2D-CED
14	Y	816	CLA	CBD-CGD-O2D-CED
13	G	801	CL0	O1A-CGA-O2A-C1
14	A	820	CLA	O1A-CGA-O2A-C1
14	A	829	CLA	O1A-CGA-O2A-C1
14	A	831	CLA	O1A-CGA-O2A-C1
14	A	841	CLA	O1A-CGA-O2A-C1
14	B	812	CLA	O1A-CGA-O2A-C1
14	B	823	CLA	O1A-CGA-O2A-C1
14	G	802	CLA	O1A-CGA-O2A-C1
14	G	816	CLA	O1A-CGA-O2A-C1
14	G	820	CLA	O1A-CGA-O2A-C1
14	H	821	CLA	O1A-CGA-O2A-C1
14	H	838	CLA	O1A-CGA-O2A-C1
14	Y	829	CLA	O1A-CGA-O2A-C1
14	Y	832	CLA	O1A-CGA-O2A-C1
14	Z	811	CLA	O1A-CGA-O2A-C1
14	Z	823	CLA	O1A-CGA-O2A-C1
14	A	802	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	O1D-CGD-O2D-CED
14	A	821	CLA	O1D-CGD-O2D-CED
14	B	818	CLA	O1D-CGD-O2D-CED
14	B	827	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	O1D-CGD-O2D-CED
14	G	811	CLA	O1D-CGD-O2D-CED
14	H	808	CLA	O1D-CGD-O2D-CED
14	H	837	CLA	O1D-CGD-O2D-CED
14	S	1103	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Y	823	CLA	O1D-CGD-O2D-CED
14	Y	825	CLA	O1D-CGD-O2D-CED
14	Z	838	CLA	O1D-CGD-O2D-CED
14	f	102	CLA	O1D-CGD-O2D-CED
14	h	207	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	O1D-CGD-O2D-CED
14	A	810	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	O1D-CGD-O2D-CED
14	A	833	CLA	O1D-CGD-O2D-CED
14	B	801	CLA	O1D-CGD-O2D-CED
14	B	814	CLA	O1D-CGD-O2D-CED
14	G	805	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	O1D-CGD-O2D-CED
14	G	818	CLA	O1D-CGD-O2D-CED
14	G	826	CLA	O1D-CGD-O2D-CED
14	H	806	CLA	O1D-CGD-O2D-CED
14	H	814	CLA	O1D-CGD-O2D-CED
14	H	826	CLA	O1D-CGD-O2D-CED
14	H	832	CLA	O1D-CGD-O2D-CED
14	L	207	CLA	O1D-CGD-O2D-CED
14	Q	203	CLA	O1D-CGD-O2D-CED
14	Y	808	CLA	O1D-CGD-O2D-CED
14	Y	821	CLA	O1D-CGD-O2D-CED
14	Y	822	CLA	O1D-CGD-O2D-CED
14	Y	828	CLA	O1D-CGD-O2D-CED
14	Y	829	CLA	O1D-CGD-O2D-CED
14	Y	833	CLA	O1D-CGD-O2D-CED
14	Y	841	CLA	O1D-CGD-O2D-CED
14	Z	806	CLA	O1D-CGD-O2D-CED
14	Z	808	CLA	O1D-CGD-O2D-CED
14	Z	813	CLA	O1D-CGD-O2D-CED
14	Z	822	CLA	O1D-CGD-O2D-CED
14	d	202	CLA	O1D-CGD-O2D-CED
14	H	812	CLA	C8-C10-C11-C12
15	Y	844	PQN	C18-C20-C21-C22
14	A	820	CLA	CBD-CGD-O2D-CED
14	H	828	CLA	CBD-CGD-O2D-CED
14	Y	854	CLA	CBD-CGD-O2D-CED
14	Z	823	CLA	CBD-CGD-O2D-CED
14	B	813	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	A	851	LHG	O9-C7-O7-C5
18	B	850	LHG	O9-C7-O7-C5
18	Y	852	LHG	O9-C7-O7-C5
14	A	809	CLA	C3-C5-C6-C7
14	A	834	CLA	C3-C5-C6-C7
14	B	805	CLA	C3-C5-C6-C7
14	B	827	CLA	C3-C5-C6-C7
14	B	833	CLA	C3-C5-C6-C7
14	B	838	CLA	C3-C5-C6-C7
14	G	818	CLA	C3-C5-C6-C7
14	G	822	CLA	C3-C5-C6-C7
14	G	832	CLA	C3-C5-C6-C7
14	H	807	CLA	C3-C5-C6-C7
14	H	809	CLA	C3-C5-C6-C7
14	H	810	CLA	C3-C5-C6-C7
14	H	816	CLA	C3-C5-C6-C7
14	H	825	CLA	C3-C5-C6-C7
14	H	826	CLA	C3-C5-C6-C7
14	L	205	CLA	C3-C5-C6-C7
14	U	1004	CLA	C3-C5-C6-C7
14	Y	803	CLA	C3-C5-C6-C7
14	Y	813	CLA	C3-C5-C6-C7
14	Y	822	CLA	C3-C5-C6-C7
14	Y	842	CLA	C3-C5-C6-C7
14	Z	801	CLA	C3-C5-C6-C7
14	Z	805	CLA	C3-C5-C6-C7
14	Z	806	CLA	C3-C5-C6-C7
14	Z	807	CLA	C3-C5-C6-C7
14	Z	814	CLA	C3-C5-C6-C7
14	Z	824	CLA	C3-C5-C6-C7
14	Z	836	CLA	C3-C5-C6-C7
14	h	206	CLA	C3-C5-C6-C7
14	G	843	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	CBA-CGA-O2A-C1
14	A	841	CLA	CBA-CGA-O2A-C1
14	B	833	CLA	CBA-CGA-O2A-C1
14	G	802	CLA	CBA-CGA-O2A-C1
14	G	816	CLA	CBA-CGA-O2A-C1
14	G	820	CLA	CBA-CGA-O2A-C1
14	G	842	CLA	CBA-CGA-O2A-C1
14	H	821	CLA	CBA-CGA-O2A-C1
14	S	1101	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	Y	832	CLA	CBA-CGA-O2A-C1
14	Y	835	CLA	CBA-CGA-O2A-C1
14	Z	811	CLA	CBA-CGA-O2A-C1
14	Z	823	CLA	CBA-CGA-O2A-C1
14	h	207	CLA	CBA-CGA-O2A-C1
18	Y	853	LHG	C24-C23-O8-C6
14	A	842	CLA	CBD-CGD-O2D-CED
14	B	824	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	CBD-CGD-O2D-CED
14	B	836	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	CBD-CGD-O2D-CED
14	H	815	CLA	CBD-CGD-O2D-CED
14	H	830	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	CBD-CGD-O2D-CED
14	S	1101	CLA	CBD-CGD-O2D-CED
14	U	1004	CLA	CBD-CGD-O2D-CED
14	Y	802	CLA	CBD-CGD-O2D-CED
14	Z	803	CLA	CBD-CGD-O2D-CED
14	Z	819	CLA	CBD-CGD-O2D-CED
14	Z	828	CLA	CBD-CGD-O2D-CED
14	Z	834	CLA	CBD-CGD-O2D-CED
14	Z	835	CLA	CBD-CGD-O2D-CED
14	Z	836	CLA	CBD-CGD-O2D-CED
14	g	102	CLA	CBD-CGD-O2D-CED
14	h	201	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	O1D-CGD-O2D-CED
14	B	815	CLA	O1D-CGD-O2D-CED
14	G	813	CLA	O1D-CGD-O2D-CED
14	H	801	CLA	O1D-CGD-O2D-CED
14	K	103	CLA	O1D-CGD-O2D-CED
14	T	103	CLA	O1D-CGD-O2D-CED
14	V	1201	CLA	O1D-CGD-O2D-CED
14	W	1701	CLA	O1D-CGD-O2D-CED
14	Z	805	CLA	O1D-CGD-O2D-CED
14	Z	825	CLA	O1D-CGD-O2D-CED
14	Z	827	CLA	O1D-CGD-O2D-CED
14	A	838	CLA	O1A-CGA-O2A-C1
14	Y	804	CLA	O1A-CGA-O2A-C1
14	Z	827	CLA	O1A-CGA-O2A-C1
14	G	810	CLA	C2C-C3C-CAC-CBC
14	G	824	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	B	805	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	C4-C3-C5-C6
14	A	820	CLA	C4-C3-C5-C6
14	A	841	CLA	C4-C3-C5-C6
14	B	807	CLA	C4-C3-C5-C6
14	B	824	CLA	C4-C3-C5-C6
14	G	830	CLA	C4-C3-C5-C6
14	G	842	CLA	C4-C3-C5-C6
14	H	802	CLA	C4-C3-C5-C6
14	H	823	CLA	C4-C3-C5-C6
14	H	824	CLA	C4-C3-C5-C6
14	H	827	CLA	C4-C3-C5-C6
14	S	1103	CLA	C4-C3-C5-C6
14	Y	812	CLA	C4-C3-C5-C6
14	Y	832	CLA	C4-C3-C5-C6
14	Y	838	CLA	C4-C3-C5-C6
14	Z	805	CLA	C4-C3-C5-C6
14	Z	809	CLA	C4-C3-C5-C6
14	Z	816	CLA	C4-C3-C5-C6
14	Z	822	CLA	C4-C3-C5-C6
13	G	801	CL0	C2-C3-C5-C6
14	A	820	CLA	C2-C3-C5-C6
14	A	841	CLA	C2-C3-C5-C6
14	A	852	CLA	C2-C3-C5-C6
14	B	807	CLA	C2-C3-C5-C6
14	B	824	CLA	C2-C3-C5-C6
14	G	830	CLA	C2-C3-C5-C6
14	H	802	CLA	C2-C3-C5-C6
14	H	823	CLA	C2-C3-C5-C6
14	S	1103	CLA	C2-C3-C5-C6
14	Y	812	CLA	C2-C3-C5-C6
14	Y	832	CLA	C2-C3-C5-C6
14	Y	838	CLA	C2-C3-C5-C6
14	Y	841	CLA	C2-C3-C5-C6
14	Z	805	CLA	C2-C3-C5-C6
14	Z	809	CLA	C2-C3-C5-C6
14	Z	816	CLA	C2-C3-C5-C6
14	Z	822	CLA	C2-C3-C5-C6
14	G	810	CLA	C4C-C3C-CAC-CBC
14	G	824	CLA	C4C-C3C-CAC-CBC
14	Y	824	CLA	C2C-C3C-CAC-CBC
14	G	812	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Y	834	CLA	CBD-CGD-O2D-CED
14	G	829	CLA	O1D-CGD-O2D-CED
14	G	834	CLA	O1D-CGD-O2D-CED
14	H	807	CLA	O1D-CGD-O2D-CED
14	H	831	CLA	O1D-CGD-O2D-CED
14	H	835	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	Z	816	CLA	O1D-CGD-O2D-CED
14	A	805	CLA	C2A-CAA-CBA-CGA
14	G	833	CLA	C2A-CAA-CBA-CGA
14	Q	201	CLA	C2A-CAA-CBA-CGA
14	A	834	CLA	O1A-CGA-O2A-C1
14	Y	835	CLA	O1A-CGA-O2A-C1
14	A	808	CLA	C3-C5-C6-C7
14	B	801	CLA	C3-C5-C6-C7
14	B	806	CLA	C3-C5-C6-C7
14	B	817	CLA	C3-C5-C6-C7
14	G	826	CLA	C3-C5-C6-C7
14	G	827	CLA	C3-C5-C6-C7
14	H	802	CLA	C3-C5-C6-C7
14	H	837	CLA	C3-C5-C6-C7
14	L	206	CLA	C3-C5-C6-C7
14	Y	808	CLA	C3-C5-C6-C7
13	G	801	CL0	CBA-CGA-O2A-C1
14	A	820	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	CBA-CGA-O2A-C1
14	A	829	CLA	CBA-CGA-O2A-C1
14	A	831	CLA	CBA-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
14	B	812	CLA	CBA-CGA-O2A-C1
14	B	823	CLA	CBA-CGA-O2A-C1
14	H	804	CLA	CBA-CGA-O2A-C1
14	J	102	CLA	CBA-CGA-O2A-C1
14	U	1002	CLA	CBA-CGA-O2A-C1
14	Y	803	CLA	CBA-CGA-O2A-C1
14	Y	829	CLA	CBA-CGA-O2A-C1
14	h	201	CLA	CBA-CGA-O2A-C1
17	A	845	BCR	C9-C10-C11-C12
17	A	846	BCR	C9-C10-C11-C12
17	A	846	BCR	C15-C16-C17-C18
17	B	843	BCR	C15-C16-C17-C18
17	B	844	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
17	B	851	BCR	C15-C16-C17-C18
17	G	846	BCR	C15-C16-C17-C18
17	H	840	BCR	C15-C16-C17-C18
17	H	841	BCR	C15-C16-C17-C18
17	H	848	BCR	C9-C10-C11-C12
17	J	103	BCR	C9-C10-C11-C12
17	J	103	BCR	C15-C16-C17-C18
17	M	101	BCR	C9-C10-C11-C12
17	Q	204	BCR	C9-C10-C11-C12
17	R	101	BCR	C19-C20-C21-C22
17	T	102	BCR	C19-C20-C21-C22
17	U	1007	BCR	C15-C16-C17-C18
17	V	1202	BCR	C9-C10-C11-C12
17	Y	847	BCR	C15-C16-C17-C18
17	Y	849	BCR	C9-C10-C11-C12
17	Z	846	BCR	C15-C16-C17-C18
17	d	203	BCR	C9-C10-C11-C12
17	d	203	BCR	C19-C20-C21-C22
17	f	103	BCR	C9-C10-C11-C12
17	f	105	BCR	C9-C10-C11-C12
17	i	101	BCR	C9-C10-C11-C12
14	A	811	CLA	O1A-CGA-O2A-C1
14	A	816	CLA	O1A-CGA-O2A-C1
14	G	839	CLA	O1A-CGA-O2A-C1
14	L	207	CLA	O1A-CGA-O2A-C1
14	U	1003	CLA	O1A-CGA-O2A-C1
14	Y	807	CLA	O1A-CGA-O2A-C1
14	h	201	CLA	O1A-CGA-O2A-C1
18	Y	853	LHG	O10-C23-O8-C6
14	A	832	CLA	C2C-C3C-CAC-CBC
14	G	842	CLA	O1D-CGD-O2D-CED
14	Z	829	CLA	O1D-CGD-O2D-CED
19	H	846	LMG	C35-C36-C37-C38
19	Z	847	LMG	C35-C36-C37-C38
14	T	101	CLA	C2C-C3C-CAC-CBC
14	G	804	CLA	O1D-CGD-O2D-CED
14	Q	201	CLA	O1D-CGD-O2D-CED
14	Y	809	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	O1D-CGD-O2D-CED
14	A	821	CLA	C3-C5-C6-C7
14	A	828	CLA	C3-C5-C6-C7
14	B	813	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	C3-C5-C6-C7
14	G	821	CLA	C3-C5-C6-C7
14	G	828	CLA	C3-C5-C6-C7
14	G	837	CLA	C3-C5-C6-C7
14	H	812	CLA	C3-C5-C6-C7
14	H	822	CLA	C3-C5-C6-C7
14	L	202	CLA	C3-C5-C6-C7
14	U	1002	CLA	C3-C5-C6-C7
14	Y	806	CLA	C3-C5-C6-C7
14	Y	824	CLA	C3-C5-C6-C7
14	Y	827	CLA	C3-C5-C6-C7
14	Z	815	CLA	C3-C5-C6-C7
14	Z	823	CLA	C3-C5-C6-C7
14	A	828	CLA	CBD-CGD-O2D-CED
14	G	831	CLA	CBD-CGD-O2D-CED
14	G	832	CLA	CBD-CGD-O2D-CED
14	G	841	CLA	CBD-CGD-O2D-CED
14	L	201	CLA	CBD-CGD-O2D-CED
14	Y	839	CLA	CBD-CGD-O2D-CED
14	Z	801	CLA	CBD-CGD-O2D-CED
19	B	849	LMG	C20-C21-C22-C23
19	B	849	LMG	C35-C36-C37-C38
18	j	101	LHG	C5-C6-O8-C23
18	B	850	LHG	O2-C2-C3-O3
18	G	851	LHG	O2-C2-C3-O3
18	G	852	LHG	O2-C2-C3-O3
18	Y	852	LHG	O2-C2-C3-O3
14	A	814	CLA	O1D-CGD-O2D-CED
14	B	825	CLA	O1D-CGD-O2D-CED
14	G	825	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	O1D-CGD-O2D-CED
14	H	820	CLA	O1D-CGD-O2D-CED
14	H	838	CLA	O1D-CGD-O2D-CED
14	L	205	CLA	O1D-CGD-O2D-CED
14	A	803	CLA	CBA-CGA-O2A-C1
14	A	811	CLA	CBA-CGA-O2A-C1
14	A	828	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	CBA-CGA-O2A-C1
14	B	802	CLA	CBA-CGA-O2A-C1
14	B	806	CLA	CBA-CGA-O2A-C1
14	B	813	CLA	CBA-CGA-O2A-C1
14	B	816	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	832	CLA	CBA-CGA-O2A-C1
14	G	812	CLA	CBA-CGA-O2A-C1
14	G	831	CLA	CBA-CGA-O2A-C1
14	G	839	CLA	CBA-CGA-O2A-C1
14	H	834	CLA	CBA-CGA-O2A-C1
14	L	205	CLA	CBA-CGA-O2A-C1
14	L	206	CLA	CBA-CGA-O2A-C1
14	L	207	CLA	CBA-CGA-O2A-C1
14	Y	804	CLA	CBA-CGA-O2A-C1
14	Y	807	CLA	CBA-CGA-O2A-C1
14	Z	814	CLA	CBA-CGA-O2A-C1
14	Z	835	CLA	CBA-CGA-O2A-C1
14	h	206	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	O1A-CGA-O2A-C1
14	A	832	CLA	O1A-CGA-O2A-C1
14	G	812	CLA	O1A-CGA-O2A-C1
14	H	804	CLA	O1A-CGA-O2A-C1
14	U	1002	CLA	O1A-CGA-O2A-C1
14	Y	803	CLA	O1A-CGA-O2A-C1
14	h	207	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	O1D-CGD-O2D-CED
14	Y	817	CLA	O1D-CGD-O2D-CED
14	Z	839	CLA	O1D-CGD-O2D-CED
14	B	820	CLA	CBD-CGD-O2D-CED
14	H	829	CLA	CBD-CGD-O2D-CED
18	Y	852	LHG	C8-C7-O7-C5
14	A	812	CLA	O1D-CGD-O2D-CED
14	B	816	CLA	O1D-CGD-O2D-CED
14	B	833	CLA	O1D-CGD-O2D-CED
14	G	808	CLA	O1D-CGD-O2D-CED
14	A	803	CLA	C3-C5-C6-C7
14	A	827	CLA	C3-C5-C6-C7
14	A	852	CLA	C3-C5-C6-C7
14	B	808	CLA	C3-C5-C6-C7
14	B	822	CLA	C3-C5-C6-C7
14	G	812	CLA	C3-C5-C6-C7
14	G	817	CLA	C3-C5-C6-C7
14	V	1201	CLA	C3-C5-C6-C7
14	Y	809	CLA	C3-C5-C6-C7
14	Z	809	CLA	C3-C5-C6-C7
14	H	825	CLA	CBD-CGD-O2D-CED
14	Z	830	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	809	CLA	O1D-CGD-O2D-CED
14	B	837	CLA	O1D-CGD-O2D-CED
14	Y	811	CLA	O1D-CGD-O2D-CED
14	Y	815	CLA	O1D-CGD-O2D-CED
14	Z	828	CLA	O1D-CGD-O2D-CED
14	A	832	CLA	CBA-CGA-O2A-C1
14	B	829	CLA	CBA-CGA-O2A-C1
14	U	1003	CLA	CBA-CGA-O2A-C1
14	Z	827	CLA	CBA-CGA-O2A-C1
14	A	817	CLA	C4-C3-C5-C6
14	A	840	CLA	C4-C3-C5-C6
14	B	805	CLA	C4-C3-C5-C6
14	B	814	CLA	C4-C3-C5-C6
14	A	817	CLA	C2-C3-C5-C6
14	A	840	CLA	C2-C3-C5-C6
14	B	814	CLA	C2-C3-C5-C6
14	G	841	CLA	C2-C3-C5-C6
14	G	842	CLA	C2-C3-C5-C6
14	H	824	CLA	C2-C3-C5-C6
14	H	827	CLA	C2-C3-C5-C6
14	J	102	CLA	C2-C3-C5-C6
14	B	806	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	O1A-CGA-O2A-C1
14	L	205	CLA	O1A-CGA-O2A-C1
14	L	206	CLA	O1A-CGA-O2A-C1
14	Y	824	CLA	C4C-C3C-CAC-CBC
19	Z	847	LMG	O6-C5-C6-O5
14	B	821	CLA	CBD-CGD-O2D-CED
14	Z	811	CLA	CBD-CGD-O2D-CED
14	G	830	CLA	C13-C15-C16-C17
14	H	808	CLA	C15-C16-C17-C18
18	B	850	LHG	C2-C3-O3-P
14	H	810	CLA	C2A-CAA-CBA-CGA
14	Y	813	CLA	O1D-CGD-O2D-CED
14	Y	816	CLA	O1D-CGD-O2D-CED
14	Y	835	CLA	O1D-CGD-O2D-CED
14	A	803	CLA	O1A-CGA-O2A-C1
14	B	816	CLA	O1A-CGA-O2A-C1
14	G	831	CLA	O1A-CGA-O2A-C1
14	Z	814	CLA	O1A-CGA-O2A-C1
14	Z	835	CLA	O1A-CGA-O2A-C1
14	h	206	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A	809	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	CBA-CGA-O2A-C1
14	G	833	CLA	CBA-CGA-O2A-C1
14	V	1201	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	CBD-CGD-O2D-CED
14	A	817	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	CBD-CGD-O2D-CED
14	B	830	CLA	CBD-CGD-O2D-CED
14	G	802	CLA	CBD-CGD-O2D-CED
14	G	806	CLA	CBD-CGD-O2D-CED
14	H	809	CLA	CBD-CGD-O2D-CED
14	Y	803	CLA	CBD-CGD-O2D-CED
14	Y	804	CLA	CBD-CGD-O2D-CED
14	Y	812	CLA	CBD-CGD-O2D-CED
14	Z	831	CLA	CBD-CGD-O2D-CED
19	B	849	LMG	O6-C5-C6-O5
14	B	814	CLA	C2C-C3C-CAC-CBC
14	V	1201	CLA	C2C-C3C-CAC-CBC
14	A	828	CLA	O1A-CGA-O2A-C1
14	B	802	CLA	O1A-CGA-O2A-C1
14	G	833	CLA	O1A-CGA-O2A-C1
14	H	834	CLA	O1A-CGA-O2A-C1
19	H	846	LMG	O6-C5-C6-O5
14	Z	823	CLA	O1D-CGD-O2D-CED
18	Y	852	LHG	C13-C14-C15-C16
14	B	841	CLA	CBD-CGD-O2D-CED
14	Z	807	CLA	CBD-CGD-O2D-CED
14	Z	814	CLA	CBD-CGD-O2D-CED
14	A	832	CLA	C4C-C3C-CAC-CBC
14	S	1101	CLA	C2C-C3C-CAC-CBC
17	F	203	BCR	C19-C20-C21-C22
17	K	102	BCR	C9-C10-C11-C12
17	L	208	BCR	C15-C16-C17-C18
17	U	1005	BCR	C15-C16-C17-C18
17	U	1007	BCR	C9-C10-C11-C12
17	Y	849	BCR	C15-C16-C17-C18
17	Z	844	BCR	C19-C20-C21-C22
17	d	203	BCR	C15-C16-C17-C18
14	Y	812	CLA	O1A-CGA-O2A-C1
14	Y	819	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	A	850	LHG	C1-C2-C3-O3
14	A	804	CLA	CBA-CGA-O2A-C1
14	A	805	CLA	CBA-CGA-O2A-C1
14	A	808	CLA	CBA-CGA-O2A-C1
14	A	837	CLA	CBA-CGA-O2A-C1
14	B	805	CLA	CBA-CGA-O2A-C1
14	B	814	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	CBA-CGA-O2A-C1
14	B	819	CLA	CBA-CGA-O2A-C1
14	B	828	CLA	CBA-CGA-O2A-C1
14	G	808	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	CBA-CGA-O2A-C1
14	G	822	CLA	CBA-CGA-O2A-C1
14	G	826	CLA	CBA-CGA-O2A-C1
14	G	834	CLA	CBA-CGA-O2A-C1
14	H	812	CLA	CBA-CGA-O2A-C1
14	H	813	CLA	CBA-CGA-O2A-C1
14	H	815	CLA	CBA-CGA-O2A-C1
14	H	817	CLA	CBA-CGA-O2A-C1
14	H	818	CLA	CBA-CGA-O2A-C1
14	U	1004	CLA	CBA-CGA-O2A-C1
14	Y	808	CLA	CBA-CGA-O2A-C1
14	Y	811	CLA	CBA-CGA-O2A-C1
14	Y	812	CLA	CBA-CGA-O2A-C1
14	Y	813	CLA	CBA-CGA-O2A-C1
14	Y	819	CLA	CBA-CGA-O2A-C1
14	Y	820	CLA	CBA-CGA-O2A-C1
14	Y	821	CLA	CBA-CGA-O2A-C1
14	Y	822	CLA	CBA-CGA-O2A-C1
14	Y	830	CLA	CBA-CGA-O2A-C1
14	Z	812	CLA	CBA-CGA-O2A-C1
14	Z	839	CLA	CBA-CGA-O2A-C1
14	L	202	CLA	CBD-CGD-O2D-CED
14	j	102	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	C2C-C3C-CAC-CBC
14	A	820	CLA	O1D-CGD-O2D-CED
14	B	838	CLA	O1D-CGD-O2D-CED
14	H	816	CLA	O1D-CGD-O2D-CED
14	Z	835	CLA	O1D-CGD-O2D-CED
14	g	102	CLA	O1D-CGD-O2D-CED
18	H	847	LHG	C25-C26-C27-C28
14	A	818	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	828	CLA	C4-C3-C5-C6
14	G	841	CLA	C4-C3-C5-C6
14	J	102	CLA	C4-C3-C5-C6
14	A	818	CLA	C2-C3-C5-C6
14	B	805	CLA	C2-C3-C5-C6
14	B	828	CLA	C2-C3-C5-C6
14	G	812	CLA	C2-C3-C5-C6
14	A	812	CLA	C2C-C3C-CAC-CBC
13	A	801	CL0	C3-C5-C6-C7
14	B	816	CLA	C3-C5-C6-C7
14	H	818	CLA	C3-C5-C6-C7
14	Z	815	CLA	CBD-CGD-O2D-CED
14	A	803	CLA	C6-C7-C8-C9
14	A	808	CLA	C14-C13-C15-C16
14	A	813	CLA	C6-C7-C8-C9
14	A	818	CLA	C11-C12-C13-C14
14	A	826	CLA	C6-C7-C8-C9
14	A	827	CLA	C11-C12-C13-C14
14	A	830	CLA	C6-C7-C8-C9
14	A	832	CLA	C11-C12-C13-C14
14	B	801	CLA	C6-C7-C8-C9
14	B	801	CLA	C11-C12-C13-C14
14	B	803	CLA	C11-C12-C13-C14
14	B	829	CLA	C11-C12-C13-C14
14	G	804	CLA	C6-C7-C8-C9
14	G	809	CLA	C6-C7-C8-C9
14	G	818	CLA	C11-C12-C13-C14
14	G	827	CLA	C14-C13-C15-C16
14	G	839	CLA	C11-C12-C13-C14
14	H	802	CLA	C11-C12-C13-C14
14	H	803	CLA	C14-C13-C15-C16
14	H	804	CLA	C6-C7-C8-C9
14	H	809	CLA	C6-C7-C8-C9
14	H	813	CLA	C11-C12-C13-C14
14	H	824	CLA	C11-C10-C8-C9
14	H	824	CLA	C14-C13-C15-C16
14	H	828	CLA	C11-C12-C13-C14
14	H	837	CLA	C14-C13-C15-C16
14	L	202	CLA	C6-C7-C8-C9
14	L	206	CLA	C6-C7-C8-C9
14	L	207	CLA	C6-C7-C8-C9
14	S	1101	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	Y	803	CLA	C6-C7-C8-C9
14	Y	804	CLA	C6-C7-C8-C9
14	Y	809	CLA	C6-C7-C8-C9
14	Y	830	CLA	C6-C7-C8-C9
14	Y	832	CLA	C11-C12-C13-C14
14	Y	855	CLA	C6-C7-C8-C9
14	Z	801	CLA	C6-C7-C8-C9
14	Z	801	CLA	C11-C10-C8-C9
14	Z	805	CLA	C6-C7-C8-C9
14	Z	805	CLA	C14-C13-C15-C16
14	Z	806	CLA	C11-C12-C13-C14
14	Z	811	CLA	C14-C13-C15-C16
14	Z	815	CLA	C6-C7-C8-C9
14	Z	839	CLA	C11-C12-C13-C14
14	h	206	CLA	C6-C7-C8-C9
15	Z	840	PQN	C16-C17-C18-C19
19	H	846	LMG	C4-C5-C6-O5
14	G	820	CLA	O1D-CGD-O2D-CED
14	H	828	CLA	O1D-CGD-O2D-CED
14	Y	854	CLA	O1D-CGD-O2D-CED
18	Y	853	LHG	O9-C7-O7-C5
14	B	824	CLA	O1D-CGD-O2D-CED
14	A	808	CLA	O1A-CGA-O2A-C1
14	B	829	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	O1A-CGA-O2A-C1
14	G	818	CLA	O1A-CGA-O2A-C1
14	V	1201	CLA	O1A-CGA-O2A-C1
14	Y	808	CLA	O1A-CGA-O2A-C1
14	Y	813	CLA	O1A-CGA-O2A-C1
14	Y	820	CLA	O1A-CGA-O2A-C1
14	Z	839	CLA	O1A-CGA-O2A-C1
19	Z	847	LMG	C4-C5-C6-O5
14	K	101	CLA	C2C-C3C-CAC-CBC
14	Z	819	CLA	O1D-CGD-O2D-CED
17	A	846	BCR	C11-C12-C13-C35
17	A	846	BCR	C36-C18-C19-C20
17	G	849	BCR	C11-C12-C13-C35
17	G	854	BCR	C11-C12-C13-C35
17	H	841	BCR	C11-C12-C13-C35
17	H	844	BCR	C7-C8-C9-C34
17	H	845	BCR	C11-C12-C13-C35
17	I	101	BCR	C11-C12-C13-C35

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Mol	Chain	Res	Type	Atoms
17	K	102	BCR	C37-C22-C23-C24
17	L	203	BCR	C11-C12-C13-C35
17	L	208	BCR	C11-C12-C13-C35
17	U	1007	BCR	C11-C12-C13-C35
17	U	1008	BCR	C11-C12-C13-C35
17	Y	848	BCR	C36-C18-C19-C20
17	Y	849	BCR	C36-C18-C19-C20
17	Y	851	BCR	C11-C12-C13-C35
17	Y	856	BCR	C11-C12-C13-C35
17	Z	841	BCR	C11-C12-C13-C35
17	Z	844	BCR	C36-C18-C19-C20
17	Z	844	BCR	C37-C22-C23-C24
17	h	202	BCR	C11-C12-C13-C35
17	B	847	BCR	C7-C8-C9-C10
17	G	849	BCR	C11-C12-C13-C14
17	G	854	BCR	C11-C12-C13-C14
17	H	844	BCR	C7-C8-C9-C10
17	J	104	BCR	C21-C22-C23-C24
17	K	102	BCR	C21-C22-C23-C24
19	B	849	LMG	C4-C5-C6-O5
14	A	836	CLA	C2A-CAA-CBA-CGA
14	H	812	CLA	C2A-CAA-CBA-CGA
14	Z	815	CLA	C2A-CAA-CBA-CGA
14	B	819	CLA	O1A-CGA-O2A-C1
14	H	812	CLA	O1A-CGA-O2A-C1
14	H	813	CLA	O1A-CGA-O2A-C1
14	H	817	CLA	O1A-CGA-O2A-C1
14	H	818	CLA	O1A-CGA-O2A-C1
14	Z	812	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	C3-C5-C6-C7
14	Y	818	CLA	C3-C5-C6-C7
14	A	819	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	CBA-CGA-O2A-C1
14	B	837	CLA	CBA-CGA-O2A-C1
14	H	828	CLA	CBA-CGA-O2A-C1
14	h	205	CLA	CBA-CGA-O2A-C1
18	H	847	LHG	C24-C23-O8-C6
14	A	832	CLA	C10-C11-C12-C13
14	G	830	CLA	C15-C16-C17-C18
14	Y	806	CLA	C15-C16-C17-C18
14	Y	829	CLA	C5-C6-C7-C8
14	A	815	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	A	841	CLA	C2-C1-O2A-CGA
14	B	828	CLA	C2-C1-O2A-CGA
14	G	803	CLA	C2-C1-O2A-CGA
14	G	826	CLA	C2-C1-O2A-CGA
14	G	838	CLA	C2-C1-O2A-CGA
14	H	823	CLA	C2-C1-O2A-CGA
14	L	205	CLA	C2-C1-O2A-CGA
14	Q	201	CLA	C2-C1-O2A-CGA
14	Y	818	CLA	C2-C1-O2A-CGA
14	Y	822	CLA	C2-C1-O2A-CGA
14	Z	804	CLA	C2-C1-O2A-CGA
14	Z	830	CLA	C2-C1-O2A-CGA
14	h	205	CLA	C2-C1-O2A-CGA
14	Y	822	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	O1D-CGD-O2D-CED
14	B	836	CLA	O1D-CGD-O2D-CED
14	H	830	CLA	O1D-CGD-O2D-CED
14	J	102	CLA	O1D-CGD-O2D-CED
14	Y	802	CLA	O1D-CGD-O2D-CED
14	h	201	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	C15-C16-C17-C18
14	B	827	CLA	C15-C16-C17-C18
14	B	832	CLA	C10-C11-C12-C13
14	G	804	CLA	C5-C6-C7-C8
14	G	809	CLA	C5-C6-C7-C8
14	G	827	CLA	C5-C6-C7-C8
14	H	804	CLA	C13-C15-C16-C17
14	L	202	CLA	C13-C15-C16-C17
14	Y	822	CLA	C8-C10-C11-C12
14	Y	833	CLA	C8-C10-C11-C12
14	Z	807	CLA	C5-C6-C7-C8
14	Z	811	CLA	C10-C11-C12-C13
14	Z	825	CLA	C10-C11-C12-C13
14	Z	836	CLA	C13-C15-C16-C17
14	h	201	CLA	C5-C6-C7-C8
14	h	207	CLA	C8-C10-C11-C12
18	G	851	LHG	O1-C1-C2-O2
14	G	819	CLA	C3-C5-C6-C7
14	Z	803	CLA	C3-C5-C6-C7
14	H	815	CLA	O1D-CGD-O2D-CED
14	Z	803	CLA	O1D-CGD-O2D-CED
14	Z	834	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	828	CLA	C15-C16-C17-C18
14	A	803	CLA	CBD-CGD-O2D-CED
14	G	836	CLA	CBD-CGD-O2D-CED
14	H	818	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	C11-C10-C8-C7
14	B	825	CLA	C11-C12-C13-C15
14	B	826	CLA	C11-C10-C8-C7
14	B	840	CLA	C11-C10-C8-C7
14	G	806	CLA	C11-C10-C8-C7
14	G	808	CLA	C6-C7-C8-C10
14	G	808	CLA	C11-C12-C13-C15
14	G	826	CLA	C6-C7-C8-C10
14	H	822	CLA	C6-C7-C8-C10
14	U	1004	CLA	C11-C12-C13-C15
14	Z	805	CLA	C11-C10-C8-C7
14	Z	825	CLA	C6-C7-C8-C10
14	Z	838	CLA	C11-C10-C8-C7
15	G	844	PQN	C21-C22-C23-C25
14	G	815	CLA	CBA-CGA-O2A-C1
14	G	812	CLA	C4-C3-C5-C6
14	B	802	CLA	C10-C11-C12-C13
14	Y	809	CLA	C5-C6-C7-C8
17	A	847	BCR	C9-C10-C11-C12
17	B	847	BCR	C9-C10-C11-C12
17	F	201	BCR	C15-C16-C17-C18
17	G	847	BCR	C15-C16-C17-C18
17	G	854	BCR	C9-C10-C11-C12
17	H	845	BCR	C9-C10-C11-C12
17	L	209	BCR	C9-C10-C11-C12
17	R	102	BCR	C15-C16-C17-C18
17	T	102	BCR	C9-C10-C11-C12
17	Y	856	BCR	C9-C10-C11-C12
17	Z	841	BCR	C9-C10-C11-C12
17	Z	845	BCR	C9-C10-C11-C12
14	H	825	CLA	O1D-CGD-O2D-CED
14	G	842	CLA	C3-C5-C6-C7
14	Y	805	CLA	C3-C5-C6-C7
14	B	807	CLA	C5-C6-C7-C8
14	B	817	CLA	C15-C16-C17-C18
14	G	802	CLA	C5-C6-C7-C8
14	H	816	CLA	C13-C15-C16-C17
14	Y	827	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	Y	828	CLA	C15-C16-C17-C18
14	Z	805	CLA	C5-C6-C7-C8
14	Z	825	CLA	C13-C15-C16-C17
18	H	847	LHG	C27-C28-C29-C30
14	Y	839	CLA	O1D-CGD-O2D-CED
18	B	850	LHG	C23-C24-C25-C26
18	H	847	LHG	C7-C8-C9-C10
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	O1A-CGA-O2A-C1
14	A	837	CLA	O1A-CGA-O2A-C1
14	B	805	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	O1A-CGA-O2A-C1
14	G	822	CLA	O1A-CGA-O2A-C1
14	G	834	CLA	O1A-CGA-O2A-C1
14	H	815	CLA	O1A-CGA-O2A-C1
14	Y	811	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	O1D-CGD-O2D-CED
13	Y	801	CL0	C15-C16-C17-C18
14	A	809	CLA	C10-C11-C12-C13
14	A	818	CLA	C10-C11-C12-C13
14	A	833	CLA	C8-C10-C11-C12
14	B	801	CLA	C8-C10-C11-C12
14	B	806	CLA	C10-C11-C12-C13
14	B	841	CLA	C8-C10-C11-C12
14	G	803	CLA	C8-C10-C11-C12
14	G	827	CLA	C8-C10-C11-C12
14	G	828	CLA	C5-C6-C7-C8
14	H	805	CLA	C5-C6-C7-C8
14	H	824	CLA	C10-C11-C12-C13
14	Q	201	CLA	C8-C10-C11-C12
14	S	1101	CLA	C8-C10-C11-C12
14	Y	841	CLA	C5-C6-C7-C8
14	Y	842	CLA	C15-C16-C17-C18
14	Z	811	CLA	C15-C16-C17-C18
14	Z	812	CLA	C15-C16-C17-C18
14	Z	815	CLA	C15-C16-C17-C18
14	Z	824	CLA	C15-C16-C17-C18
14	Z	835	CLA	C5-C6-C7-C8
15	H	839	PQN	C23-C25-C26-C27
14	A	825	CLA	C2A-CAA-CBA-CGA
14	B	830	CLA	C2A-CAA-CBA-CGA
14	B	840	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	G	804	CLA	C2A-CAA-CBA-CGA
14	G	829	CLA	C2A-CAA-CBA-CGA
14	G	836	CLA	C2A-CAA-CBA-CGA
14	G	842	CLA	C2A-CAA-CBA-CGA
14	H	815	CLA	C2A-CAA-CBA-CGA
14	H	818	CLA	C2A-CAA-CBA-CGA
14	H	819	CLA	C2A-CAA-CBA-CGA
14	L	201	CLA	C2A-CAA-CBA-CGA
14	S	1102	CLA	C2A-CAA-CBA-CGA
14	Y	807	CLA	C2A-CAA-CBA-CGA
14	Y	815	CLA	C2A-CAA-CBA-CGA
14	Y	824	CLA	C2A-CAA-CBA-CGA
14	Y	834	CLA	C2A-CAA-CBA-CGA
14	Y	837	CLA	C2A-CAA-CBA-CGA
14	Y	843	CLA	C2A-CAA-CBA-CGA
14	Z	824	CLA	C2A-CAA-CBA-CGA
14	Z	828	CLA	C2A-CAA-CBA-CGA
17	H	843	BCR	C18-C19-C20-C21
17	Y	850	BCR	C18-C19-C20-C21
17	f	103	BCR	C18-C19-C20-C21
14	A	806	CLA	C15-C16-C17-C18
14	A	811	CLA	C10-C11-C12-C13
14	A	822	CLA	C5-C6-C7-C8
14	B	802	CLA	C8-C10-C11-C12
14	B	806	CLA	C13-C15-C16-C17
14	B	840	CLA	C13-C15-C16-C17
14	G	802	CLA	C13-C15-C16-C17
14	G	803	CLA	C15-C16-C17-C18
14	G	809	CLA	C8-C10-C11-C12
14	G	822	CLA	C13-C15-C16-C17
14	G	827	CLA	C10-C11-C12-C13
14	H	805	CLA	C8-C10-C11-C12
14	H	817	CLA	C10-C11-C12-C13
14	L	201	CLA	C15-C16-C17-C18
14	L	205	CLA	C10-C11-C12-C13
14	L	205	CLA	C13-C15-C16-C17
14	Y	812	CLA	C5-C6-C7-C8
14	Y	824	CLA	C5-C6-C7-C8
14	Y	826	CLA	C10-C11-C12-C13
14	Y	828	CLA	C5-C6-C7-C8
14	Y	842	CLA	C5-C6-C7-C8
14	Z	801	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	Z	801	CLA	C10-C11-C12-C13
14	Z	815	CLA	C10-C11-C12-C13
14	Z	826	CLA	C13-C15-C16-C17
14	S	1101	CLA	O1D-CGD-O2D-CED
14	B	814	CLA	O1A-CGA-O2A-C1
14	G	808	CLA	O1A-CGA-O2A-C1
14	G	826	CLA	O1A-CGA-O2A-C1
14	A	827	CLA	CBD-CGD-O2D-CED
14	B	820	CLA	O1D-CGD-O2D-CED
14	G	812	CLA	O1D-CGD-O2D-CED
13	Y	801	CL0	C5-C6-C7-C8
14	A	803	CLA	C8-C10-C11-C12
14	A	803	CLA	C13-C15-C16-C17
14	A	809	CLA	C13-C15-C16-C17
14	A	820	CLA	C10-C11-C12-C13
14	A	840	CLA	C13-C15-C16-C17
14	B	804	CLA	C10-C11-C12-C13
14	B	807	CLA	C8-C10-C11-C12
14	B	823	CLA	C5-C6-C7-C8
14	B	828	CLA	C13-C15-C16-C17
14	B	829	CLA	C15-C16-C17-C18
14	G	805	CLA	C8-C10-C11-C12
14	G	805	CLA	C13-C15-C16-C17
14	G	806	CLA	C10-C11-C12-C13
14	G	806	CLA	C15-C16-C17-C18
14	G	811	CLA	C13-C15-C16-C17
14	G	818	CLA	C15-C16-C17-C18
14	G	837	CLA	C15-C16-C17-C18
14	G	841	CLA	C13-C15-C16-C17
14	H	805	CLA	C10-C11-C12-C13
14	H	808	CLA	C5-C6-C7-C8
14	H	822	CLA	C8-C10-C11-C12
14	H	824	CLA	C8-C10-C11-C12
14	H	834	CLA	C8-C10-C11-C12
14	U	1002	CLA	C13-C15-C16-C17
14	Y	805	CLA	C15-C16-C17-C18
14	Y	806	CLA	C13-C15-C16-C17
14	Y	817	CLA	C8-C10-C11-C12
14	Y	818	CLA	C10-C11-C12-C13
14	Y	825	CLA	C5-C6-C7-C8
14	Y	826	CLA	C5-C6-C7-C8
14	Z	802	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	Z	804	CLA	C13-C15-C16-C17
14	Z	805	CLA	C10-C11-C12-C13
14	Z	806	CLA	C8-C10-C11-C12
14	Z	806	CLA	C13-C15-C16-C17
14	Z	823	CLA	C15-C16-C17-C18
14	Z	825	CLA	C15-C16-C17-C18
14	Z	827	CLA	C13-C15-C16-C17
14	h	201	CLA	C8-C10-C11-C12
14	h	205	CLA	C15-C16-C17-C18
15	A	843	PQN	C23-C25-C26-C27
14	Y	843	CLA	C2C-C3C-CAC-CBC
14	Z	834	CLA	C2C-C3C-CAC-CBC
18	A	851	LHG	O2-C2-C3-O3
18	Y	853	LHG	O2-C2-C3-O3
14	G	832	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	CBA-CGA-O2A-C1
14	A	821	CLA	CBA-CGA-O2A-C1
14	G	811	CLA	CBA-CGA-O2A-C1
14	Y	806	CLA	CBA-CGA-O2A-C1
14	Y	831	CLA	CBA-CGA-O2A-C1
14	B	828	CLA	O1A-CGA-O2A-C1
14	U	1004	CLA	O1A-CGA-O2A-C1
14	Y	830	CLA	O1A-CGA-O2A-C1
18	A	851	LHG	C23-C24-C25-C26
18	G	852	LHG	C23-C24-C25-C26
14	G	817	CLA	C10-C11-C12-C13
14	G	819	CLA	C10-C11-C12-C13
14	G	839	CLA	C10-C11-C12-C13
14	U	1004	CLA	C8-C10-C11-C12
14	Y	832	CLA	C10-C11-C12-C13
14	Y	834	CLA	C5-C6-C7-C8
14	Z	808	CLA	C5-C6-C7-C8
14	Z	835	CLA	C10-C11-C12-C13
14	G	833	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	C5-C6-C7-C8
14	A	813	CLA	C10-C11-C12-C13
14	B	803	CLA	C10-C11-C12-C13
14	H	806	CLA	C8-C10-C11-C12
14	H	818	CLA	C10-C11-C12-C13
14	H	823	CLA	C5-C6-C7-C8
14	Y	805	CLA	C8-C10-C11-C12
14	Y	808	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	Y	811	CLA	C13-C15-C16-C17
15	B	842	PQN	C23-C25-C26-C27
14	A	819	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	O1A-CGA-O2A-C1
14	G	815	CLA	O1A-CGA-O2A-C1
14	h	205	CLA	O1A-CGA-O2A-C1
14	A	828	CLA	O1D-CGD-O2D-CED
13	A	801	CL0	C13-C15-C16-C17
14	A	817	CLA	C10-C11-C12-C13
14	A	821	CLA	C13-C15-C16-C17
14	G	841	CLA	C8-C10-C11-C12
14	H	826	CLA	C15-C16-C17-C18
14	Z	804	CLA	C10-C11-C12-C13
14	Z	805	CLA	C15-C16-C17-C18
14	Z	811	CLA	C13-C15-C16-C17
14	Z	812	CLA	C10-C11-C12-C13
14	Z	823	CLA	C8-C10-C11-C12
14	Z	835	CLA	C8-C10-C11-C12
14	Z	836	CLA	C8-C10-C11-C12
15	Z	840	PQN	C18-C20-C21-C22
14	A	817	CLA	CBA-CGA-O2A-C1
14	A	826	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	Y	840	CLA	CBA-CGA-O2A-C1
14	Z	804	CLA	CBA-CGA-O2A-C1
14	Z	831	CLA	CBA-CGA-O2A-C1
14	B	806	CLA	CBD-CGD-O2D-CED
14	Z	817	CLA	CBD-CGD-O2D-CED
14	B	837	CLA	O1A-CGA-O2A-C1
14	Y	821	CLA	O1A-CGA-O2A-C1
18	H	847	LHG	O10-C23-O8-C6
14	L	201	CLA	O1D-CGD-O2D-CED
14	Z	836	CLA	O1D-CGD-O2D-CED
14	V	1201	CLA	C4C-C3C-CAC-CBC
14	G	806	CLA	C3-C5-C6-C7
14	S	1103	CLA	C3-C5-C6-C7
17	B	851	BCR	C9-C10-C11-C12
17	G	847	BCR	C9-C10-C11-C12
17	G	849	BCR	C9-C10-C11-C12
17	H	845	BCR	C15-C16-C17-C18
17	U	1008	BCR	C9-C10-C11-C12
17	Y	848	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	e	101	BCR	C19-C20-C21-C22
14	A	832	CLA	C5-C6-C7-C8
14	G	834	CLA	C5-C6-C7-C8
14	G	841	CLA	C5-C6-C7-C8
14	H	810	CLA	C5-C6-C7-C8
14	Z	807	CLA	C8-C10-C11-C12
18	A	851	LHG	C1-C2-C3-O3
18	Y	853	LHG	C1-C2-C3-O3
14	A	822	CLA	C2A-CAA-CBA-CGA
14	A	838	CLA	C2A-CAA-CBA-CGA
14	A	841	CLA	C2A-CAA-CBA-CGA
14	K	101	CLA	C2A-CAA-CBA-CGA
14	U	1004	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	CBA-CGA-O2A-C1
14	A	812	CLA	CBA-CGA-O2A-C1
14	A	818	CLA	CBA-CGA-O2A-C1
14	G	821	CLA	CBA-CGA-O2A-C1
14	G	830	CLA	CBA-CGA-O2A-C1
14	H	830	CLA	CBA-CGA-O2A-C1
14	L	202	CLA	CBA-CGA-O2A-C1
14	Y	814	CLA	CBA-CGA-O2A-C1
14	Y	816	CLA	CBA-CGA-O2A-C1
14	Y	838	CLA	CBA-CGA-O2A-C1
14	Y	839	CLA	CBA-CGA-O2A-C1
17	H	848	BCR	C14-C15-C16-C17
13	A	801	CL0	C8-C10-C11-C12
13	Y	801	CL0	C10-C11-C12-C13
14	A	828	CLA	C8-C10-C11-C12
14	B	807	CLA	C10-C11-C12-C13
14	B	807	CLA	C13-C15-C16-C17
14	B	809	CLA	C13-C15-C16-C17
14	B	829	CLA	C10-C11-C12-C13
14	G	805	CLA	C15-C16-C17-C18
14	G	811	CLA	C15-C16-C17-C18
14	G	820	CLA	C5-C6-C7-C8
14	G	822	CLA	C8-C10-C11-C12
14	G	827	CLA	C13-C15-C16-C17
14	G	837	CLA	C8-C10-C11-C12
14	G	839	CLA	C5-C6-C7-C8
14	H	803	CLA	C10-C11-C12-C13
14	H	806	CLA	C13-C15-C16-C17
14	H	827	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	H	837	CLA	C15-C16-C17-C18
14	L	207	CLA	C15-C16-C17-C18
14	Y	811	CLA	C5-C6-C7-C8
14	Y	811	CLA	C10-C11-C12-C13
14	Y	813	CLA	C10-C11-C12-C13
14	Y	819	CLA	C10-C11-C12-C13
14	Y	838	CLA	C5-C6-C7-C8
14	Z	802	CLA	C13-C15-C16-C17
14	Z	823	CLA	C5-C6-C7-C8
14	Z	826	CLA	C8-C10-C11-C12
15	Z	840	PQN	C15-C16-C17-C18
14	Z	829	CLA	C2C-C3C-CAC-CBC
14	G	809	CLA	C3-C5-C6-C7
14	Y	854	CLA	C3-C5-C6-C7
14	Z	839	CLA	C3-C5-C6-C7
14	A	837	CLA	O1D-CGD-O2D-CED
14	Y	834	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	C10-C11-C12-C13
14	A	809	CLA	C5-C6-C7-C8
14	A	822	CLA	C8-C10-C11-C12
14	B	811	CLA	C5-C6-C7-C8
14	B	841	CLA	C15-C16-C17-C18
14	H	803	CLA	C8-C10-C11-C12
14	H	805	CLA	C13-C15-C16-C17
14	Y	809	CLA	C10-C11-C12-C13
14	Y	827	CLA	C10-C11-C12-C13
14	Y	833	CLA	C15-C16-C17-C18
14	h	205	CLA	C10-C11-C12-C13
15	B	842	PQN	C25-C26-C27-C28
14	A	802	CLA	C10-C11-C12-C13
14	A	805	CLA	C15-C16-C17-C18
14	A	817	CLA	C5-C6-C7-C8
14	A	829	CLA	C8-C10-C11-C12
14	B	801	CLA	C10-C11-C12-C13
14	B	832	CLA	C8-C10-C11-C12
14	B	838	CLA	C15-C16-C17-C18
14	G	813	CLA	C10-C11-C12-C13
14	G	825	CLA	C13-C15-C16-C17
14	G	829	CLA	C10-C11-C12-C13
14	G	832	CLA	C13-C15-C16-C17
14	G	837	CLA	C13-C15-C16-C17
14	S	1101	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C13-C15-C16-C17
14	Y	817	CLA	C10-C11-C12-C13
14	Y	830	CLA	C5-C6-C7-C8
14	Y	854	CLA	C13-C15-C16-C17
14	Z	830	CLA	C15-C16-C17-C18
14	G	802	CLA	O1D-CGD-O2D-CED
14	H	829	CLA	O1D-CGD-O2D-CED
14	T	101	CLA	C4C-C3C-CAC-CBC
14	B	826	CLA	C4-C3-C5-C6
14	Z	815	CLA	C4-C3-C5-C6
13	Y	801	CL0	C13-C15-C16-C17
14	A	833	CLA	C10-C11-C12-C13
14	A	837	CLA	C13-C15-C16-C17
14	B	816	CLA	C5-C6-C7-C8
14	G	819	CLA	C15-C16-C17-C18
14	Y	840	CLA	C15-C16-C17-C18
14	Z	831	CLA	C5-C6-C7-C8
14	B	821	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	C15-C16-C17-C18
14	Y	829	CLA	C13-C15-C16-C17
14	G	841	CLA	O1D-CGD-O2D-CED
14	G	831	CLA	O1D-CGD-O2D-CED
14	Y	823	CLA	CBA-CGA-O2A-C1
14	Z	801	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	C16-C17-C18-C20
14	Y	811	CLA	C16-C17-C18-C19
14	Y	820	CLA	C11-C12-C13-C15
14	Y	838	CLA	C16-C17-C18-C20
14	Y	854	CLA	C16-C17-C18-C20
14	Z	802	CLA	C16-C17-C18-C19
14	Z	805	CLA	C16-C17-C18-C20
17	A	845	BCR	C11-C10-C9-C34
17	A	845	BCR	C16-C17-C18-C36
17	A	849	BCR	C11-C10-C9-C34
17	B	847	BCR	C11-C10-C9-C34
17	H	840	BCR	C16-C17-C18-C36
17	H	841	BCR	C16-C17-C18-C36
17	L	209	BCR	C11-C10-C9-C34
17	M	101	BCR	C16-C17-C18-C36
17	T	102	BCR	C11-C10-C9-C34
17	U	1007	BCR	C16-C17-C18-C36
17	Y	847	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
17	Y	856	BCR	C11-C10-C9-C34
17	Z	841	BCR	C16-C17-C18-C36
17	Z	846	BCR	C11-C10-C9-C34
17	d	203	BCR	C16-C17-C18-C36
17	e	101	BCR	C11-C10-C9-C34
17	h	203	BCR	C16-C17-C18-C36
15	Z	840	PQN	C13-C15-C16-C17
14	B	802	CLA	C15-C16-C17-C18
14	Z	808	CLA	C13-C15-C16-C17
17	B	847	BCR	C7-C8-C9-C34
17	M	101	BCR	C11-C12-C13-C35
17	R	101	BCR	C37-C22-C23-C24
17	U	1007	BCR	C37-C22-C23-C24
17	Z	841	BCR	C37-C22-C23-C24
17	Z	845	BCR	C7-C8-C9-C34
17	A	846	BCR	C17-C18-C19-C20
17	F	201	BCR	C21-C22-C23-C24
17	G	850	BCR	C11-C12-C13-C14
17	I	101	BCR	C21-C22-C23-C24
17	M	101	BCR	C11-C12-C13-C14
17	Z	845	BCR	C7-C8-C9-C10
14	H	828	CLA	O1A-CGA-O2A-C1
14	A	824	CLA	C2A-CAA-CBA-CGA
14	B	811	CLA	C2A-CAA-CBA-CGA
14	B	823	CLA	C2A-CAA-CBA-CGA
14	B	832	CLA	C2A-CAA-CBA-CGA
14	G	805	CLA	C2A-CAA-CBA-CGA
14	G	822	CLA	C2A-CAA-CBA-CGA
14	H	817	CLA	C2A-CAA-CBA-CGA
14	J	102	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	C2A-CAA-CBA-CGA
14	Y	822	CLA	C2A-CAA-CBA-CGA
14	Y	836	CLA	C2A-CAA-CBA-CGA
14	Z	826	CLA	C2A-CAA-CBA-CGA
14	Z	838	CLA	C2A-CAA-CBA-CGA
14	A	824	CLA	C10-C11-C12-C13
14	Y	825	CLA	C8-C10-C11-C12
15	Y	844	PQN	C15-C16-C17-C18
18	A	851	LHG	O1-C1-C2-C3
18	G	851	LHG	O1-C1-C2-C3
18	G	852	LHG	O1-C1-C2-C3
14	H	811	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	830	CLA	O1D-CGD-O2D-CED
17	L	203	BCR	C15-C16-C17-C18
14	A	832	CLA	C16-C17-C18-C20
14	B	803	CLA	C16-C17-C18-C20
14	B	814	CLA	C16-C17-C18-C20
14	G	822	CLA	C16-C17-C18-C19
14	G	824	CLA	C11-C12-C13-C14
14	G	829	CLA	C16-C17-C18-C19
14	H	816	CLA	C16-C17-C18-C19
14	H	824	CLA	C16-C17-C18-C20
14	Y	824	CLA	C11-C12-C13-C15
15	A	843	PQN	C26-C27-C28-C29
15	H	839	PQN	C26-C27-C28-C29
14	Z	801	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	O1A-CGA-O2A-C1
14	A	826	CLA	O1A-CGA-O2A-C1
14	Z	804	CLA	O1A-CGA-O2A-C1
14	Z	831	CLA	O1A-CGA-O2A-C1
14	H	801	CLA	C3-C5-C6-C7
14	A	825	CLA	C13-C15-C16-C17
14	Z	808	CLA	C8-C10-C11-C12
15	Z	840	PQN	C23-C25-C26-C27
14	Y	834	CLA	C2C-C3C-CAC-CBC
17	A	845	BCR	C11-C10-C9-C8
17	A	849	BCR	C11-C10-C9-C8
17	B	847	BCR	C11-C10-C9-C8
17	G	847	BCR	C16-C17-C18-C19
17	G	848	BCR	C11-C10-C9-C8
17	H	840	BCR	C16-C17-C18-C19
17	H	841	BCR	C16-C17-C18-C19
17	H	845	BCR	C11-C10-C9-C8
17	L	208	BCR	C16-C17-C18-C19
17	L	209	BCR	C11-C10-C9-C8
17	M	101	BCR	C11-C10-C9-C8
17	Q	202	BCR	C16-C17-C18-C19
17	T	102	BCR	C11-C10-C9-C8
17	U	1005	BCR	C16-C17-C18-C19
17	Y	847	BCR	C11-C10-C9-C8
17	Z	846	BCR	C11-C10-C9-C8
17	e	101	BCR	C11-C10-C9-C8
17	h	202	BCR	C11-C10-C9-C8
14	G	821	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	Z	839	CLA	C13-C15-C16-C17
14	H	809	CLA	O1D-CGD-O2D-CED
14	Z	831	CLA	O1D-CGD-O2D-CED
14	Y	837	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	C5-C6-C7-C8
14	H	826	CLA	C5-C6-C7-C8
14	Y	821	CLA	C15-C16-C17-C18
14	Y	838	CLA	C10-C11-C12-C13
14	Z	805	CLA	C13-C15-C16-C17
14	Z	821	CLA	C10-C11-C12-C13
14	Z	811	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	C2-C1-O2A-CGA
14	A	803	CLA	C2-C1-O2A-CGA
14	A	819	CLA	C2-C1-O2A-CGA
14	A	840	CLA	C2-C1-O2A-CGA
14	B	807	CLA	C2-C1-O2A-CGA
14	B	814	CLA	C2-C1-O2A-CGA
14	B	823	CLA	C2-C1-O2A-CGA
14	G	805	CLA	C2-C1-O2A-CGA
14	G	817	CLA	C2-C1-O2A-CGA
14	G	824	CLA	C2-C1-O2A-CGA
14	G	836	CLA	C2-C1-O2A-CGA
14	H	825	CLA	C2-C1-O2A-CGA
14	H	838	CLA	C2-C1-O2A-CGA
14	S	1101	CLA	C2-C1-O2A-CGA
14	Y	839	CLA	C2-C1-O2A-CGA
14	Y	841	CLA	C2-C1-O2A-CGA
14	f	102	CLA	C2-C1-O2A-CGA
14	h	207	CLA	C2-C1-O2A-CGA
14	A	808	CLA	C16-C17-C18-C19
14	A	829	CLA	C16-C17-C18-C20
14	A	840	CLA	C16-C17-C18-C19
14	B	810	CLA	C16-C17-C18-C20
14	B	813	CLA	C16-C17-C18-C20
14	B	814	CLA	C16-C17-C18-C19
14	B	832	CLA	C16-C17-C18-C20
14	G	824	CLA	C11-C12-C13-C15
14	H	816	CLA	C16-C17-C18-C20
14	L	205	CLA	C16-C17-C18-C19
14	U	1003	CLA	C16-C17-C18-C20
14	Y	832	CLA	C16-C17-C18-C19
14	Z	801	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	Z	814	CLA	C6-C7-C8-C10
14	Z	823	CLA	C16-C17-C18-C19
14	h	205	CLA	C16-C17-C18-C20
15	B	842	PQN	C26-C27-C28-C30
13	A	801	CL0	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	A	821	CLA	O1A-CGA-O2A-C1
14	G	811	CLA	O1A-CGA-O2A-C1
14	L	202	CLA	O1A-CGA-O2A-C1
14	Y	814	CLA	O1A-CGA-O2A-C1
14	H	825	CLA	C13-C15-C16-C17
14	U	1004	CLA	C10-C11-C12-C13
15	G	844	PQN	C23-C25-C26-C27
18	G	851	LHG	C13-C14-C15-C16
14	H	805	CLA	CBD-CGD-O2D-CED
17	F	201	BCR	C14-C15-C16-C17
17	H	841	BCR	C14-C15-C16-C17
17	M	101	BCR	C14-C15-C16-C17
17	U	1005	BCR	C14-C15-C16-C17
14	A	819	CLA	C10-C11-C12-C13
14	B	801	CLA	C5-C6-C7-C8
14	G	821	CLA	O1A-CGA-O2A-C1
14	G	830	CLA	O1A-CGA-O2A-C1
14	Y	816	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	CBA-CGA-O2A-C1
18	A	850	LHG	C15-C16-C17-C18
18	G	851	LHG	C16-C17-C18-C19
18	A	851	LHG	O1-C1-C2-O2
18	B	850	LHG	O1-C1-C2-O2
18	G	852	LHG	O1-C1-C2-O2
19	Z	847	LMG	C11-C12-C13-C14
14	B	830	CLA	O1D-CGD-O2D-CED
14	B	814	CLA	C4C-C3C-CAC-CBC
14	A	805	CLA	C4B-C3B-CAB-CBB
14	A	823	CLA	C4B-C3B-CAB-CBB
14	B	801	CLA	C4B-C3B-CAB-CBB
14	B	808	CLA	C4B-C3B-CAB-CBB
14	B	819	CLA	C4B-C3B-CAB-CBB
14	B	826	CLA	C4B-C3B-CAB-CBB
14	B	827	CLA	C4B-C3B-CAB-CBB
14	B	833	CLA	C4B-C3B-CAB-CBB
14	B	838	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	C4B-C3B-CAB-CBB
14	G	827	CLA	C4B-C3B-CAB-CBB
14	H	803	CLA	C4B-C3B-CAB-CBB
14	H	833	CLA	C4B-C3B-CAB-CBB
14	H	838	CLA	C4B-C3B-CAB-CBB
14	J	101	CLA	C4B-C3B-CAB-CBB
14	L	206	CLA	C4B-C3B-CAB-CBB
14	S	1103	CLA	C4B-C3B-CAB-CBB
14	T	101	CLA	C4B-C3B-CAB-CBB
14	Y	802	CLA	C4B-C3B-CAB-CBB
14	Y	824	CLA	C4B-C3B-CAB-CBB
14	Y	836	CLA	C4B-C3B-CAB-CBB
14	Y	854	CLA	C4B-C3B-CAB-CBB
14	Z	810	CLA	C4B-C3B-CAB-CBB
14	Z	828	CLA	C4B-C3B-CAB-CBB
14	Z	837	CLA	C4B-C3B-CAB-CBB
14	f	101	CLA	C4B-C3B-CAB-CBB
14	f	102	CLA	C4B-C3B-CAB-CBB
14	g	101	CLA	C4B-C3B-CAB-CBB
14	h	205	CLA	C4B-C3B-CAB-CBB
14	A	808	CLA	C16-C17-C18-C20
14	A	832	CLA	C16-C17-C18-C19
14	A	852	CLA	C16-C17-C18-C20
14	B	832	CLA	C16-C17-C18-C19
14	G	829	CLA	C16-C17-C18-C20
14	J	102	CLA	C6-C7-C8-C9
14	J	102	CLA	C6-C7-C8-C10
14	L	207	CLA	C16-C17-C18-C19
14	Y	802	CLA	C16-C17-C18-C20
14	Y	824	CLA	C11-C12-C13-C14
14	Y	832	CLA	C16-C17-C18-C20
14	Y	838	CLA	C16-C17-C18-C19
14	Y	842	CLA	C16-C17-C18-C19
14	Z	802	CLA	C16-C17-C18-C20
14	Z	826	CLA	C16-C17-C18-C19
14	Z	826	CLA	C16-C17-C18-C20
14	L	202	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	O1A-CGA-O2A-C1
14	Y	823	CLA	O1A-CGA-O2A-C1
14	Y	838	CLA	O1A-CGA-O2A-C1
14	A	837	CLA	C2A-CAA-CBA-CGA
14	Y	840	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A	825	CLA	C15-C16-C17-C18
14	B	809	CLA	C8-C10-C11-C12
14	L	207	CLA	C5-C6-C7-C8
14	U	1006	CLA	C15-C16-C17-C18
14	Y	814	CLA	C5-C6-C7-C8
14	Z	804	CLA	C15-C16-C17-C18
14	B	819	CLA	CBD-CGD-O2D-CED
14	B	809	CLA	C6-C7-C8-C10
14	H	804	CLA	C11-C10-C8-C7
14	L	206	CLA	C12-C13-C15-C16
14	Y	811	CLA	C11-C10-C8-C7
14	Y	817	CLA	C11-C10-C8-C7
14	Y	822	CLA	C11-C12-C13-C15
14	Z	815	CLA	C11-C10-C8-C7
14	Z	824	CLA	C11-C10-C8-C7
14	G	829	CLA	CBA-CGA-O2A-C1
14	B	837	CLA	C5-C6-C7-C8
14	G	825	CLA	C15-C16-C17-C18
14	H	802	CLA	C10-C11-C12-C13
14	Z	838	CLA	C15-C16-C17-C18
14	h	205	CLA	C13-C15-C16-C17
15	G	844	PQN	C15-C16-C17-C18
14	H	830	CLA	O1A-CGA-O2A-C1
14	Y	831	CLA	O1A-CGA-O2A-C1
14	Y	840	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	C3-C5-C6-C7
13	G	801	CL0	C3A-C2A-CAA-CBA
14	A	803	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	814	CLA	C3A-C2A-CAA-CBA
14	A	836	CLA	C3A-C2A-CAA-CBA
14	B	813	CLA	C3A-C2A-CAA-CBA
14	B	841	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C3A-C2A-CAA-CBA
14	G	806	CLA	C3A-C2A-CAA-CBA
14	G	835	CLA	C3A-C2A-CAA-CBA
14	G	836	CLA	C3A-C2A-CAA-CBA
14	G	840	CLA	C3A-C2A-CAA-CBA
14	H	834	CLA	C3A-C2A-CAA-CBA
14	Y	803	CLA	C3A-C2A-CAA-CBA
14	Y	837	CLA	C3A-C2A-CAA-CBA
14	Z	811	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	Z	811	CLA	C4-C3-C5-C6
14	Z	835	CLA	C3A-C2A-CAA-CBA
14	j	102	CLA	C3A-C2A-CAA-CBA
14	Y	812	CLA	O1D-CGD-O2D-CED
14	Y	829	CLA	C15-C16-C17-C18
18	j	101	LHG	C23-C24-C25-C26
17	F	201	BCR	C9-C10-C11-C12
14	A	803	CLA	C16-C17-C18-C19
14	A	803	CLA	C16-C17-C18-C20
14	B	803	CLA	C16-C17-C18-C19
14	B	810	CLA	C16-C17-C18-C19
14	B	813	CLA	C16-C17-C18-C19
14	H	810	CLA	C6-C7-C8-C9
14	Y	808	CLA	C16-C17-C18-C19
14	Y	808	CLA	C16-C17-C18-C20
14	Y	819	CLA	C16-C17-C18-C20
14	Y	827	CLA	C16-C17-C18-C20
14	Y	842	CLA	C16-C17-C18-C20
14	A	833	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	O1A-CGA-O2A-C1
14	Y	806	CLA	O1A-CGA-O2A-C1
14	Z	801	CLA	O1A-CGA-O2A-C1
19	Z	847	LMG	C31-C32-C33-C34
14	Q	201	CLA	C15-C16-C17-C18
14	G	828	CLA	CBA-CGA-O2A-C1
18	H	847	LHG	C10-C11-C12-C13
14	A	813	CLA	C3-C5-C6-C7
14	A	817	CLA	C3-C5-C6-C7
14	Y	855	CLA	C3-C5-C6-C7
14	h	207	CLA	C3-C5-C6-C7
14	B	809	CLA	C10-C11-C12-C13
19	Z	847	LMG	C14-C15-C16-C17
14	Y	839	CLA	O1A-CGA-O2A-C1
14	B	811	CLA	O1D-CGD-O2D-CED
14	Y	804	CLA	O1D-CGD-O2D-CED
14	L	205	CLA	C16-C17-C18-C20
14	Y	803	CLA	C16-C17-C18-C20
14	Z	823	CLA	C16-C17-C18-C20
14	A	802	CLA	C2B-C3B-CAB-CBB
14	A	805	CLA	C2B-C3B-CAB-CBB
14	A	817	CLA	C2B-C3B-CAB-CBB
14	A	820	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	823	CLA	C2B-C3B-CAB-CBB
14	A	835	CLA	C2B-C3B-CAB-CBB
14	A	837	CLA	C2B-C3B-CAB-CBB
14	A	852	CLA	C2B-C3B-CAB-CBB
14	B	801	CLA	C2B-C3B-CAB-CBB
14	B	809	CLA	C2B-C3B-CAB-CBB
14	B	819	CLA	C2B-C3B-CAB-CBB
14	B	821	CLA	C2B-C3B-CAB-CBB
14	B	828	CLA	C2B-C3B-CAB-CBB
14	B	833	CLA	C2B-C3B-CAB-CBB
14	B	838	CLA	C2B-C3B-CAB-CBB
14	B	840	CLA	C2B-C3B-CAB-CBB
14	G	821	CLA	C2B-C3B-CAB-CBB
14	G	827	CLA	C2B-C3B-CAB-CBB
14	H	807	CLA	C2B-C3B-CAB-CBB
14	H	822	CLA	C2B-C3B-CAB-CBB
14	H	826	CLA	C2B-C3B-CAB-CBB
14	H	833	CLA	C2B-C3B-CAB-CBB
14	H	838	CLA	C2B-C3B-CAB-CBB
14	Y	817	CLA	C2B-C3B-CAB-CBB
14	Z	810	CLA	C2B-C3B-CAB-CBB
14	Z	818	CLA	C2B-C3B-CAB-CBB
14	Z	831	CLA	C2B-C3B-CAB-CBB
14	Z	837	CLA	C2B-C3B-CAB-CBB
14	f	101	CLA	C2B-C3B-CAB-CBB
14	g	101	CLA	C2B-C3B-CAB-CBB
14	h	205	CLA	C2B-C3B-CAB-CBB
17	A	845	BCR	C1-C6-C7-C8
17	A	848	BCR	C23-C24-C25-C26
17	A	848	BCR	C23-C24-C25-C30
17	B	844	BCR	C23-C24-C25-C30
17	B	846	BCR	C23-C24-C25-C30
17	B	847	BCR	C1-C6-C7-C8
17	B	847	BCR	C23-C24-C25-C26
17	B	847	BCR	C23-C24-C25-C30
17	B	851	BCR	C5-C6-C7-C8
17	F	201	BCR	C1-C6-C7-C8
17	G	846	BCR	C1-C6-C7-C8
17	G	848	BCR	C23-C24-C25-C30
17	G	849	BCR	C1-C6-C7-C8
17	G	854	BCR	C5-C6-C7-C8
17	G	854	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
17	H	841	BCR	C23-C24-C25-C30
17	H	842	BCR	C1-C6-C7-C8
17	H	843	BCR	C23-C24-C25-C30
17	H	844	BCR	C5-C6-C7-C8
17	H	844	BCR	C23-C24-C25-C30
17	I	101	BCR	C1-C6-C7-C8
17	J	103	BCR	C5-C6-C7-C8
17	L	203	BCR	C5-C6-C7-C8
17	L	208	BCR	C1-C6-C7-C8
17	L	208	BCR	C5-C6-C7-C8
17	Q	202	BCR	C5-C6-C7-C8
17	Q	204	BCR	C23-C24-C25-C30
17	R	101	BCR	C23-C24-C25-C30
17	U	1007	BCR	C5-C6-C7-C8
17	V	1202	BCR	C1-C6-C7-C8
17	V	1202	BCR	C5-C6-C7-C8
17	Y	846	BCR	C23-C24-C25-C26
17	Y	846	BCR	C23-C24-C25-C30
17	Y	848	BCR	C5-C6-C7-C8
17	Y	850	BCR	C23-C24-C25-C26
17	Y	851	BCR	C1-C6-C7-C8
17	Y	851	BCR	C5-C6-C7-C8
17	Z	842	BCR	C23-C24-C25-C26
17	Z	842	BCR	C23-C24-C25-C30
17	Z	845	BCR	C23-C24-C25-C30
17	Z	846	BCR	C5-C6-C7-C8
17	e	101	BCR	C23-C24-C25-C26
17	f	103	BCR	C1-C6-C7-C8
17	f	105	BCR	C23-C24-C25-C30
17	i	101	BCR	C23-C24-C25-C26
17	i	101	BCR	C23-C24-C25-C30
18	A	851	LHG	C26-C27-C28-C29
18	H	847	LHG	C9-C10-C11-C12
14	G	816	CLA	CBD-CGD-O2D-CED
14	Z	821	CLA	CBD-CGD-O2D-CED
18	A	850	LHG	C8-C7-O7-C5
14	H	802	CLA	CBA-CGA-O2A-C1
14	B	808	CLA	C5-C6-C7-C8
14	B	841	CLA	C13-C15-C16-C17
14	G	819	CLA	C13-C15-C16-C17
18	j	101	LHG	C2-C3-O3-P
14	B	819	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	B	832	CLA	C3-C5-C6-C7
14	Y	841	CLA	C3-C5-C6-C7
14	A	817	CLA	O1D-CGD-O2D-CED
18	G	851	LHG	C28-C29-C30-C31
14	B	801	CLA	C2A-CAA-CBA-CGA
14	B	802	CLA	C2A-CAA-CBA-CGA
14	G	811	CLA	C2A-CAA-CBA-CGA
14	H	822	CLA	C2A-CAA-CBA-CGA
14	H	837	CLA	C2A-CAA-CBA-CGA
14	Y	808	CLA	C2A-CAA-CBA-CGA
18	B	850	LHG	C11-C12-C13-C14
14	A	806	CLA	O1A-CGA-O2A-C1
14	Y	837	CLA	O1A-CGA-O2A-C1
18	G	851	LHG	C29-C30-C31-C32
14	Z	812	CLA	C4-C3-C5-C6
18	A	850	LHG	C28-C29-C30-C31
19	Z	847	LMG	C33-C34-C35-C36
17	I	101	BCR	C18-C19-C20-C21
17	J	104	BCR	C18-C19-C20-C21
17	S	1104	BCR	C18-C19-C20-C21
17	Z	846	BCR	C10-C11-C12-C13
17	d	203	BCR	C10-C11-C12-C13
17	h	203	BCR	C18-C19-C20-C21
14	H	809	CLA	C10-C11-C12-C13
15	B	842	PQN	C20-C21-C22-C23
14	Z	811	CLA	C2-C3-C5-C6
14	Z	815	CLA	C2-C3-C5-C6
14	A	809	CLA	C16-C17-C18-C20
18	Y	853	LHG	C23-C24-C25-C26
14	G	843	CLA	CBA-CGA-O2A-C1
14	Z	824	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	C14-C13-C15-C16
14	B	825	CLA	C11-C10-C8-C9
18	Y	852	LHG	C15-C16-C17-C18
14	B	813	CLA	C10-C11-C12-C13
14	A	816	CLA	C4C-C3C-CAC-CBC
18	G	851	LHG	C25-C26-C27-C28
18	Y	852	LHG	C11-C10-C9-C8
18	Y	852	LHG	C28-C29-C30-C31
19	Z	847	LMG	C19-C20-C21-C22
14	Z	817	CLA	O1D-CGD-O2D-CED
14	A	804	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B	828	CLA	C5-C6-C7-C8
14	G	819	CLA	C8-C10-C11-C12
14	L	207	CLA	C10-C11-C12-C13
14	Y	855	CLA	C8-C10-C11-C12
14	G	829	CLA	O1A-CGA-O2A-C1
18	A	850	LHG	C16-C17-C18-C19
18	A	851	LHG	C25-C26-C27-C28
18	A	850	LHG	C11-C10-C9-C8
14	Y	803	CLA	C5-C6-C7-C8
14	A	840	CLA	C3-C5-C6-C7
14	Y	827	CLA	CBA-CGA-O2A-C1
17	H	843	BCR	C15-C16-C17-C18
17	H	843	BCR	C19-C20-C21-C22
17	Y	850	BCR	C9-C10-C11-C12
14	A	841	CLA	C16-C17-C18-C19
14	G	826	CLA	C11-C12-C13-C14
14	G	841	CLA	C16-C17-C18-C19
14	H	813	CLA	C16-C17-C18-C19
14	Z	814	CLA	C6-C7-C8-C9
15	B	842	PQN	C26-C27-C28-C29
14	B	808	CLA	C15-C16-C17-C18
14	H	812	CLA	C5-C6-C7-C8
14	B	805	CLA	C2C-C3C-CAC-CBC
14	G	806	CLA	O1D-CGD-O2D-CED
14	B	826	CLA	C10-C11-C12-C13
14	G	842	CLA	C5-C6-C7-C8
17	G	850	BCR	C11-C12-C13-C35
17	f	104	BCR	C36-C18-C19-C20
17	J	104	BCR	C17-C18-C19-C20
17	T	102	BCR	C21-C22-C23-C24
14	A	840	CLA	C5-C6-C7-C8
14	G	839	CLA	C2A-CAA-CBA-CGA
14	H	811	CLA	C2A-CAA-CBA-CGA
14	Z	810	CLA	C2A-CAA-CBA-CGA
14	f	102	CLA	C2A-CAA-CBA-CGA
14	A	821	CLA	C16-C17-C18-C20
14	A	822	CLA	C16-C17-C18-C19
14	G	837	CLA	C16-C17-C18-C20
14	H	810	CLA	C6-C7-C8-C10
14	H	824	CLA	C16-C17-C18-C19
14	Y	811	CLA	C16-C17-C18-C20
14	Z	805	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	h	205	CLA	C16-C17-C18-C19
15	H	839	PQN	C26-C27-C28-C30
18	A	850	LHG	C29-C30-C31-C32
14	A	812	CLA	C4-C3-C5-C6
18	H	847	LHG	C28-C29-C30-C31
14	B	833	CLA	C5-C6-C7-C8
14	H	812	CLA	C13-C15-C16-C17
14	H	824	CLA	C15-C16-C17-C18
14	Z	809	CLA	C5-C6-C7-C8
18	G	851	LHG	C33-C34-C35-C36
19	H	846	LMG	C14-C15-C16-C17
14	A	826	CLA	C10-C11-C12-C13
14	B	808	CLA	C10-C11-C12-C13
14	G	824	CLA	C10-C11-C12-C13
14	G	832	CLA	C15-C16-C17-C18
14	H	837	CLA	C8-C10-C11-C12
14	Y	804	CLA	C8-C10-C11-C12
14	Y	818	CLA	C8-C10-C11-C12
14	Y	838	CLA	C13-C15-C16-C17
14	Z	824	CLA	C10-C11-C12-C13
18	G	851	LHG	C7-C8-C9-C10
18	Y	853	LHG	C24-C25-C26-C27
18	B	850	LHG	C13-C14-C15-C16
14	Y	827	CLA	CBD-CGD-O2D-CED
14	G	839	CLA	C8-C10-C11-C12
14	H	826	CLA	C10-C11-C12-C13
14	H	827	CLA	C10-C11-C12-C13
14	U	1003	CLA	C10-C11-C12-C13
14	Y	806	CLA	C5-C6-C7-C8
14	A	840	CLA	C16-C17-C18-C20
14	G	822	CLA	C16-C17-C18-C20
14	Q	201	CLA	C16-C17-C18-C19
14	U	1003	CLA	C16-C17-C18-C19
14	Y	854	CLA	C16-C17-C18-C19
14	G	828	CLA	O1A-CGA-O2A-C1
14	Z	815	CLA	O1D-CGD-O2D-CED
18	A	850	LHG	C25-C26-C27-C28
14	A	811	CLA	C8-C10-C11-C12
14	B	832	CLA	C5-C6-C7-C8
14	B	806	CLA	O1D-CGD-O2D-CED
18	A	850	LHG	C30-C31-C32-C33
14	A	812	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	Y	819	CLA	C3-C5-C6-C7
18	j	101	LHG	O7-C5-C6-O8
18	B	850	LHG	C25-C26-C27-C28
14	G	804	CLA	CBA-CGA-O2A-C1
14	Z	824	CLA	O1A-CGA-O2A-C1
19	B	849	LMG	C11-C12-C13-C14
14	B	823	CLA	C10-C11-C12-C13
14	B	826	CLA	C13-C15-C16-C17
14	G	817	CLA	C5-C6-C7-C8
14	H	804	CLA	C15-C16-C17-C18
14	H	828	CLA	C10-C11-C12-C13
14	S	1101	CLA	C4C-C3C-CAC-CBC
14	B	824	CLA	C2-C1-O2A-CGA
14	H	805	CLA	C2-C1-O2A-CGA
17	H	844	BCR	C9-C10-C11-C12
14	A	829	CLA	C16-C17-C18-C19
14	G	842	CLA	C16-C17-C18-C19
14	Y	820	CLA	C11-C12-C13-C14
14	B	806	CLA	C15-C16-C17-C18
14	B	827	CLA	C10-C11-C12-C13
14	G	805	CLA	C10-C11-C12-C13
14	G	811	CLA	C5-C6-C7-C8
14	f	102	CLA	C5-C6-C7-C8
14	h	201	CLA	C13-C15-C16-C17
18	G	851	LHG	C11-C12-C13-C14
14	Y	826	CLA	C3-C5-C6-C7
14	Z	817	CLA	C3-C5-C6-C7
14	G	832	CLA	C2-C3-C5-C6
14	A	811	CLA	C2A-CAA-CBA-CGA
14	G	812	CLA	C2A-CAA-CBA-CGA
14	H	827	CLA	C2A-CAA-CBA-CGA
14	Y	813	CLA	C2A-CAA-CBA-CGA
14	H	819	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	C10-C11-C12-C13
14	U	1003	CLA	C13-C15-C16-C17
14	Y	830	CLA	C13-C15-C16-C17
14	A	830	CLA	O1D-CGD-O2D-CED
19	Z	847	LMG	C16-C17-C18-C19
14	H	805	CLA	C16-C17-C18-C20
15	A	843	PQN	C26-C27-C28-C30
14	G	833	CLA	C2C-C3C-CAC-CBC
14	G	839	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	B	841	CLA	O1D-CGD-O2D-CED
14	G	843	CLA	O1A-CGA-O2A-C1
14	H	802	CLA	O1A-CGA-O2A-C1
14	Y	827	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	C3-C5-C6-C7
14	A	803	CLA	C1A-C2A-CAA-CBA
14	A	808	CLA	C1A-C2A-CAA-CBA
14	A	809	CLA	C1A-C2A-CAA-CBA
14	A	816	CLA	C1A-C2A-CAA-CBA
14	A	818	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	836	CLA	C1A-C2A-CAA-CBA
14	A	838	CLA	C1A-C2A-CAA-CBA
14	A	840	CLA	C1A-C2A-CAA-CBA
14	B	811	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	C1A-C2A-CAA-CBA
14	B	821	CLA	C1A-C2A-CAA-CBA
14	B	825	CLA	C1A-C2A-CAA-CBA
14	B	832	CLA	C1A-C2A-CAA-CBA
14	B	838	CLA	C1A-C2A-CAA-CBA
14	B	841	CLA	C1A-C2A-CAA-CBA
14	G	806	CLA	C1A-C2A-CAA-CBA
14	G	808	CLA	C1A-C2A-CAA-CBA
14	G	809	CLA	C1A-C2A-CAA-CBA
14	G	818	CLA	C1A-C2A-CAA-CBA
14	G	819	CLA	C1A-C2A-CAA-CBA
14	G	820	CLA	C1A-C2A-CAA-CBA
14	G	824	CLA	C1A-C2A-CAA-CBA
14	G	836	CLA	C1A-C2A-CAA-CBA
14	G	840	CLA	C1A-C2A-CAA-CBA
14	H	804	CLA	C1A-C2A-CAA-CBA
14	H	813	CLA	C1A-C2A-CAA-CBA
14	H	817	CLA	C1A-C2A-CAA-CBA
14	H	819	CLA	C1A-C2A-CAA-CBA
14	H	826	CLA	C1A-C2A-CAA-CBA
14	H	830	CLA	C1A-C2A-CAA-CBA
14	H	832	CLA	C1A-C2A-CAA-CBA
14	L	206	CLA	C1A-C2A-CAA-CBA
14	U	1003	CLA	C1A-C2A-CAA-CBA
14	Y	808	CLA	C1A-C2A-CAA-CBA
14	Y	821	CLA	C1A-C2A-CAA-CBA
14	Y	832	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	Y	837	CLA	C1A-C2A-CAA-CBA
14	Y	839	CLA	C1A-C2A-CAA-CBA
14	Z	811	CLA	C1A-C2A-CAA-CBA
14	Z	816	CLA	C1A-C2A-CAA-CBA
14	Z	817	CLA	C1A-C2A-CAA-CBA
14	Z	819	CLA	C1A-C2A-CAA-CBA
14	Z	824	CLA	C1A-C2A-CAA-CBA
14	Z	825	CLA	C1A-C2A-CAA-CBA
14	Z	829	CLA	C1A-C2A-CAA-CBA
14	Z	831	CLA	C1A-C2A-CAA-CBA
14	Z	837	CLA	C1A-C2A-CAA-CBA
14	Z	839	CLA	C1A-C2A-CAA-CBA
14	g	101	CLA	C1A-C2A-CAA-CBA
14	j	102	CLA	C1A-C2A-CAA-CBA
18	B	850	LHG	C7-C8-C9-C10
14	A	809	CLA	C8-C10-C11-C12
14	Y	809	CLA	C8-C10-C11-C12
19	H	846	LMG	C18-C19-C20-C21
14	Y	813	CLA	C8-C10-C11-C12
14	Z	836	CLA	C5-C6-C7-C8
18	H	847	LHG	O6-C4-C5-C6
18	A	850	LHG	O9-C7-O7-C5
14	Q	201	CLA	C3-C5-C6-C7
14	A	804	CLA	O1D-CGD-O2D-CED
13	Y	801	CL0	C6-C7-C8-C10
13	Y	801	CL0	C12-C13-C15-C16
14	A	804	CLA	C11-C10-C8-C7
14	A	808	CLA	C12-C13-C15-C16
14	A	819	CLA	C6-C7-C8-C10
14	A	822	CLA	C11-C12-C13-C15
14	A	825	CLA	C11-C10-C8-C7
14	A	832	CLA	C11-C10-C8-C7
14	B	801	CLA	C6-C7-C8-C10
14	B	802	CLA	C6-C7-C8-C10
14	B	806	CLA	C6-C7-C8-C10
14	B	814	CLA	C12-C13-C15-C16
14	B	819	CLA	C11-C10-C8-C7
14	B	832	CLA	C12-C13-C15-C16
14	B	840	CLA	C11-C12-C13-C15
14	G	802	CLA	C11-C12-C13-C15
14	G	805	CLA	C12-C13-C15-C16
14	G	821	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	G	825	CLA	C11-C10-C8-C7
14	G	828	CLA	C12-C13-C15-C16
14	G	837	CLA	C12-C13-C15-C16
14	G	842	CLA	C11-C12-C13-C15
14	H	804	CLA	C6-C7-C8-C10
14	H	805	CLA	C6-C7-C8-C10
14	H	824	CLA	C6-C7-C8-C10
14	H	824	CLA	C11-C10-C8-C7
14	H	825	CLA	C6-C7-C8-C10
14	H	837	CLA	C12-C13-C15-C16
14	L	205	CLA	C11-C12-C13-C15
14	L	205	CLA	C12-C13-C15-C16
14	U	1002	CLA	C6-C7-C8-C10
14	Y	804	CLA	C6-C7-C8-C10
14	Y	805	CLA	C11-C10-C8-C7
14	Y	806	CLA	C12-C13-C15-C16
14	Y	819	CLA	C6-C7-C8-C10
14	Y	824	CLA	C6-C7-C8-C10
14	Y	828	CLA	C12-C13-C15-C16
14	Y	854	CLA	C12-C13-C15-C16
14	Z	811	CLA	C6-C7-C8-C10
14	Z	815	CLA	C6-C7-C8-C10
14	Z	817	CLA	C6-C7-C8-C10
14	Z	836	CLA	C12-C13-C15-C16
14	h	206	CLA	C11-C10-C8-C7
14	h	206	CLA	C11-C12-C13-C15
18	A	851	LHG	C28-C29-C30-C31
14	H	821	CLA	C6-C7-C8-C10
14	B	818	CLA	C8-C10-C11-C12
14	S	1101	CLA	C10-C11-C12-C13
14	Z	827	CLA	C5-C6-C7-C8
14	G	804	CLA	O1A-CGA-O2A-C1
14	H	812	CLA	C10-C11-C12-C13
14	Y	832	CLA	C8-C10-C11-C12
18	G	851	LHG	C23-C24-C25-C26
14	A	804	CLA	C2-C3-C5-C6
14	B	838	CLA	C2-C3-C5-C6
14	Y	803	CLA	C2-C3-C5-C6
14	Z	817	CLA	C2-C3-C5-C6
14	Q	201	CLA	C5-C6-C7-C8
14	Z	815	CLA	C5-C6-C7-C8
15	H	839	PQN	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
14	B	819	CLA	C2A-CAA-CBA-CGA
14	B	831	CLA	C2A-CAA-CBA-CGA
14	G	818	CLA	C2A-CAA-CBA-CGA
14	H	821	CLA	C2A-CAA-CBA-CGA
14	Y	838	CLA	C2A-CAA-CBA-CGA
14	Y	842	CLA	C2A-CAA-CBA-CGA
13	Y	801	CL0	C14-C13-C15-C16
14	A	806	CLA	C6-C7-C8-C9
14	A	819	CLA	C6-C7-C8-C9
14	B	803	CLA	C11-C10-C8-C9
14	B	807	CLA	C11-C12-C13-C14
14	B	814	CLA	C14-C13-C15-C16
14	B	819	CLA	C11-C10-C8-C9
14	B	823	CLA	C11-C10-C8-C9
14	B	840	CLA	C11-C12-C13-C14
14	G	825	CLA	C11-C10-C8-C9
14	G	842	CLA	C11-C12-C13-C14
14	H	801	CLA	C11-C12-C13-C14
14	H	805	CLA	C6-C7-C8-C9
14	H	812	CLA	C11-C10-C8-C9
14	H	817	CLA	C11-C10-C8-C9
14	H	818	CLA	C11-C10-C8-C9
14	H	824	CLA	C6-C7-C8-C9
14	H	835	CLA	C14-C13-C15-C16
14	L	205	CLA	C14-C13-C15-C16
14	Q	201	CLA	C11-C12-C13-C14
14	U	1002	CLA	C11-C12-C13-C14
14	Y	804	CLA	C11-C10-C8-C9
14	Y	806	CLA	C14-C13-C15-C16
14	Y	809	CLA	C11-C12-C13-C14
14	Y	811	CLA	C11-C12-C13-C14
14	Y	824	CLA	C6-C7-C8-C9
14	Y	829	CLA	C14-C13-C15-C16
14	Y	838	CLA	C14-C13-C15-C16
14	Z	836	CLA	C14-C13-C15-C16
15	G	844	PQN	C21-C22-C23-C24
15	Z	840	PQN	C21-C22-C23-C24
17	Y	846	BCR	C19-C20-C21-C22
17	Y	850	BCR	C19-C20-C21-C22
14	A	813	CLA	CBA-CGA-O2A-C1
14	B	841	CLA	CBA-CGA-O2A-C1
14	G	805	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	837	CLA	CBA-CGA-O2A-C1
14	Z	805	CLA	CBA-CGA-O2A-C1
14	Z	820	CLA	CBA-CGA-O2A-C1
14	A	808	CLA	C5-C6-C7-C8
14	B	832	CLA	C13-C15-C16-C17
15	B	842	PQN	C15-C16-C17-C18
14	Z	807	CLA	O1D-CGD-O2D-CED
14	K	101	CLA	C4C-C3C-CAC-CBC
14	B	803	CLA	C8-C10-C11-C12
14	Z	839	CLA	C8-C10-C11-C12
18	j	101	LHG	C4-C5-C6-O8
19	Z	847	LMG	C39-C40-C41-C42
14	A	818	CLA	C13-C15-C16-C17
14	Y	818	CLA	C2C-C3C-CAC-CBC
14	A	803	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	CBA-CGA-O2A-C1
14	A	836	CLA	CBA-CGA-O2A-C1
14	H	837	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	C16-C17-C18-C19
14	B	808	CLA	C16-C17-C18-C20
14	Y	827	CLA	C16-C17-C18-C19
14	A	804	CLA	C10-C11-C12-C13
14	j	102	CLA	O1D-CGD-O2D-CED
14	H	818	CLA	O1D-CGD-O2D-CED
14	Z	814	CLA	O1D-CGD-O2D-CED
17	R	102	BCR	C16-C17-C18-C36
17	U	1008	BCR	C11-C10-C9-C34
17	Y	856	BCR	C16-C17-C18-C36
17	f	105	BCR	C11-C10-C9-C34
14	G	830	CLA	C5-C6-C7-C8
14	h	207	CLA	C13-C15-C16-C17
14	G	832	CLA	C4-C3-C5-C6
14	H	827	CLA	C2C-C3C-CAC-CBC
14	A	819	CLA	C2-C3-C5-C6
14	A	829	CLA	C5-C6-C7-C8
14	H	830	CLA	C5-C6-C7-C8
14	H	837	CLA	O1A-CGA-O2A-C1
14	B	801	CLA	C13-C15-C16-C17
14	G	808	CLA	C8-C10-C11-C12
14	G	829	CLA	C15-C16-C17-C18
14	S	1101	CLA	C5-C6-C7-C8
14	Y	818	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	Y	839	CLA	C2A-CAA-CBA-CGA
14	Y	833	CLA	C10-C11-C12-C13
14	Z	825	CLA	C8-C10-C11-C12
14	U	1006	CLA	CBA-CGA-O2A-C1
17	H	844	BCR	C10-C11-C12-C13
17	L	209	BCR	C18-C19-C20-C21
14	A	808	CLA	C15-C16-C17-C18
14	A	811	CLA	C13-C15-C16-C17
14	G	808	CLA	C15-C16-C17-C18
14	Y	825	CLA	C13-C15-C16-C17
18	B	850	LHG	C27-C28-C29-C30
18	Y	852	LHG	C25-C26-C27-C28
17	f	103	BCR	C19-C20-C21-C22
14	A	821	CLA	C16-C17-C18-C19
14	G	826	CLA	C11-C12-C13-C15
14	Y	803	CLA	C16-C17-C18-C19
14	B	807	CLA	C15-C16-C17-C18
14	Z	827	CLA	C8-C10-C11-C12
17	A	845	BCR	C16-C17-C18-C19
17	h	203	BCR	C16-C17-C18-C19
14	Z	825	CLA	C5-C6-C7-C8
14	A	830	CLA	CBA-CGA-O2A-C1
14	L	201	CLA	CBA-CGA-O2A-C1
14	Y	824	CLA	CBA-CGA-O2A-C1
14	Y	826	CLA	CBA-CGA-O2A-C1
14	Y	841	CLA	CBA-CGA-O2A-C1
14	Z	817	CLA	CBA-CGA-O2A-C1
14	U	1006	CLA	O1A-CGA-O2A-C1
14	B	803	CLA	C13-C15-C16-C17
14	A	804	CLA	C4-C3-C5-C6
14	Z	817	CLA	C4-C3-C5-C6
14	B	826	CLA	C2-C3-C5-C6
14	Z	812	CLA	C2-C3-C5-C6
18	H	847	LHG	C13-C14-C15-C16
18	A	850	LHG	C33-C34-C35-C36
14	G	837	CLA	C16-C17-C18-C19
14	H	813	CLA	C16-C17-C18-C20
14	Z	820	CLA	C6-C7-C8-C10
14	B	811	CLA	CBA-CGA-O2A-C1
14	H	809	CLA	CBA-CGA-O2A-C1
14	Y	854	CLA	CBA-CGA-O2A-C1
14	B	811	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	Y	803	CLA	O1D-CGD-O2D-CED
18	A	850	LHG	C13-C14-C15-C16
14	U	1004	CLA	C2A-CAA-CBA-CGA
18	G	852	LHG	C26-C27-C28-C29
14	A	852	CLA	C16-C17-C18-C19
14	Y	822	CLA	C15-C16-C17-C18
14	Z	811	CLA	C8-C10-C11-C12
14	A	809	CLA	CBA-CGA-O2A-C1
14	H	805	CLA	CBA-CGA-O2A-C1
14	G	837	CLA	O1A-CGA-O2A-C1
17	h	203	BCR	C14-C15-C16-C17
14	G	836	CLA	O1D-CGD-O2D-CED
14	H	805	CLA	O1D-CGD-O2D-CED
18	Y	852	LHG	C19-C20-C21-C22
14	A	812	CLA	C4C-C3C-CAC-CBC
14	H	835	CLA	C8-C10-C11-C12
14	Y	805	CLA	C13-C15-C16-C17
17	A	845	BCR	C15-C16-C17-C18
14	A	841	CLA	C16-C17-C18-C20
14	G	841	CLA	C16-C17-C18-C20
14	A	819	CLA	C4-C3-C5-C6
14	B	833	CLA	C4-C3-C5-C6
14	Y	821	CLA	C4-C3-C5-C6
14	Y	822	CLA	C4-C3-C5-C6
15	Y	844	PQN	C14-C13-C15-C16
14	A	813	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C2-C3-C5-C6
14	A	807	CLA	CBA-CGA-O2A-C1
14	G	803	CLA	CBA-CGA-O2A-C1
18	A	851	LHG	C24-C23-O8-C6
14	G	828	CLA	C13-C15-C16-C17
18	Y	852	LHG	C31-C32-C33-C34
13	Y	801	CL0	C6-C7-C8-C9
14	A	804	CLA	C11-C10-C8-C9
14	A	806	CLA	C14-C13-C15-C16
14	A	818	CLA	C11-C10-C8-C9
14	A	821	CLA	C11-C10-C8-C9
14	A	822	CLA	C11-C12-C13-C14
14	A	825	CLA	C11-C10-C8-C9
14	A	832	CLA	C11-C10-C8-C9
14	A	832	CLA	C14-C13-C15-C16
14	B	802	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	B	810	CLA	C11-C10-C8-C9
14	B	813	CLA	C6-C7-C8-C9
14	B	832	CLA	C14-C13-C15-C16
14	G	802	CLA	C11-C12-C13-C14
14	G	811	CLA	C6-C7-C8-C9
14	G	827	CLA	C11-C12-C13-C14
14	G	828	CLA	C14-C13-C15-C16
14	G	833	CLA	C14-C13-C15-C16
14	G	837	CLA	C6-C7-C8-C9
14	G	837	CLA	C14-C13-C15-C16
14	H	801	CLA	C14-C13-C15-C16
14	H	804	CLA	C11-C10-C8-C9
14	H	807	CLA	C11-C12-C13-C14
14	H	809	CLA	C14-C13-C15-C16
14	H	822	CLA	C6-C7-C8-C9
14	L	205	CLA	C11-C12-C13-C14
14	L	206	CLA	C14-C13-C15-C16
14	U	1002	CLA	C6-C7-C8-C9
14	U	1004	CLA	C6-C7-C8-C9
14	Y	805	CLA	C11-C10-C8-C9
14	Y	819	CLA	C6-C7-C8-C9
14	Y	822	CLA	C11-C12-C13-C14
14	Y	828	CLA	C14-C13-C15-C16
14	Y	840	CLA	C11-C10-C8-C9
14	Y	854	CLA	C14-C13-C15-C16
14	Z	811	CLA	C6-C7-C8-C9
14	Z	817	CLA	C6-C7-C8-C9
14	Z	825	CLA	C14-C13-C15-C16
14	h	206	CLA	C11-C10-C8-C9
14	h	206	CLA	C11-C12-C13-C14
14	U	1006	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	C5-C6-C7-C8
14	Y	832	CLA	C13-C15-C16-C17
14	A	817	CLA	C4B-C3B-CAB-CBB
14	A	842	CLA	C4B-C3B-CAB-CBB
14	B	817	CLA	C4B-C3B-CAB-CBB
14	B	828	CLA	C4B-C3B-CAB-CBB
14	G	814	CLA	C4B-C3B-CAB-CBB
14	G	835	CLA	C4B-C3B-CAB-CBB
14	G	842	CLA	C4B-C3B-CAB-CBB
14	G	843	CLA	C4B-C3B-CAB-CBB
14	H	824	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	H	827	CLA	C4B-C3B-CAB-CBB
14	H	837	CLA	C4B-C3B-CAB-CBB
14	U	1002	CLA	C4B-C3B-CAB-CBB
14	W	1701	CLA	C4B-C3B-CAB-CBB
14	Y	826	CLA	C4B-C3B-CAB-CBB
14	Y	831	CLA	C4B-C3B-CAB-CBB
14	Y	855	CLA	C4B-C3B-CAB-CBB
14	Z	801	CLA	C4B-C3B-CAB-CBB
14	Z	808	CLA	C4B-C3B-CAB-CBB
14	Z	817	CLA	C4B-C3B-CAB-CBB
14	Z	818	CLA	C4B-C3B-CAB-CBB
14	Z	820	CLA	C4B-C3B-CAB-CBB
14	Z	825	CLA	C4B-C3B-CAB-CBB
14	Z	829	CLA	C4B-C3B-CAB-CBB
14	Z	838	CLA	C4B-C3B-CAB-CBB
14	A	805	CLA	C8-C10-C11-C12
18	G	851	LHG	C35-C36-C37-C38
14	H	805	CLA	C16-C17-C18-C19
14	G	830	CLA	C2A-CAA-CBA-CGA
14	Z	818	CLA	C2A-CAA-CBA-CGA
14	g	101	CLA	C2A-CAA-CBA-CGA
18	B	850	LHG	C9-C10-C11-C12
18	G	851	LHG	C11-C10-C9-C8
14	B	841	CLA	C3-C5-C6-C7
14	G	802	CLA	C3-C5-C6-C7
18	H	847	LHG	C29-C30-C31-C32
18	A	850	LHG	O6-C4-C5-C6
14	A	803	CLA	C6-C7-C8-C10
14	A	805	CLA	C11-C10-C8-C7
14	A	806	CLA	C12-C13-C15-C16
14	A	809	CLA	C12-C13-C15-C16
14	A	820	CLA	C11-C10-C8-C7
14	A	821	CLA	C11-C10-C8-C7
14	A	822	CLA	C11-C10-C8-C7
14	A	833	CLA	C6-C7-C8-C10
14	B	803	CLA	C11-C10-C8-C7
14	B	809	CLA	C11-C12-C13-C15
14	B	810	CLA	C11-C10-C8-C7
14	B	813	CLA	C6-C7-C8-C10
14	B	826	CLA	C12-C13-C15-C16
14	B	841	CLA	C11-C10-C8-C7
14	G	811	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	G	818	CLA	C11-C12-C13-C15
14	G	820	CLA	C6-C7-C8-C10
14	G	833	CLA	C12-C13-C15-C16
14	G	837	CLA	C6-C7-C8-C10
14	H	801	CLA	C11-C12-C13-C15
14	H	801	CLA	C12-C13-C15-C16
14	H	803	CLA	C12-C13-C15-C16
14	H	809	CLA	C12-C13-C15-C16
14	H	812	CLA	C11-C10-C8-C7
14	H	813	CLA	C11-C10-C8-C7
14	H	813	CLA	C11-C12-C13-C15
14	H	813	CLA	C12-C13-C15-C16
14	H	817	CLA	C11-C10-C8-C7
14	H	818	CLA	C11-C10-C8-C7
14	H	825	CLA	C12-C13-C15-C16
14	H	835	CLA	C6-C7-C8-C10
14	H	835	CLA	C12-C13-C15-C16
14	L	206	CLA	C6-C7-C8-C10
14	Q	201	CLA	C11-C12-C13-C15
14	U	1002	CLA	C11-C12-C13-C15
14	U	1004	CLA	C6-C7-C8-C10
14	Y	808	CLA	C11-C10-C8-C7
14	Y	809	CLA	C12-C13-C15-C16
14	Y	820	CLA	C6-C7-C8-C10
14	Y	829	CLA	C12-C13-C15-C16
14	Y	832	CLA	C11-C10-C8-C7
14	Y	833	CLA	C6-C7-C8-C10
14	Y	838	CLA	C12-C13-C15-C16
14	Y	840	CLA	C11-C10-C8-C7
14	Z	806	CLA	C11-C12-C13-C15
14	Z	824	CLA	C12-C13-C15-C16
14	Z	830	CLA	C11-C12-C13-C15
14	Z	838	CLA	C12-C13-C15-C16
15	Y	844	PQN	C17-C18-C20-C21
15	Z	840	PQN	C21-C22-C23-C25
14	B	813	CLA	C5-C6-C7-C8
14	G	804	CLA	C8-C10-C11-C12
14	H	809	CLA	C13-C15-C16-C17
14	Y	820	CLA	C8-C10-C11-C12
14	A	824	CLA	O1A-CGA-O2A-C1
14	A	836	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	Y	852	LHG	C33-C34-C35-C36
14	B	841	CLA	O1A-CGA-O2A-C1
14	Z	820	CLA	O1A-CGA-O2A-C1
14	A	806	CLA	C4-C3-C5-C6
14	A	811	CLA	C3A-C2A-CAA-CBA
14	A	826	CLA	C3A-C2A-CAA-CBA
14	A	833	CLA	C4-C3-C5-C6
14	A	840	CLA	C3A-C2A-CAA-CBA
14	B	819	CLA	C3A-C2A-CAA-CBA
14	B	831	CLA	C3A-C2A-CAA-CBA
14	B	838	CLA	C3A-C2A-CAA-CBA
14	G	827	CLA	C4-C3-C5-C6
14	G	831	CLA	C3A-C2A-CAA-CBA
14	G	834	CLA	C3A-C2A-CAA-CBA
14	G	841	CLA	C3A-C2A-CAA-CBA
14	H	802	CLA	C3A-C2A-CAA-CBA
14	H	838	CLA	C3A-C2A-CAA-CBA
14	Y	806	CLA	C3A-C2A-CAA-CBA
14	Y	819	CLA	C4-C3-C5-C6
14	Y	828	CLA	C3A-C2A-CAA-CBA
14	Z	829	CLA	C3A-C2A-CAA-CBA
14	h	207	CLA	C3A-C2A-CAA-CBA
14	B	802	CLA	C5-C6-C7-C8
14	G	809	CLA	C10-C11-C12-C13
15	Z	840	PQN	C25-C26-C27-C28
14	A	827	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	C2-C3-C5-C6
14	A	833	CLA	C2-C3-C5-C6
15	Y	844	PQN	C12-C13-C15-C16
18	G	851	LHG	C31-C32-C33-C34
14	Y	841	CLA	O1A-CGA-O2A-C1
14	A	824	CLA	C5-C6-C7-C8
17	G	848	BCR	C9-C10-C11-C12
17	J	104	BCR	C19-C20-C21-C22
17	Q	202	BCR	C19-C20-C21-C22
17	V	1202	BCR	C15-C16-C17-C18
17	Y	851	BCR	C9-C10-C11-C12
14	B	809	CLA	C16-C17-C18-C19
14	B	819	CLA	C11-C12-C13-C14
14	Y	843	CLA	C4C-C3C-CAC-CBC
17	J	104	BCR	C36-C18-C19-C20
18	j	101	LHG	C11-C10-C9-C8

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Mol	Chain	Res	Type	Atoms
18	B	850	LHG	C30-C31-C32-C33
14	Y	808	CLA	C13-C15-C16-C17
17	A	847	BCR	C21-C22-C23-C24
14	Z	829	CLA	C2A-CAA-CBA-CGA
14	B	810	CLA	C15-C16-C17-C18
18	B	850	LHG	C4-C5-C6-O8
18	Y	852	LHG	C4-C5-C6-O8
18	Y	853	LHG	C4-C5-C6-O8
14	A	831	CLA	CBD-CGD-O2D-CED
14	B	828	CLA	C16-C17-C18-C20
14	L	207	CLA	C16-C17-C18-C20
14	B	817	CLA	C10-C11-C12-C13
14	A	809	CLA	O1A-CGA-O2A-C1
14	Y	826	CLA	O1A-CGA-O2A-C1
14	Z	816	CLA	C10-C11-C12-C13
14	A	824	CLA	C4-C3-C5-C6
14	B	838	CLA	C4-C3-C5-C6
14	Y	803	CLA	C4-C3-C5-C6
14	Y	824	CLA	C4-C3-C5-C6
14	B	833	CLA	C2-C3-C5-C6
14	G	827	CLA	C2-C3-C5-C6
14	Y	821	CLA	C2-C3-C5-C6
14	Y	822	CLA	C2-C3-C5-C6
14	Z	805	CLA	O1A-CGA-O2A-C1
14	B	805	CLA	C4C-C3C-CAC-CBC
14	Y	818	CLA	C16-C17-C18-C20
14	Y	819	CLA	C16-C17-C18-C19
18	A	850	LHG	O6-C4-C5-O7
18	A	851	LHG	O6-C4-C5-O7
18	G	852	LHG	O6-C4-C5-O7
14	B	817	CLA	C2B-C3B-CAB-CBB
14	H	837	CLA	C2B-C3B-CAB-CBB
14	U	1002	CLA	C2B-C3B-CAB-CBB
14	Z	838	CLA	C2B-C3B-CAB-CBB
17	B	845	BCR	C23-C24-C25-C26
17	B	851	BCR	C23-C24-C25-C30
17	H	841	BCR	C5-C6-C7-C8
17	H	843	BCR	C23-C24-C25-C26
17	H	848	BCR	C5-C6-C7-C8
17	T	102	BCR	C23-C24-C25-C30
17	Y	849	BCR	C5-C6-C7-C8
17	Z	846	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	h	203	BCR	C23-C24-C25-C30
14	G	841	CLA	CAA-CBA-CGA-O2A
14	A	803	CLA	C15-C16-C17-C18
14	B	802	CLA	C13-C15-C16-C17
14	B	829	CLA	C8-C10-C11-C12
14	G	833	CLA	C15-C16-C17-C18
14	G	841	CLA	C15-C16-C17-C18
14	Y	822	CLA	C13-C15-C16-C17
15	H	839	PQN	C15-C16-C17-C18
14	Y	805	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	C16-C17-C18-C20
14	B	809	CLA	C16-C17-C18-C20
14	G	842	CLA	C16-C17-C18-C20
14	Y	802	CLA	C16-C17-C18-C19
14	Y	820	CLA	CAA-CBA-CGA-O2A
14	H	811	CLA	O1D-CGD-O2D-CED
18	Y	853	LHG	O7-C5-C6-O8
19	Z	847	LMG	O1-C7-C8-O7
18	G	851	LHG	C15-C16-C17-C18
14	G	826	CLA	C4-C3-C5-C6
14	Q	201	CLA	C4-C3-C5-C6
17	B	846	BCR	C18-C19-C20-C21
14	A	811	CLA	C15-C16-C17-C18
14	G	842	CLA	C15-C16-C17-C18
14	A	806	CLA	C2-C3-C5-C6
14	Q	201	CLA	C2-C3-C5-C6
14	Y	819	CLA	C2-C3-C5-C6
14	Y	824	CLA	C2-C3-C5-C6
14	B	811	CLA	C4C-C3C-CAC-CBC
14	A	825	CLA	C16-C17-C18-C19
14	H	821	CLA	C6-C7-C8-C9
14	Z	821	CLA	C11-C12-C13-C14
18	Y	852	LHG	C7-C8-C9-C10
14	A	809	CLA	C14-C13-C15-C16
14	A	822	CLA	C11-C10-C8-C9
14	A	840	CLA	C11-C12-C13-C14
14	B	804	CLA	C11-C10-C8-C9
14	G	802	CLA	C6-C7-C8-C9
14	G	808	CLA	C11-C12-C13-C14
14	G	820	CLA	C6-C7-C8-C9
14	H	825	CLA	C14-C13-C15-C16
14	Y	834	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Z	824	CLA	C14-C13-C15-C16
14	Z	838	CLA	C11-C10-C8-C9
14	Z	839	CLA	C6-C7-C8-C9
14	A	841	CLA	C5-C6-C7-C8
14	H	835	CLA	C10-C11-C12-C13
18	A	850	LHG	C26-C27-C28-C29
14	Z	821	CLA	O1D-CGD-O2D-CED
17	Y	848	BCR	C14-C15-C16-C17
14	Z	808	CLA	C16-C17-C18-C19
14	Y	827	CLA	O1D-CGD-O2D-CED
14	U	1004	CLA	C13-C15-C16-C17
14	H	830	CLA	C3-C5-C6-C7
14	Z	821	CLA	C3-C5-C6-C7
17	L	209	BCR	C19-C20-C21-C22
13	A	801	CL0	CAA-CBA-CGA-O2A
14	Q	201	CLA	C16-C17-C18-C20
14	Z	820	CLA	C6-C7-C8-C9
14	Z	839	CLA	C10-C11-C12-C13
14	G	803	CLA	O1A-CGA-O2A-C1
14	Z	832	CLA	C2C-C3C-CAC-CBC
14	H	803	CLA	C13-C15-C16-C17
14	H	807	CLA	C5-C6-C7-C8
17	A	846	BCR	C16-C17-C18-C36
17	F	201	BCR	C16-C17-C18-C36
17	G	848	BCR	C11-C10-C9-C34
17	H	845	BCR	C11-C10-C9-C34
17	S	1104	BCR	C16-C17-C18-C36
14	Z	838	CLA	C3-C5-C6-C7
14	Y	805	CLA	CBA-CGA-O2A-C1
14	A	805	CLA	C10-C11-C12-C13
14	A	833	CLA	C5-C6-C7-C8
14	L	206	CLA	C10-C11-C12-C13
18	j	101	LHG	O6-C4-C5-C6
14	Z	801	CLA	C16-C17-C18-C19
19	Z	847	LMG	C12-C13-C14-C15
14	Z	806	CLA	O1A-CGA-O2A-C1
14	Y	841	CLA	C8-C10-C11-C12
15	H	839	PQN	C20-C21-C22-C23
18	A	850	LHG	C35-C36-C37-C38
14	A	830	CLA	C6-C7-C8-C10
14	A	840	CLA	C11-C12-C13-C15
14	B	804	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	B	813	CLA	C11-C10-C8-C7
14	G	803	CLA	C11-C12-C13-C15
14	G	809	CLA	C11-C12-C13-C15
14	G	832	CLA	C11-C10-C8-C7
14	H	805	CLA	C11-C10-C8-C7
14	S	1101	CLA	C11-C12-C13-C15
14	Y	811	CLA	C11-C12-C13-C15
14	Y	821	CLA	C11-C10-C8-C7
14	Y	827	CLA	C11-C12-C13-C15
14	Y	834	CLA	C12-C13-C15-C16
14	Y	842	CLA	C11-C12-C13-C15
14	Z	815	CLA	C12-C13-C15-C16
14	Z	816	CLA	C6-C7-C8-C10
14	Z	827	CLA	C11-C10-C8-C7
14	h	205	CLA	C6-C7-C8-C10
14	B	825	CLA	C15-C16-C17-C18
14	L	202	CLA	C10-C11-C12-C13
17	B	846	BCR	C17-C18-C19-C20
17	G	847	BCR	C11-C12-C13-C14
17	G	848	BCR	C7-C8-C9-C10
17	G	848	BCR	C21-C22-C23-C24
17	R	101	BCR	C17-C18-C19-C20
17	U	1005	BCR	C11-C12-C13-C14
17	f	103	BCR	C17-C18-C19-C20
14	Z	806	CLA	CBA-CGA-O2A-C1
14	H	809	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	O1A-CGA-O2A-C1
14	Y	824	CLA	O1A-CGA-O2A-C1
14	Y	854	CLA	O1A-CGA-O2A-C1
14	Z	817	CLA	O1A-CGA-O2A-C1
14	G	802	CLA	C2A-CAA-CBA-CGA
14	H	802	CLA	C16-C17-C18-C20
14	H	830	CLA	C6-C7-C8-C10
14	Y	841	CLA	C16-C17-C18-C19
14	Z	806	CLA	C16-C17-C18-C20
14	A	806	CLA	C2C-C3C-CAC-CBC
14	A	821	CLA	C4-C3-C5-C6
14	B	822	CLA	C4-C3-C5-C6
14	G	819	CLA	C4-C3-C5-C6
14	L	207	CLA	C4-C3-C5-C6
14	Y	827	CLA	C4-C3-C5-C6
14	A	822	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	L	207	CLA	CAA-CBA-CGA-O2A
14	A	830	CLA	O1A-CGA-O2A-C1
14	B	811	CLA	O1A-CGA-O2A-C1
14	Y	805	CLA	O1A-CGA-O2A-C1
18	A	851	LHG	O10-C23-O8-C6
14	A	828	CLA	C5-C6-C7-C8
14	B	803	CLA	C3-C5-C6-C7
14	G	811	CLA	C3-C5-C6-C7
15	A	843	PQN	C13-C15-C16-C17
18	Y	853	LHG	C25-C26-C27-C28
14	A	825	CLA	C5-C6-C7-C8
14	Z	838	CLA	C8-C10-C11-C12
14	A	807	CLA	O1A-CGA-O2A-C1
17	G	854	BCR	C15-C16-C17-C18
17	h	203	BCR	C19-C20-C21-C22
14	A	828	CLA	C16-C17-C18-C19
14	U	1006	CLA	C3-C5-C6-C7
14	Y	821	CLA	C3-C5-C6-C7
14	G	827	CLA	CBD-CGD-O2D-CED
17	F	201	BCR	C16-C17-C18-C19
17	Z	844	BCR	C20-C21-C22-C23
17	f	105	BCR	C11-C10-C9-C8
14	H	828	CLA	C13-C15-C16-C17
18	H	847	LHG	O6-C4-C5-O7
14	G	812	CLA	C6-C7-C8-C9
14	A	824	CLA	C2C-C3C-CAC-CBC
14	A	828	CLA	C13-C15-C16-C17
14	A	833	CLA	C15-C16-C17-C18
14	H	835	CLA	O1A-CGA-O2A-C1
14	G	809	CLA	C2A-CAA-CBA-CGA
14	Z	806	CLA	C2A-CAA-CBA-CGA
14	Y	834	CLA	C4C-C3C-CAC-CBC
14	H	838	CLA	C8-C10-C11-C12
14	Y	808	CLA	C8-C10-C11-C12
14	h	206	CLA	C13-C15-C16-C17
18	G	851	LHG	O7-C5-C6-O8
14	H	808	CLA	C8-C10-C11-C12
14	A	805	CLA	C11-C10-C8-C9
14	A	820	CLA	C11-C10-C8-C9
14	G	808	CLA	C6-C7-C8-C9
14	G	829	CLA	C14-C13-C15-C16
14	G	832	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	H	817	CLA	C6-C7-C8-C9
14	H	838	CLA	C6-C7-C8-C9
14	L	201	CLA	C14-C13-C15-C16
14	Y	808	CLA	C11-C10-C8-C9
14	Y	811	CLA	C6-C7-C8-C9
14	Y	827	CLA	C11-C10-C8-C9
14	Y	842	CLA	C11-C12-C13-C14
14	Z	807	CLA	C11-C12-C13-C14
14	Z	815	CLA	C14-C13-C15-C16
14	Z	825	CLA	C6-C7-C8-C9
14	G	833	CLA	C4C-C3C-CAC-CBC
14	B	819	CLA	C11-C12-C13-C15
14	H	826	CLA	C16-C17-C18-C20
14	S	1103	CLA	C6-C7-C8-C10
18	H	847	LHG	C12-C13-C14-C15
14	A	823	CLA	O1A-CGA-O2A-C1
14	H	805	CLA	O1A-CGA-O2A-C1
14	G	812	CLA	C2C-C3C-CAC-CBC
14	A	852	CLA	C13-C15-C16-C17
14	G	806	CLA	C5-C6-C7-C8
14	A	824	CLA	C4C-C3C-CAC-CBC
14	A	828	CLA	C15-C16-C17-C18
14	G	802	CLA	C10-C11-C12-C13
14	Z	807	CLA	C13-C15-C16-C17
14	Q	201	CLA	O1A-CGA-O2A-C1
14	H	834	CLA	C3-C5-C6-C7
14	B	813	CLA	CAA-CBA-CGA-O2A
14	A	824	CLA	C2-C1-O2A-CGA
14	U	1002	CLA	C2-C1-O2A-CGA
14	Y	819	CLA	C2-C1-O2A-CGA
14	Y	820	CLA	C2-C1-O2A-CGA
14	Y	838	CLA	C2-C1-O2A-CGA
14	Z	805	CLA	C2-C1-O2A-CGA
14	Z	815	CLA	C2-C1-O2A-CGA
14	Z	839	CLA	C2-C1-O2A-CGA
14	H	819	CLA	O1D-CGD-O2D-CED
14	G	819	CLA	CBA-CGA-O2A-C1
14	H	835	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	C16-C17-C18-C19
13	G	801	CL0	C8-C10-C11-C12
14	A	832	CLA	C15-C16-C17-C18
14	B	822	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	G	808	CLA	C13-C15-C16-C17
14	H	802	CLA	C8-C10-C11-C12
14	H	822	CLA	C10-C11-C12-C13
14	Z	830	CLA	C8-C10-C11-C12
14	Z	806	CLA	C4C-C3C-CAC-CBC
14	Z	829	CLA	C4C-C3C-CAC-CBC
14	U	1004	CLA	CAA-CBA-CGA-O2A
14	Y	827	CLA	C2-C3-C5-C6
14	Y	821	CLA	C8-C10-C11-C12
14	Y	821	CLA	C2A-CAA-CBA-CGA
14	B	828	CLA	C16-C17-C18-C19
14	G	833	CLA	C16-C17-C18-C20
14	H	801	CLA	C5-C6-C7-C8
14	Z	817	CLA	C10-C11-C12-C13
17	H	843	BCR	C14-C15-C16-C17
14	G	819	CLA	O1A-CGA-O2A-C1
14	B	838	CLA	C8-C10-C11-C12
14	Z	830	CLA	C3-C5-C6-C7
14	H	813	CLA	O1D-CGD-O2D-CED
17	B	845	BCR	C10-C11-C12-C13
17	J	103	BCR	C10-C11-C12-C13
17	Y	856	BCR	C18-C19-C20-C21
14	A	823	CLA	CBA-CGA-O2A-C1
14	B	819	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	C3-C5-C6-C7
14	H	835	CLA	C3-C5-C6-C7
15	B	842	PQN	C13-C15-C16-C17
13	G	801	CL0	C1A-C2A-CAA-CBA
14	A	830	CLA	C1A-C2A-CAA-CBA
14	B	812	CLA	C4B-C3B-CAB-CBB
14	B	837	CLA	C1A-C2A-CAA-CBA
14	G	805	CLA	C1A-C2A-CAA-CBA
14	G	816	CLA	C1A-C2A-CAA-CBA
14	G	816	CLA	C4B-C3B-CAB-CBB
14	G	823	CLA	C4B-C3B-CAB-CBB
14	G	831	CLA	C1A-C2A-CAA-CBA
14	H	802	CLA	C1A-C2A-CAA-CBA
14	J	101	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C4B-C3B-CAB-CBB
14	Q	201	CLA	C4B-C3B-CAB-CBB
14	S	1102	CLA	C4B-C3B-CAB-CBB
14	Y	811	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	Y	826	CLA	C1A-C2A-CAA-CBA
14	Z	828	CLA	C1A-C2A-CAA-CBA
14	h	206	CLA	C1A-C2A-CAA-CBA
14	h	207	CLA	C1A-C2A-CAA-CBA
14	G	825	CLA	CBA-CGA-O2A-C1
14	B	832	CLA	C4-C3-C5-C6
14	h	207	CLA	CAA-CBA-CGA-O2A
17	Y	847	BCR	C21-C22-C23-C24
17	Z	843	BCR	C11-C12-C13-C14
14	Y	839	CLA	C2C-C3C-CAC-CBC
14	B	840	CLA	C16-C17-C18-C19
14	H	815	CLA	C6-C7-C8-C10
14	B	818	CLA	C2A-CAA-CBA-CGA
14	G	806	CLA	C2A-CAA-CBA-CGA
14	G	843	CLA	C2A-CAA-CBA-CGA
14	Z	816	CLA	C2A-CAA-CBA-CGA
14	Z	837	CLA	C2A-CAA-CBA-CGA
18	A	851	LHG	O6-C4-C5-C6
18	G	852	LHG	O6-C4-C5-C6
14	L	206	CLA	CBD-CGD-O2D-CED
18	G	852	LHG	C29-C30-C31-C32
14	A	803	CLA	C11-C12-C13-C15
14	A	808	CLA	C11-C10-C8-C7
14	A	827	CLA	C11-C12-C13-C15
14	B	801	CLA	C11-C12-C13-C15
14	B	807	CLA	C6-C7-C8-C10
14	B	838	CLA	C11-C12-C13-C15
14	B	841	CLA	C11-C12-C13-C15
14	G	806	CLA	C12-C13-C15-C16
14	G	809	CLA	C6-C7-C8-C10
14	G	819	CLA	C11-C10-C8-C7
14	G	825	CLA	C12-C13-C15-C16
14	G	827	CLA	C11-C10-C8-C7
14	G	827	CLA	C12-C13-C15-C16
14	G	832	CLA	C6-C7-C8-C10
14	H	809	CLA	C6-C7-C8-C10
14	H	809	CLA	C11-C12-C13-C15
14	H	816	CLA	C11-C12-C13-C15
14	H	824	CLA	C12-C13-C15-C16
14	U	1002	CLA	C11-C10-C8-C7
14	U	1003	CLA	C11-C12-C13-C15
14	Y	809	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C11-C12-C13-C15
14	Y	832	CLA	C6-C7-C8-C10
14	Y	832	CLA	C11-C12-C13-C15
14	Y	855	CLA	C6-C7-C8-C10
14	Z	801	CLA	C11-C12-C13-C15
14	Z	804	CLA	C11-C12-C13-C15
14	Z	808	CLA	C11-C10-C8-C7
14	Z	817	CLA	C11-C10-C8-C7
14	Z	839	CLA	C11-C12-C13-C15
14	h	206	CLA	C6-C7-C8-C10
15	G	844	PQN	C22-C23-C25-C26
14	Y	840	CLA	C16-C17-C18-C20
14	Z	821	CLA	C11-C12-C13-C15
14	B	810	CLA	C8-C10-C11-C12
14	H	810	CLA	O1A-CGA-O2A-C1
14	B	814	CLA	C13-C15-C16-C17
15	A	843	PQN	C15-C16-C17-C18
14	H	834	CLA	CBD-CGD-O2D-CED
14	G	825	CLA	O1A-CGA-O2A-C1
14	G	819	CLA	C5-C6-C7-C8
19	B	849	LMG	C18-C19-C20-C21
14	A	809	CLA	C4-C3-C5-C6
14	G	829	CLA	C4-C3-C5-C6
14	B	808	CLA	C16-C17-C18-C19
14	B	822	CLA	C2-C3-C5-C6
14	G	808	CLA	C2A-CAA-CBA-CGA
14	U	1006	CLA	C2A-CAA-CBA-CGA
14	Y	818	CLA	C4C-C3C-CAC-CBC
14	A	837	CLA	C14-C13-C15-C16
14	B	813	CLA	C11-C10-C8-C9
14	G	803	CLA	C11-C12-C13-C14
14	H	835	CLA	C6-C7-C8-C9
14	U	1003	CLA	C11-C12-C13-C14
14	U	1004	CLA	C11-C12-C13-C14
14	Y	820	CLA	C6-C7-C8-C9
14	Y	821	CLA	C11-C10-C8-C9
14	Z	816	CLA	C6-C7-C8-C9
15	Y	844	PQN	C19-C18-C20-C21
14	B	840	CLA	C8-C10-C11-C12
17	A	848	BCR	C15-C16-C17-C18
17	Y	846	BCR	C15-C16-C17-C18
14	Z	834	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	827	CLA	C13-C15-C16-C17
14	A	806	CLA	C3-C5-C6-C7
14	G	816	CLA	O1D-CGD-O2D-CED
14	G	816	CLA	C2C-C3C-CAC-CBC
14	A	852	CLA	O1A-CGA-O2A-C1
14	A	819	CLA	C13-C15-C16-C17
14	Y	818	CLA	C13-C15-C16-C17
14	f	102	CLA	C6-C7-C8-C10
19	Z	847	LMG	O1-C7-C8-C9
14	H	825	CLA	CAD-CBD-CGD-O2D
14	Z	804	CLA	CAD-CBD-CGD-O2D
14	Z	824	CLA	CAD-CBD-CGD-O2D
14	Y	817	CLA	C5-C6-C7-C8
14	A	852	CLA	CBA-CGA-O2A-C1
14	Y	818	CLA	CBA-CGA-O2A-C1
14	Y	821	CLA	C16-C17-C18-C19
14	Y	829	CLA	C16-C17-C18-C20
18	A	850	LHG	C31-C32-C33-C34
14	h	205	CLA	C3-C5-C6-C7
14	Y	835	CLA	C2A-CAA-CBA-CGA
14	Z	803	CLA	C2A-CAA-CBA-CGA
14	L	201	CLA	C2C-C3C-CAC-CBC
14	A	825	CLA	CHA-CBD-CGD-O1D
14	A	837	CLA	CAD-CBD-CGD-O1D
14	B	805	CLA	CHA-CBD-CGD-O1D
14	B	805	CLA	CHA-CBD-CGD-O2D
14	G	820	CLA	CHA-CBD-CGD-O1D
14	G	830	CLA	CHA-CBD-CGD-O1D
14	G	830	CLA	CHA-CBD-CGD-O2D
14	H	807	CLA	CHA-CBD-CGD-O1D
14	H	807	CLA	CHA-CBD-CGD-O2D
14	H	813	CLA	CHA-CBD-CGD-O1D
14	H	813	CLA	CHA-CBD-CGD-O2D
14	H	824	CLA	CHA-CBD-CGD-O1D
14	H	824	CLA	CHA-CBD-CGD-O2D
14	H	825	CLA	CAD-CBD-CGD-O1D
14	H	830	CLA	CHA-CBD-CGD-O2D
14	L	202	CLA	CHA-CBD-CGD-O1D
14	S	1103	CLA	CHA-CBD-CGD-O1D
14	S	1103	CLA	CHA-CBD-CGD-O2D
14	Y	825	CLA	CAD-CBD-CGD-O1D
14	Y	827	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	Y	831	CLA	CHA-CBD-CGD-O1D
14	Y	831	CLA	CHA-CBD-CGD-O2D
14	Z	804	CLA	CAD-CBD-CGD-O1D
14	Z	824	CLA	CAD-CBD-CGD-O1D
14	Z	828	CLA	CHA-CBD-CGD-O1D
14	Z	832	CLA	CHA-CBD-CGD-O1D
14	Z	832	CLA	CHA-CBD-CGD-O2D
17	A	847	BCR	C19-C20-C21-C22
17	A	849	BCR	C19-C20-C21-C22
17	Y	847	BCR	C19-C20-C21-C22
17	Y	849	BCR	C19-C20-C21-C22
17	Z	846	BCR	C9-C10-C11-C12
18	A	850	LHG	C4-O6-P-O5
18	B	850	LHG	C3-O3-P-O5
18	G	851	LHG	C3-O3-P-O5
18	G	852	LHG	C3-O3-P-O5
18	Y	852	LHG	C3-O3-P-O5
18	j	101	LHG	C3-O3-P-O6
18	j	101	LHG	C4-O6-P-O5
14	A	806	CLA	C13-C15-C16-C17
18	A	851	LHG	C7-C8-C9-C10
14	U	1002	CLA	C4-C3-C5-C6
14	U	1004	CLA	C4-C3-C5-C6
14	B	812	CLA	C2B-C3B-CAB-CBB
14	B	826	CLA	C2B-C3B-CAB-CBB
14	B	827	CLA	C2B-C3B-CAB-CBB
14	G	803	CLA	C2B-C3B-CAB-CBB
14	G	816	CLA	C2B-C3B-CAB-CBB
14	H	803	CLA	C2B-C3B-CAB-CBB
14	J	101	CLA	C2B-C3B-CAB-CBB
14	L	206	CLA	C2B-C3B-CAB-CBB
14	S	1103	CLA	C2B-C3B-CAB-CBB
14	T	101	CLA	C2B-C3B-CAB-CBB
14	W	1701	CLA	C2B-C3B-CAB-CBB
14	Y	802	CLA	C2B-C3B-CAB-CBB
14	Y	811	CLA	C2B-C3B-CAB-CBB
14	Y	824	CLA	C2B-C3B-CAB-CBB
14	Y	836	CLA	C2B-C3B-CAB-CBB
14	Y	854	CLA	C2B-C3B-CAB-CBB
14	Z	828	CLA	C2B-C3B-CAB-CBB
14	f	102	CLA	C2B-C3B-CAB-CBB
17	A	848	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	Y	850	BCR	C23-C24-C25-C30
14	B	832	CLA	C2-C3-C5-C6
14	L	207	CLA	C2-C3-C5-C6
14	G	822	CLA	C5-C6-C7-C8
17	Z	843	BCR	C11-C12-C13-C35
18	A	850	LHG	C2-C3-O3-P
13	A	801	CL0	C16-C17-C18-C20
14	Y	835	CLA	C6-C7-C8-C9
14	A	831	CLA	O1D-CGD-O2D-CED
14	B	808	CLA	C2C-C3C-CAC-CBC
14	G	821	CLA	C2A-CAA-CBA-CGA
18	A	850	LHG	C27-C28-C29-C30
13	A	801	CL0	C16-C17-C18-C19
14	H	808	CLA	C16-C17-C18-C19
18	H	847	LHG	C23-C24-C25-C26
14	Y	818	CLA	O1A-CGA-O2A-C1
15	B	842	PQN	C18-C20-C21-C22
17	B	844	BCR	C18-C19-C20-C21
17	K	102	BCR	C18-C19-C20-C21
17	Q	204	BCR	C10-C11-C12-C13
17	R	101	BCR	C18-C19-C20-C21
17	T	102	BCR	C18-C19-C20-C21
17	U	1007	BCR	C10-C11-C12-C13
17	e	101	BCR	C18-C19-C20-C21
14	H	815	CLA	C5-C6-C7-C8
14	Y	824	CLA	C10-C11-C12-C13
14	G	819	CLA	C2-C3-C5-C6
17	L	203	BCR	C9-C10-C11-C12
17	Q	202	BCR	C9-C10-C11-C12
17	S	1104	BCR	C15-C16-C17-C18
14	G	830	CLA	C10-C11-C12-C13
14	U	1003	CLA	C2C-C3C-CAC-CBC
13	A	801	CL0	C11-C12-C13-C14
14	B	818	CLA	C6-C7-C8-C9
14	B	825	CLA	C11-C12-C13-C14
14	B	826	CLA	C6-C7-C8-C9
14	B	826	CLA	C14-C13-C15-C16
14	G	806	CLA	C11-C10-C8-C9
14	G	809	CLA	C11-C12-C13-C14
14	H	828	CLA	C6-C7-C8-C9
14	H	838	CLA	C14-C13-C15-C16
14	Y	809	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Y	822	CLA	C6-C7-C8-C9
14	Y	832	CLA	C14-C13-C15-C16
14	Y	838	CLA	C11-C12-C13-C14
14	Y	854	CLA	C6-C7-C8-C9
14	Z	827	CLA	C11-C10-C8-C9
14	Z	830	CLA	C14-C13-C15-C16
14	h	207	CLA	C11-C10-C8-C9
14	A	837	CLA	C12-C13-C15-C16
14	B	807	CLA	C11-C10-C8-C7
14	G	829	CLA	C12-C13-C15-C16
14	H	817	CLA	C6-C7-C8-C10
14	H	838	CLA	C12-C13-C15-C16
14	L	207	CLA	C12-C13-C15-C16
14	Y	825	CLA	C12-C13-C15-C16
14	Z	801	CLA	C6-C7-C8-C10
14	Z	805	CLA	C12-C13-C15-C16
14	Z	830	CLA	C12-C13-C15-C16
14	U	1004	CLA	C2C-C3C-CAC-CBC
18	Y	852	LHG	O6-C4-C5-O7
18	j	101	LHG	O6-C4-C5-O7
14	B	811	CLA	C6-C7-C8-C9
14	H	830	CLA	C6-C7-C8-C9
14	Y	818	CLA	C16-C17-C18-C19
14	f	102	CLA	C6-C7-C8-C9
14	B	805	CLA	C6-C7-C8-C9
14	B	814	CLA	C5-C6-C7-C8
14	A	827	CLA	C4-C3-C5-C6
14	G	806	CLA	C4-C3-C5-C6
14	Y	828	CLA	C4-C3-C5-C6
14	f	102	CLA	C4-C3-C5-C6
14	G	826	CLA	C2-C3-C5-C6
14	H	802	CLA	C16-C17-C18-C19
14	h	207	CLA	C15-C16-C17-C18
14	B	830	CLA	C2C-C3C-CAC-CBC
18	A	850	LHG	O7-C5-C6-O8
14	A	815	CLA	CBA-CGA-O2A-C1
14	H	823	CLA	C6-C7-C8-C10
14	S	1103	CLA	C6-C7-C8-C9
14	Z	802	CLA	CAA-CBA-CGA-O2A
18	G	851	LHG	O8-C23-C24-C25
14	A	808	CLA	C2A-CAA-CBA-CGA
14	H	809	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	f	101	CLA	C2A-CAA-CBA-CGA
14	B	804	CLA	C2C-C3C-CAC-CBC
14	B	817	CLA	C2-C1-O2A-CGA
15	B	842	PQN	C14-C13-C15-C16
14	U	1002	CLA	C16-C17-C18-C19
14	G	829	CLA	CAA-CBA-CGA-O2A
19	H	846	LMG	C10-C11-C12-C13
14	B	802	CLA	C3-C5-C6-C7
13	A	801	CL0	C5-C6-C7-C8
14	Y	809	CLA	C15-C16-C17-C18
14	Y	838	CLA	C8-C10-C11-C12
18	A	850	LHG	O8-C23-C24-C25
18	Y	852	LHG	O8-C23-C24-C25
14	A	830	CLA	C16-C17-C18-C20
14	Z	804	CLA	C16-C17-C18-C20
14	U	1006	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CBA-CGA-O2A-C1
19	H	846	LMG	C40-C41-C42-C43
14	A	808	CLA	C8-C10-C11-C12
14	A	821	CLA	C2A-CAA-CBA-CGA
14	B	817	CLA	C2A-CAA-CBA-CGA
14	U	1006	CLA	C16-C17-C18-C19
18	A	850	LHG	C23-C24-C25-C26
18	Y	852	LHG	C34-C35-C36-C37
14	A	825	CLA	C4-C3-C5-C6
14	B	801	CLA	C4-C3-C5-C6
14	B	802	CLA	C4-C3-C5-C6
14	Y	802	CLA	C4-C3-C5-C6
14	A	806	CLA	C8-C10-C11-C12
14	A	821	CLA	C2-C3-C5-C6
14	A	827	CLA	C2-C3-C5-C6
15	B	842	PQN	C12-C13-C15-C16
14	Y	835	CLA	C2C-C3C-CAC-CBC
14	G	826	CLA	C8-C10-C11-C12
14	A	824	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	C6-C7-C8-C9
14	B	809	CLA	C6-C7-C8-C9
14	B	829	CLA	C11-C10-C8-C9
14	B	838	CLA	C11-C12-C13-C14
14	B	841	CLA	C11-C10-C8-C9
14	G	824	CLA	C11-C10-C8-C9
14	G	826	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	G	827	CLA	C11-C10-C8-C9
14	H	813	CLA	C11-C10-C8-C9
14	H	816	CLA	C11-C12-C13-C14
14	L	205	CLA	C6-C7-C8-C9
14	Y	832	CLA	C6-C7-C8-C9
14	Y	832	CLA	C11-C10-C8-C9
14	L	207	CLA	C2C-C3C-CAC-CBC
14	A	831	CLA	C4B-C3B-CAB-CBB
14	G	828	CLA	C4B-C3B-CAB-CBB
14	G	831	CLA	C4B-C3B-CAB-CBB
14	H	811	CLA	C4B-C3B-CAB-CBB
14	H	829	CLA	C4B-C3B-CAB-CBB
14	Z	815	CLA	C4B-C3B-CAB-CBB
14	Z	824	CLA	C4B-C3B-CAB-CBB
14	L	205	CLA	C15-C16-C17-C18
14	G	832	CLA	C8-C10-C11-C12
14	H	805	CLA	C15-C16-C17-C18
14	Z	806	CLA	C16-C17-C18-C19
14	Z	812	CLA	C16-C17-C18-C19
15	H	839	PQN	C18-C20-C21-C22
14	G	802	CLA	C4-C3-C5-C6
14	H	834	CLA	C4-C3-C5-C6
14	Z	801	CLA	C4-C3-C5-C6
14	U	1004	CLA	C2-C3-C5-C6
14	Y	802	CLA	C2-C3-C5-C6
18	G	851	LHG	O6-C4-C5-O7
14	H	816	CLA	C10-C11-C12-C13
14	H	816	CLA	C15-C16-C17-C18
14	Z	802	CLA	C15-C16-C17-C18
14	A	814	CLA	C2C-C3C-CAC-CBC
13	A	801	CL0	C11-C12-C13-C15
14	A	832	CLA	C11-C12-C13-C15
14	B	807	CLA	C11-C12-C13-C15
14	B	823	CLA	C6-C7-C8-C10
14	B	829	CLA	C11-C10-C8-C7
14	G	811	CLA	C12-C13-C15-C16
14	H	813	CLA	C6-C7-C8-C10
14	H	828	CLA	C11-C12-C13-C15
14	L	205	CLA	C6-C7-C8-C10
15	Z	840	PQN	C16-C17-C18-C20
14	Z	838	CLA	C10-C11-C12-C13
14	H	813	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	B	822	CLA	CBA-CGA-O2A-C1
14	H	823	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	C16-C17-C18-C20
14	Y	841	CLA	C16-C17-C18-C20
14	Z	808	CLA	C16-C17-C18-C20
14	A	829	CLA	C15-C16-C17-C18
14	H	827	CLA	C15-C16-C17-C18
14	B	807	CLA	O1A-CGA-O2A-C1
14	H	823	CLA	O1A-CGA-O2A-C1
14	Y	802	CLA	O1A-CGA-O2A-C1
14	T	101	CLA	C3A-C2A-CAA-CBA
14	S	1101	CLA	C15-C16-C17-C18
14	Y	820	CLA	C10-C11-C12-C13
13	G	801	CL0	CAA-CBA-CGA-O2A
14	A	809	CLA	C2-C3-C5-C6
14	G	806	CLA	C2-C3-C5-C6
14	U	1002	CLA	C2-C3-C5-C6
14	Z	806	CLA	C2C-C3C-CAC-CBC
14	Y	819	CLA	C5-C6-C7-C8
17	A	849	BCR	C16-C17-C18-C36
17	B	845	BCR	C20-C21-C22-C37
17	F	203	BCR	C35-C13-C14-C15
17	G	850	BCR	C16-C17-C18-C36
17	H	842	BCR	C20-C21-C22-C37
17	Q	202	BCR	C16-C17-C18-C36
17	Q	204	BCR	C35-C13-C14-C15
17	Y	851	BCR	C11-C10-C9-C34
17	Y	851	BCR	C16-C17-C18-C36
17	Z	843	BCR	C20-C21-C22-C37
17	Z	844	BCR	C20-C21-C22-C37
17	d	203	BCR	C35-C13-C14-C15
18	A	850	LHG	C9-C10-C11-C12
14	G	839	CLA	C2-C1-O2A-CGA
14	Y	815	CLA	C2-C1-O2A-CGA
17	G	849	BCR	C15-C16-C17-C18
14	Y	825	CLA	C3-C5-C6-C7
14	Y	825	CLA	C15-C16-C17-C18
14	Z	808	CLA	C15-C16-C17-C18
17	R	102	BCR	C7-C8-C9-C34
14	G	805	CLA	C5-C6-C7-C8
14	Z	802	CLA	C5-C6-C7-C8
14	A	808	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	821	CLA	C4-C3-C5-C6
14	L	202	CLA	C4-C3-C5-C6
14	Z	826	CLA	C4-C3-C5-C6
15	G	844	PQN	C14-C13-C15-C16
14	G	808	CLA	C16-C17-C18-C20
14	Z	830	CLA	C2A-CAA-CBA-CGA
14	H	819	CLA	CAA-CBA-CGA-O1A
18	Y	852	LHG	C11-C12-C13-C14
14	Z	826	CLA	C5-C6-C7-C8
14	B	836	CLA	CAA-CBA-CGA-O1A
14	A	805	CLA	C6-C7-C8-C9
14	A	808	CLA	C11-C12-C13-C14
14	A	811	CLA	C14-C13-C15-C16
14	A	827	CLA	C14-C13-C15-C16
14	A	852	CLA	C14-C13-C15-C16
14	B	809	CLA	C11-C10-C8-C9
14	B	814	CLA	C6-C7-C8-C9
14	B	840	CLA	C11-C10-C8-C9
14	B	841	CLA	C11-C12-C13-C14
14	G	802	CLA	C14-C13-C15-C16
14	G	803	CLA	C6-C7-C8-C9
14	G	826	CLA	C11-C10-C8-C9
14	H	801	CLA	C11-C10-C8-C9
14	H	812	CLA	C14-C13-C15-C16
14	U	1003	CLA	C6-C7-C8-C9
14	Y	808	CLA	C11-C12-C13-C14
14	Y	808	CLA	C14-C13-C15-C16
14	Y	827	CLA	C6-C7-C8-C9
14	Z	802	CLA	C6-C7-C8-C9
14	Z	804	CLA	C11-C12-C13-C14
14	Z	812	CLA	C11-C12-C13-C14
14	Z	823	CLA	C11-C12-C13-C14
14	Z	824	CLA	C11-C12-C13-C14
15	G	844	PQN	C16-C17-C18-C19
14	Y	842	CLA	C8-C10-C11-C12
14	G	853	CLA	CAA-CBA-CGA-O1A
14	S	1102	CLA	CAA-CBA-CGA-O2A
14	Z	819	CLA	CAA-CBA-CGA-O1A
14	H	802	CLA	CAA-CBA-CGA-O2A
14	Y	819	CLA	C13-C15-C16-C17
14	Y	839	CLA	C4C-C3C-CAC-CBC
14	A	811	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	803	CLA	C4-C3-C5-C6
14	Y	806	CLA	C4-C3-C5-C6
14	Y	814	CLA	C4-C3-C5-C6
14	A	826	CLA	C11-C12-C13-C15
14	A	825	CLA	C2-C3-C5-C6
14	A	815	CLA	O1A-CGA-O2A-C1
14	Z	802	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	C8-C10-C11-C12
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	815	CLA	C1A-C2A-CAA-CBA
14	B	812	CLA	C1A-C2A-CAA-CBA
14	B	813	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C1A-C2A-CAA-CBA
14	G	815	CLA	C1A-C2A-CAA-CBA
14	G	853	CLA	C1A-C2A-CAA-CBA
14	T	101	CLA	C1A-C2A-CAA-CBA
14	Y	824	CLA	C1A-C2A-CAA-CBA
14	Y	834	CLA	C1A-C2A-CAA-CBA
14	g	102	CLA	C1A-C2A-CAA-CBA
17	A	849	BCR	C16-C17-C18-C19
17	B	845	BCR	C20-C21-C22-C23
17	F	203	BCR	C12-C13-C14-C15
17	G	850	BCR	C16-C17-C18-C19
17	H	842	BCR	C20-C21-C22-C23
17	L	203	BCR	C20-C21-C22-C23
17	Q	204	BCR	C12-C13-C14-C15
17	U	1007	BCR	C20-C21-C22-C23
17	Y	851	BCR	C11-C10-C9-C8
17	Y	851	BCR	C16-C17-C18-C19
17	Z	841	BCR	C16-C17-C18-C19
17	Z	843	BCR	C20-C21-C22-C23
17	d	203	BCR	C12-C13-C14-C15
17	d	203	BCR	C16-C17-C18-C19
14	H	812	CLA	C2C-C3C-CAC-CBC
14	A	828	CLA	C16-C17-C18-C20
14	X	1701	CLA	CAA-CBA-CGA-O1A
14	A	831	CLA	C2B-C3B-CAB-CBB
14	A	834	CLA	C2B-C3B-CAB-CBB
14	A	842	CLA	C2B-C3B-CAB-CBB
14	B	808	CLA	C2B-C3B-CAB-CBB
14	G	814	CLA	C2B-C3B-CAB-CBB
14	G	823	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	826	CLA	C2B-C3B-CAB-CBB
14	G	828	CLA	C2B-C3B-CAB-CBB
14	G	831	CLA	C2B-C3B-CAB-CBB
14	G	843	CLA	C2B-C3B-CAB-CBB
14	H	811	CLA	C2B-C3B-CAB-CBB
14	H	819	CLA	C2B-C3B-CAB-CBB
14	H	824	CLA	C2B-C3B-CAB-CBB
14	H	829	CLA	C2B-C3B-CAB-CBB
14	K	101	CLA	C2B-C3B-CAB-CBB
14	Q	201	CLA	C2B-C3B-CAB-CBB
14	S	1102	CLA	C2B-C3B-CAB-CBB
14	Y	814	CLA	C2B-C3B-CAB-CBB
14	Y	855	CLA	C2B-C3B-CAB-CBB
14	Z	815	CLA	C2B-C3B-CAB-CBB
14	Z	817	CLA	C2B-C3B-CAB-CBB
14	Z	824	CLA	C2B-C3B-CAB-CBB
14	Z	829	CLA	C2B-C3B-CAB-CBB
17	G	849	BCR	C5-C6-C7-C8
17	H	842	BCR	C5-C6-C7-C8
17	H	848	BCR	C23-C24-C25-C30
17	L	209	BCR	C1-C6-C7-C8
17	Q	204	BCR	C23-C24-C25-C26
17	R	101	BCR	C1-C6-C7-C8
17	R	102	BCR	C23-C24-C25-C26
17	V	1202	BCR	C23-C24-C25-C30
17	Z	843	BCR	C1-C6-C7-C8
17	h	202	BCR	C1-C6-C7-C8
14	U	1004	CLA	C4C-C3C-CAC-CBC
14	B	836	CLA	CAA-CBA-CGA-O2A
14	T	101	CLA	CAA-CBA-CGA-O2A
14	A	824	CLA	O1D-CGD-O2D-CED
14	j	102	CLA	CAA-CBA-CGA-O1A
14	B	819	CLA	C4-C3-C5-C6
14	G	808	CLA	C4-C3-C5-C6
14	G	818	CLA	C4-C3-C5-C6
14	Z	807	CLA	C4-C3-C5-C6
14	Z	831	CLA	C4-C3-C5-C6
18	Y	852	LHG	O6-C4-C5-C6
14	B	801	CLA	C2-C3-C5-C6
14	L	202	CLA	C2-C3-C5-C6
15	G	844	PQN	C12-C13-C15-C16
14	Y	820	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	A	818	CLA	C11-C12-C13-C15
14	B	818	CLA	C6-C7-C8-C10
14	B	826	CLA	C6-C7-C8-C10
14	G	824	CLA	C11-C10-C8-C7
14	L	201	CLA	C12-C13-C15-C16
14	L	202	CLA	C6-C7-C8-C10
14	S	1101	CLA	C6-C7-C8-C10
14	Y	804	CLA	C11-C10-C8-C7
14	Y	822	CLA	C6-C7-C8-C10
14	Y	825	CLA	C11-C10-C8-C7
14	Y	830	CLA	C6-C7-C8-C10
14	Z	801	CLA	C11-C10-C8-C7
14	Z	802	CLA	C11-C12-C13-C15
14	h	201	CLA	C11-C12-C13-C15
14	h	207	CLA	C11-C10-C8-C7
15	B	842	PQN	C17-C18-C20-C21
14	H	801	CLA	C2A-CAA-CBA-CGA
14	Z	803	CLA	C5-C6-C7-C8
14	Y	803	CLA	C2C-C3C-CAC-CBC
14	Z	802	CLA	CBA-CGA-O2A-C1
13	Y	801	CL0	CAA-CBA-CGA-O2A
14	Y	806	CLA	CAA-CBA-CGA-O2A
14	G	853	CLA	CAA-CBA-CGA-O2A
14	H	811	CLA	CAA-CBA-CGA-O1A
14	H	819	CLA	CAA-CBA-CGA-O2A
17	A	849	BCR	C11-C12-C13-C35
17	U	1005	BCR	C11-C12-C13-C35
14	B	810	CLA	C4-C3-C5-C6
14	G	813	CLA	C4-C3-C5-C6
14	G	824	CLA	C4-C3-C5-C6
14	H	815	CLA	C4-C3-C5-C6
14	H	822	CLA	C4-C3-C5-C6
14	Y	830	CLA	C4-C3-C5-C6
14	Y	834	CLA	C4-C3-C5-C6
14	Z	823	CLA	C4-C3-C5-C6
14	Q	201	CLA	CBA-CGA-O2A-C1
14	Y	802	CLA	CBA-CGA-O2A-C1
14	G	808	CLA	C3-C5-C6-C7
14	A	806	CLA	CAA-CBA-CGA-O2A
14	B	801	CLA	C15-C16-C17-C18
14	A	808	CLA	C2-C3-C5-C6
14	A	811	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	G	802	CLA	C2-C3-C5-C6
14	G	821	CLA	C2-C3-C5-C6
14	H	834	CLA	C2-C3-C5-C6
14	Y	814	CLA	C2-C3-C5-C6
14	Z	801	CLA	C2-C3-C5-C6
14	f	102	CLA	C2-C3-C5-C6
14	G	827	CLA	O1D-CGD-O2D-CED
14	B	829	CLA	C2-C1-O2A-CGA
14	B	820	CLA	CAA-CBA-CGA-O2A
14	S	1102	CLA	CAA-CBA-CGA-O1A
17	Q	202	BCR	C17-C18-C19-C20
14	B	827	CLA	C16-C17-C18-C19
15	Z	840	PQN	C26-C27-C28-C30
19	H	846	LMG	C30-C31-C32-C33
14	Y	832	CLA	C15-C16-C17-C18
14	H	805	CLA	C3-C5-C6-C7
14	A	826	CLA	C2C-C3C-CAC-CBC
14	T	101	CLA	CAA-CBA-CGA-O1A
14	A	829	CLA	C14-C13-C15-C16
14	A	837	CLA	C11-C10-C8-C9
14	Y	829	CLA	C11-C12-C13-C14
14	Y	842	CLA	C14-C13-C15-C16
14	h	205	CLA	C11-C12-C13-C14
14	h	205	CLA	C14-C13-C15-C16
14	Y	841	CLA	C10-C11-C12-C13
14	A	820	CLA	C11-C12-C13-C14
14	G	827	CLA	C16-C17-C18-C19
14	Z	824	CLA	C13-C15-C16-C17
14	L	201	CLA	C4C-C3C-CAC-CBC
14	B	823	CLA	C4-C3-C5-C6
14	H	805	CLA	C4-C3-C5-C6
14	H	807	CLA	C4-C3-C5-C6
14	H	809	CLA	C4-C3-C5-C6
14	U	1006	CLA	C4-C3-C5-C6
14	Y	804	CLA	C4-C3-C5-C6
14	Z	821	CLA	C4-C3-C5-C6
14	H	831	CLA	CAA-CBA-CGA-O2A
14	Z	819	CLA	CAA-CBA-CGA-O2A
14	B	802	CLA	C2-C3-C5-C6
14	Y	828	CLA	C2-C3-C5-C6
14	Z	807	CLA	C2-C3-C5-C6
14	Z	826	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A	835	CLA	CBD-CGD-O2D-CED
14	H	804	CLA	C3-C5-C6-C7
14	H	810	CLA	CBA-CGA-O2A-C1
14	G	810	CLA	CAA-CBA-CGA-O2A
14	j	102	CLA	CAA-CBA-CGA-O2A
14	G	837	CLA	C10-C11-C12-C13
14	G	823	CLA	O1A-CGA-O2A-C1
18	G	851	LHG	C4-C5-C6-O8
14	H	811	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	O1A-CGA-O2A-C1
14	G	832	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	C2A-CAA-CBA-CGA
14	B	812	CLA	C2A-CAA-CBA-CGA
18	A	850	LHG	C11-C12-C13-C14
14	H	806	CLA	C16-C17-C18-C19
14	Z	833	CLA	CAA-CBA-CGA-O2A
14	h	206	CLA	C8-C10-C11-C12
14	A	802	CLA	C4-C3-C5-C6
14	Y	833	CLA	C4-C3-C5-C6
17	J	104	BCR	C15-C16-C17-C18
18	G	852	LHG	O8-C23-C24-C25
14	G	804	CLA	C2-C3-C5-C6
14	G	829	CLA	C2-C3-C5-C6
14	B	827	CLA	C8-C10-C11-C12
18	Y	852	LHG	C17-C18-C19-C20
14	A	828	CLA	C4B-C3B-CAB-CBB
14	A	834	CLA	C4B-C3B-CAB-CBB
14	G	826	CLA	C4B-C3B-CAB-CBB
14	H	819	CLA	C4B-C3B-CAB-CBB
14	K	103	CLA	C4B-C3B-CAB-CBB
14	Y	814	CLA	C4B-C3B-CAB-CBB
14	Z	821	CLA	C4B-C3B-CAB-CBB
14	Z	834	CLA	C4B-C3B-CAB-CBB
14	G	809	CLA	C15-C16-C17-C18
14	G	835	CLA	CAA-CBA-CGA-O2A
14	X	1701	CLA	CAA-CBA-CGA-O2A
14	B	841	CLA	CAA-CBA-CGA-O2A
14	G	843	CLA	CAA-CBA-CGA-O2A
14	H	814	CLA	CAA-CBA-CGA-O1A
14	Z	818	CLA	CAA-CBA-CGA-O1A
14	A	811	CLA	C16-C17-C18-C20
14	B	833	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	B	833	CLA	C6-C7-C8-C10
14	G	818	CLA	C13-C15-C16-C17
14	H	813	CLA	C4C-C3C-CAC-CBC
17	L	203	BCR	C20-C21-C22-C37
17	U	1007	BCR	C20-C21-C22-C37
17	Y	848	BCR	C16-C17-C18-C36
17	Y	849	BCR	C20-C21-C22-C37
17	h	203	BCR	C20-C21-C22-C37
14	Y	811	CLA	C15-C16-C17-C18
14	L	206	CLA	O1D-CGD-O2D-CED
18	G	851	LHG	O6-C4-C5-C6
13	A	801	CL0	C4-C3-C5-C6
14	B	806	CLA	C4-C3-C5-C6
14	G	804	CLA	C4-C3-C5-C6
14	Y	835	CLA	C4-C3-C5-C6
14	B	839	CLA	CAA-CBA-CGA-O2A
14	Z	834	CLA	CAA-CBA-CGA-O2A
14	B	823	CLA	C2-C3-C5-C6
14	G	824	CLA	C2-C3-C5-C6
14	H	809	CLA	C2-C3-C5-C6
14	Z	821	CLA	C2-C3-C5-C6
14	A	837	CLA	C15-C16-C17-C18
14	A	811	CLA	C12-C13-C15-C16
14	A	813	CLA	C6-C7-C8-C10
14	A	826	CLA	C6-C7-C8-C10
14	H	826	CLA	C11-C12-C13-C15
14	Y	832	CLA	C12-C13-C15-C16
14	B	820	CLA	CAA-CBA-CGA-O1A
14	H	832	CLA	CAA-CBA-CGA-O1A
18	G	852	LHG	C28-C29-C30-C31
19	H	846	LMG	C32-C33-C34-C35
14	Y	836	CLA	O1D-CGD-O2D-CED
14	J	102	CLA	C3-C5-C6-C7
14	Z	818	CLA	CAA-CBA-CGA-O2A
14	Z	834	CLA	CAA-CBA-CGA-O1A
14	B	814	CLA	C11-C10-C8-C9
14	B	827	CLA	C11-C10-C8-C9
14	B	841	CLA	C14-C13-C15-C16
14	G	825	CLA	C6-C7-C8-C9
14	G	832	CLA	C6-C7-C8-C9
14	G	842	CLA	C6-C7-C8-C9
14	H	805	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	L	202	CLA	C11-C10-C8-C9
14	L	202	CLA	C14-C13-C15-C16
14	U	1006	CLA	C11-C12-C13-C14
14	Z	801	CLA	C11-C12-C13-C14
14	Z	808	CLA	C11-C10-C8-C9
14	h	201	CLA	C6-C7-C8-C9
14	Y	841	CLA	C15-C16-C17-C18
14	B	816	CLA	C2A-CAA-CBA-CGA
14	G	824	CLA	C2A-CAA-CBA-CGA
14	Y	809	CLA	C2A-CAA-CBA-CGA
14	B	837	CLA	C2-C1-O2A-CGA
14	H	834	CLA	C2-C1-O2A-CGA
14	Y	824	CLA	C2-C1-O2A-CGA
14	A	802	CLA	O1A-CGA-O2A-C1
14	A	819	CLA	C3-C5-C6-C7
14	B	816	CLA	C6-C7-C8-C9
14	Y	822	CLA	C16-C17-C18-C20
14	Y	829	CLA	C16-C17-C18-C19
14	A	834	CLA	C3A-C2A-CAA-CBA
14	B	824	CLA	C3A-C2A-CAA-CBA
14	B	837	CLA	C3A-C2A-CAA-CBA
14	H	806	CLA	C4-C3-C5-C6
14	Y	826	CLA	C3A-C2A-CAA-CBA
14	Y	833	CLA	C3A-C2A-CAA-CBA
14	Z	802	CLA	C3A-C2A-CAA-CBA
14	Z	821	CLA	C3A-C2A-CAA-CBA
14	f	102	CLA	C3A-C2A-CAA-CBA
14	G	841	CLA	CAA-CBA-CGA-O1A
14	G	835	CLA	CAA-CBA-CGA-O1A
14	H	814	CLA	CAA-CBA-CGA-O2A
14	Y	812	CLA	C3-C5-C6-C7
14	H	833	CLA	CAA-CBA-CGA-O2A
14	Z	829	CLA	CAA-CBA-CGA-O2A
14	Z	839	CLA	C16-C17-C18-C20
14	G	832	CLA	CBA-CGA-O2A-C1
14	B	801	CLA	O2A-C1-C2-C3
17	Q	202	BCR	C18-C19-C20-C21
17	Y	849	BCR	C18-C19-C20-C21
13	G	801	CL0	C15-C16-C17-C18
19	H	846	LMG	C33-C34-C35-C36
14	A	805	CLA	C16-C17-C18-C20
14	H	828	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	Z	822	CLA	C2A-CAA-CBA-CGA
14	H	827	CLA	C13-C15-C16-C17
14	B	839	CLA	CAA-CBA-CGA-O1A
14	H	831	CLA	CAA-CBA-CGA-O1A
18	j	101	LHG	C24-C23-O8-C6
14	Y	828	CLA	C2C-C3C-CAC-CBC
18	j	101	LHG	C7-C8-C9-C10
14	Z	827	CLA	C10-C11-C12-C13
17	h	203	BCR	C20-C21-C22-C23
14	G	810	CLA	CAA-CBA-CGA-O1A
14	Z	833	CLA	CAA-CBA-CGA-O1A
18	B	850	LHG	O6-C4-C5-O7
14	H	832	CLA	CAA-CBA-CGA-O2A
14	A	817	CLA	C11-C12-C13-C14
14	B	840	CLA	C16-C17-C18-C20
14	Y	814	CLA	C6-C7-C8-C10
14	A	825	CLA	C4C-C3C-CAC-CBC
14	L	207	CLA	CAA-CBA-CGA-O1A
18	G	851	LHG	O7-C7-C8-C9
14	Z	829	CLA	CAA-CBA-CGA-O1A
14	B	803	CLA	C2-C3-C5-C6
14	B	819	CLA	C2-C3-C5-C6
14	G	818	CLA	C2-C3-C5-C6
14	G	825	CLA	C16-C17-C18-C20
14	G	833	CLA	C16-C17-C18-C19
14	H	833	CLA	CAA-CBA-CGA-O1A
18	Y	853	LHG	O8-C23-C24-C25
14	Y	832	CLA	C3-C5-C6-C7
14	A	803	CLA	C11-C12-C13-C14
14	A	808	CLA	C11-C10-C8-C9
14	G	806	CLA	C14-C13-C15-C16
14	H	813	CLA	C14-C13-C15-C16
14	h	201	CLA	C11-C12-C13-C14
14	h	205	CLA	C6-C7-C8-C9
14	A	816	CLA	CAA-CBA-CGA-O2A
14	G	825	CLA	CAA-CBA-CGA-O2A
18	Y	852	LHG	C29-C30-C31-C32
19	B	849	LMG	C28-C29-C30-C31
17	e	101	BCR	C21-C22-C23-C24
14	Y	803	CLA	C4C-C3C-CAC-CBC
14	H	835	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	Y	804	CLA	C2-C3-C5-C6
14	A	818	CLA	C2A-CAA-CBA-CGA
14	Z	814	CLA	C2A-CAA-CBA-CGA
14	A	818	CLA	C6-C7-C8-C10
14	A	829	CLA	C12-C13-C15-C16
14	B	814	CLA	C6-C7-C8-C10
14	G	802	CLA	C11-C10-C8-C7
14	G	827	CLA	C11-C12-C13-C15
14	G	839	CLA	C11-C12-C13-C15
14	G	841	CLA	C11-C10-C8-C7
14	G	842	CLA	C12-C13-C15-C16
14	H	802	CLA	C11-C12-C13-C15
14	H	803	CLA	C11-C10-C8-C7
14	H	808	CLA	C11-C10-C8-C7
14	H	828	CLA	C11-C10-C8-C7
14	L	202	CLA	C12-C13-C15-C16
14	U	1006	CLA	C11-C12-C13-C15
14	Y	803	CLA	C6-C7-C8-C10
14	Y	827	CLA	C11-C10-C8-C7
14	Y	829	CLA	C11-C12-C13-C15
14	Y	838	CLA	C11-C12-C13-C15
14	Y	842	CLA	C12-C13-C15-C16
14	Z	811	CLA	C12-C13-C15-C16
14	Z	824	CLA	C11-C12-C13-C15
14	h	201	CLA	C6-C7-C8-C10
14	h	205	CLA	C12-C13-C15-C16
14	Z	803	CLA	C2C-C3C-CAC-CBC
14	B	806	CLA	C2B-C3B-CAB-CBB
14	G	835	CLA	C2B-C3B-CAB-CBB
14	G	838	CLA	C2B-C3B-CAB-CBB
14	G	842	CLA	C2B-C3B-CAB-CBB
14	H	821	CLA	C2B-C3B-CAB-CBB
14	H	827	CLA	C2B-C3B-CAB-CBB
14	Y	826	CLA	C2B-C3B-CAB-CBB
14	Y	831	CLA	C2B-C3B-CAB-CBB
14	Z	801	CLA	C2B-C3B-CAB-CBB
14	Z	808	CLA	C2B-C3B-CAB-CBB
14	Z	820	CLA	C2B-C3B-CAB-CBB
14	Z	825	CLA	C2B-C3B-CAB-CBB
17	A	845	BCR	C5-C6-C7-C8
17	A	846	BCR	C5-C6-C7-C8
17	B	851	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	U	1005	BCR	C23-C24-C25-C26
17	U	1005	BCR	C23-C24-C25-C30
17	Y	848	BCR	C1-C6-C7-C8
17	Z	845	BCR	C23-C24-C25-C26
17	i	101	BCR	C5-C6-C7-C8
14	A	826	CLA	C4C-C3C-CAC-CBC
14	Y	843	CLA	CAA-CBA-CGA-O2A
14	Z	808	CLA	CAA-CBA-CGA-O2A
14	Z	820	CLA	CAA-CBA-CGA-O2A
14	A	811	CLA	C2-C1-O2A-CGA
14	A	831	CLA	C2-C1-O2A-CGA
14	A	838	CLA	C2-C1-O2A-CGA
14	A	842	CLA	C2-C1-O2A-CGA
14	G	820	CLA	C2-C1-O2A-CGA
14	G	841	CLA	C2-C1-O2A-CGA
14	G	843	CLA	C2-C1-O2A-CGA
14	H	835	CLA	C2-C1-O2A-CGA
14	Y	830	CLA	C2-C1-O2A-CGA
14	Z	811	CLA	C2-C1-O2A-CGA
14	Z	822	CLA	C2-C1-O2A-CGA
14	U	1004	CLA	CAA-CBA-CGA-O1A
14	B	827	CLA	C16-C17-C18-C20
14	G	802	CLA	C16-C17-C18-C20
14	Y	809	CLA	C16-C17-C18-C19
14	L	207	CLA	C4C-C3C-CAC-CBC
14	A	814	CLA	CAA-CBA-CGA-O2A
14	G	812	CLA	CAA-CBA-CGA-O2A
14	Y	833	CLA	CAA-CBA-CGA-O2A
14	Z	831	CLA	CAA-CBA-CGA-O2A
19	B	849	LMG	O7-C10-C11-C12
14	H	813	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	C15-C16-C17-C18
14	H	829	CLA	CAA-CBA-CGA-O2A
14	A	820	CLA	C2C-C3C-CAC-CBC
14	A	802	CLA	CBA-CGA-O2A-C1
14	G	823	CLA	CBA-CGA-O2A-C1
14	Y	828	CLA	C16-C17-C18-C19
14	Z	825	CLA	C16-C17-C18-C19
14	G	825	CLA	C4-C3-C5-C6
14	A	807	CLA	CAA-CBA-CGA-O2A
14	H	818	CLA	CAA-CBA-CGA-O2A
14	Y	829	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	G	825	CLA	C2-C3-C5-C6
14	H	806	CLA	C2-C3-C5-C6
14	H	829	CLA	CAA-CBA-CGA-O1A
14	A	805	CLA	C13-C15-C16-C17
18	j	101	LHG	O10-C23-O8-C6
14	A	834	CLA	C2A-CAA-CBA-CGA
14	A	842	CLA	C2A-CAA-CBA-CGA
14	A	852	CLA	C2A-CAA-CBA-CGA
14	Y	835	CLA	C5-C6-C7-C8
14	H	827	CLA	C4C-C3C-CAC-CBC
14	B	808	CLA	CAA-CBA-CGA-O2A
14	B	838	CLA	CAA-CBA-CGA-O2A
14	G	818	CLA	CAA-CBA-CGA-O2A
14	G	839	CLA	CAA-CBA-CGA-O2A
14	Y	807	CLA	CAA-CBA-CGA-O2A
14	A	817	CLA	C11-C12-C13-C15
14	U	1002	CLA	C16-C17-C18-C20
14	B	821	CLA	C2C-C3C-CAC-CBC
14	h	206	CLA	O1D-CGD-O2D-CED
14	Y	821	CLA	C13-C15-C16-C17
14	A	818	CLA	CAA-CBA-CGA-O2A
14	A	823	CLA	CAA-CBA-CGA-O2A
14	G	805	CLA	CAA-CBA-CGA-O2A
14	G	816	CLA	CAA-CBA-CGA-O2A
14	H	812	CLA	CAA-CBA-CGA-O2A
14	S	1103	CLA	CAA-CBA-CGA-O2A
14	Z	806	CLA	CAA-CBA-CGA-O2A
14	A	814	CLA	C4C-C3C-CAC-CBC
14	A	822	CLA	CAA-CBA-CGA-O1A
18	Y	853	LHG	O6-C4-C5-O7
14	Y	821	CLA	C16-C17-C18-C20
14	G	813	CLA	C5-C6-C7-C8
14	Y	815	CLA	CAA-CBA-CGA-O2A
18	B	850	LHG	O7-C7-C8-C9
14	H	815	CLA	C2-C3-C5-C6
14	Z	823	CLA	C2-C3-C5-C6
14	G	807	CLA	C2A-CAA-CBA-CGA
14	U	1003	CLA	C2A-CAA-CBA-CGA
13	A	801	CL0	CAA-CBA-CGA-O1A
14	B	814	CLA	C8-C10-C11-C12
14	Y	805	CLA	C10-C11-C12-C13
14	B	832	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	L	205	CLA	C2C-C3C-CAC-CBC
14	B	821	CLA	CAA-CBA-CGA-O1A
14	G	819	CLA	C11-C10-C8-C9
14	Y	838	CLA	C11-C10-C8-C9
14	Z	802	CLA	C11-C12-C13-C14
14	h	207	CLA	C11-C12-C13-C14
15	G	844	PQN	C24-C23-C25-C26
14	H	810	CLA	CAA-CBA-CGA-O2A
14	h	201	CLA	C15-C16-C17-C18
14	A	813	CLA	C1A-C2A-CAA-CBA
14	B	806	CLA	C1A-C2A-CAA-CBA
14	B	824	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C4B-C3B-CAB-CBB
14	B	839	CLA	C1A-C2A-CAA-CBA
14	G	822	CLA	C1A-C2A-CAA-CBA
14	G	834	CLA	C1A-C2A-CAA-CBA
14	G	840	CLA	C4B-C3B-CAB-CBB
14	H	823	CLA	C1A-C2A-CAA-CBA
14	K	103	CLA	C1A-C2A-CAA-CBA
14	U	1006	CLA	C1A-C2A-CAA-CBA
14	Y	812	CLA	C4B-C3B-CAB-CBB
14	Y	833	CLA	C1A-C2A-CAA-CBA
14	Z	802	CLA	C1A-C2A-CAA-CBA
14	Z	812	CLA	C1A-C2A-CAA-CBA
14	Z	821	CLA	C1A-C2A-CAA-CBA
14	Z	822	CLA	C1A-C2A-CAA-CBA
14	f	102	CLA	C1A-C2A-CAA-CBA
14	W	1701	CLA	CAA-CBA-CGA-O1A
19	B	849	LMG	C31-C32-C33-C34
14	A	818	CLA	C2C-C3C-CAC-CBC
14	Y	808	CLA	C4-C3-C5-C6
14	Y	809	CLA	C4-C3-C5-C6
14	Y	854	CLA	C4-C3-C5-C6
14	B	819	CLA	CAA-CBA-CGA-O2A
14	G	807	CLA	CAA-CBA-CGA-O2A
14	G	837	CLA	CAA-CBA-CGA-O2A
14	G	816	CLA	C4C-C3C-CAC-CBC
17	A	849	BCR	C11-C12-C13-C14
17	G	849	BCR	C7-C8-C9-C10
17	J	103	BCR	C11-C12-C13-C14
17	S	1104	BCR	C11-C12-C13-C14
17	S	1104	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	i	101	BCR	C17-C18-C19-C20
14	H	836	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CAA-CBA-CGA-O2A
14	A	838	CLA	CAA-CBA-CGA-O2A
14	B	814	CLA	CAA-CBA-CGA-O2A
14	B	823	CLA	CAA-CBA-CGA-O2A
14	Y	811	CLA	CAA-CBA-CGA-O2A
14	Y	855	CLA	CAA-CBA-CGA-O2A
14	Z	809	CLA	CAA-CBA-CGA-O2A
19	B	849	LMG	C30-C31-C32-C33
14	G	825	CLA	C5-C6-C7-C8
14	Z	811	CLA	C5-C6-C7-C8
14	A	825	CLA	C2C-C3C-CAC-CBC
14	Y	855	CLA	C10-C11-C12-C13
14	B	821	CLA	CAA-CBA-CGA-O2A
14	A	827	CLA	O1A-CGA-O2A-C1
14	H	817	CLA	C11-C12-C13-C15
14	B	802	CLA	C2-C1-O2A-CGA
14	B	809	CLA	C2-C1-O2A-CGA
14	B	810	CLA	C2-C1-O2A-CGA
14	G	809	CLA	C2-C1-O2A-CGA
14	G	834	CLA	C2-C1-O2A-CGA
14	H	802	CLA	C2-C1-O2A-CGA
14	Y	817	CLA	C2-C1-O2A-CGA
14	Z	827	CLA	C2-C1-O2A-CGA
14	Z	838	CLA	C2-C1-O2A-CGA
14	A	824	CLA	C6-C7-C8-C10
14	B	803	CLA	C11-C12-C13-C15
14	B	806	CLA	C11-C10-C8-C7
14	B	827	CLA	C6-C7-C8-C10
14	B	827	CLA	C11-C10-C8-C7
14	G	842	CLA	C6-C7-C8-C10
14	H	812	CLA	C6-C7-C8-C10
14	H	827	CLA	C6-C7-C8-C10
14	L	207	CLA	C6-C7-C8-C10
14	Z	825	CLA	C11-C12-C13-C15
14	h	205	CLA	C11-C12-C13-C15
14	H	801	CLA	C8-C10-C11-C12
14	B	824	CLA	O2A-C1-C2-C3
14	B	823	CLA	C8-C10-C11-C12
14	Z	802	CLA	C3-C5-C6-C7
14	Y	822	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	820	CLA	C2A-CAA-CBA-CGA
14	H	835	CLA	C5-C6-C7-C8
14	U	1003	CLA	C8-C10-C11-C12
14	A	827	CLA	C16-C17-C18-C20
14	Z	825	CLA	C16-C17-C18-C20
14	Z	817	CLA	CAA-CBA-CGA-O2A
14	H	818	CLA	CAA-CBA-CGA-O1A
14	A	818	CLA	C8-C10-C11-C12
14	Y	813	CLA	C5-C6-C7-C8
14	Z	802	CLA	C10-C11-C12-C13
14	A	813	CLA	C3A-C2A-CAA-CBA
14	A	842	CLA	C3A-C2A-CAA-CBA
14	G	813	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C3A-C2A-CAA-CBA
14	G	825	CLA	CAA-CBA-CGA-O1A
18	Y	853	LHG	O10-C23-C24-C25
14	G	813	CLA	CAA-CBA-CGA-O2A
14	G	836	CLA	CAA-CBA-CGA-O2A
14	A	810	CLA	CAA-CBA-CGA-O2A
14	F	202	CLA	CAA-CBA-CGA-O2A
17	L	203	BCR	C14-C15-C16-C17
14	Z	803	CLA	C4C-C3C-CAC-CBC
14	A	827	CLA	C10-C11-C12-C13
14	G	829	CLA	C5-C6-C7-C8
14	L	206	CLA	C13-C15-C16-C17
14	G	805	CLA	CAA-CBA-CGA-O1A
14	G	818	CLA	CAA-CBA-CGA-O1A
14	G	839	CLA	CAA-CBA-CGA-O1A
14	A	805	CLA	CAA-CBA-CGA-O2A
14	G	820	CLA	CAA-CBA-CGA-O2A
14	A	818	CLA	C4C-C3C-CAC-CBC
14	B	838	CLA	CAA-CBA-CGA-O1A
14	Z	806	CLA	CAA-CBA-CGA-O1A
14	B	831	CLA	C2C-C3C-CAC-CBC
14	Y	825	CLA	C2A-CAA-CBA-CGA
14	G	805	CLA	C14-C13-C15-C16
14	G	825	CLA	C14-C13-C15-C16
14	H	808	CLA	C11-C10-C8-C9
14	H	826	CLA	C11-C12-C13-C14
14	H	837	CLA	C11-C12-C13-C14
14	U	1002	CLA	C11-C10-C8-C9
14	Y	825	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Z	817	CLA	C11-C10-C8-C9
15	B	842	PQN	C19-C18-C20-C21
18	B	850	LHG	C14-C15-C16-C17
14	Y	828	CLA	CAA-CBA-CGA-O2A
14	B	808	CLA	CAA-CBA-CGA-O1A
14	Y	829	CLA	CAA-CBA-CGA-O1A
14	A	818	CLA	CAA-CBA-CGA-O1A
14	G	807	CLA	CAA-CBA-CGA-O1A
14	G	812	CLA	CAA-CBA-CGA-O1A
14	H	812	CLA	CAA-CBA-CGA-O1A
14	Z	831	CLA	CAA-CBA-CGA-O1A
19	B	849	LMG	O9-C10-C11-C12
19	B	849	LMG	C36-C37-C38-C39
14	B	811	CLA	CAA-CBA-CGA-O2A
14	G	813	CLA	C2-C3-C5-C6
14	H	805	CLA	C2-C3-C5-C6
14	Y	828	CLA	C10-C11-C12-C13
14	W	1701	CLA	CAA-CBA-CGA-O2A
14	Y	833	CLA	CAA-CBA-CGA-O1A
14	Z	820	CLA	CAA-CBA-CGA-O1A
18	B	850	LHG	O9-C7-C8-C9
18	G	851	LHG	O9-C7-C8-C9
14	Y	809	CLA	C2C-C3C-CAC-CBC
14	A	837	CLA	CAA-CBA-CGA-O2A
14	Z	837	CLA	CAA-CBA-CGA-O2A
14	H	826	CLA	C13-C15-C16-C17
17	B	847	BCR	C21-C22-C23-C24
17	Q	204	BCR	C21-C22-C23-C24
14	A	816	CLA	CAA-CBA-CGA-O1A
14	Z	808	CLA	CAA-CBA-CGA-O1A
14	A	802	CLA	C8-C10-C11-C12
14	B	813	CLA	C2C-C3C-CAC-CBC
14	A	825	CLA	CAA-CBA-CGA-O1A
14	H	835	CLA	CAA-CBA-CGA-O1A
14	Y	807	CLA	CAA-CBA-CGA-O1A
14	G	837	CLA	CAA-CBA-CGA-O1A
14	H	810	CLA	CAA-CBA-CGA-O1A
14	Z	809	CLA	CAA-CBA-CGA-O1A
14	B	840	CLA	C10-C11-C12-C13
14	Y	838	CLA	C15-C16-C17-C18
14	Y	834	CLA	C2-C3-C5-C6
14	G	839	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	A	810	CLA	CAA-CBA-CGA-O1A
14	A	807	CLA	CAA-CBA-CGA-O1A
14	A	823	CLA	CAA-CBA-CGA-O1A
14	B	814	CLA	CAA-CBA-CGA-O1A
14	G	816	CLA	CAA-CBA-CGA-O1A
14	S	1103	CLA	CAA-CBA-CGA-O1A
14	Y	815	CLA	CAA-CBA-CGA-O1A
14	Y	855	CLA	CAA-CBA-CGA-O1A
13	G	801	CL0	CAD-CBD-CGD-O2D
14	A	852	CLA	CAD-CBD-CGD-O2D
14	H	813	CLA	CAD-CBD-CGD-O2D
14	H	834	CLA	CAD-CBD-CGD-O2D
14	Y	819	CLA	CAD-CBD-CGD-O2D
14	Y	831	CLA	CAD-CBD-CGD-O2D
14	Y	840	CLA	CAD-CBD-CGD-O2D
14	Z	812	CLA	CAD-CBD-CGD-O2D
14	Z	834	CLA	CAD-CBD-CGD-O2D
14	Z	839	CLA	CAD-CBD-CGD-O2D
19	Z	847	LMG	C28-C29-C30-C31
14	Z	816	CLA	C5-C6-C7-C8
19	Z	847	LMG	O6-C1-O1-C7
13	A	801	CL0	C2-C1-O2A-CGA
14	B	808	CLA	C2-C1-O2A-CGA
14	B	827	CLA	C2-C1-O2A-CGA
14	G	813	CLA	C2-C1-O2A-CGA
14	G	830	CLA	C2-C1-O2A-CGA
14	H	830	CLA	C2-C1-O2A-CGA
14	Z	835	CLA	C2-C1-O2A-CGA
14	G	836	CLA	CAA-CBA-CGA-O1A
14	H	808	CLA	CAA-CBA-CGA-O2A
14	H	830	CLA	CAA-CBA-CGA-O2A
14	Z	810	CLA	CAA-CBA-CGA-O2A
14	B	811	CLA	CAA-CBA-CGA-O1A
14	B	819	CLA	CAA-CBA-CGA-O1A
14	G	813	CLA	CAA-CBA-CGA-O1A
14	G	820	CLA	CAA-CBA-CGA-O1A
14	Y	811	CLA	CAA-CBA-CGA-O1A
14	H	801	CLA	C10-C11-C12-C13
14	H	818	CLA	C6-C7-C8-C10
19	B	849	LMG	C42-C43-C44-C45
14	B	822	CLA	CAA-CBA-CGA-O2A
14	G	806	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	G	811	CLA	CAA-CBA-CGA-O2A
14	F	202	CLA	CAA-CBA-CGA-O1A
14	B	823	CLA	CAA-CBA-CGA-O1A
15	H	839	PQN	C13-C15-C16-C17
19	B	849	LMG	C13-C14-C15-C16
14	A	840	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O2A
14	H	807	CLA	CAA-CBA-CGA-O2A
14	H	821	CLA	CAA-CBA-CGA-O2A
14	H	822	CLA	CAA-CBA-CGA-O2A
14	Z	804	CLA	CAA-CBA-CGA-O2A
14	A	805	CLA	CAA-CBA-CGA-O1A
14	A	838	CLA	CAA-CBA-CGA-O1A
14	Y	843	CLA	CAA-CBA-CGA-O1A
14	G	813	CLA	C2C-C3C-CAC-CBC

There are no ring outliers.

364 monomers are involved in 1864 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Z	830	CLA	5	0
14	B	801	CLA	11	0
14	A	825	CLA	5	0
14	Z	801	CLA	18	0
17	A	846	BCR	9	0
14	T	103	CLA	2	0
17	B	846	BCR	2	0
14	G	827	CLA	7	0
14	Y	832	CLA	6	0
14	G	825	CLA	11	0
14	H	838	CLA	1	0
14	d	202	CLA	2	0
14	B	803	CLA	19	0
14	Y	809	CLA	3	0
14	Q	201	CLA	9	0
14	G	803	CLA	13	0
14	A	840	CLA	16	0
17	Y	851	BCR	14	0
14	B	802	CLA	7	0
14	A	839	CLA	6	0
14	A	827	CLA	7	0
14	G	819	CLA	14	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	R	101	BCR	4	0
14	B	827	CLA	8	0
14	Y	817	CLA	3	0
14	Z	839	CLA	3	0
17	B	847	BCR	15	0
14	G	815	CLA	4	0
14	H	801	CLA	24	0
13	G	801	CL0	11	0
17	Z	843	BCR	5	0
17	G	850	BCR	14	0
14	Z	803	CLA	1	0
14	H	828	CLA	11	0
17	A	847	BCR	3	0
17	H	848	BCR	5	0
14	T	101	CLA	1	0
17	Z	844	BCR	8	0
14	h	207	CLA	4	0
14	B	815	CLA	7	0
14	h	201	CLA	7	0
17	f	105	BCR	7	0
14	Z	811	CLA	5	0
14	Z	809	CLA	3	0
17	B	844	BCR	3	0
14	Y	804	CLA	4	0
14	B	836	CLA	4	0
14	G	836	CLA	3	0
14	Z	820	CLA	6	0
17	A	848	BCR	8	0
14	H	807	CLA	11	0
14	Y	837	CLA	4	0
17	f	103	BCR	11	0
14	Y	843	CLA	4	0
14	Y	841	CLA	10	0
14	Y	802	CLA	8	0
17	U	1005	BCR	3	0
13	Y	801	CL0	8	0
14	A	836	CLA	7	0
16	a	102	SF4	1	0
14	Y	835	CLA	2	0
14	Y	810	CLA	4	0
14	Y	814	CLA	1	0
14	G	853	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
18	A	850	LHG	4	0
17	T	102	BCR	8	0
14	H	822	CLA	5	0
14	Y	834	CLA	15	0
17	Q	202	BCR	5	0
14	G	818	CLA	14	0
14	g	102	CLA	1	0
14	Z	828	CLA	8	0
17	B	845	BCR	7	0
14	A	818	CLA	5	0
17	A	849	BCR	11	0
14	B	828	CLA	8	0
14	H	819	CLA	4	0
14	Z	812	CLA	2	0
14	H	811	CLA	3	0
14	B	813	CLA	13	0
14	G	828	CLA	13	0
14	A	803	CLA	6	0
14	A	807	CLA	4	0
14	Z	802	CLA	9	0
14	J	102	CLA	1	0
17	G	848	BCR	5	0
14	Z	810	CLA	2	0
17	L	209	BCR	8	0
14	Y	820	CLA	4	0
14	U	1004	CLA	6	0
18	H	847	LHG	2	0
14	W	1701	CLA	4	0
14	Z	835	CLA	10	0
14	A	810	CLA	5	0
14	A	813	CLA	8	0
14	B	821	CLA	2	0
14	G	807	CLA	4	0
14	Z	814	CLA	1	0
14	Z	834	CLA	3	0
14	U	1006	CLA	12	0
14	H	806	CLA	6	0
14	Z	826	CLA	7	0
14	Y	830	CLA	11	0
14	B	825	CLA	9	0
14	Z	804	CLA	6	0
14	G	822	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Y	838	CLA	6	0
19	B	849	LMG	6	0
14	B	830	CLA	4	0
17	f	104	BCR	16	0
14	Z	816	CLA	9	0
19	H	846	LMG	4	0
14	A	833	CLA	5	0
14	Z	825	CLA	12	0
17	Y	849	BCR	7	0
14	Y	842	CLA	11	0
17	M	101	BCR	7	0
14	Z	808	CLA	12	0
14	G	843	CLA	2	0
14	G	824	CLA	9	0
14	B	839	CLA	7	0
14	B	822	CLA	5	0
14	B	808	CLA	5	0
14	H	832	CLA	5	0
18	Y	852	LHG	3	0
14	Y	803	CLA	8	0
17	H	840	BCR	8	0
17	B	843	BCR	2	0
15	G	844	PQN	3	0
17	G	846	BCR	5	0
14	Y	811	CLA	8	0
17	G	854	BCR	11	0
14	H	825	CLA	5	0
14	Y	828	CLA	15	0
16	A	844	SF4	1	0
14	L	205	CLA	5	0
14	A	812	CLA	6	0
17	H	845	BCR	10	0
18	Y	853	LHG	5	0
14	A	822	CLA	8	0
14	L	207	CLA	3	0
14	B	811	CLA	2	0
14	A	806	CLA	12	0
17	Y	848	BCR	5	0
14	B	824	CLA	4	0
14	G	811	CLA	10	0
17	Q	204	BCR	4	0
14	H	835	CLA	10	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	Z	842	BCR	4	0
14	Z	831	CLA	8	0
14	Y	836	CLA	3	0
14	Z	827	CLA	8	0
14	U	1003	CLA	5	0
14	Z	806	CLA	8	0
14	L	206	CLA	7	0
17	G	847	BCR	11	0
14	Y	821	CLA	13	0
17	B	851	BCR	12	0
18	j	101	LHG	2	0
17	J	104	BCR	10	0
14	G	832	CLA	2	0
14	Z	819	CLA	3	0
14	V	1201	CLA	3	0
17	Y	856	BCR	6	0
14	H	829	CLA	5	0
14	h	206	CLA	4	0
14	B	823	CLA	1	0
14	B	814	CLA	3	0
14	G	805	CLA	10	0
14	S	1103	CLA	3	0
14	Z	815	CLA	5	0
14	Z	821	CLA	4	0
14	H	817	CLA	7	0
17	h	202	BCR	7	0
14	G	833	CLA	4	0
14	A	824	CLA	3	0
14	A	852	CLA	12	0
14	B	810	CLA	11	0
14	Y	826	CLA	6	0
18	A	851	LHG	1	0
14	G	823	CLA	2	0
14	H	805	CLA	8	0
14	A	828	CLA	16	0
14	H	823	CLA	8	0
14	Y	813	CLA	4	0
14	Z	823	CLA	8	0
14	Z	817	CLA	4	0
14	B	835	CLA	4	0
17	F	201	BCR	9	0
18	G	851	LHG	7	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Z	807	CLA	5	0
14	G	840	CLA	2	0
14	G	835	CLA	3	0
14	Y	819	CLA	13	0
14	B	834	CLA	3	0
14	B	807	CLA	10	0
17	R	102	BCR	9	0
14	G	841	CLA	5	0
14	H	804	CLA	4	0
14	A	805	CLA	10	0
14	Z	813	CLA	3	0
14	B	826	CLA	8	0
14	Y	815	CLA	1	0
17	H	842	BCR	5	0
17	U	1008	BCR	8	0
14	Y	808	CLA	10	0
14	H	837	CLA	5	0
14	Z	837	CLA	9	0
14	L	202	CLA	8	0
17	Y	847	BCR	9	0
14	A	821	CLA	7	0
14	B	829	CLA	6	0
14	Y	854	CLA	10	0
14	A	804	CLA	6	0
14	G	829	CLA	12	0
14	H	810	CLA	4	0
14	Y	827	CLA	10	0
14	B	805	CLA	7	0
14	A	832	CLA	3	0
19	Z	847	LMG	3	0
14	A	837	CLA	10	0
14	G	804	CLA	9	0
14	Y	840	CLA	6	0
14	G	817	CLA	6	0
14	A	829	CLA	12	0
14	G	838	CLA	2	0
14	G	830	CLA	8	0
16	N	102	SF4	2	0
14	H	834	CLA	6	0
15	Z	840	PQN	2	0
16	C	101	SF4	2	0
14	H	831	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	V	1202	BCR	5	0
17	d	203	BCR	5	0
14	U	1002	CLA	9	0
14	H	812	CLA	6	0
14	B	817	CLA	6	0
14	H	820	CLA	3	0
14	h	205	CLA	10	0
17	L	208	BCR	6	0
17	A	845	BCR	3	0
14	B	806	CLA	6	0
14	S	1101	CLA	7	0
14	Y	816	CLA	2	0
14	B	833	CLA	5	0
14	H	830	CLA	7	0
14	A	817	CLA	3	0
15	A	843	PQN	6	0
14	B	838	CLA	6	0
18	G	852	LHG	4	0
14	A	841	CLA	11	0
14	A	802	CLA	10	0
14	H	824	CLA	12	0
15	Y	844	PQN	5	0
14	B	831	CLA	3	0
14	Z	824	CLA	6	0
14	B	840	CLA	7	0
14	G	831	CLA	5	0
14	G	806	CLA	6	0
14	A	835	CLA	5	0
17	H	843	BCR	5	0
14	H	813	CLA	2	0
14	f	102	CLA	3	0
14	A	838	CLA	6	0
14	j	102	CLA	2	0
14	H	818	CLA	6	0
14	d	201	CLA	9	0
14	B	841	CLA	3	0
14	H	816	CLA	11	0
14	Y	829	CLA	9	0
14	G	821	CLA	11	0
14	Y	823	CLA	2	0
14	Z	832	CLA	8	0
17	Z	841	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	809	CLA	4	0
14	H	809	CLA	11	0
17	H	844	BCR	9	0
14	B	832	CLA	8	0
17	B	848	BCR	11	0
14	A	815	CLA	2	0
17	Z	846	BCR	6	0
14	B	809	CLA	8	0
14	H	814	CLA	5	0
17	Y	850	BCR	10	0
14	B	820	CLA	3	0
14	H	821	CLA	8	0
14	A	826	CLA	12	0
14	G	812	CLA	1	0
14	G	839	CLA	9	0
14	G	820	CLA	5	0
14	H	803	CLA	14	0
14	Y	855	CLA	19	0
14	Z	829	CLA	3	0
14	A	830	CLA	6	0
14	g	101	CLA	1	0
14	A	834	CLA	7	0
14	A	809	CLA	2	0
17	J	103	BCR	12	0
14	H	836	CLA	10	0
14	G	802	CLA	19	0
17	K	102	BCR	3	0
14	H	802	CLA	17	0
14	Y	807	CLA	1	0
17	L	203	BCR	7	0
14	G	837	CLA	6	0
16	C	102	SF4	3	0
14	G	813	CLA	12	0
14	Y	812	CLA	2	0
14	Y	833	CLA	8	0
14	B	818	CLA	6	0
14	Y	839	CLA	4	0
14	Y	822	CLA	1	0
17	G	849	BCR	15	0
14	Z	836	CLA	4	0
14	G	810	CLA	2	0
14	F	202	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	819	CLA	4	0
17	i	101	BCR	6	0
14	A	820	CLA	4	0
14	A	831	CLA	5	0
14	Y	805	CLA	12	0
14	A	814	CLA	2	0
14	Z	838	CLA	5	0
14	G	842	CLA	7	0
14	Y	818	CLA	4	0
14	B	837	CLA	6	0
14	Z	822	CLA	6	0
17	Y	846	BCR	9	0
14	S	1102	CLA	1	0
14	Z	833	CLA	5	0
14	G	814	CLA	6	0
14	G	834	CLA	5	0
14	Z	805	CLA	6	0
14	Q	203	CLA	2	0
14	K	103	CLA	3	0
16	N	101	SF4	1	0
14	G	826	CLA	5	0
14	Z	818	CLA	4	0
14	A	819	CLA	11	0
17	e	101	BCR	5	0
14	A	811	CLA	6	0
14	H	833	CLA	3	0
14	K	101	CLA	1	0
14	Y	825	CLA	8	0
14	L	201	CLA	5	0
14	H	827	CLA	8	0
13	A	801	CL0	10	0
14	B	804	CLA	12	0
17	h	203	BCR	3	0
17	U	1007	BCR	12	0
17	Z	845	BCR	6	0
14	Y	806	CLA	8	0
15	B	842	PQN	9	0
15	H	839	PQN	4	0
17	S	1104	BCR	9	0
14	H	815	CLA	1	0
14	H	808	CLA	13	0
14	H	826	CLA	9	0

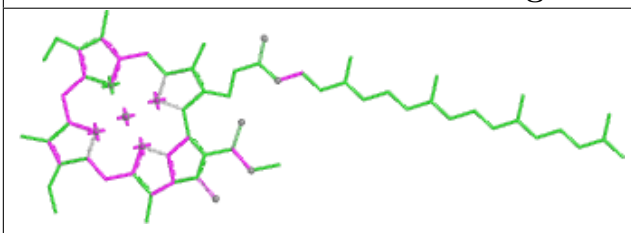
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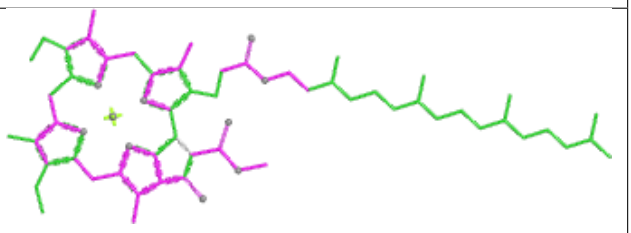
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Y	824	CLA	5	0
14	G	808	CLA	10	0
14	Y	831	CLA	5	0
17	H	841	BCR	5	0
17	I	101	BCR	6	0
14	A	808	CLA	7	0

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 then 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.

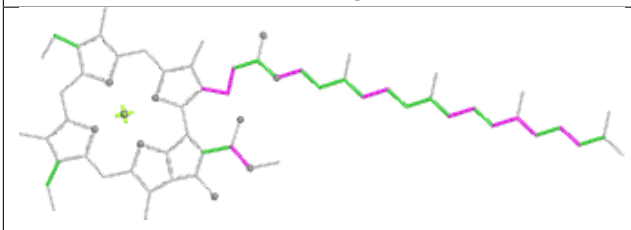
Ligand CLA Z 830



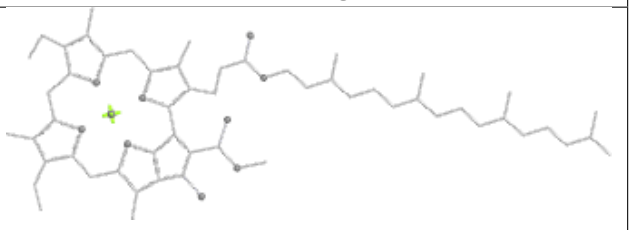
Bond lengths



Bond angles

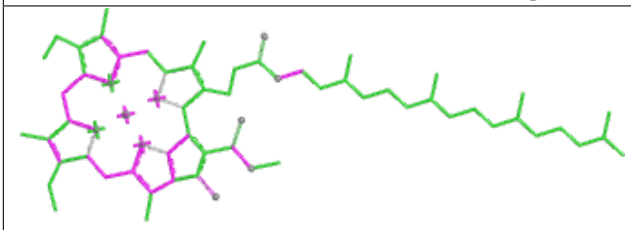


Torsions

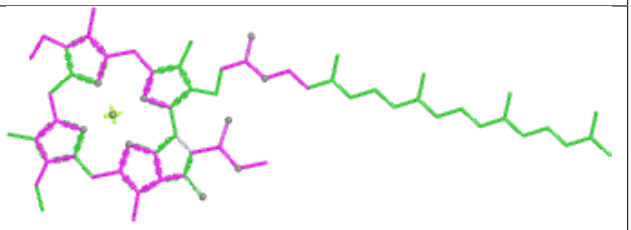


Rings

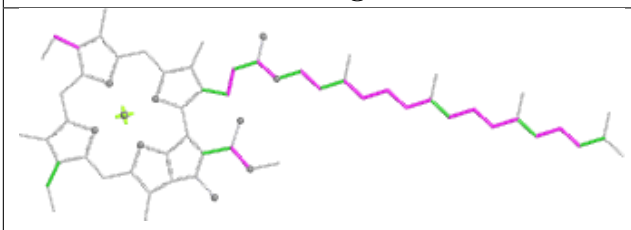
Ligand CLA B 801



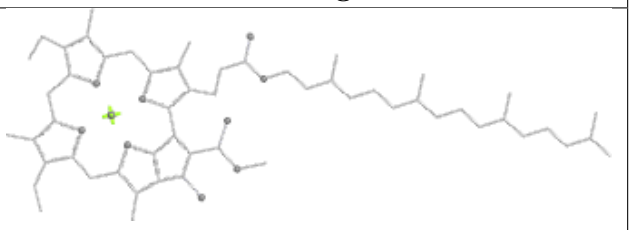
Bond lengths



Bond angles

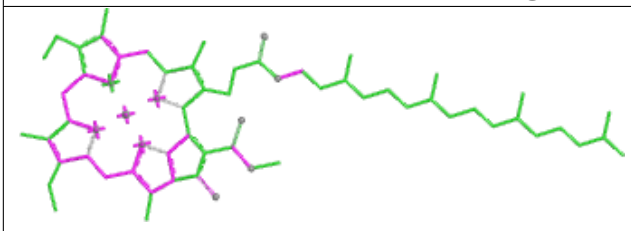


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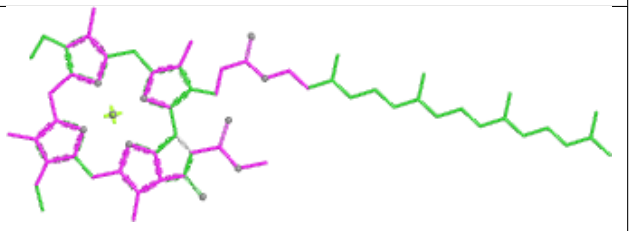


Rings

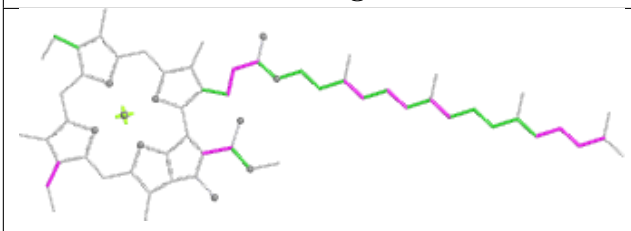
Ligand CLA A 825



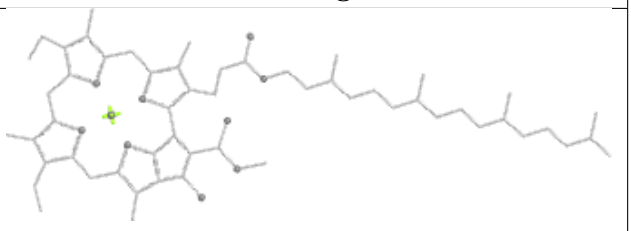
Bond lengths



Bond angles

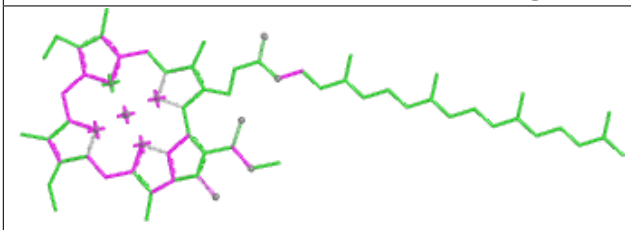


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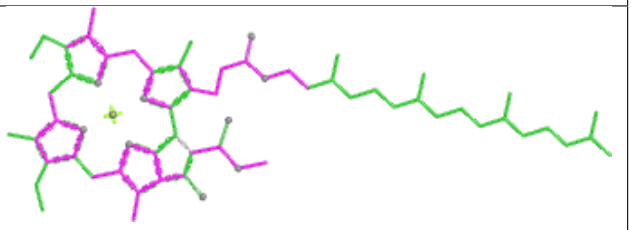


Rings

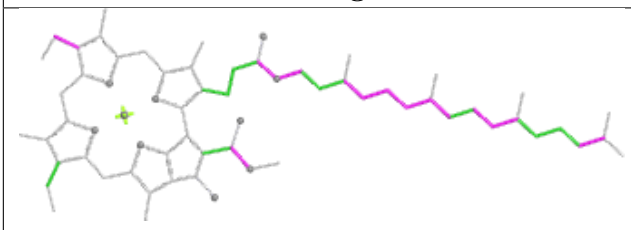
Ligand CLA Z 801



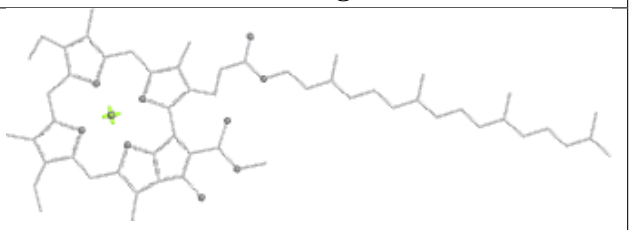
Bond lengths



Bond angles

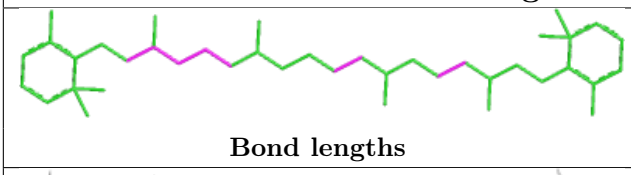


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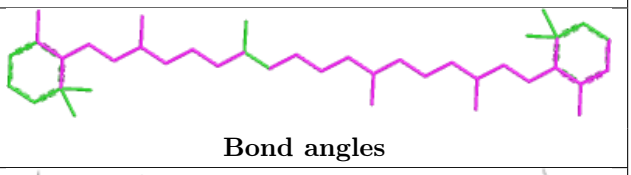


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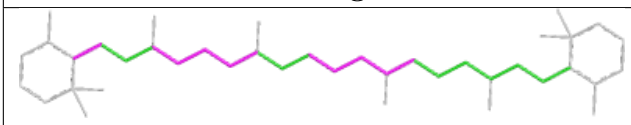
Ligand BCR A 846



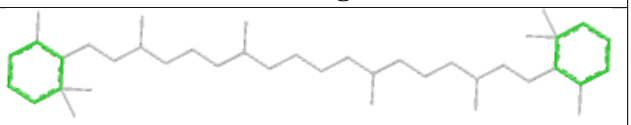
Bond lengths



Bond angles

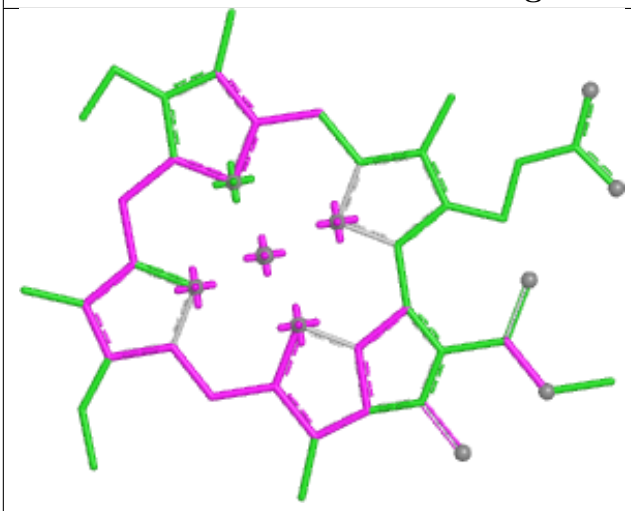


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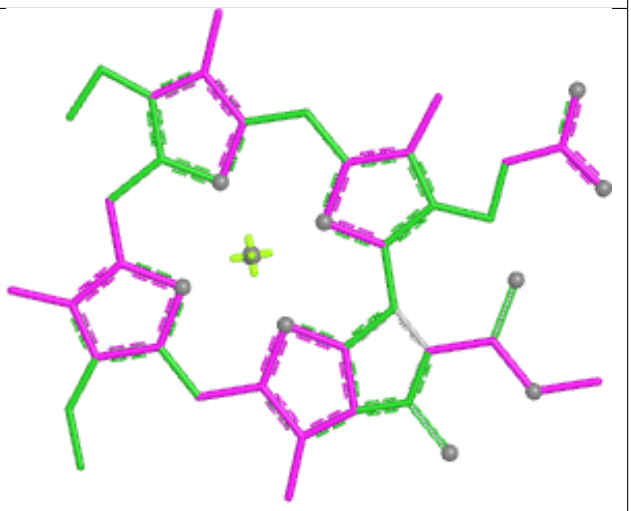


Rings

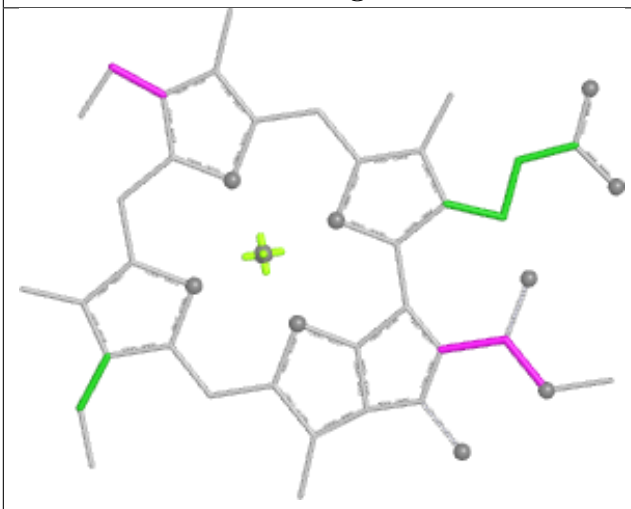
Ligand CLA T 103



Bond lengths



Bond angles

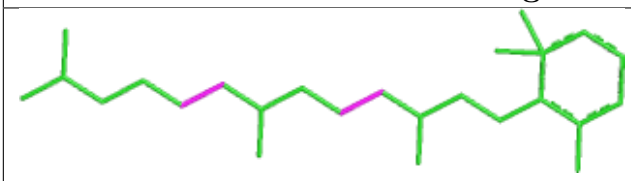


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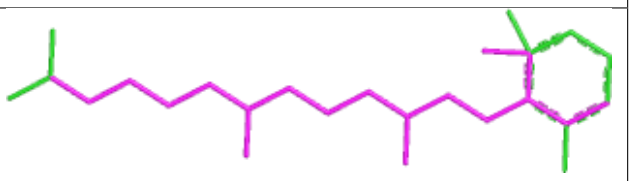


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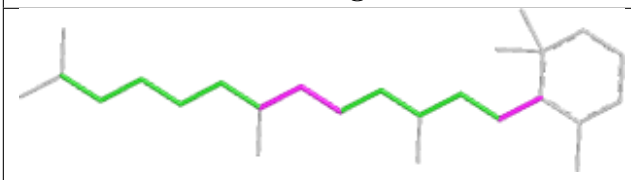
Ligand BCR B 846



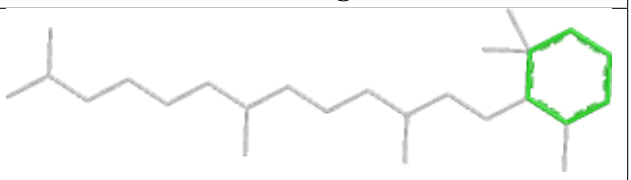
Bond lengths



Bond angles

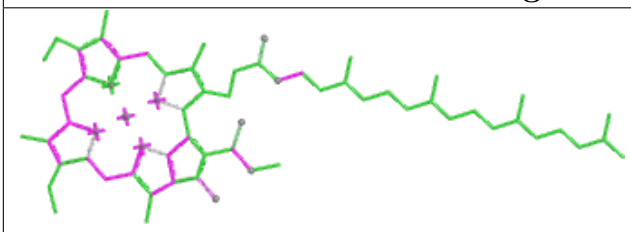


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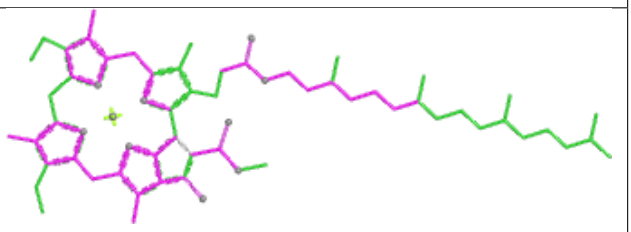


Rings

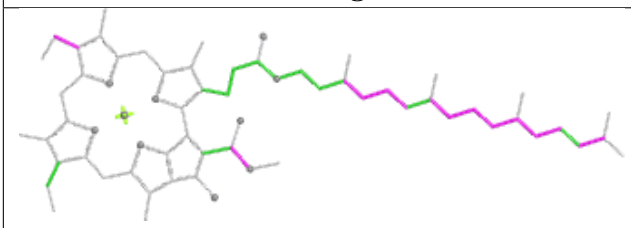
Ligand CLA G 827



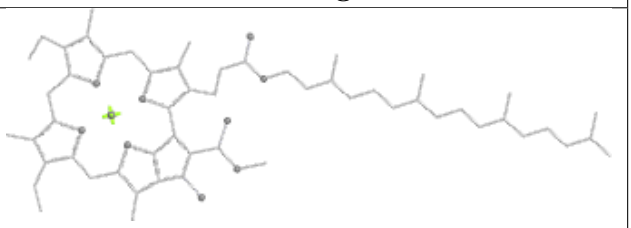
Bond lengths



Bond angles

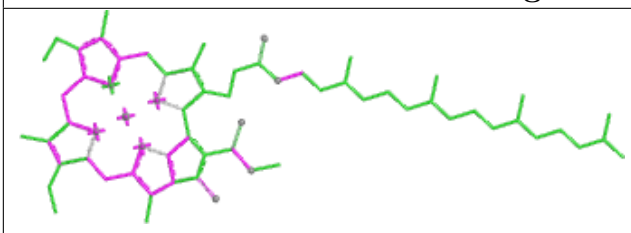


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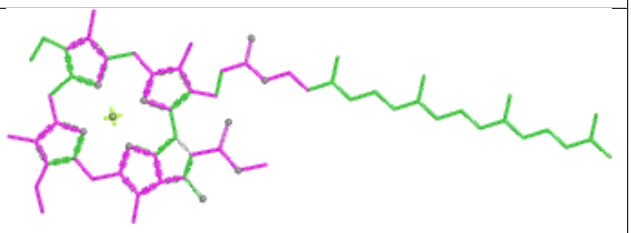


Rings

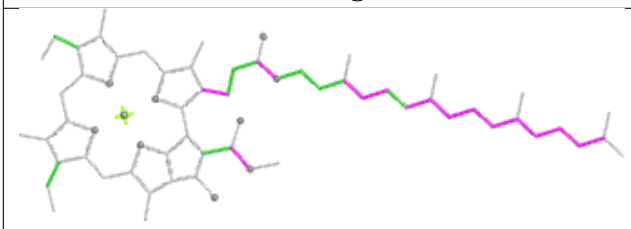
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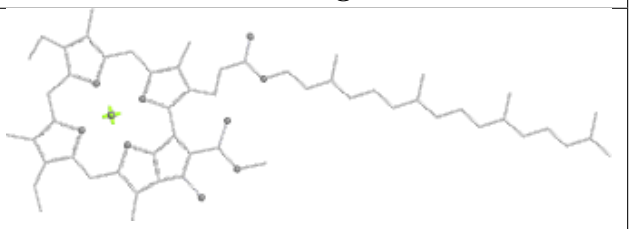
Bond lengths



Bond angles

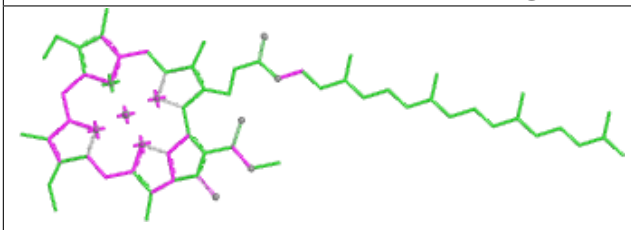


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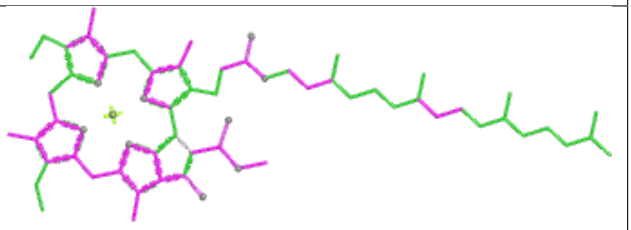


Rings

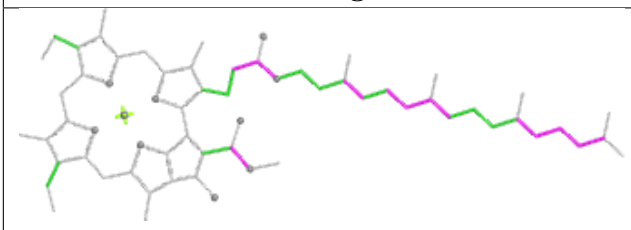
Ligand CLA G 825



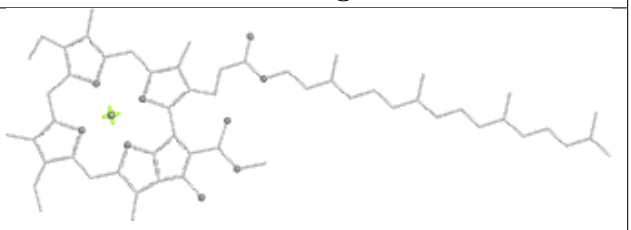
Bond lengths



Bond angles

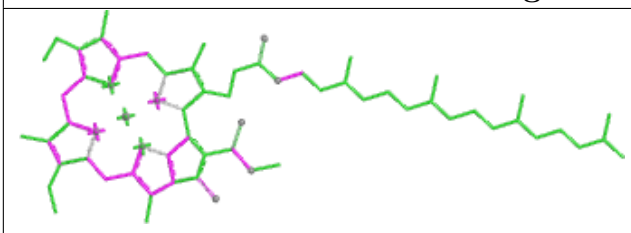


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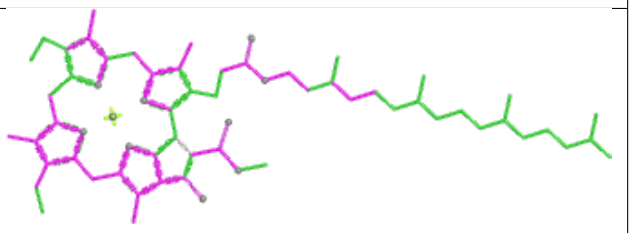


Rings

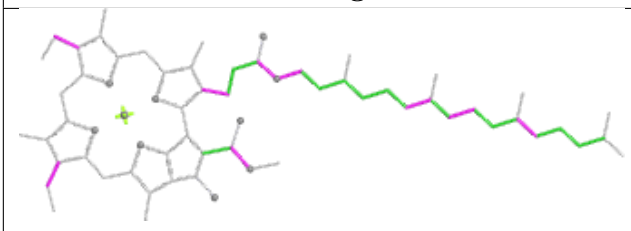
Ligand CLA H 838



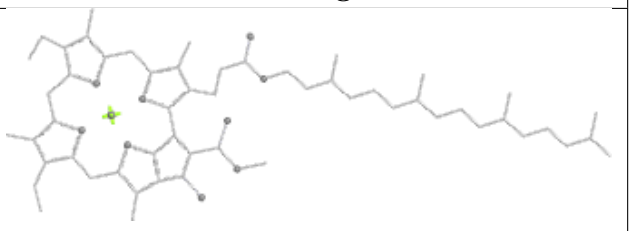
Bond lengths



Bond angles

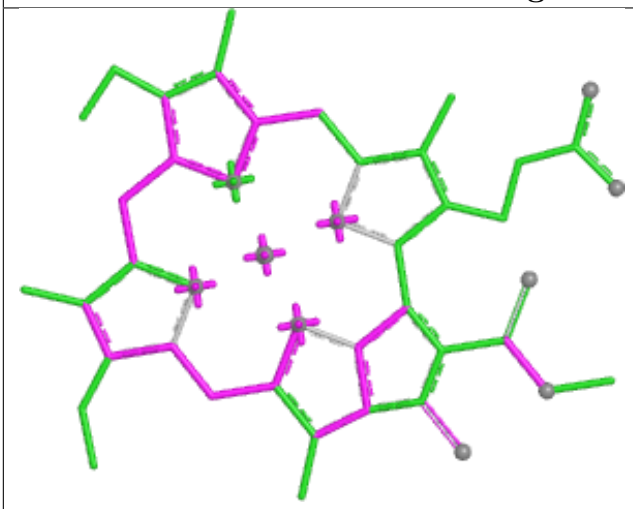


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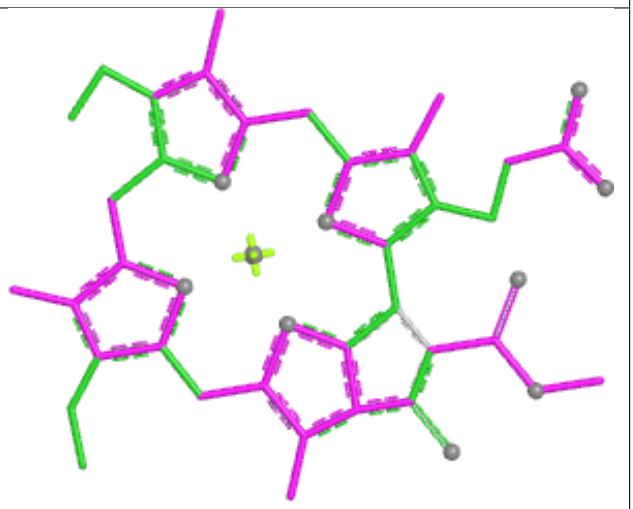


Rings

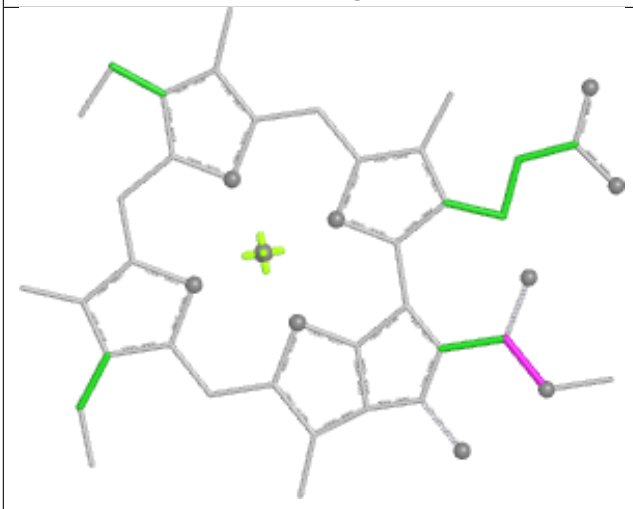
Ligand CLA d 202



Bond lengths



Bond angles

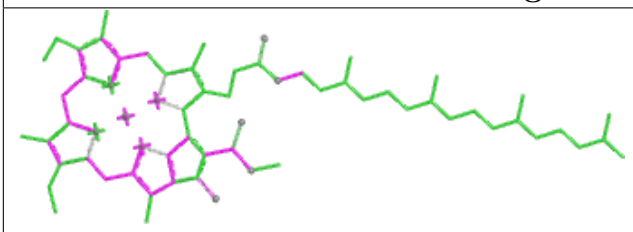


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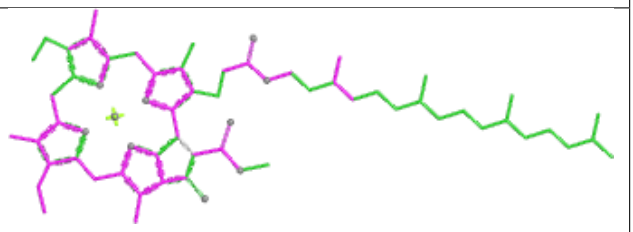


Rings

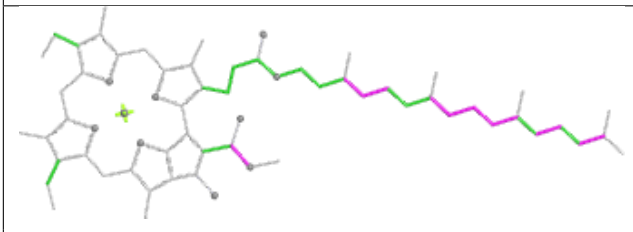
Ligand CLA B 803



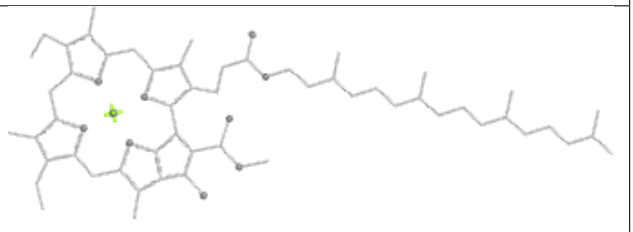
Bond lengths



Bond angles

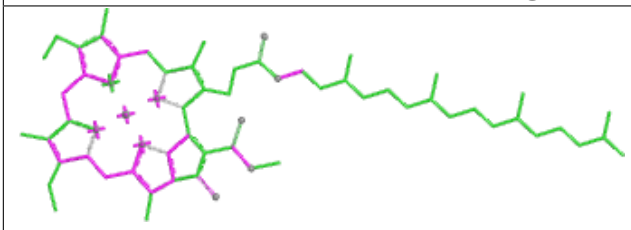


Torsions

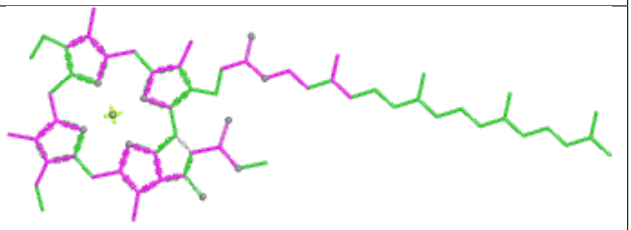


Rings

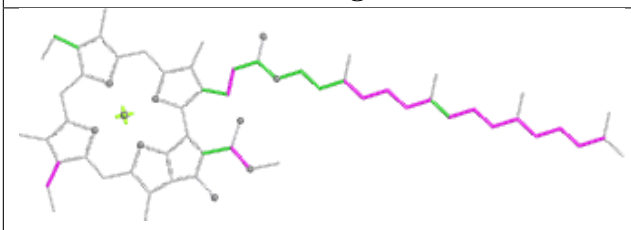
Ligand CLA Y 809



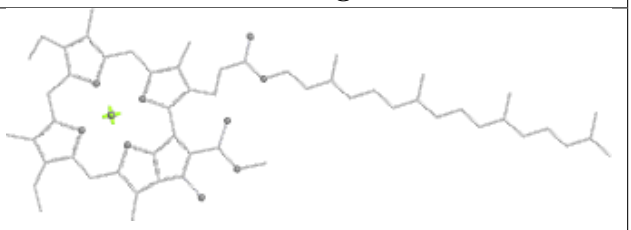
Bond lengths



Bond angles

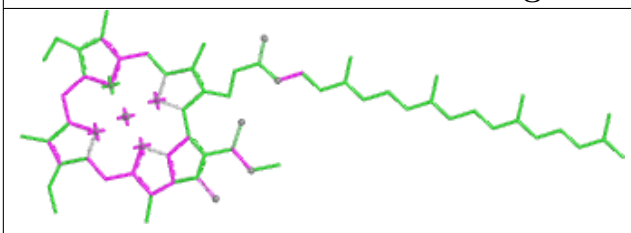


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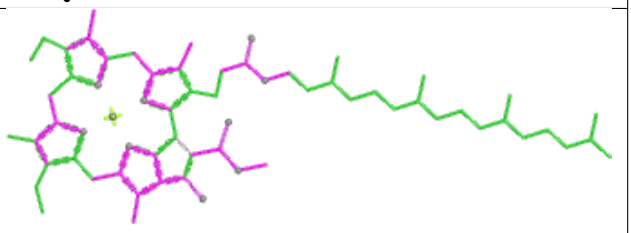


Rings

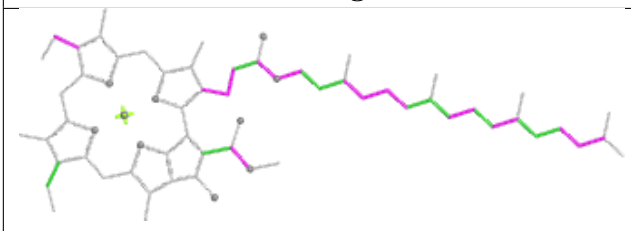
Ligand CLA Q 201



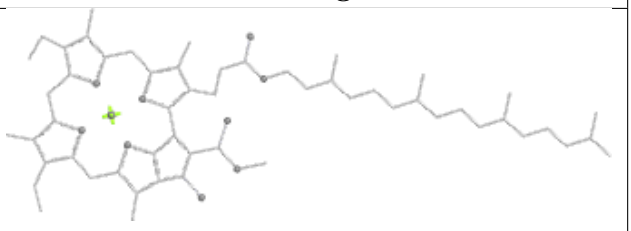
Bond lengths



Bond angles

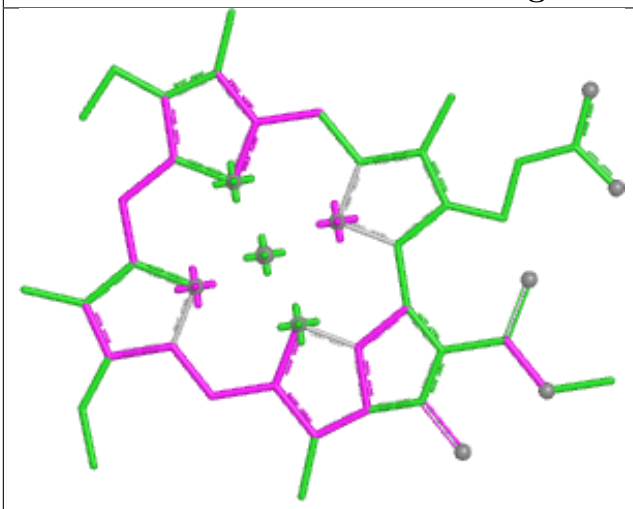


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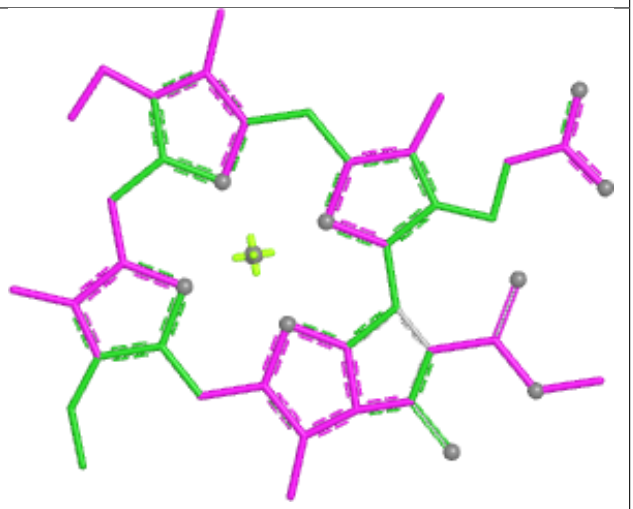


Rings

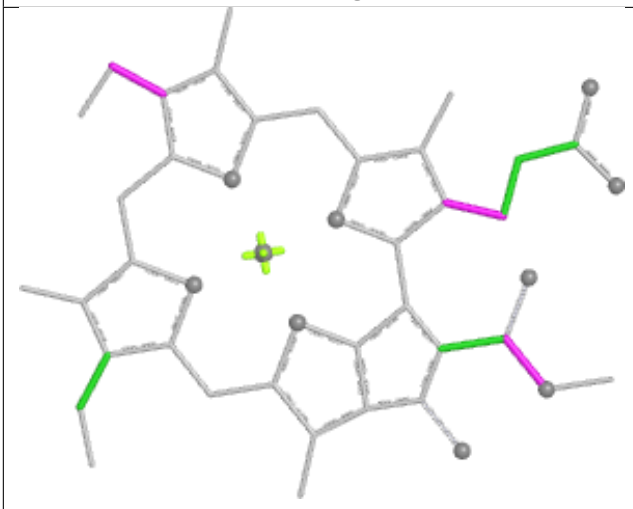
Ligand CLA J 101



Bond lengths



Bond angles

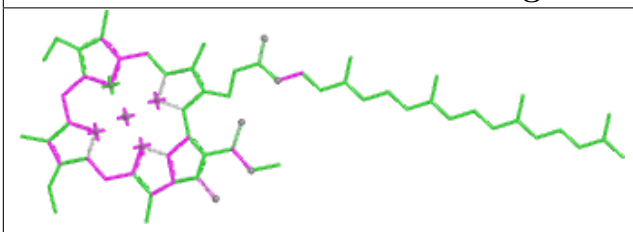


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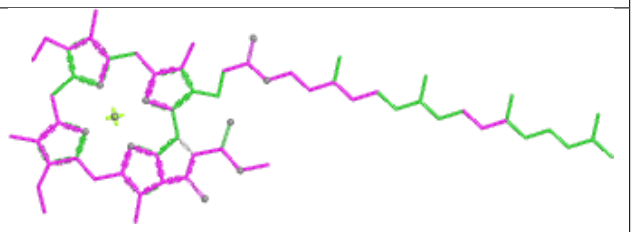


Rings

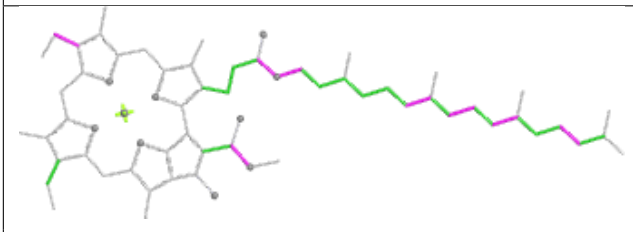
Ligand CLA G 803



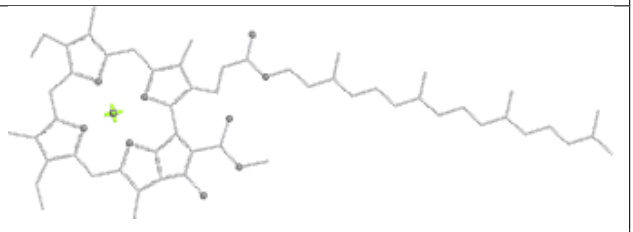
Bond lengths



Bond angles

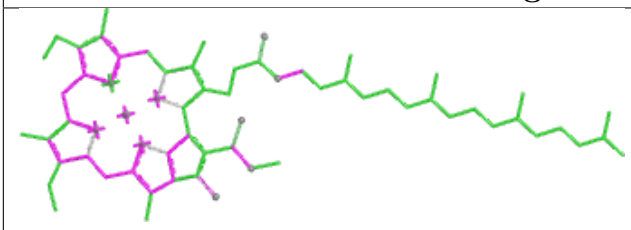


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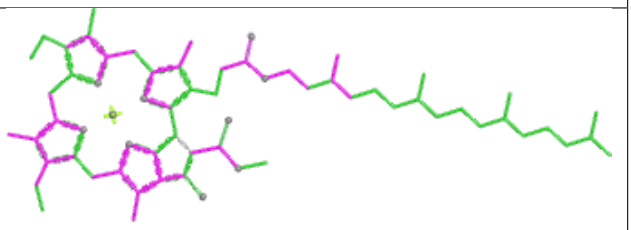


Rings

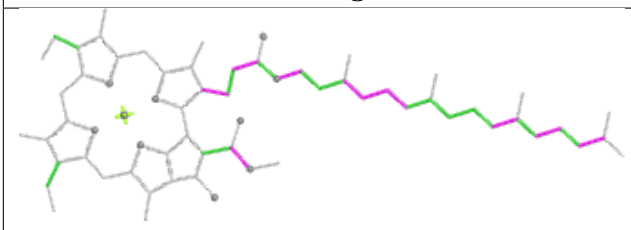
Ligand CLA A 840



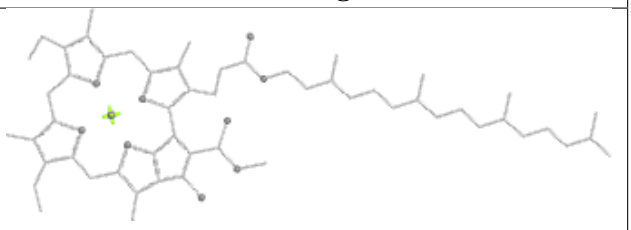
Bond lengths



Bond angles

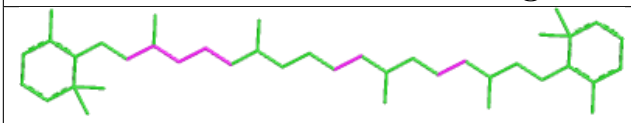


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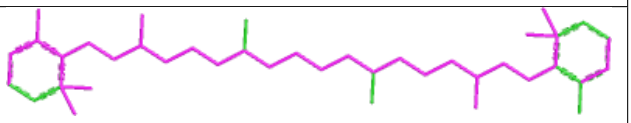


Rings

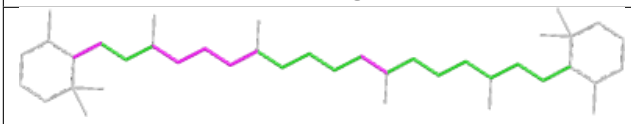
Ligand BCR Y 851



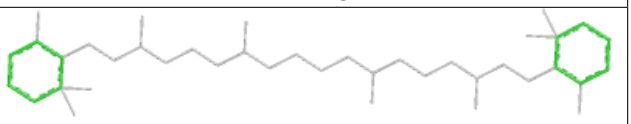
Bond lengths



Bond angles

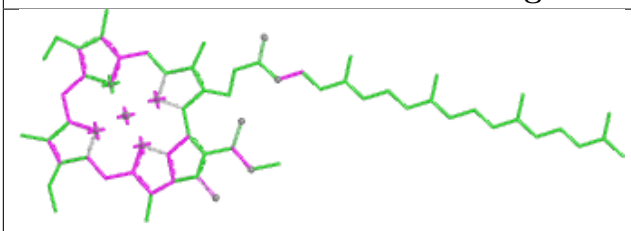


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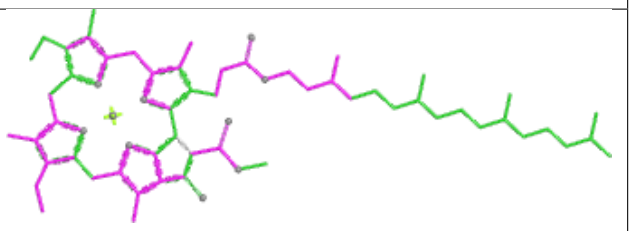


Rings

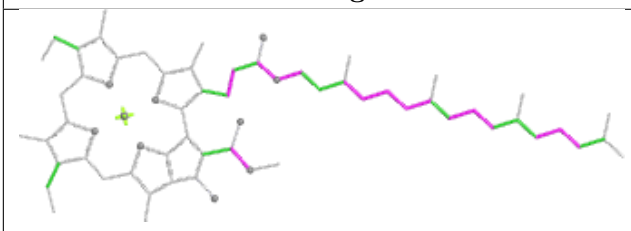
Ligand CLA B 802



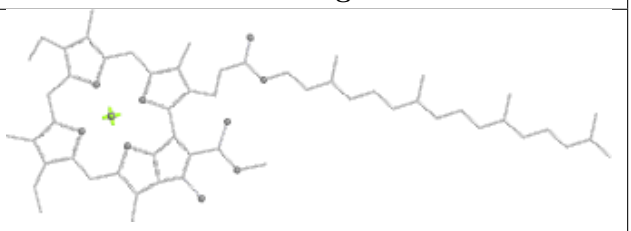
Bond lengths



Bond angles

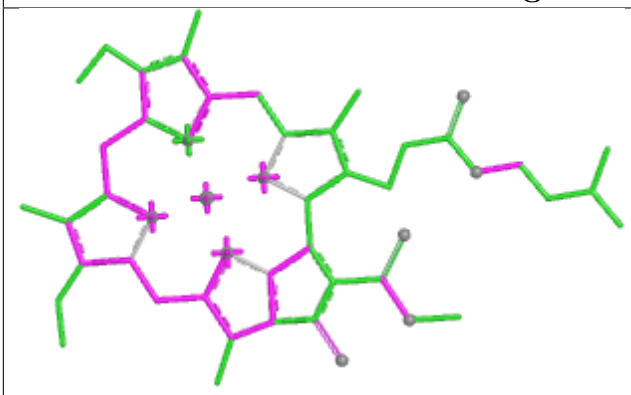


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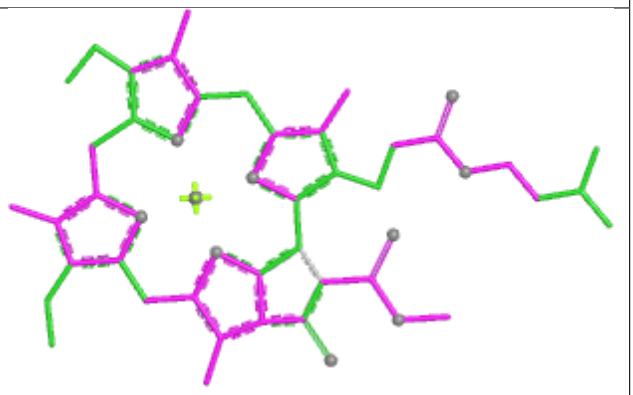


Rings

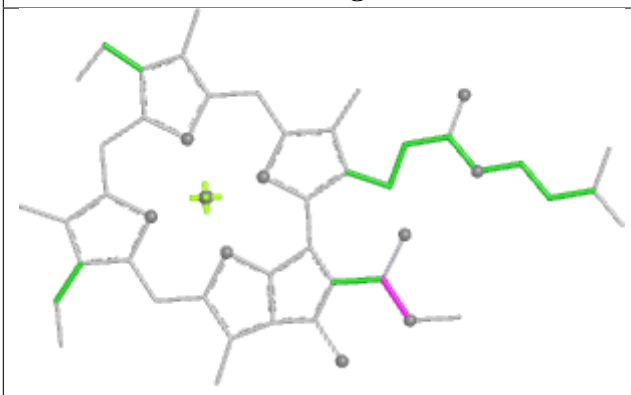
Ligand CLA A 839



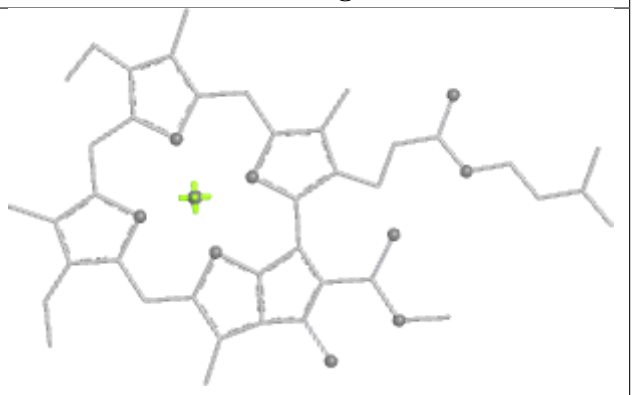
Bond lengths



Bond angles

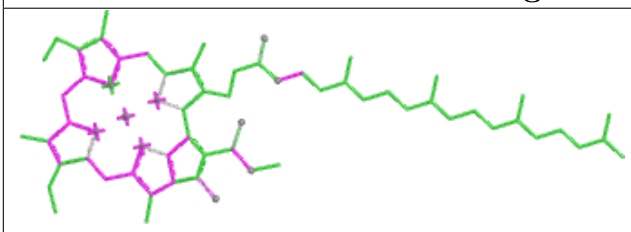


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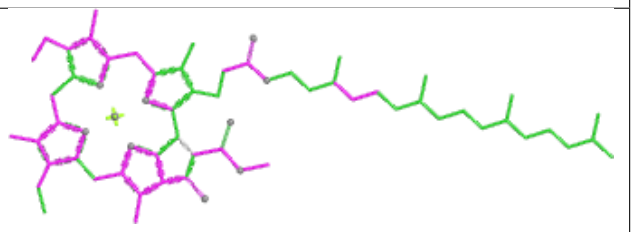


Rings

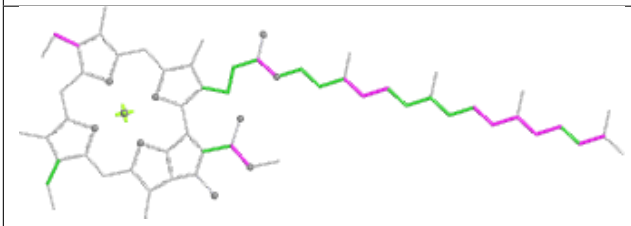
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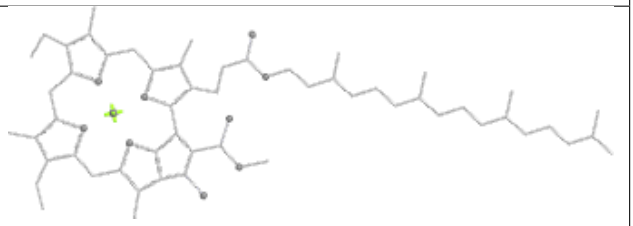
Bond lengths



Bond angles

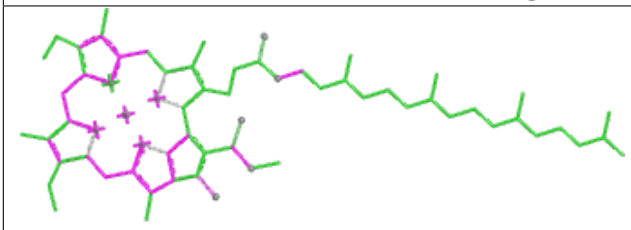


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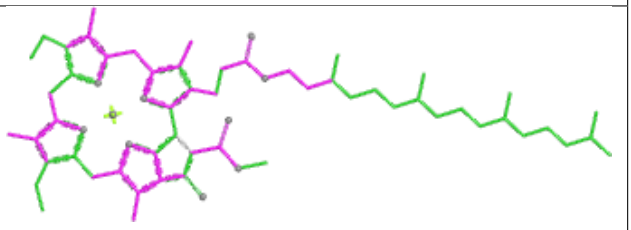


Rings

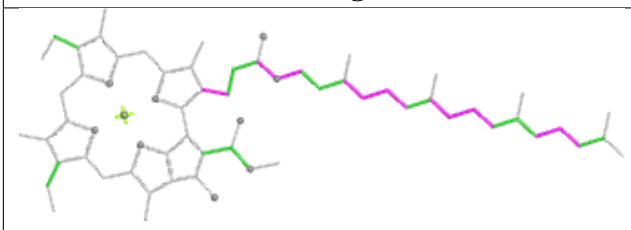
Ligand CLA G 819



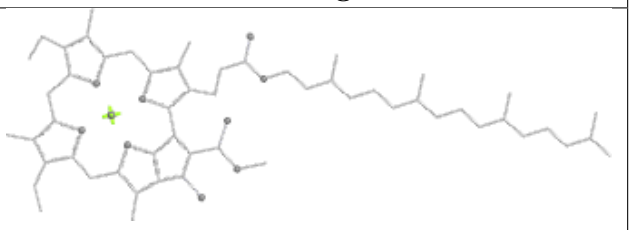
Bond lengths



Bond angles

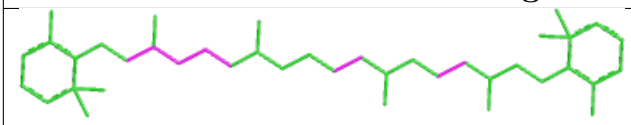


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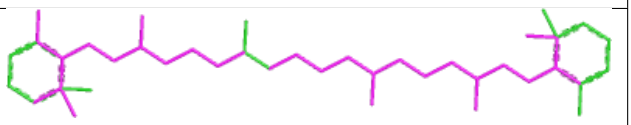


Rings

Ligand BCR R 101



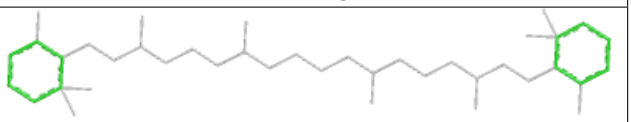
Bond lengths



Bond angles

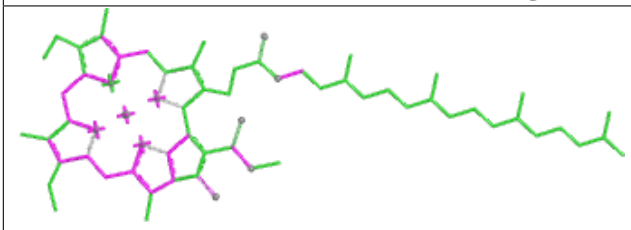


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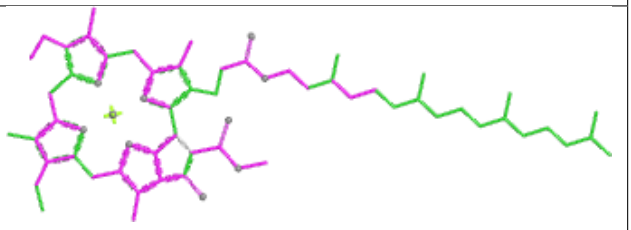


Rings

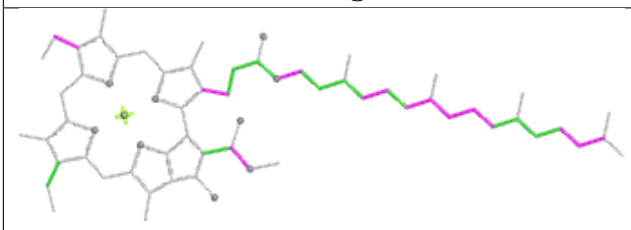
Ligand CLA B 827



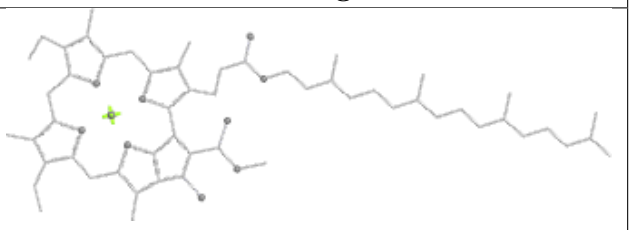
Bond lengths



Bond angles

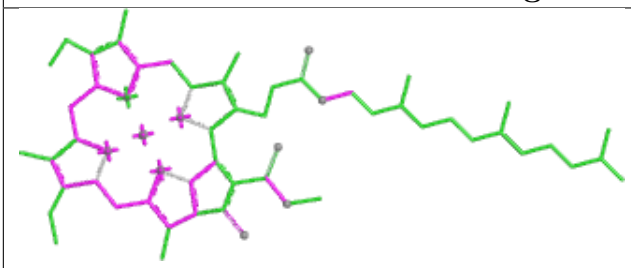


Torsions

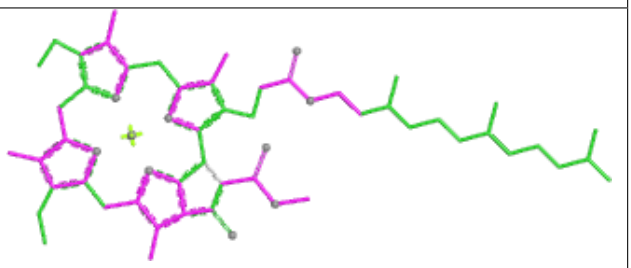


Rings

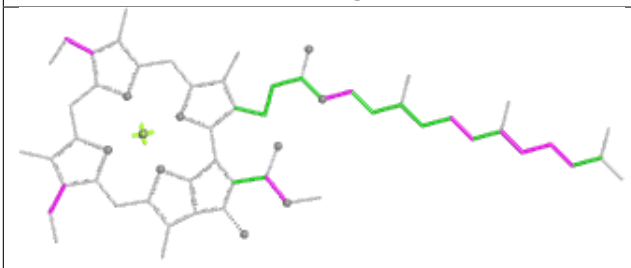
Ligand CLA Y 817



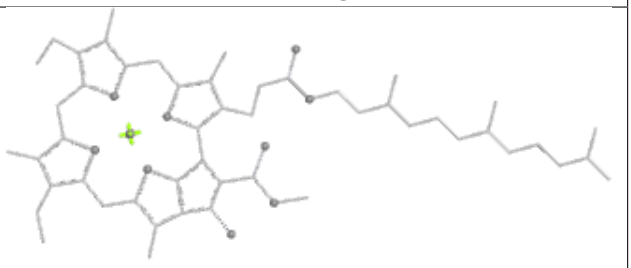
Bond lengths



Bond angles

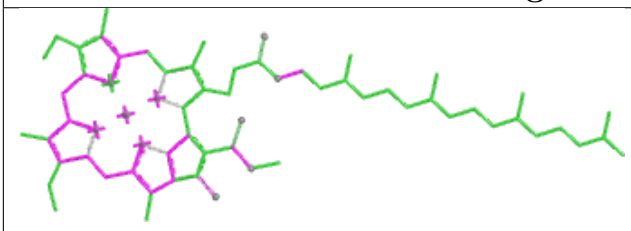


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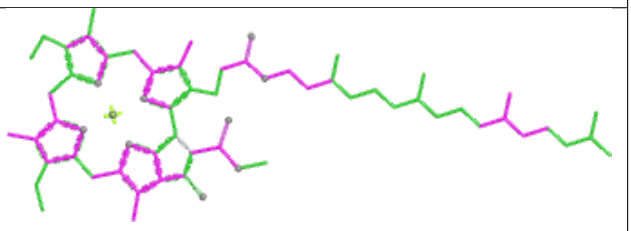


Rings

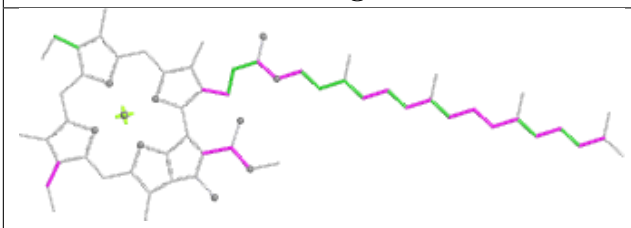
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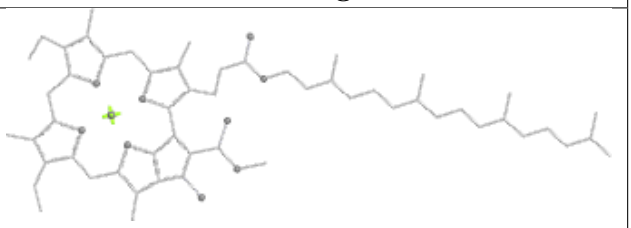
Bond lengths



Bond angles

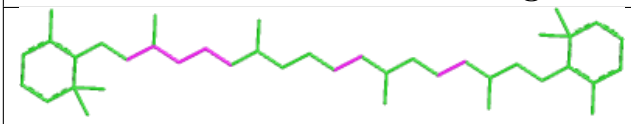


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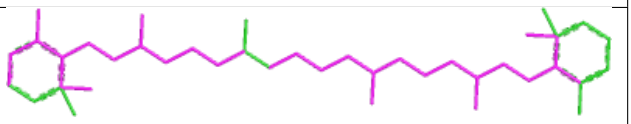


Rings

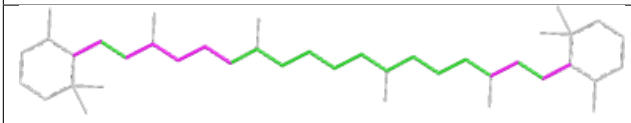
Ligand BCR B 847



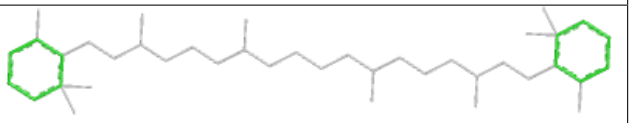
Bond lengths



Bond angles

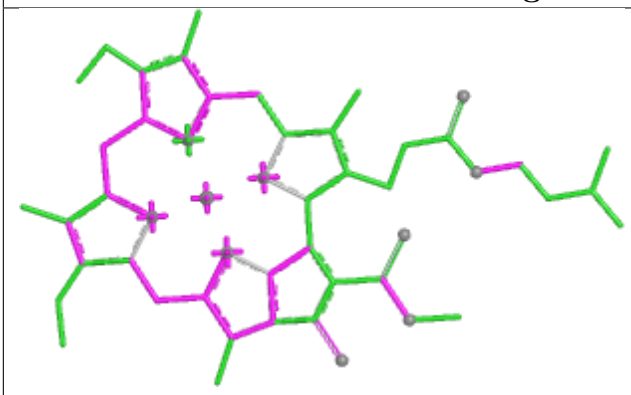


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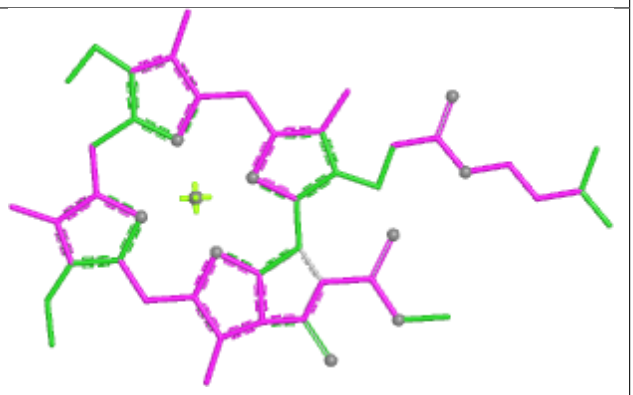


Rings

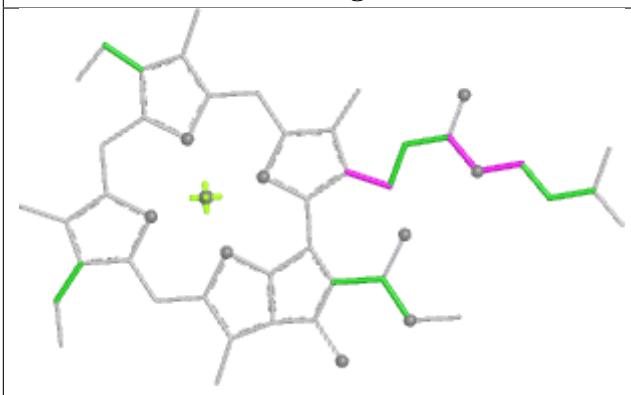
Ligand CLA G 815



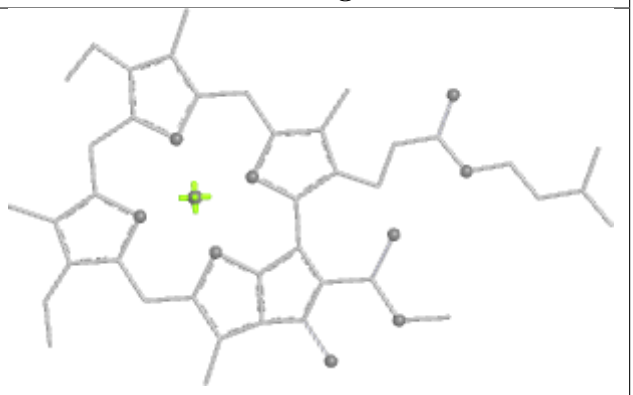
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Bond angles

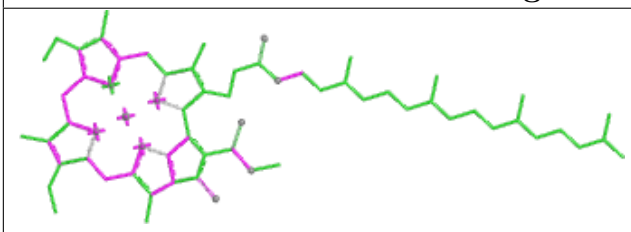


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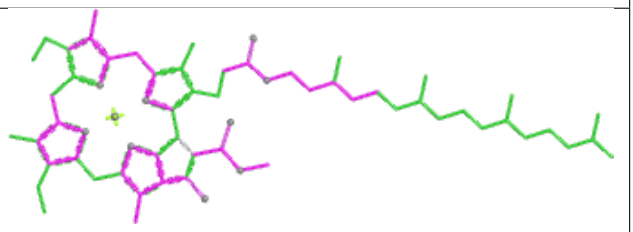


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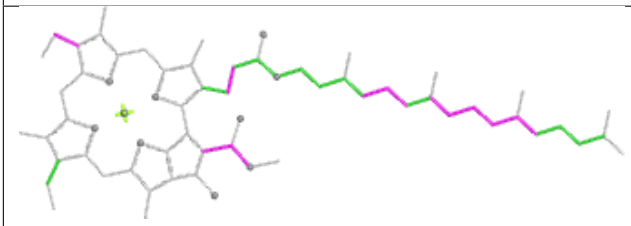
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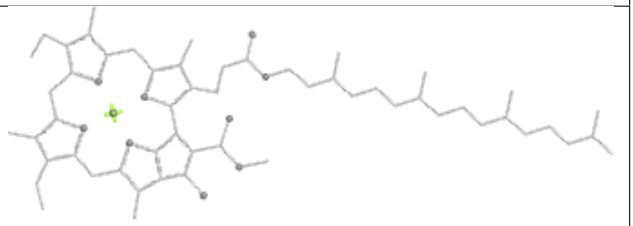
Bond lengths



Bond angles

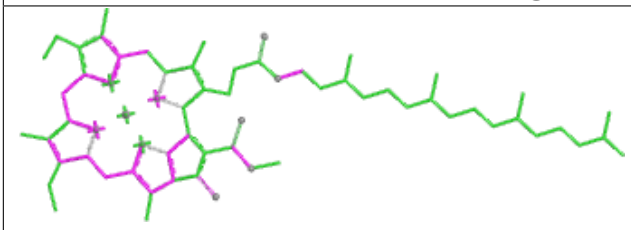


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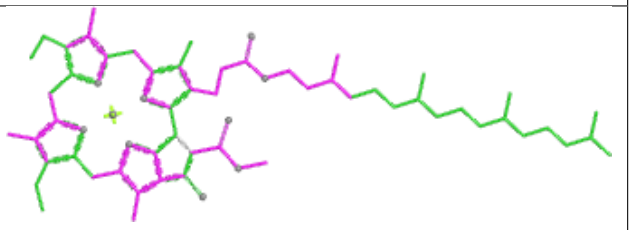


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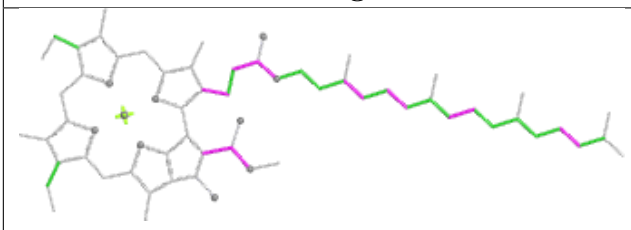
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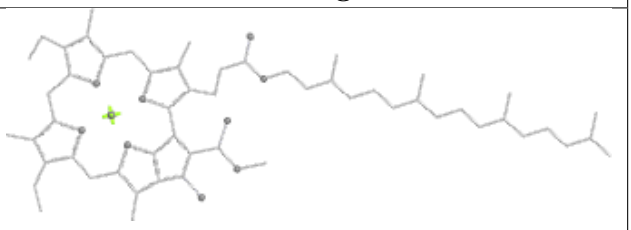
Bond lengths



Bond angles

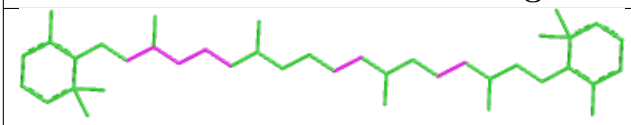


Torsions



Rings

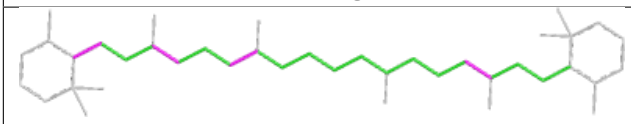
Ligand BCR Z 843



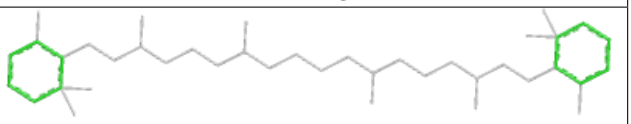
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Bond angles

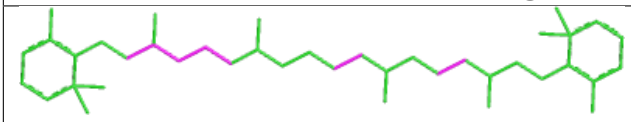


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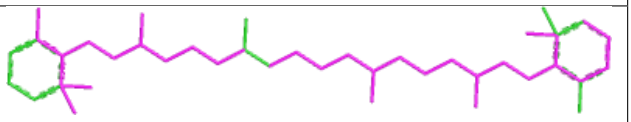


Rings

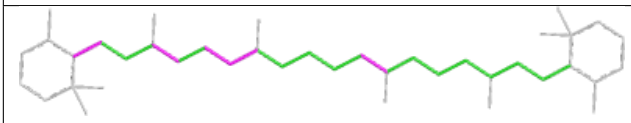
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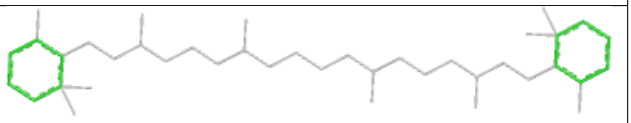
Bond lengths



Bond angles

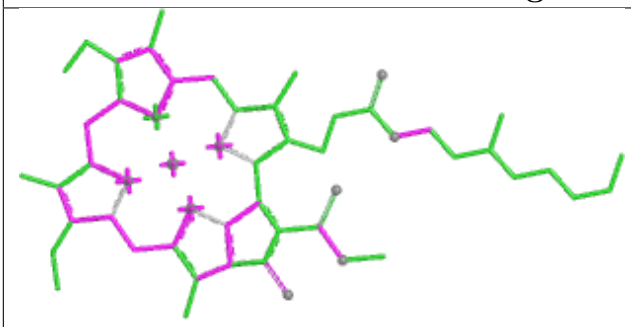


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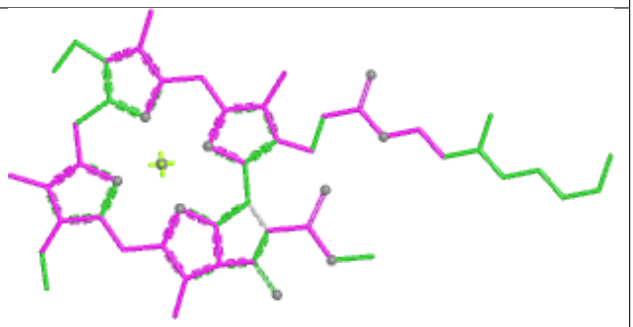


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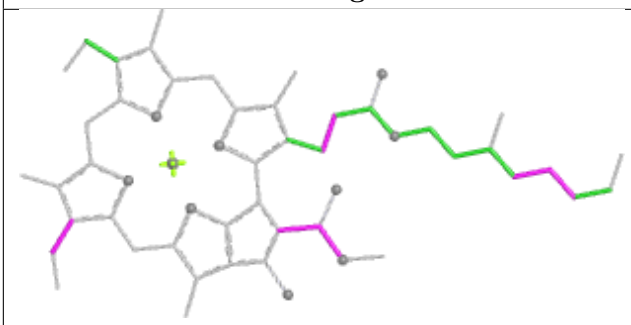
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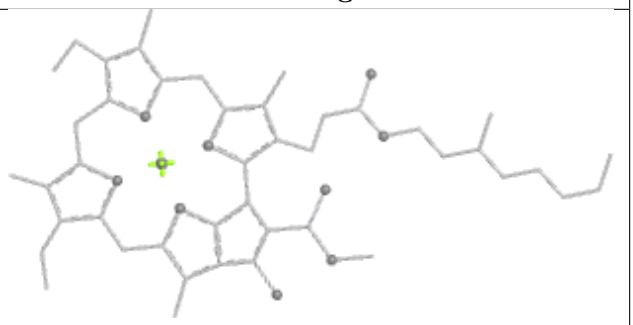
Bond lengths



Bond angles

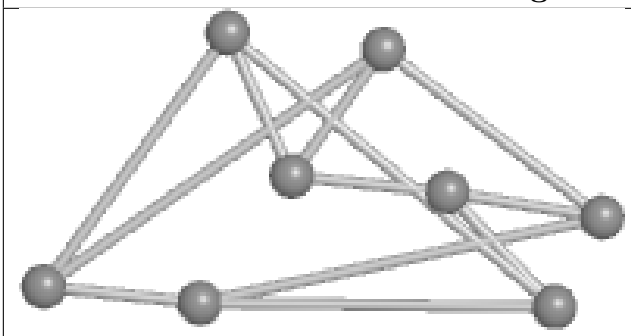


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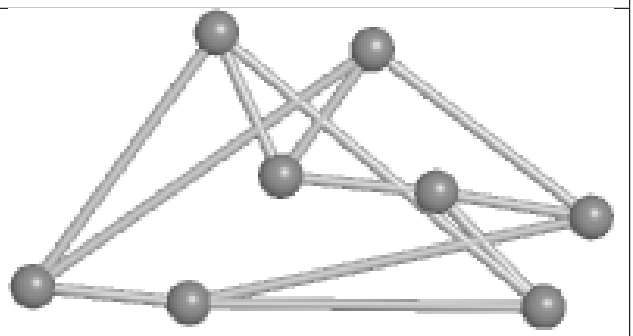


Rings

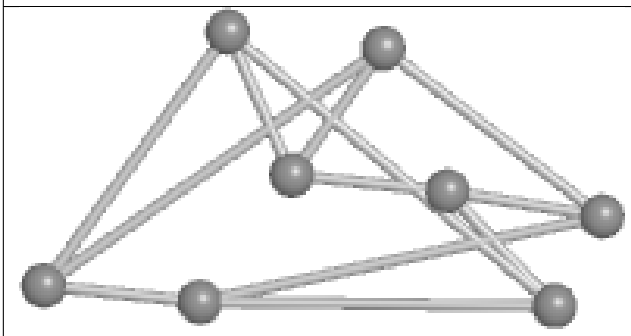
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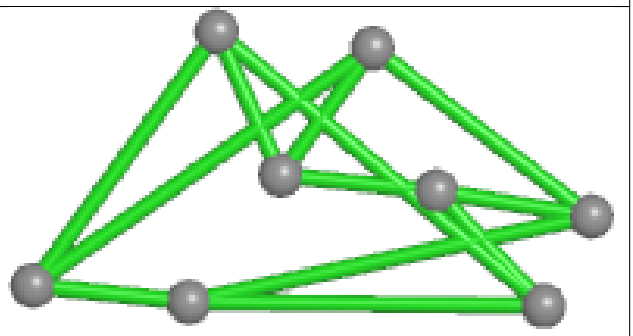
Bond lengths



Bond angles

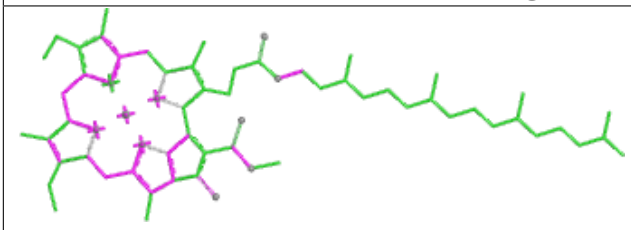


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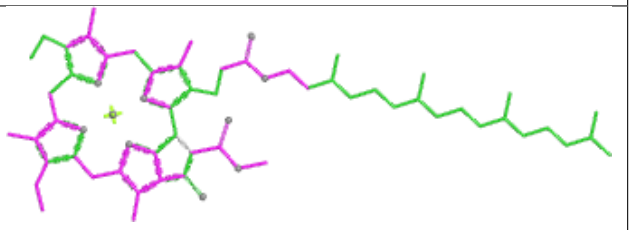


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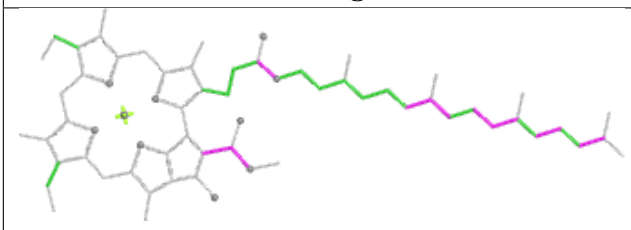
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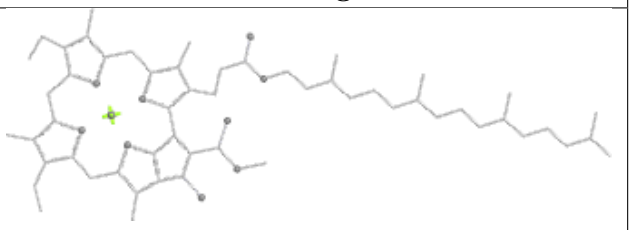
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Bond angles

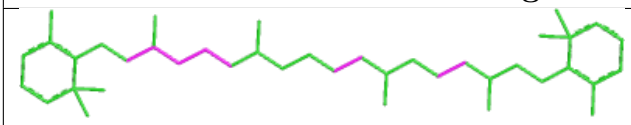


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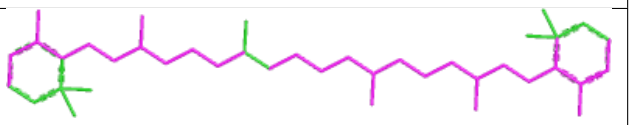


Rings

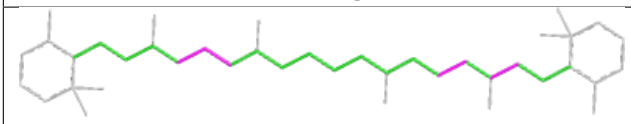
Ligand BCR A 847



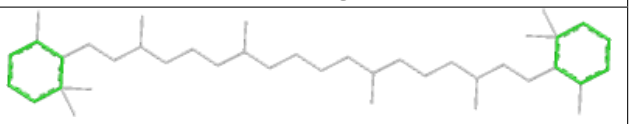
Bond lengths



Bond angles

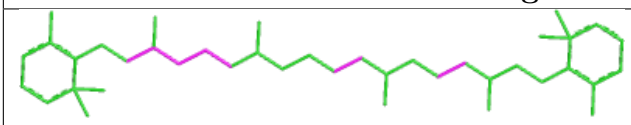


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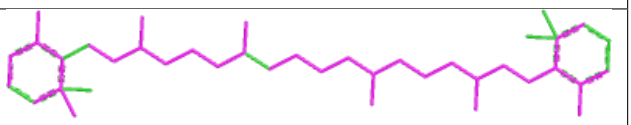


Rings

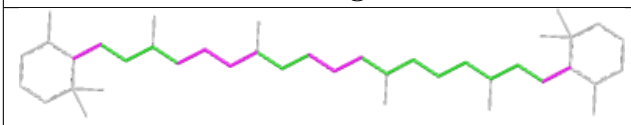
Ligand BCR H 848



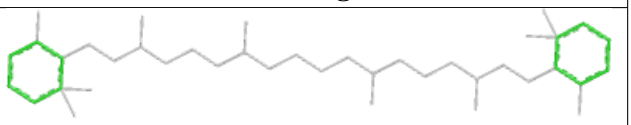
Bond lengths



Bond angles

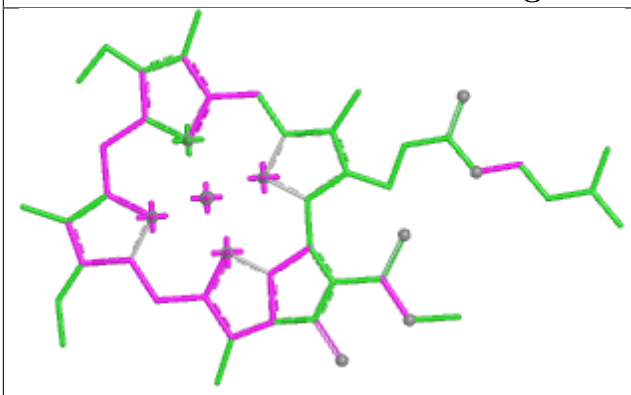


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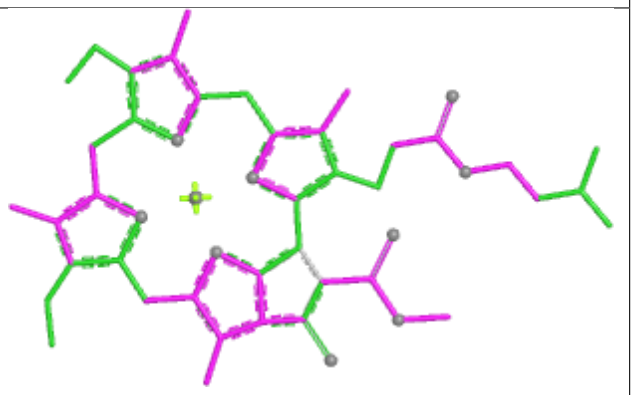


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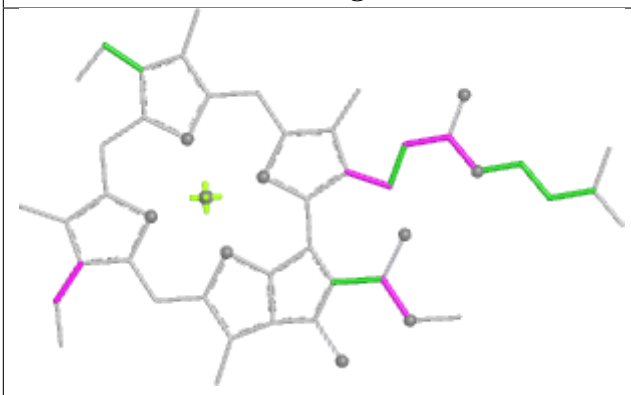
Ligand CLA A 816



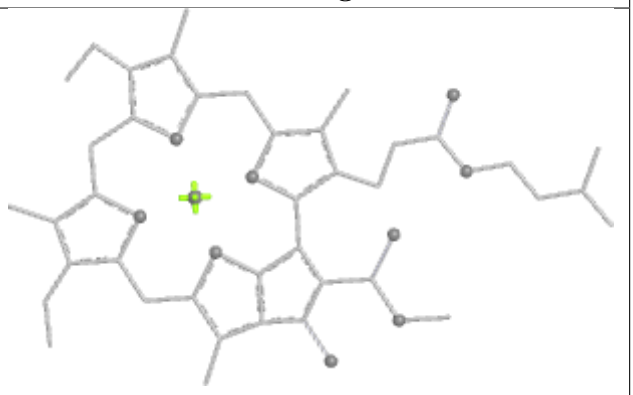
Bond lengths



Bond angles

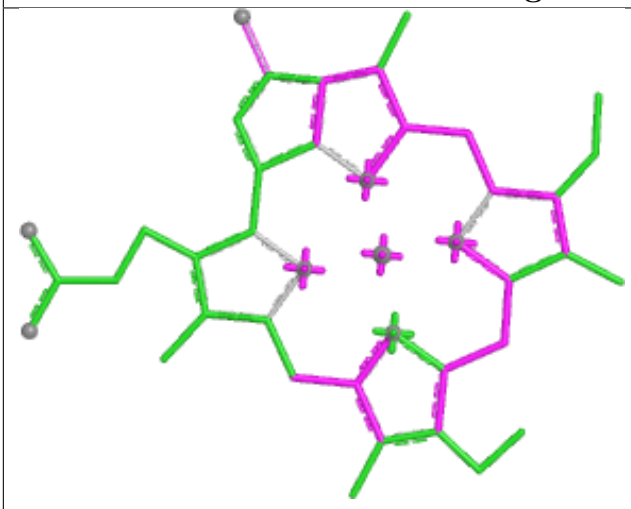


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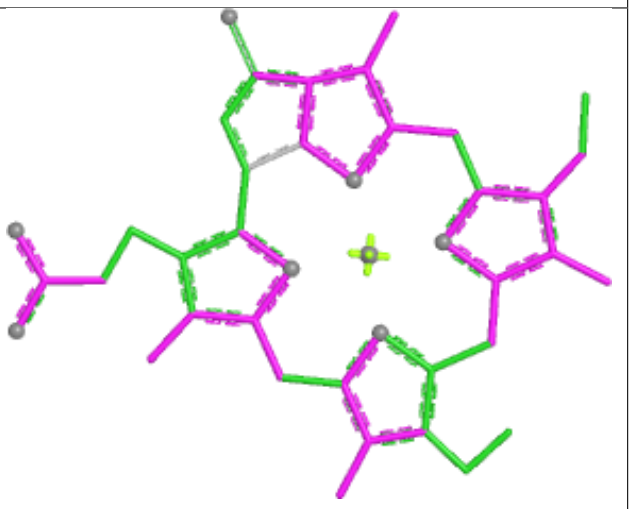


Rings

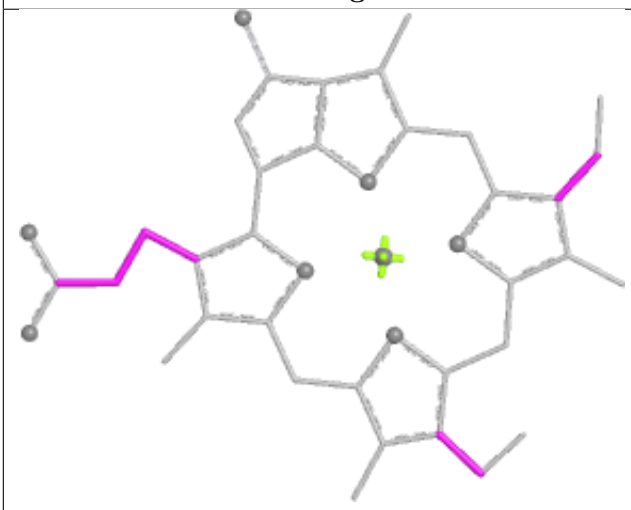
Ligand CLA T 101



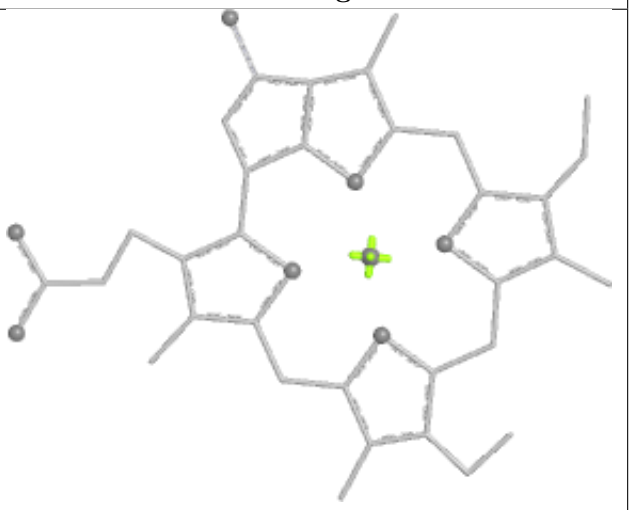
Bond lengths



Bond angles

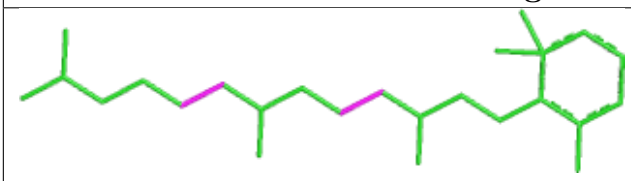


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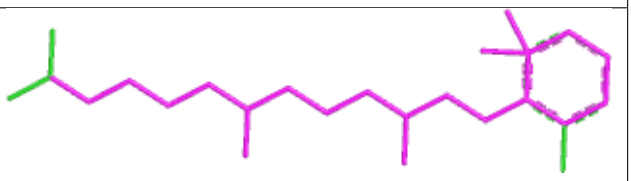


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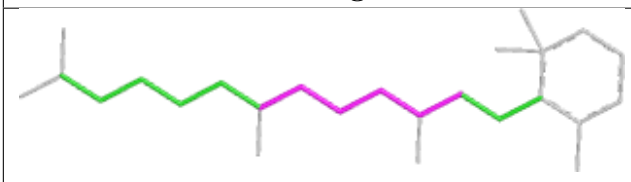
Ligand BCR Z 844



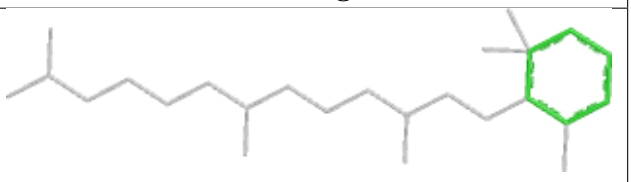
Bond lengths



Bond angles

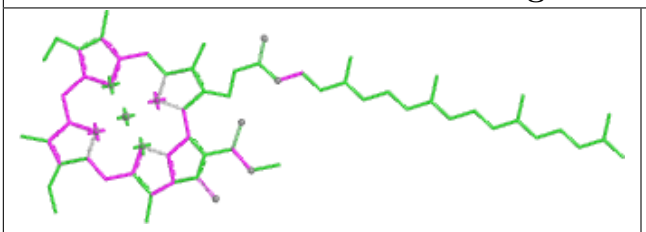


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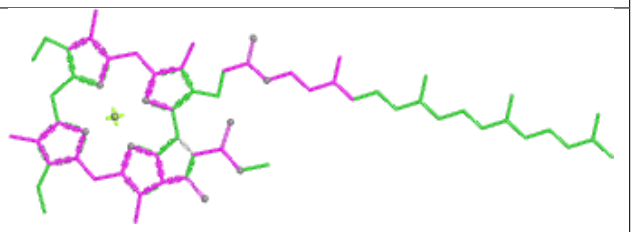


Rings

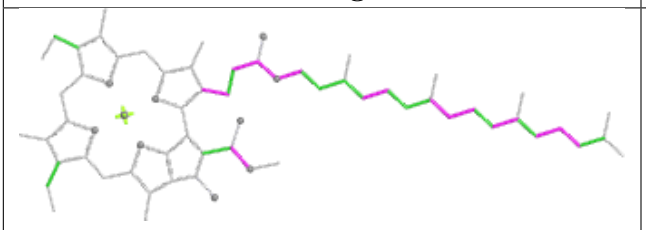
Ligand CLA h 207



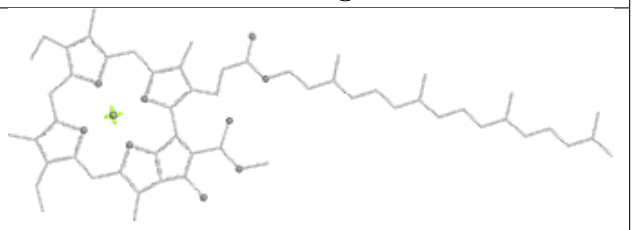
Bond lengths



Bond angles

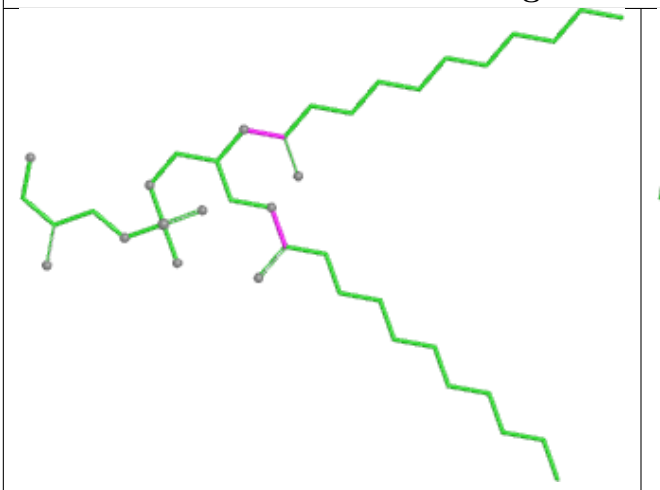


Torsions

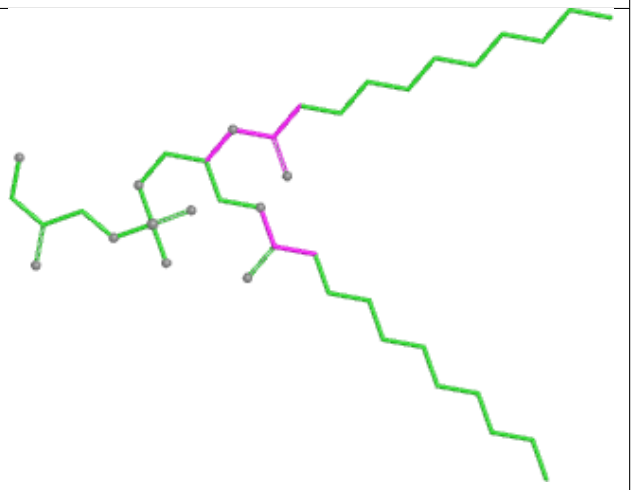


Rings

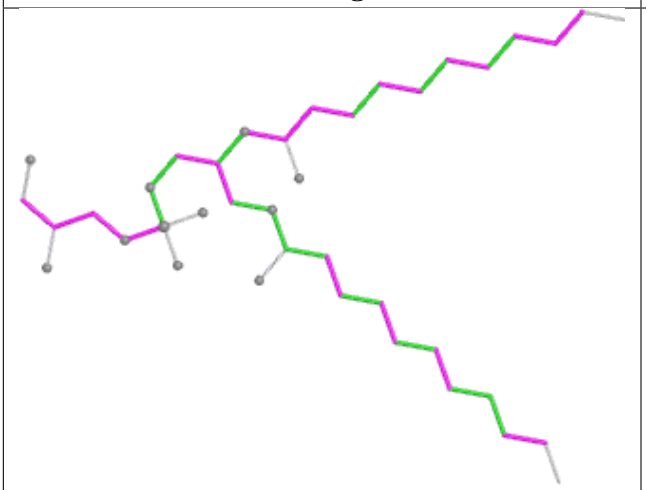
Ligand LHG B 850



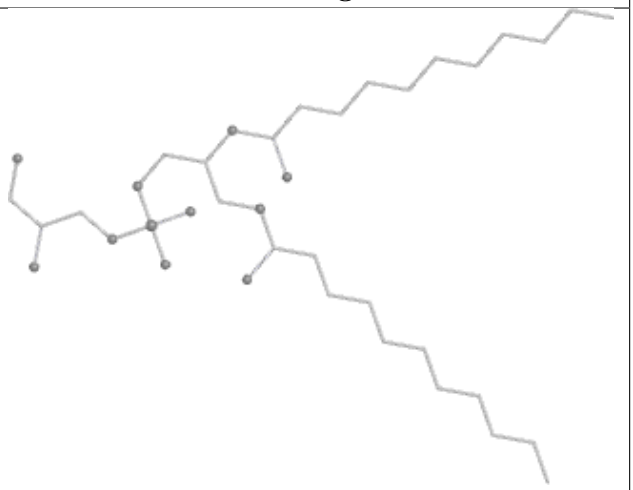
Bond lengths



Bond angles

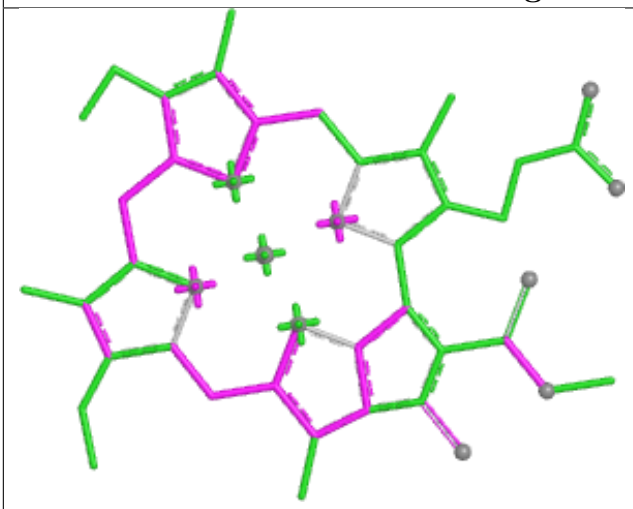


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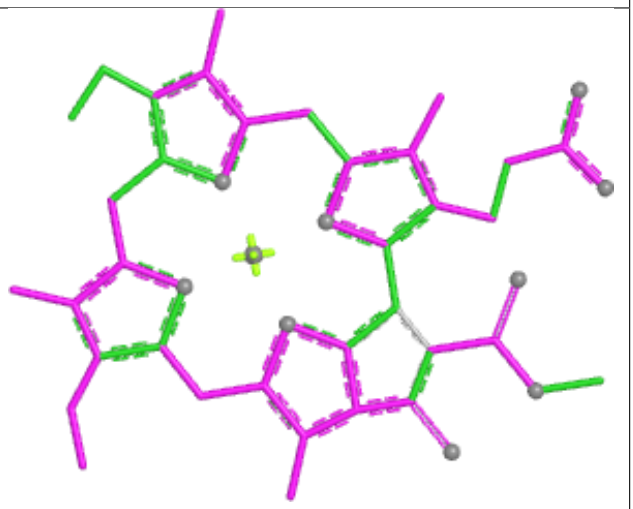


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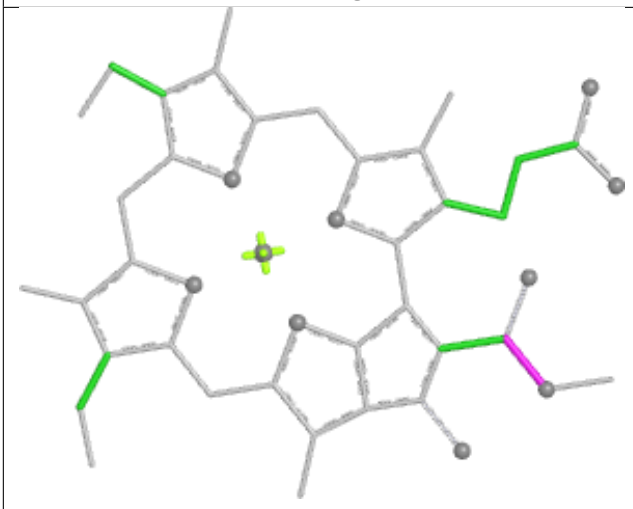
Ligand CLA B 815



Bond lengths



Bond angles

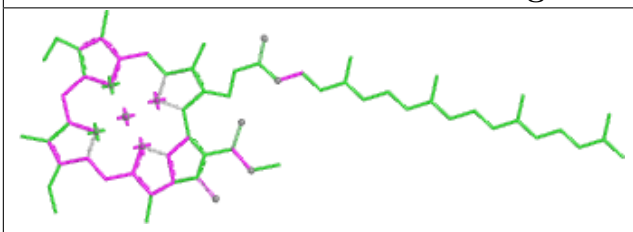


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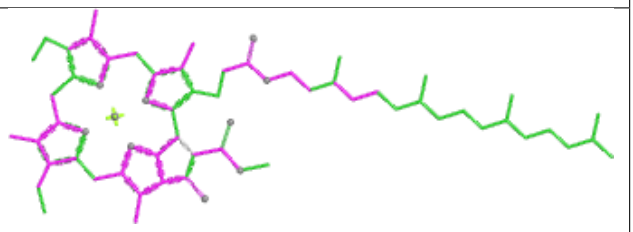


Rings

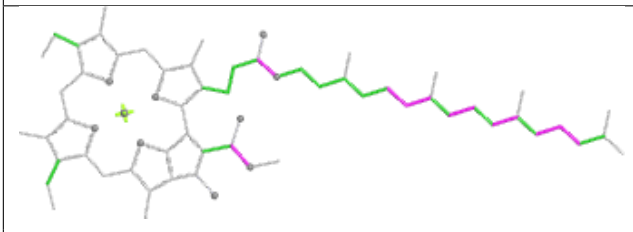
Ligand CLA h 201



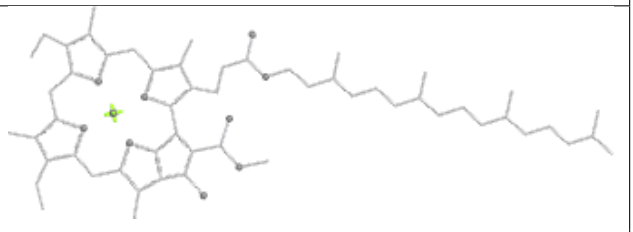
Bond lengths



Bond angles

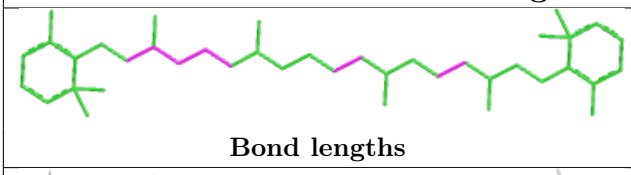


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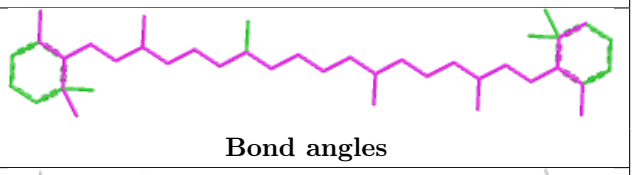


Rings

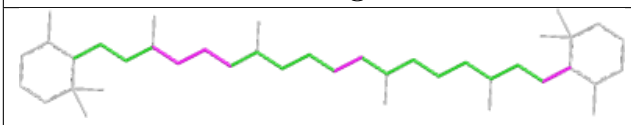
Ligand BCR f 105



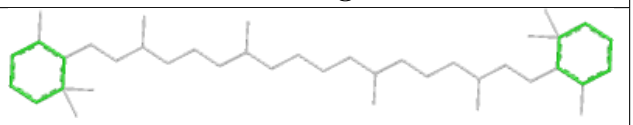
Bond lengths



Bond angles

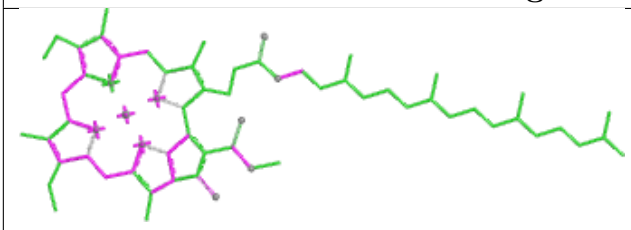


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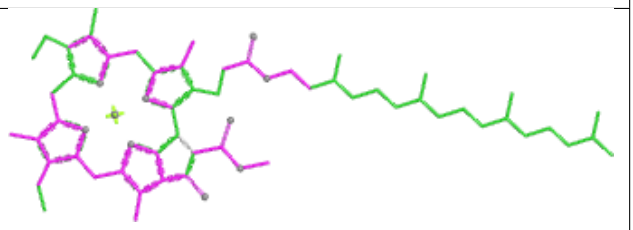


Rings

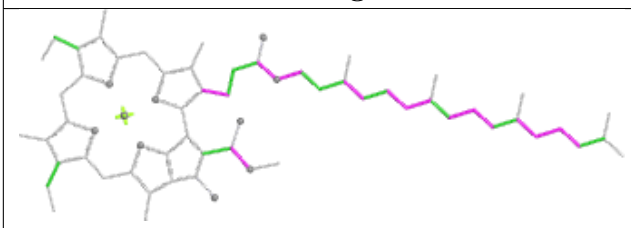
Ligand CLA Z 811



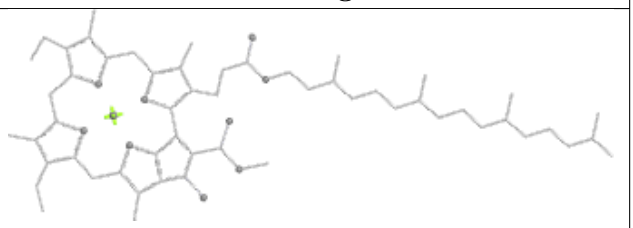
Bond lengths



Bond angles

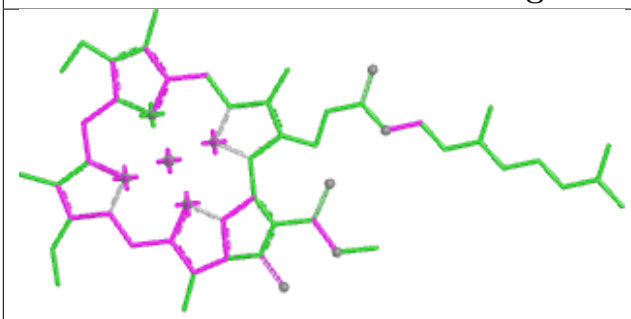


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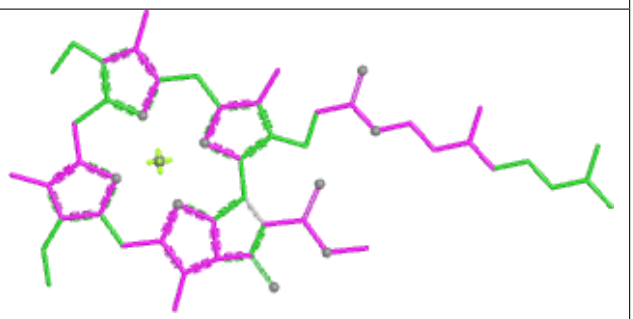


Rings

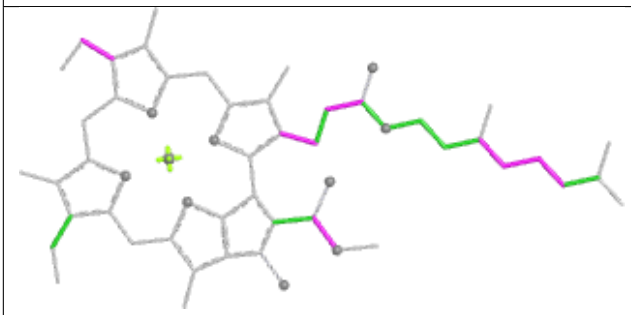
Ligand CLA Z 809



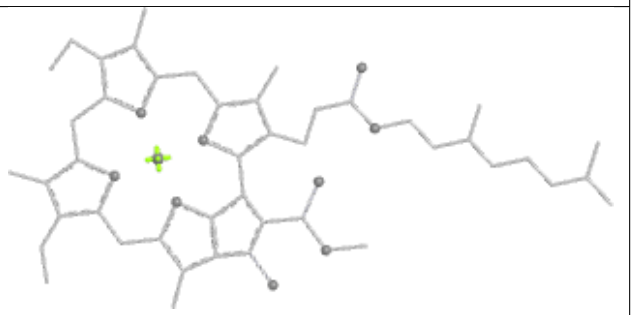
Bond lengths



Bond angles

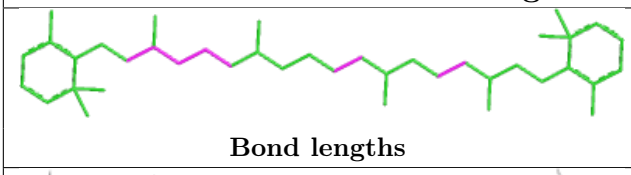


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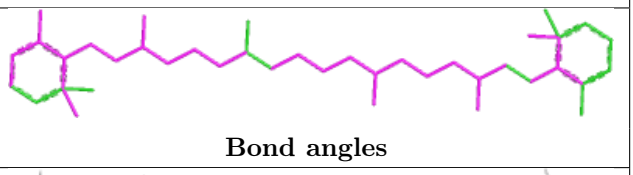


Rings

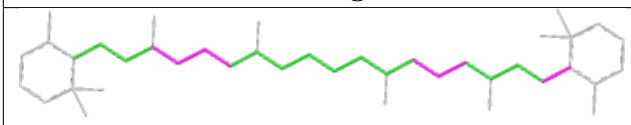
Ligand BCR B 844



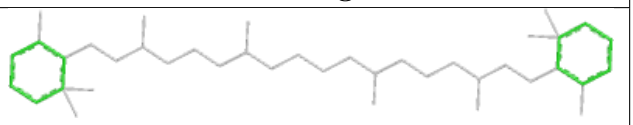
Bond lengths



Bond angles

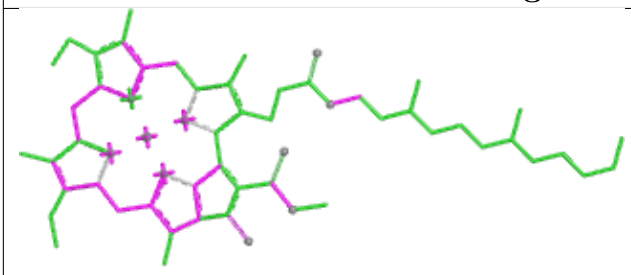


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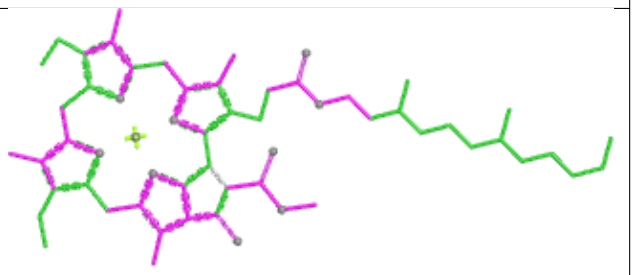


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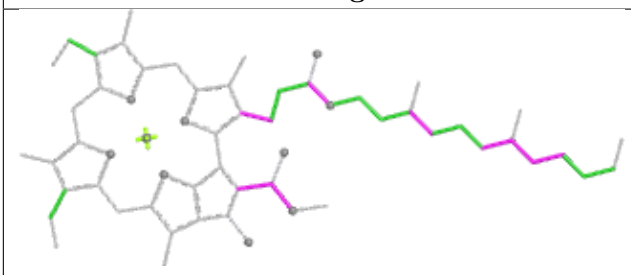
Ligand CLA Y 804



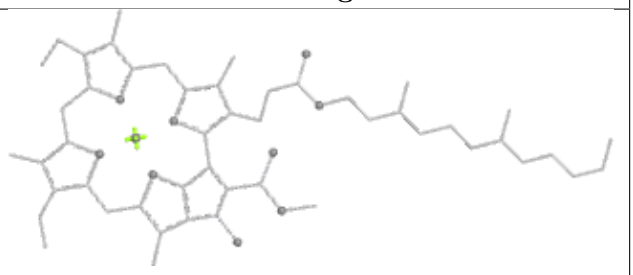
Bond lengths



Bond angles

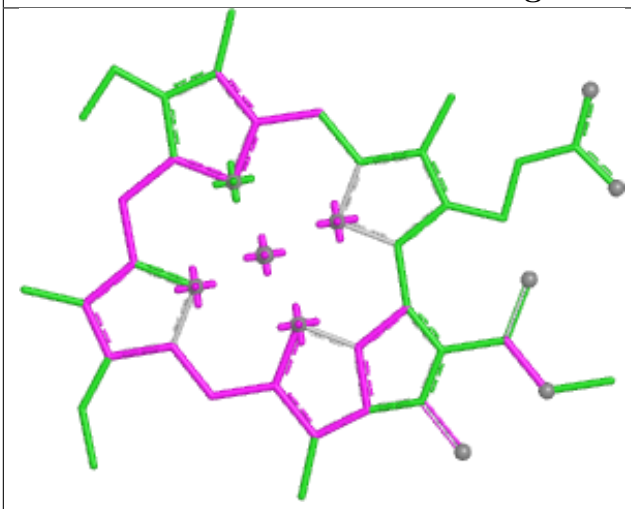


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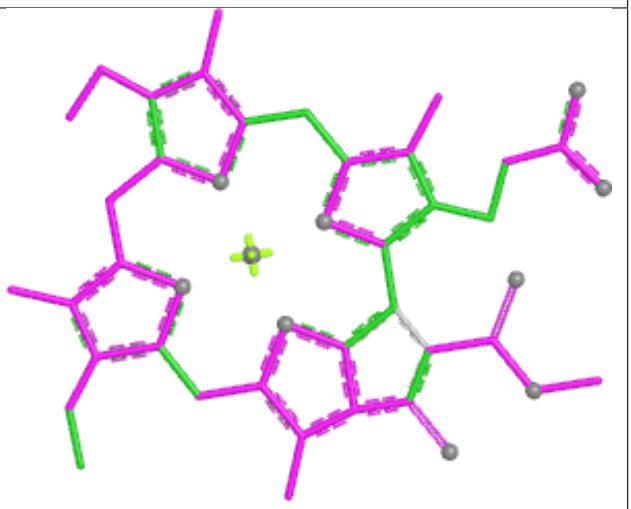


Rings

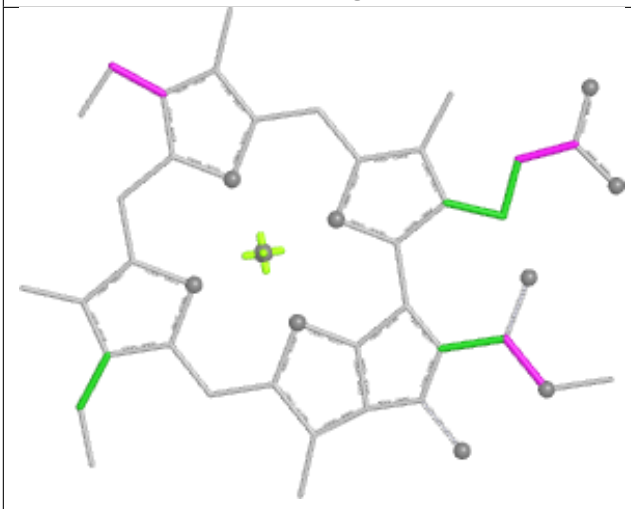
Ligand CLA B 836



Bond lengths



Bond angles

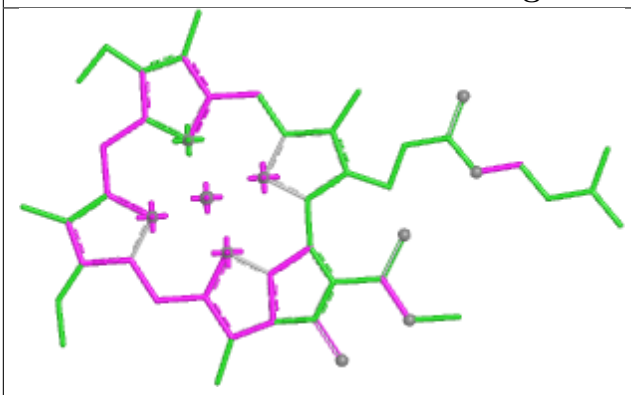


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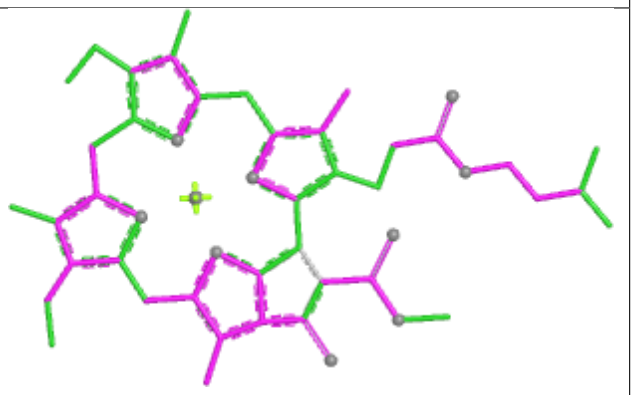


Rings

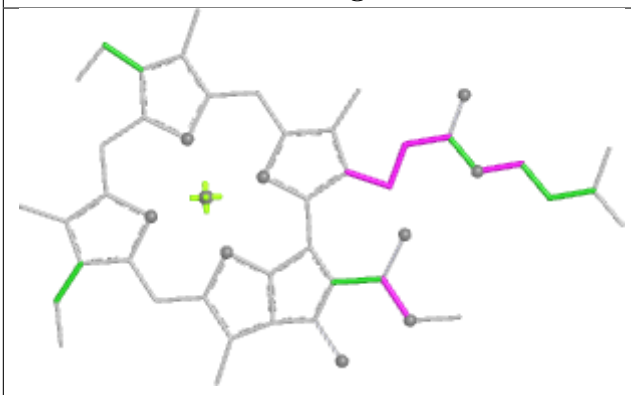
Ligand CLA G 836



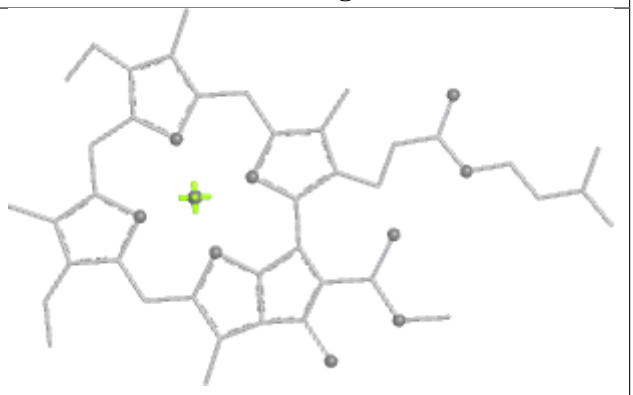
Bond lengths



Bond angles

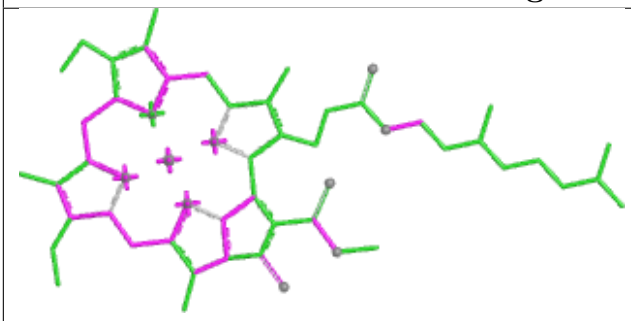


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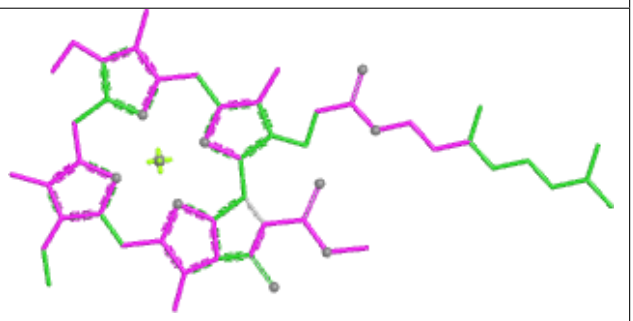


Rings

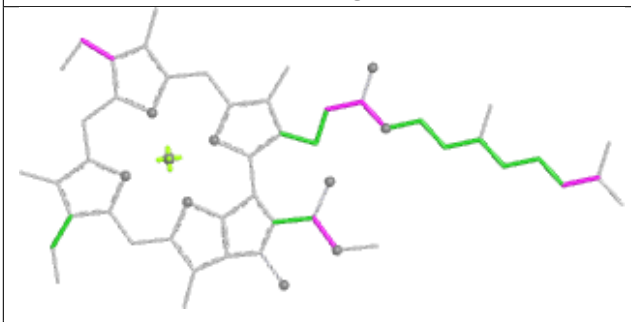
Ligand CLA Z 820



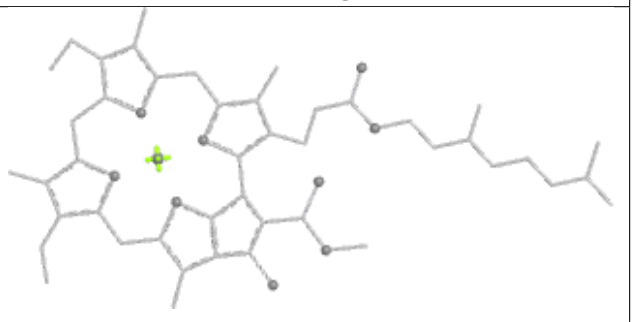
Bond lengths



Bond angles

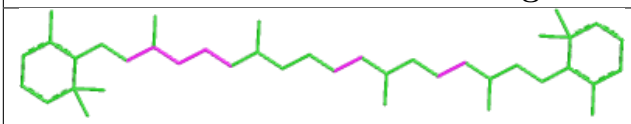


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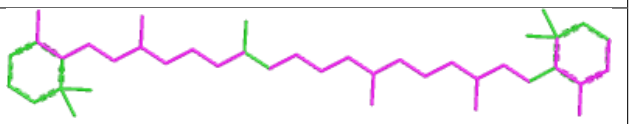


Rings

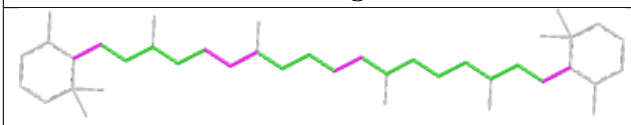
Ligand BCR A 848



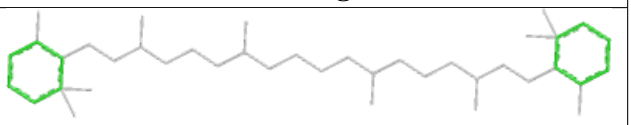
Bond lengths



Bond angles

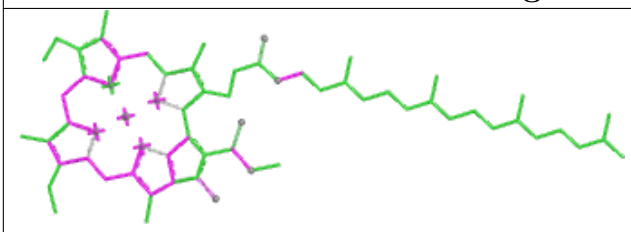


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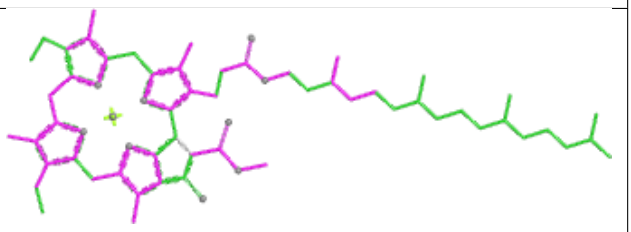


Rings

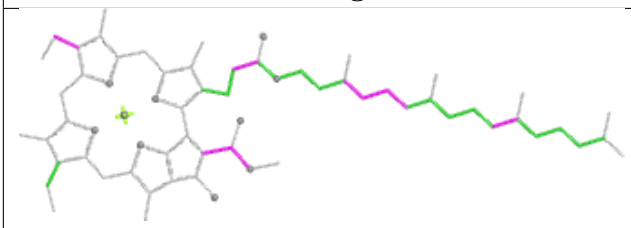
Ligand CLA H 807



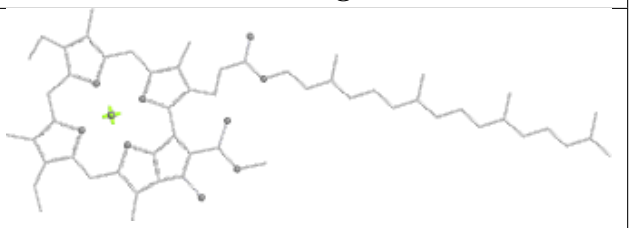
Bond lengths



Bond angles

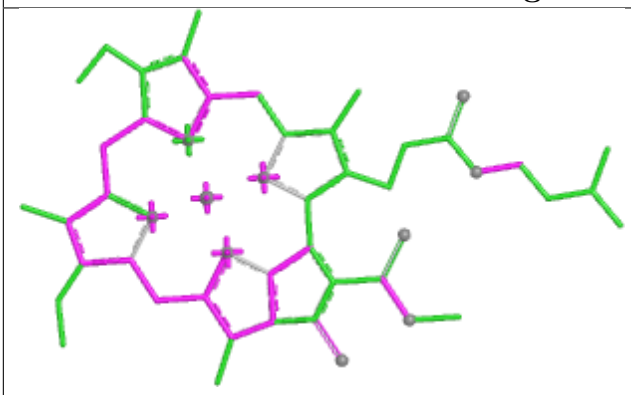


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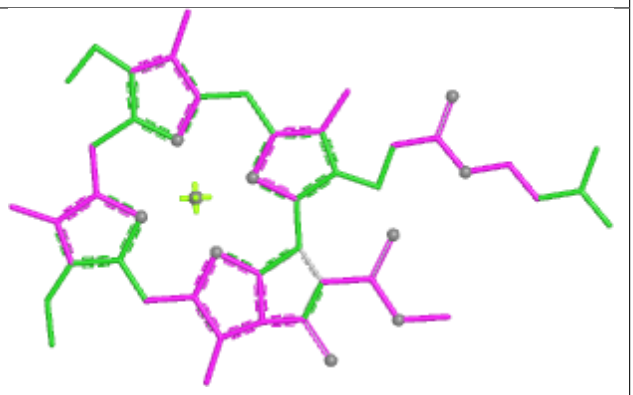


Rings

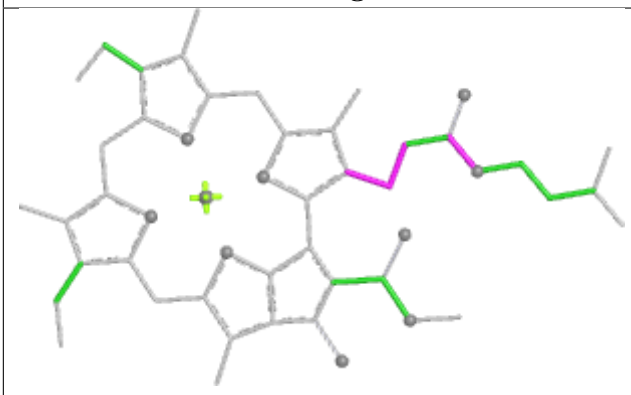
Ligand CLA Y 837



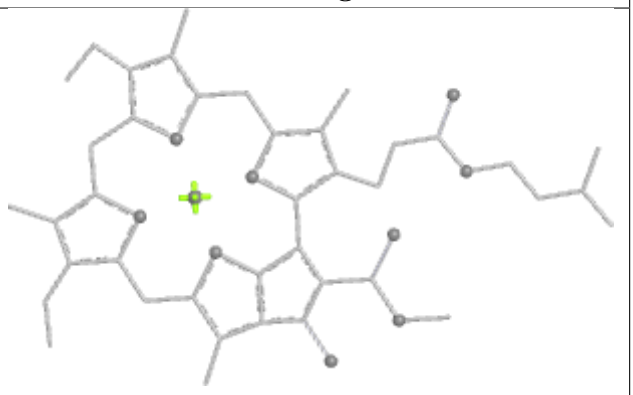
Bond lengths



Bond angles

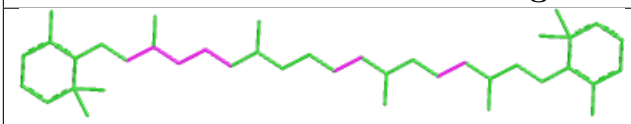


Torsions

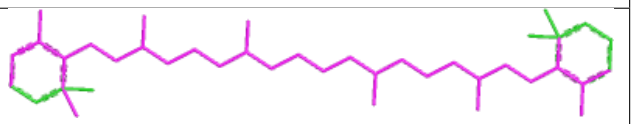


Rings

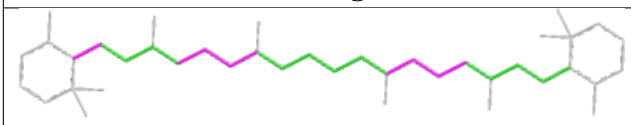
Ligand BCR f 103



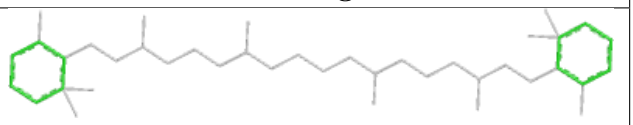
Bond lengths



Bond angles

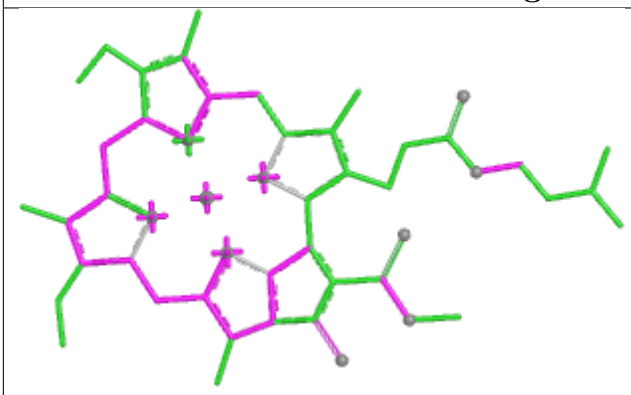


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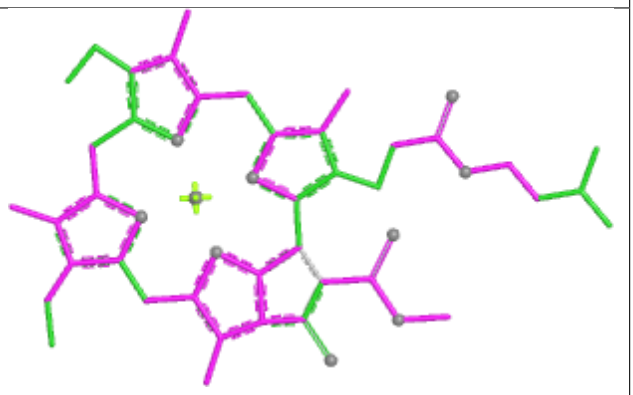


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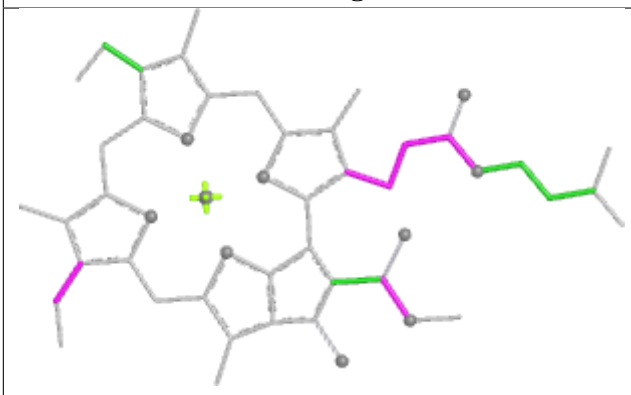
Ligand CLA Y 843



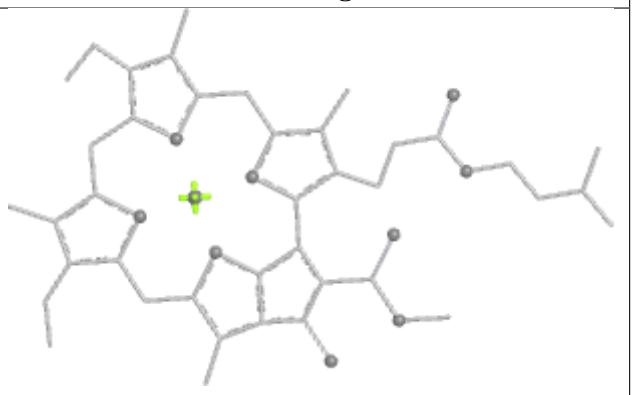
Bond lengths



Bond angles

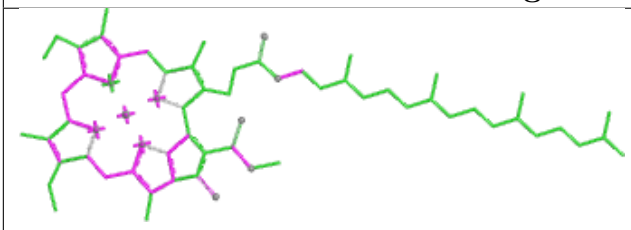


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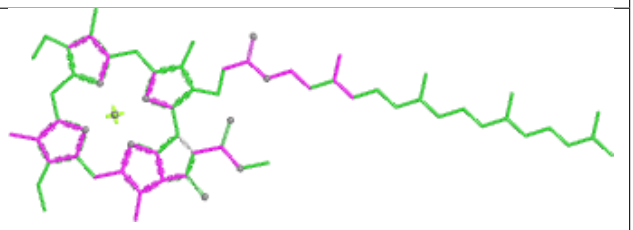


Rings

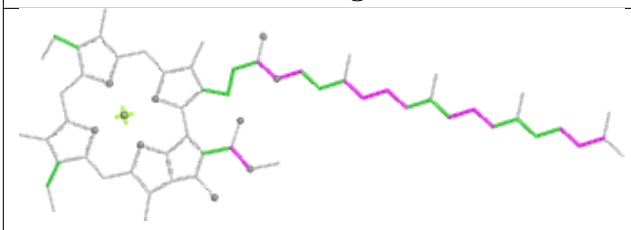
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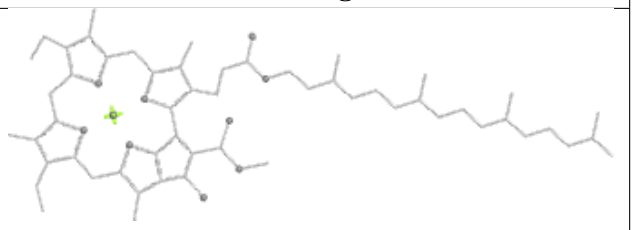
Bond lengths



Bond angles

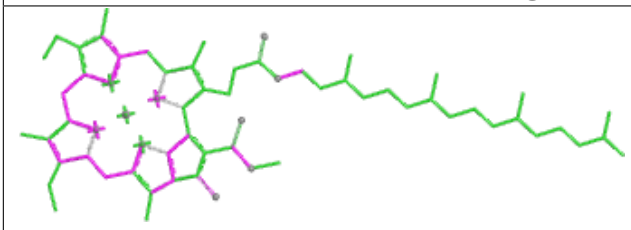


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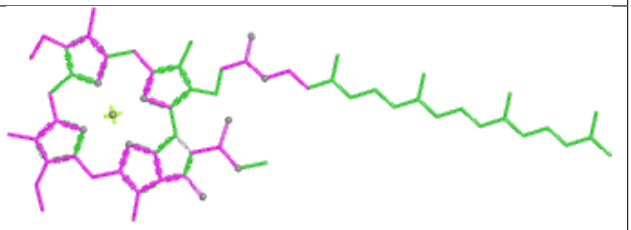


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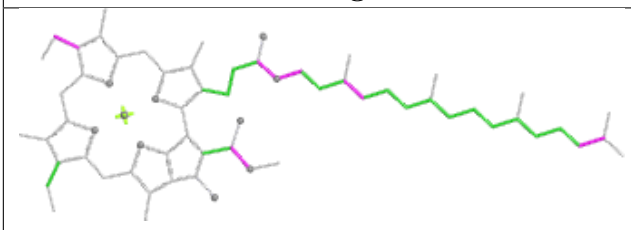
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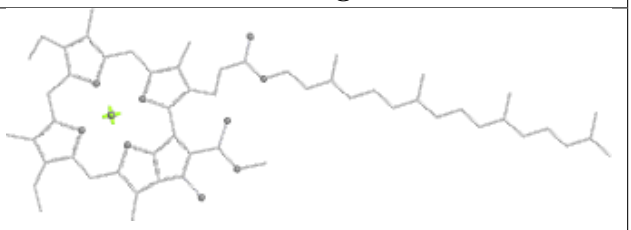
Bond lengths



Bond angles

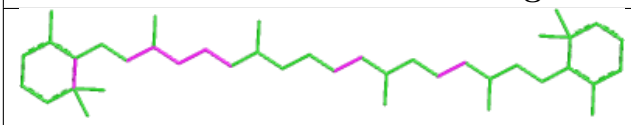


Torsions



Rings

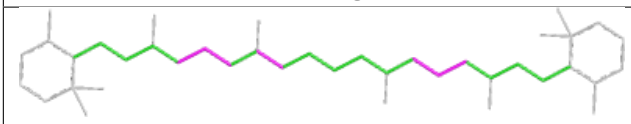
Ligand BCR F 203



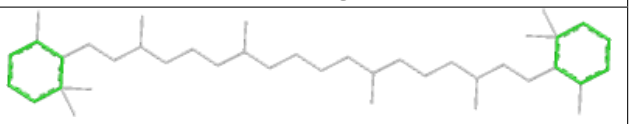
Bond lengths



Bond angles

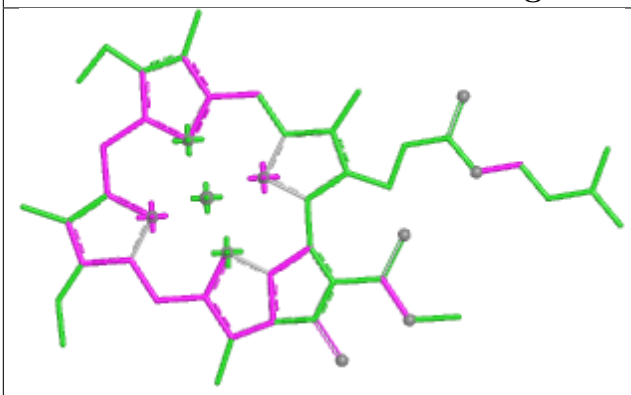


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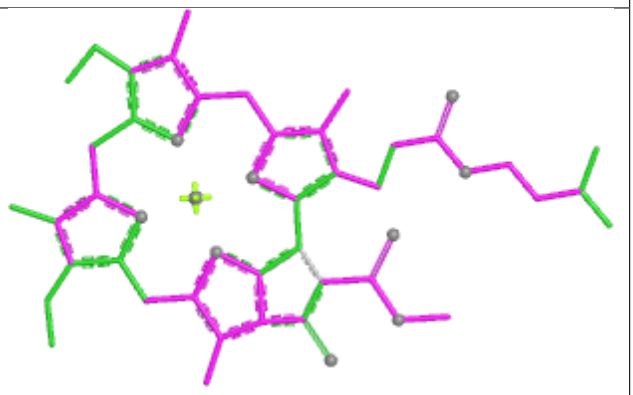


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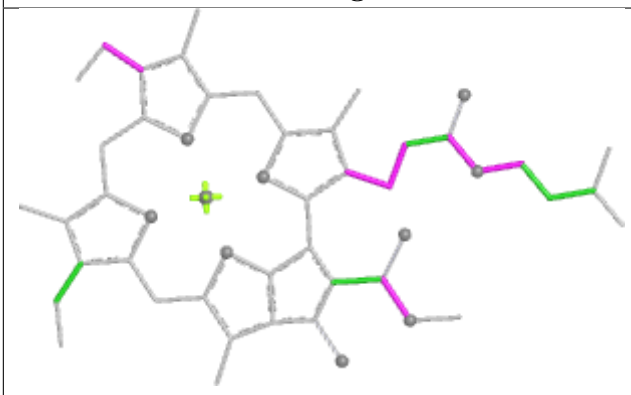
Ligand CLA B 812



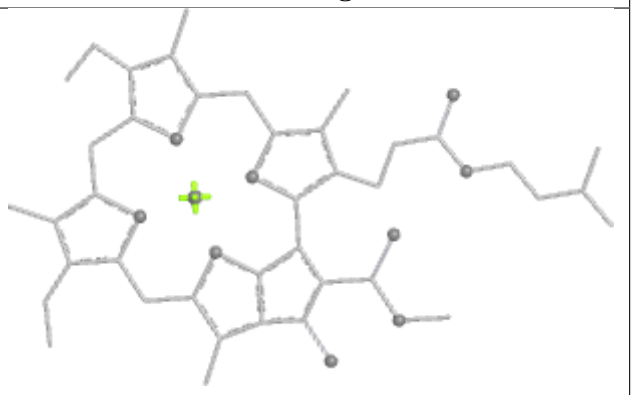
Bond lengths



Bond angles

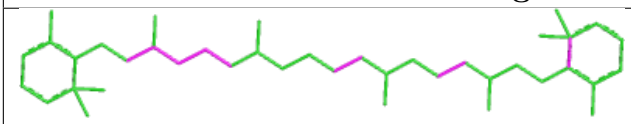


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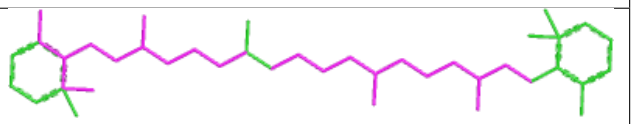


Rings

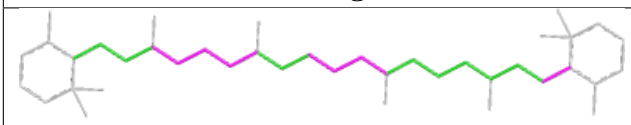
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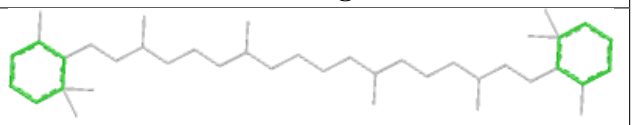
Bond lengths



Bond angles

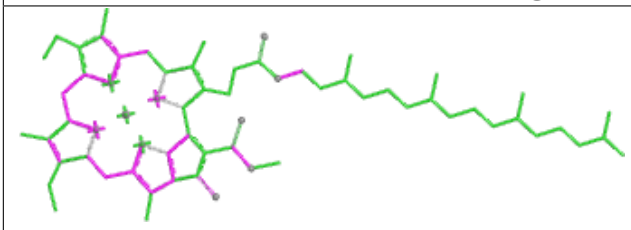


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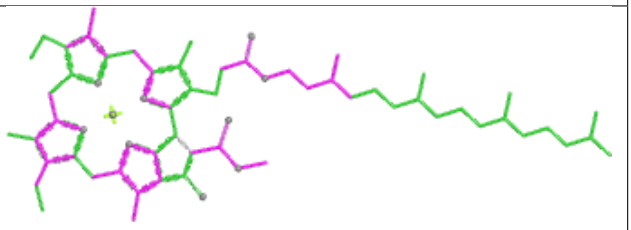


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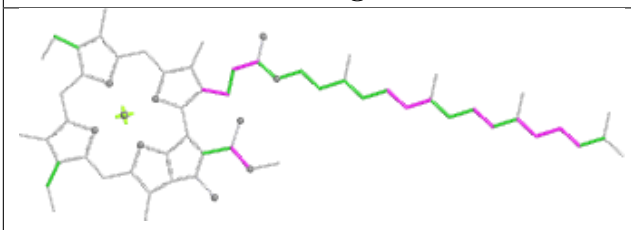
Ligand CL0 Y 801



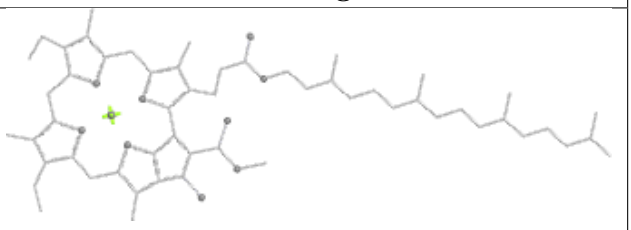
Bond lengths



Bond angles

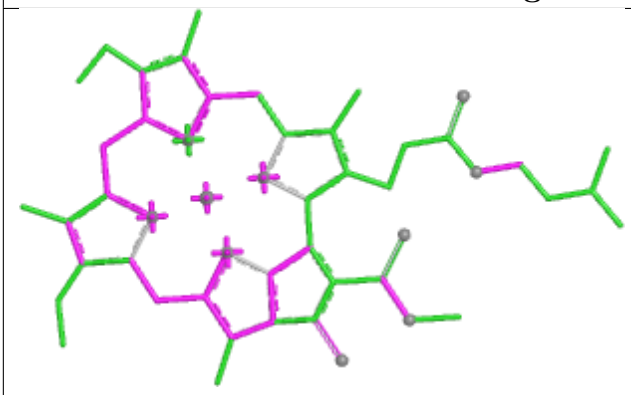


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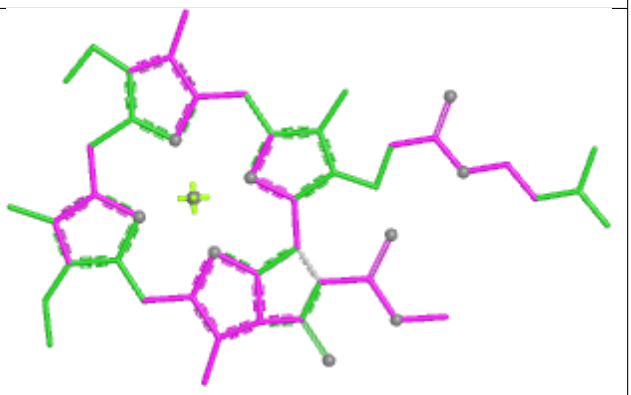


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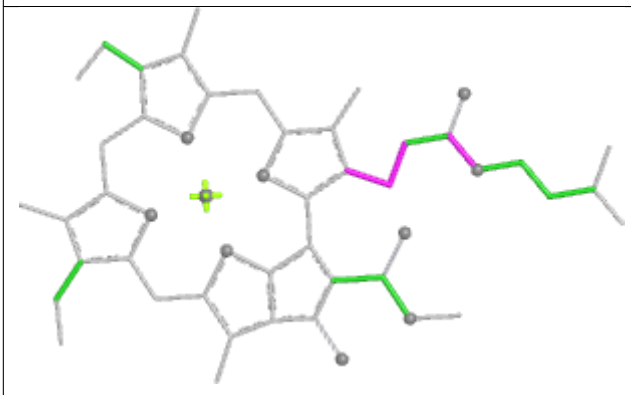
Ligand CLA A 836



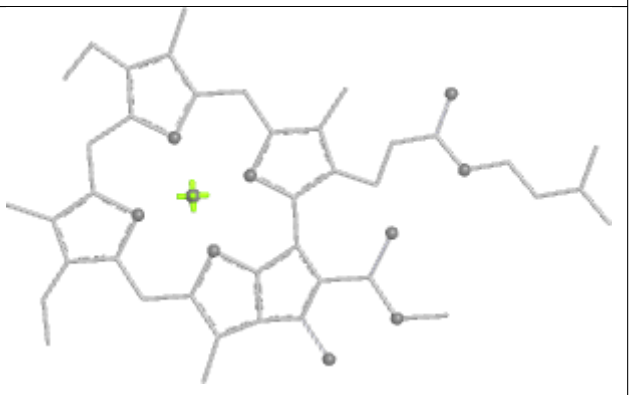
Bond lengths



Bond angles

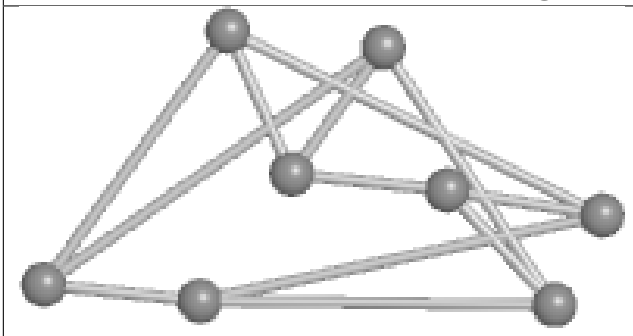


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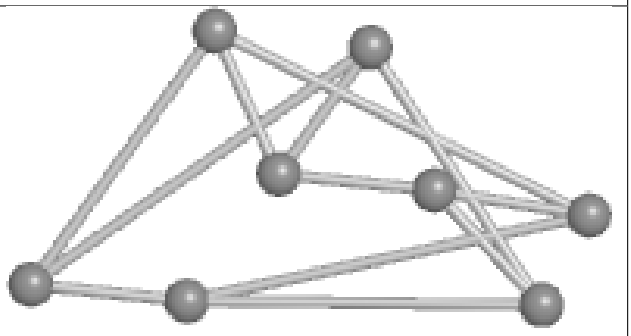


Rings

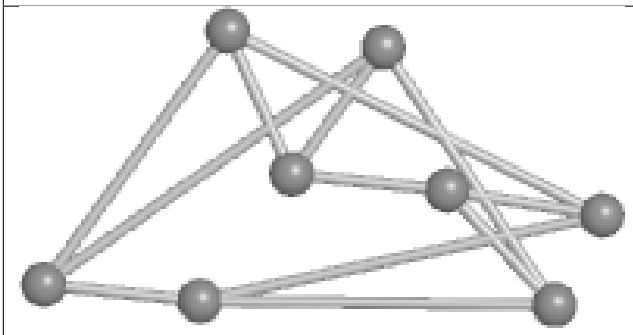
Ligand SF4 a 102



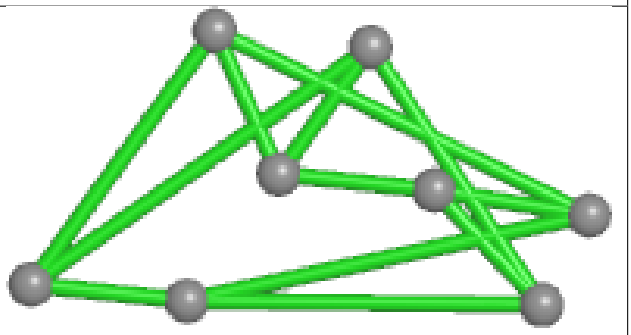
Bond lengths



Bond angles

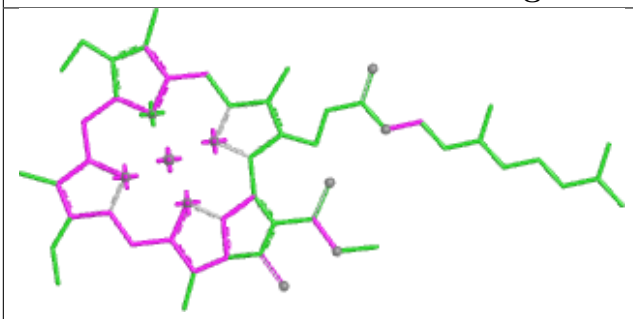


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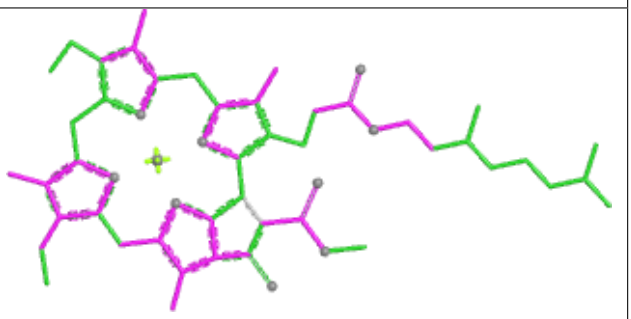


Rings

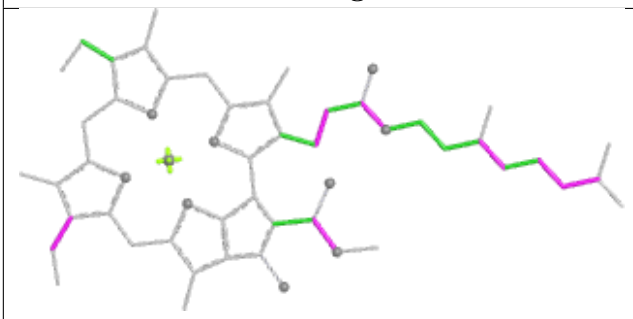
Ligand CLA Y 835



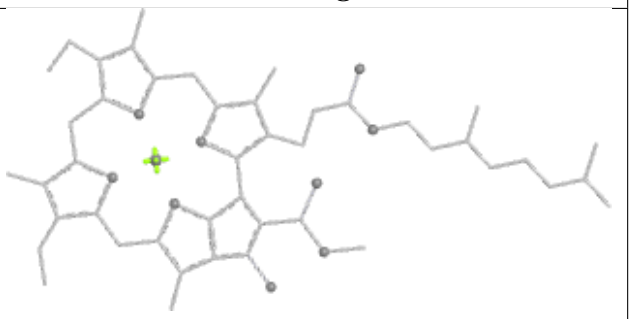
Bond lengths



Bond angles

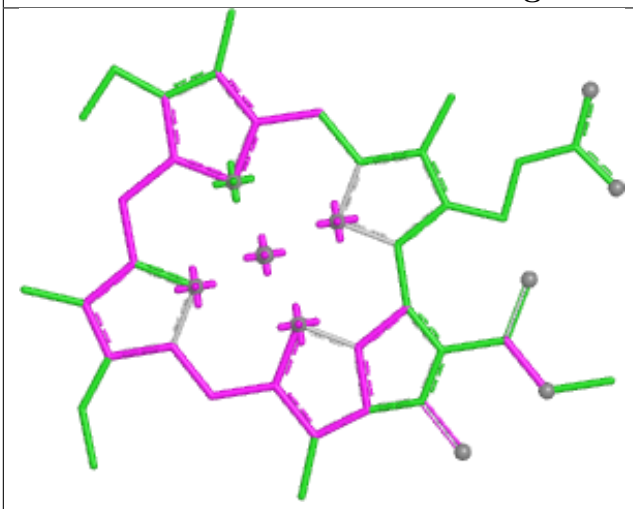


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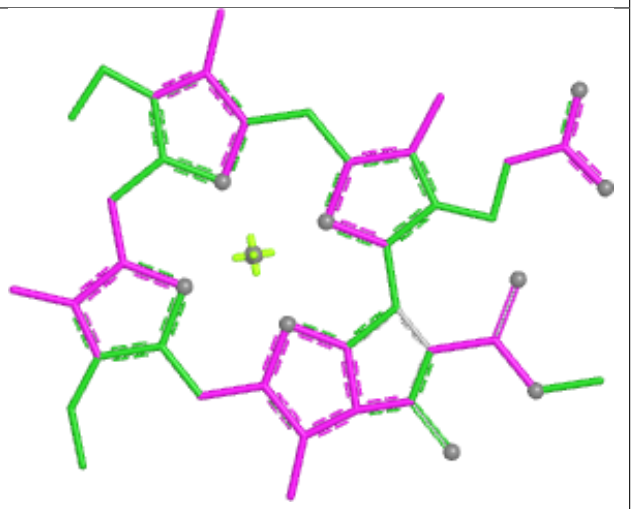


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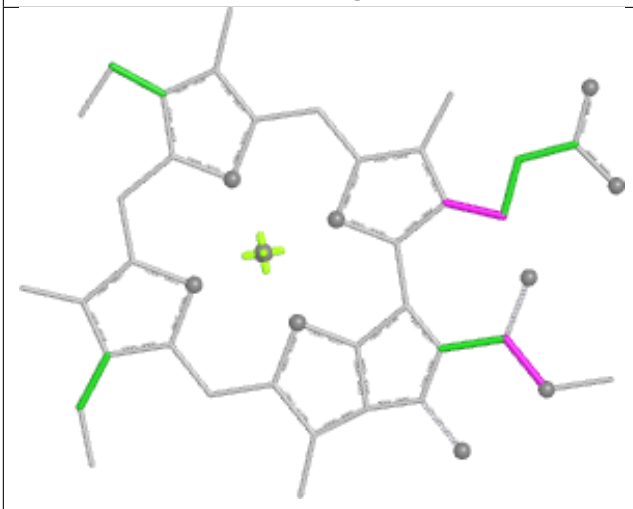
Ligand CLA Y 810



Bond lengths



Bond angles

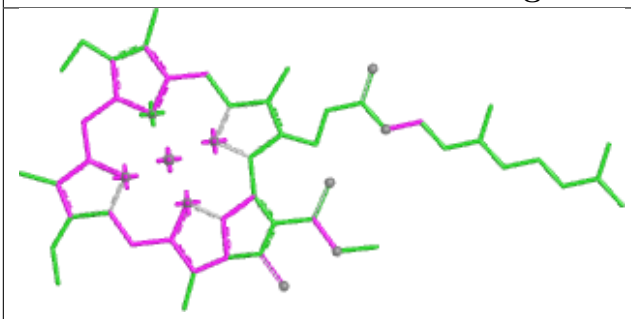


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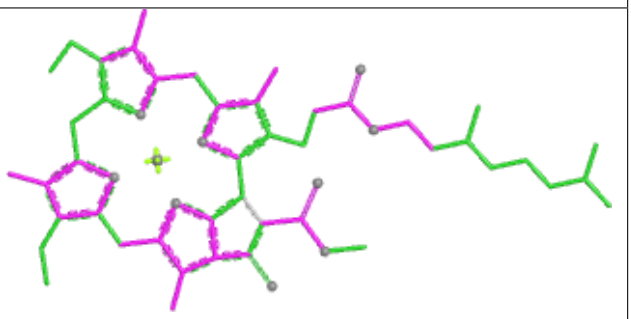


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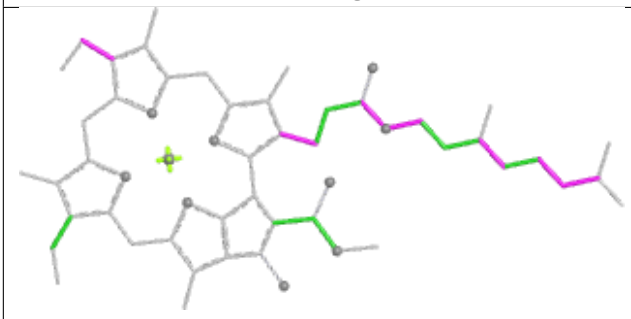
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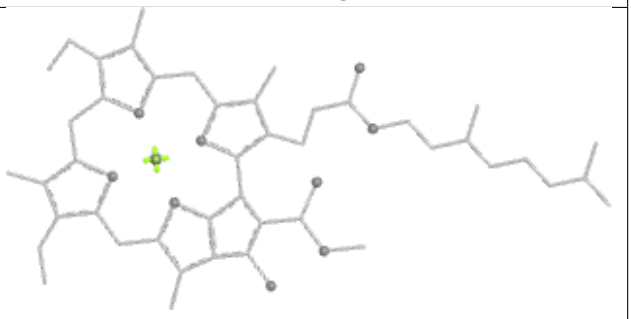
Bond lengths



Bond angles

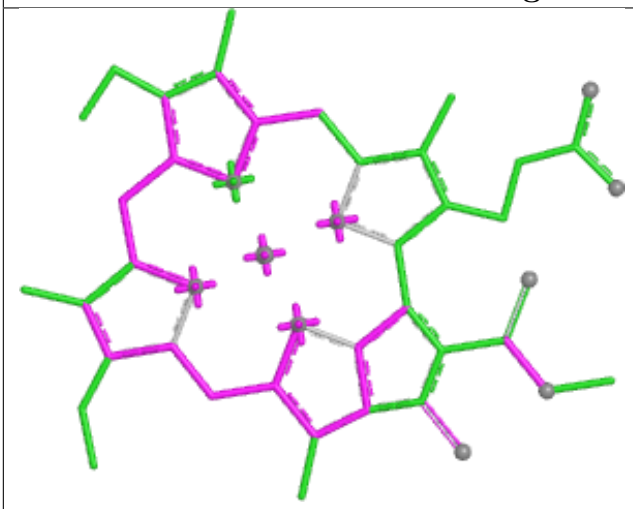


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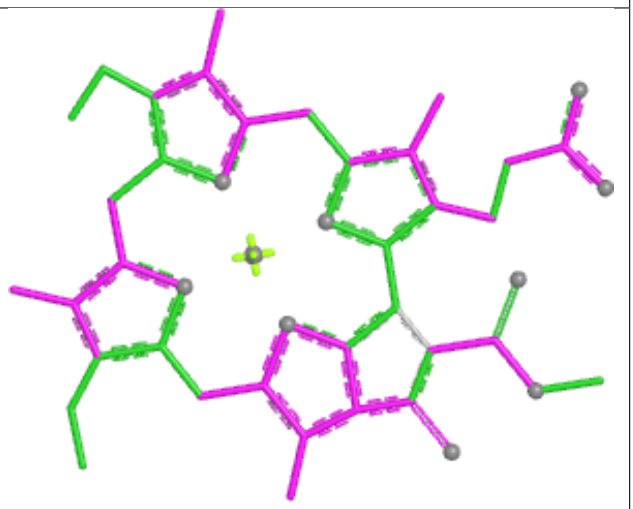


Rings

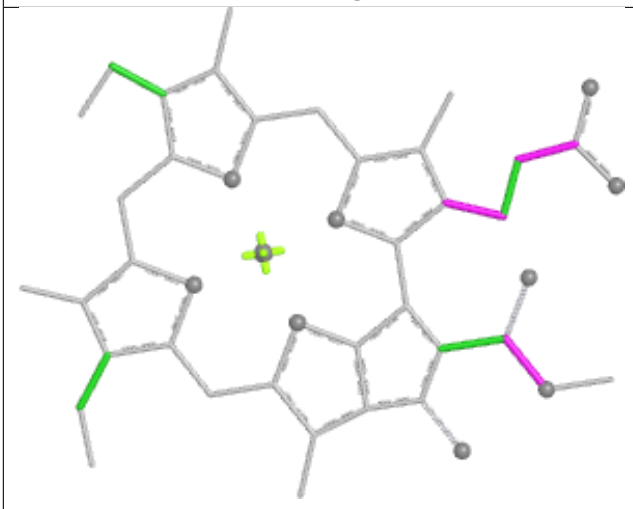
Ligand CLA G 853



Bond lengths



Bond angles

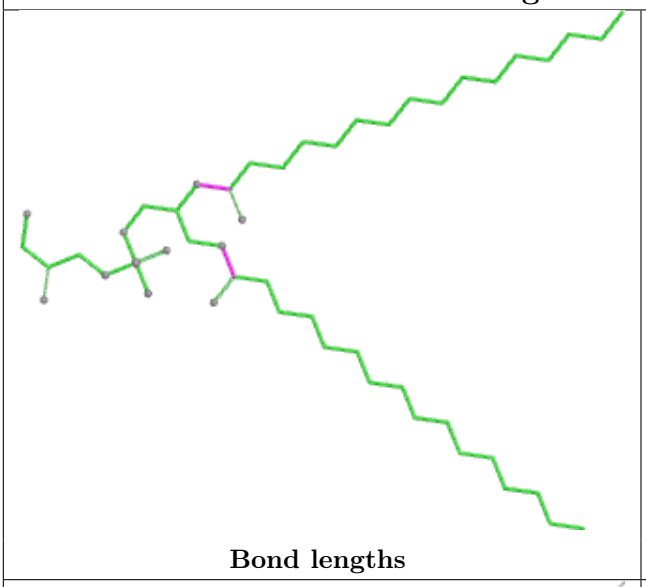


Torsions

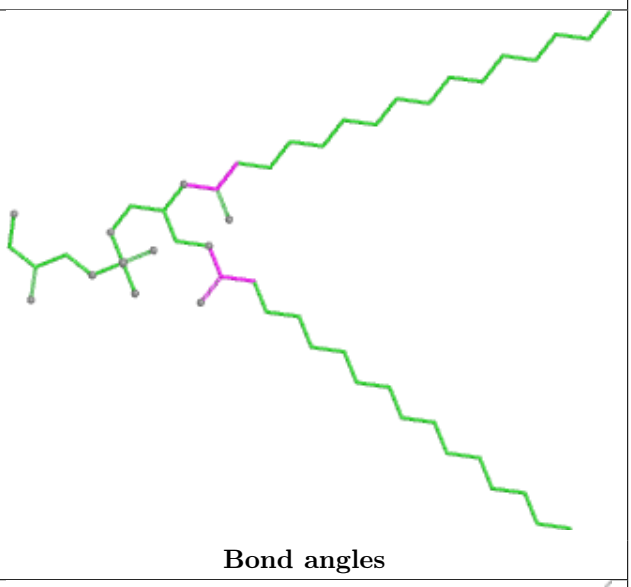


Rings

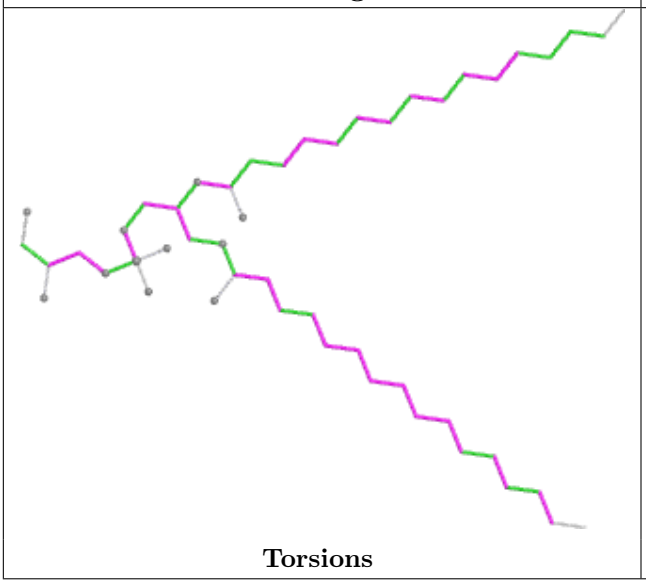
Ligand LHG A 850



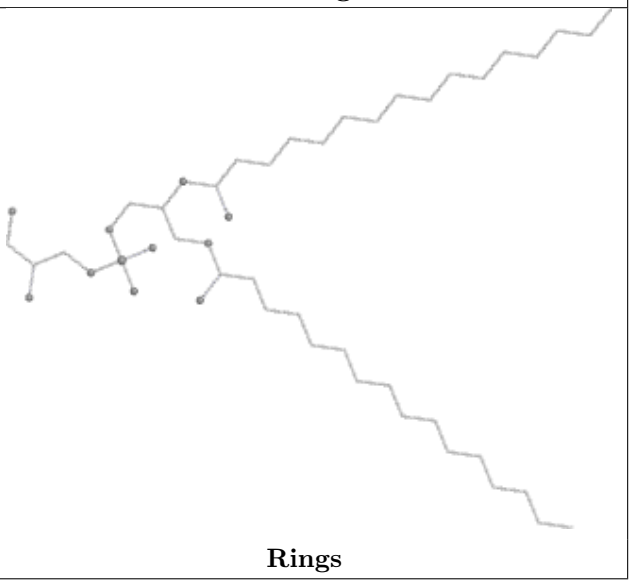
Bond lengths



Bond angles

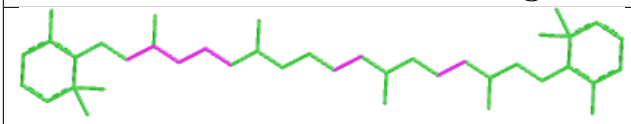


Torsions



Rings

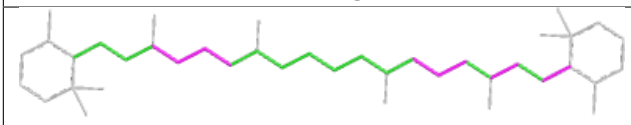
Ligand BCR T 102



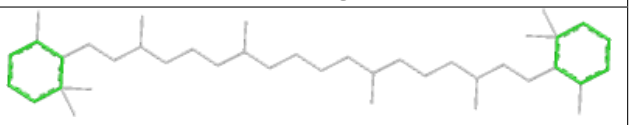
Bond lengths



Bond angles

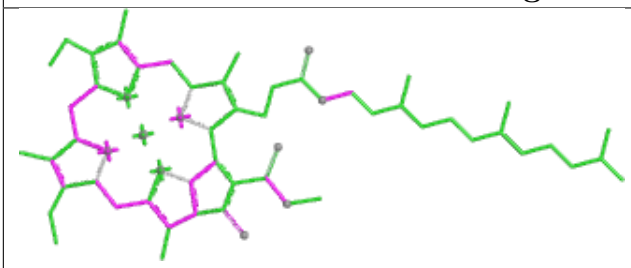


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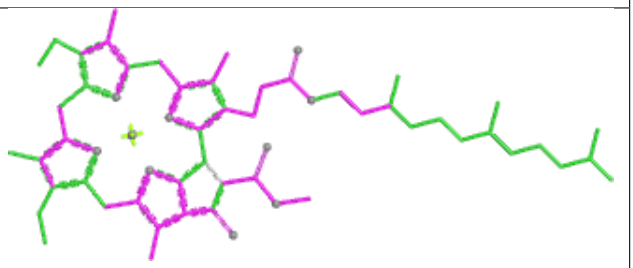


Rings

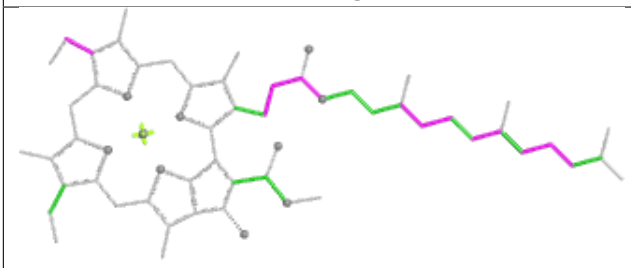
Ligand CLA H 822



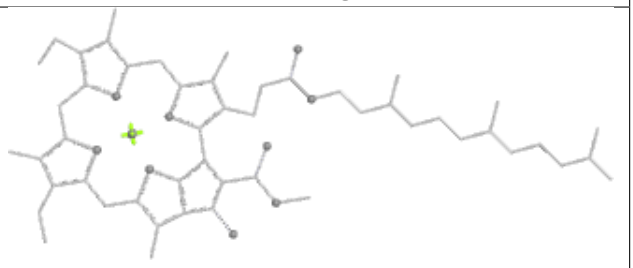
Bond lengths



Bond angles

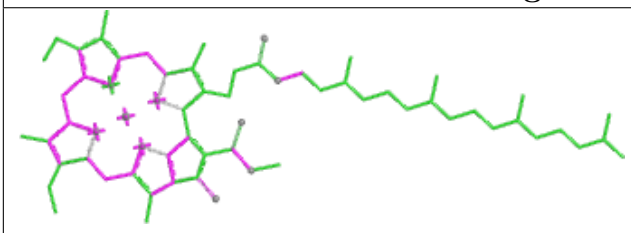


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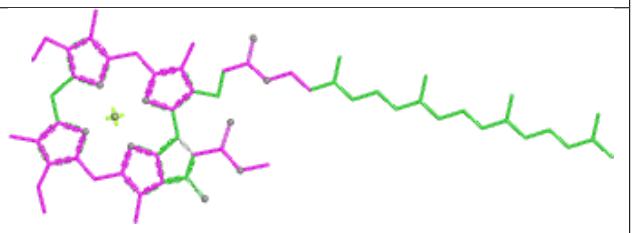


Rings

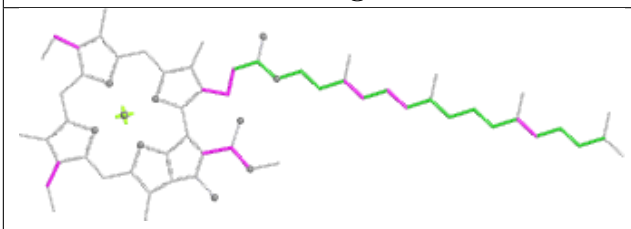
Ligand CLA Y 834



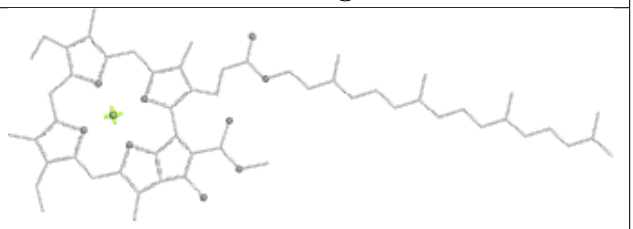
Bond lengths



Bond angles

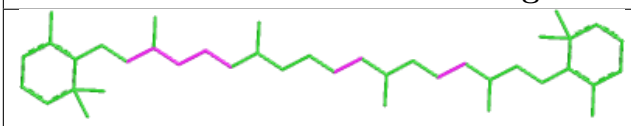


Torsions



Rings

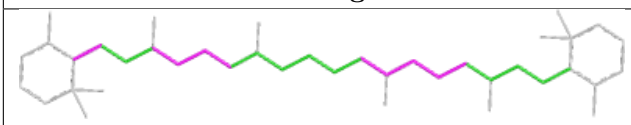
Ligand BCR Q 202



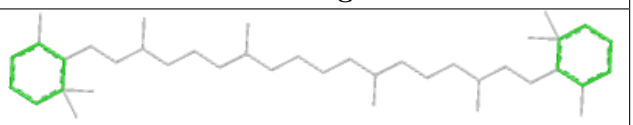
Bond lengths



Bond angles

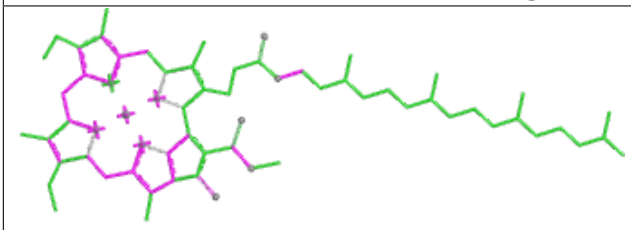


Torsions

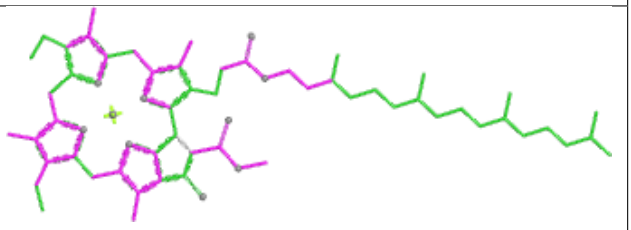


Rings

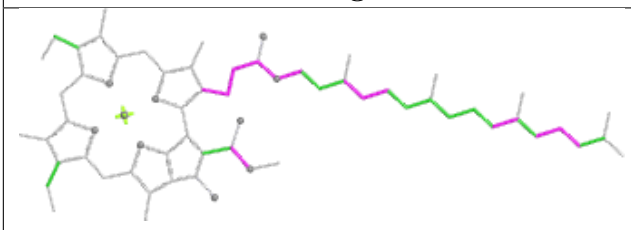
Ligand CLA G 818



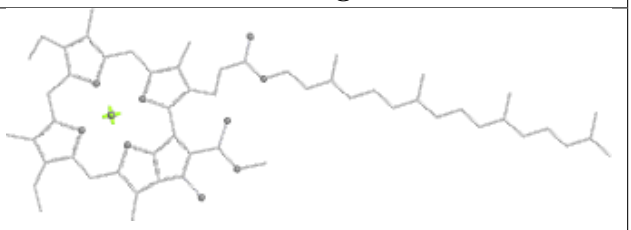
Bond lengths



Bond angles

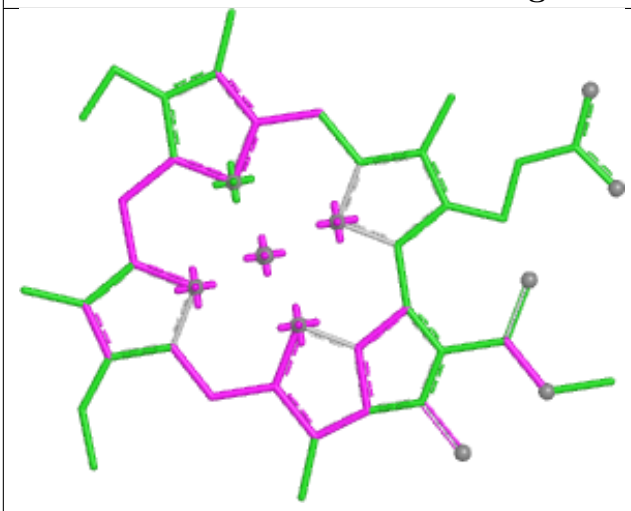


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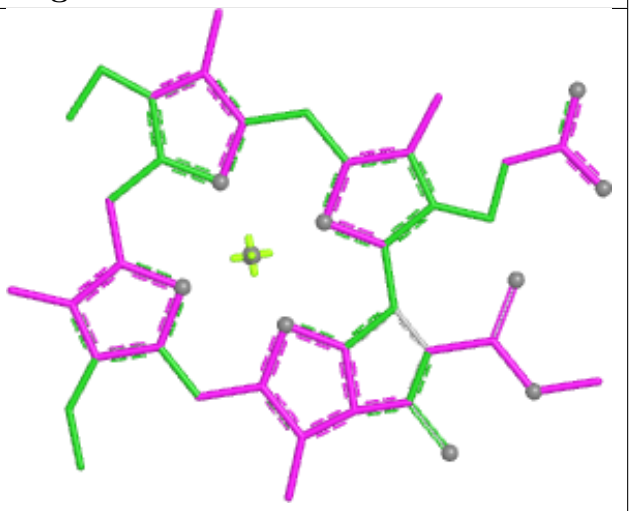


Rings

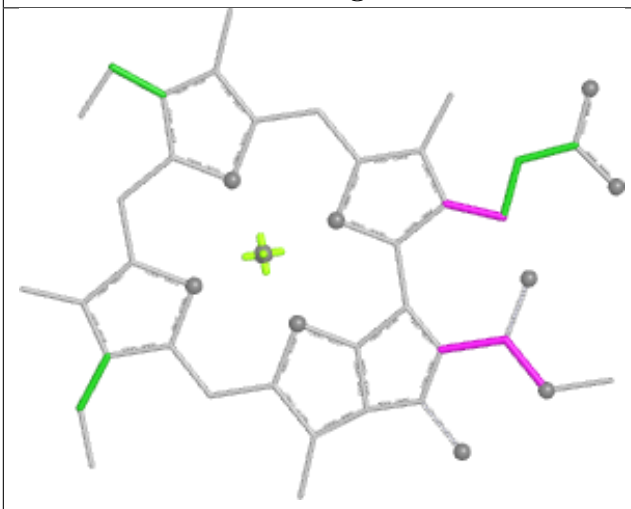
Ligand CLA g 102



Bond lengths



Bond angles

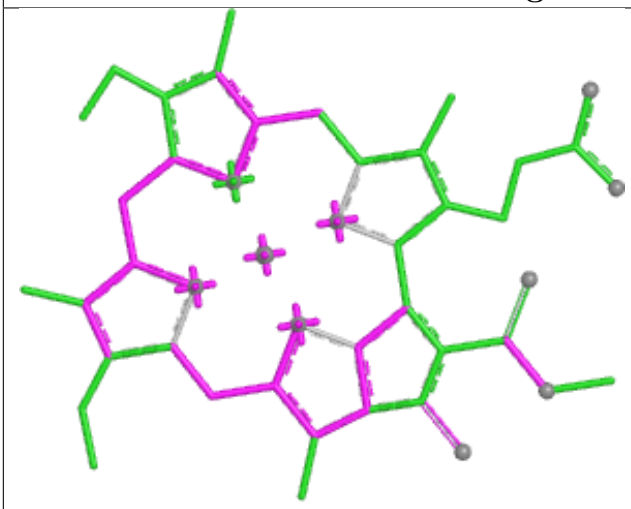


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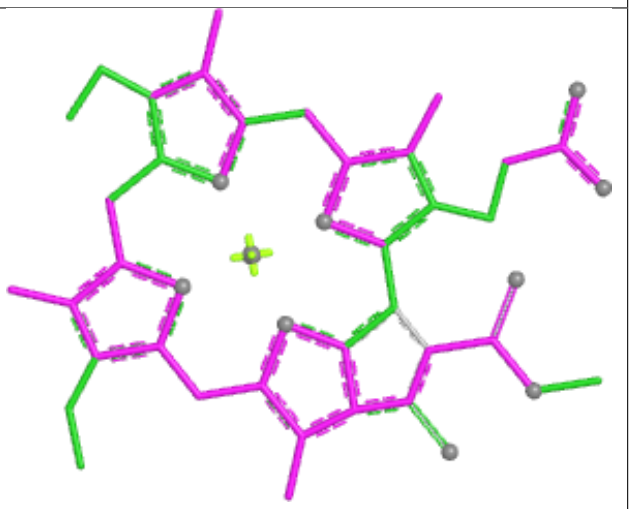


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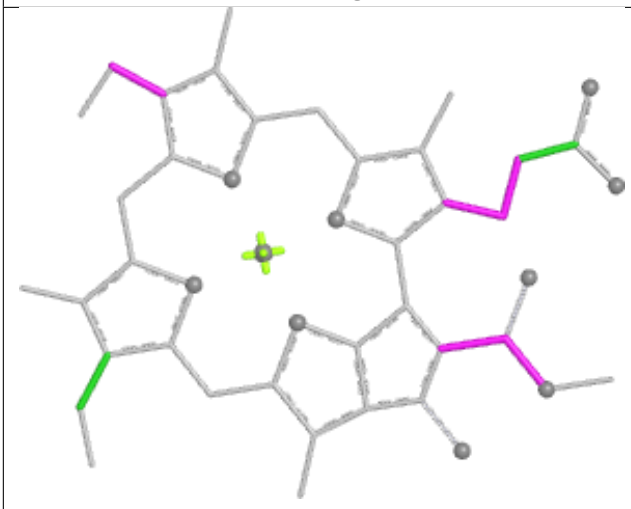
Ligand CLA Z 828



Bond lengths



Bond angles

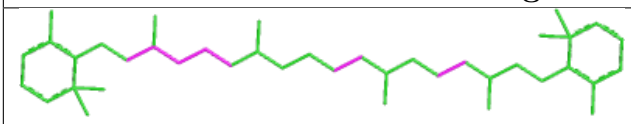


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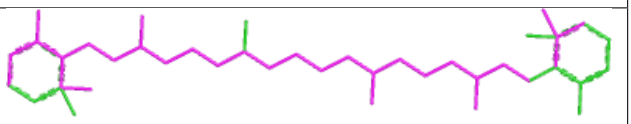


Rings

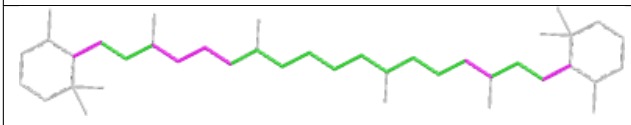
Ligand BCR B 845



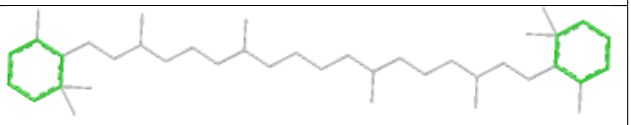
Bond lengths



Bond angles

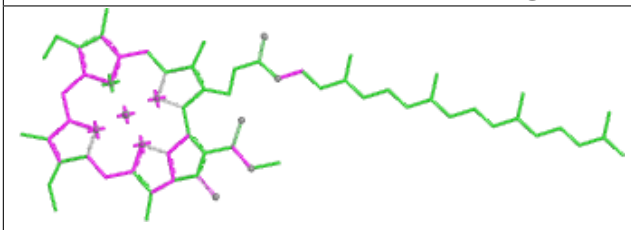


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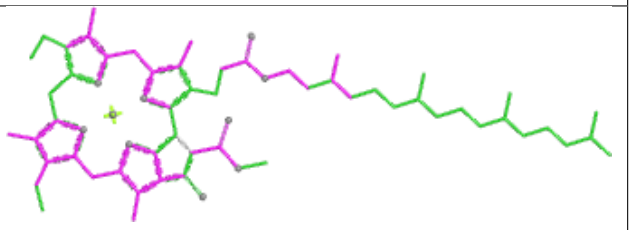


Rings

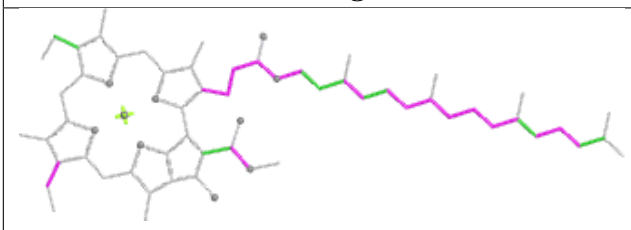
Ligand CLA A 818



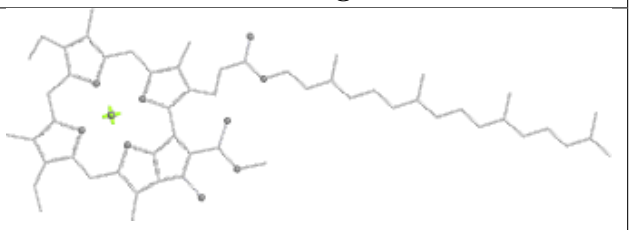
Bond lengths



Bond angles

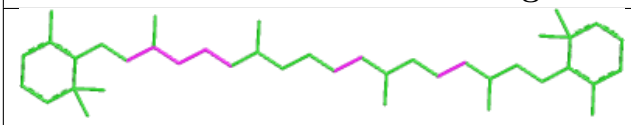


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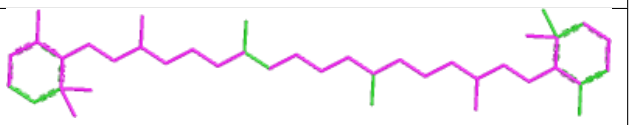


Rings

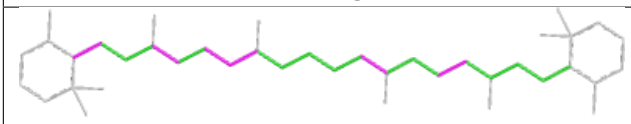
Ligand BCR A 849



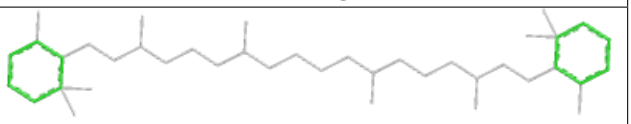
Bond lengths



Bond angles

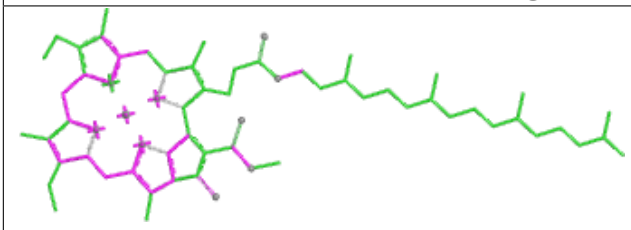


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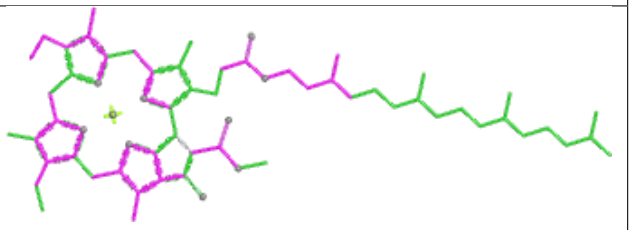


Rings

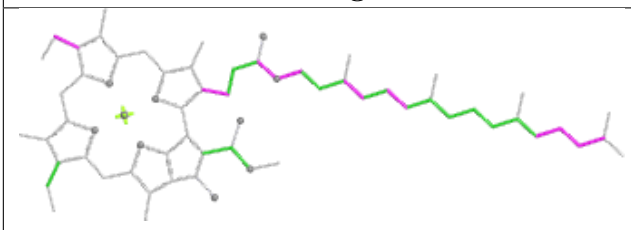
Ligand CLA B 828



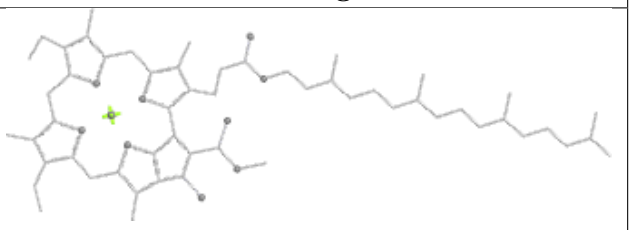
Bond lengths



Bond angles

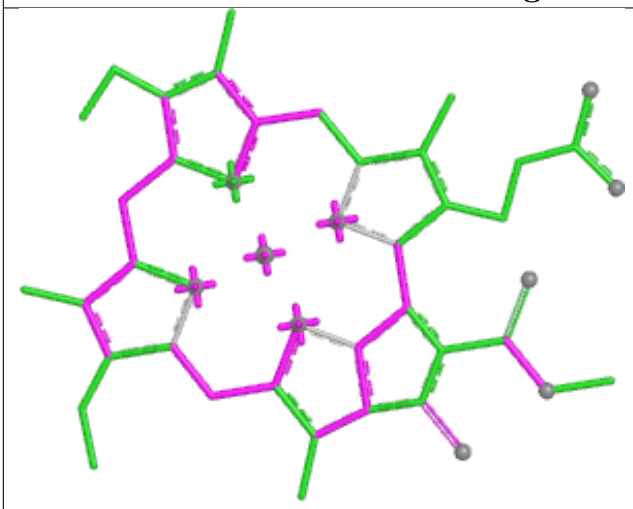


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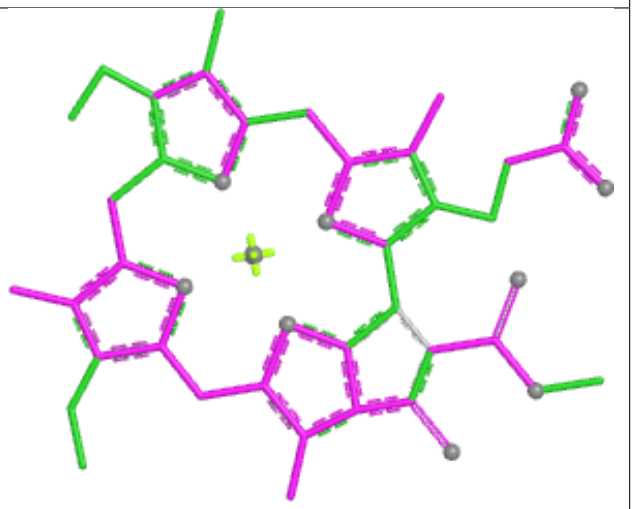


Rings

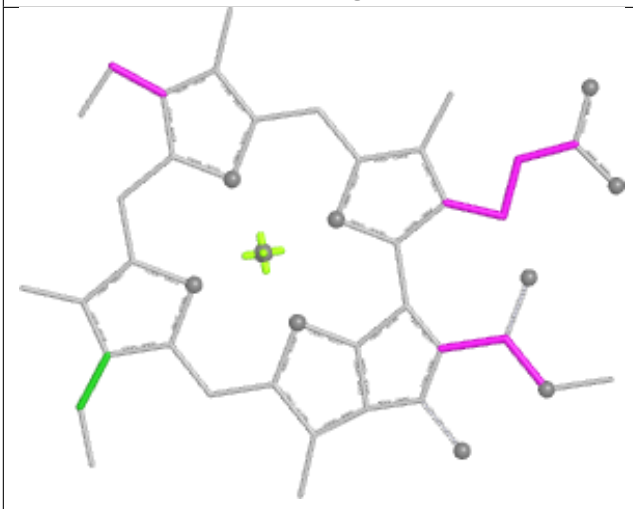
Ligand CLA H 819



Bond lengths



Bond angles

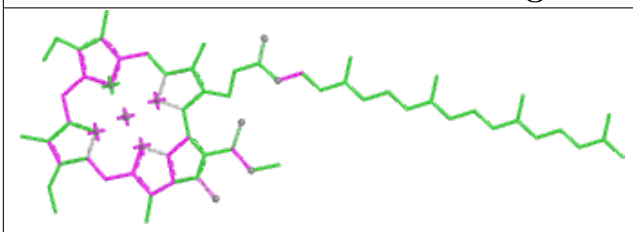


Torsions

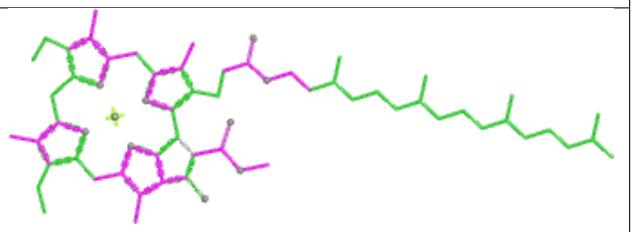


Rings

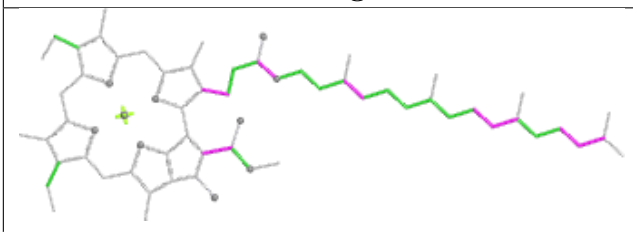
Ligand CLA Z 812



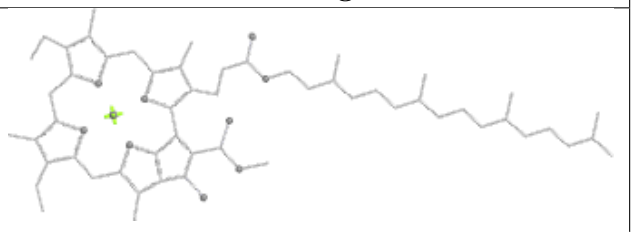
Bond lengths



Bond angles

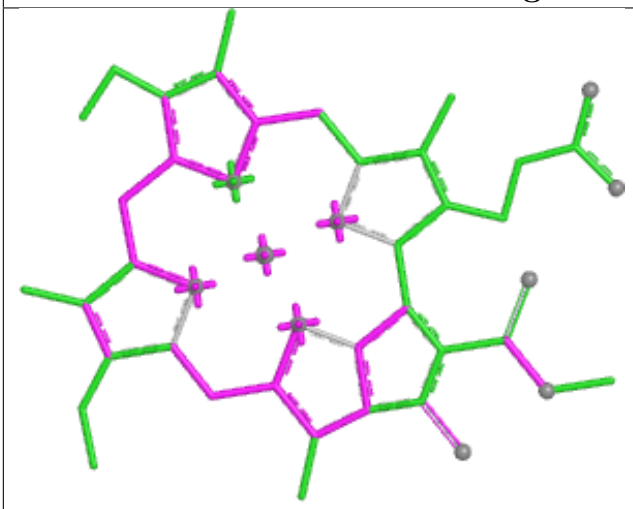


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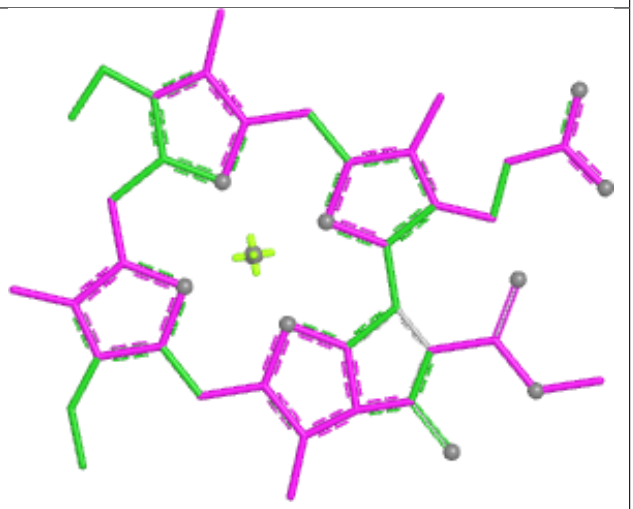


Rings

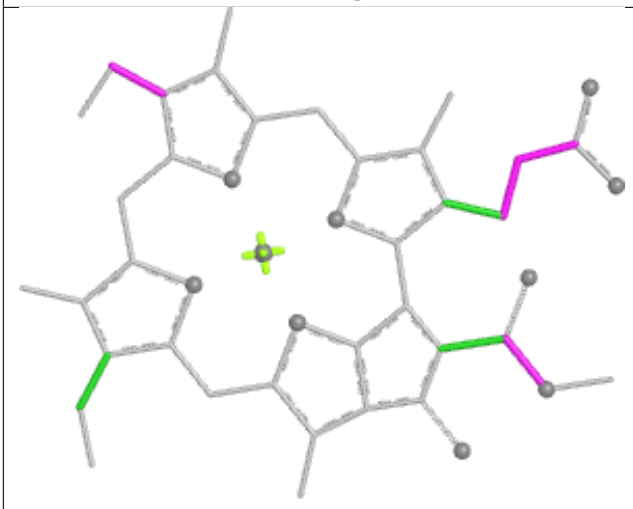
Ligand CLA H 811



Bond lengths



Bond angles

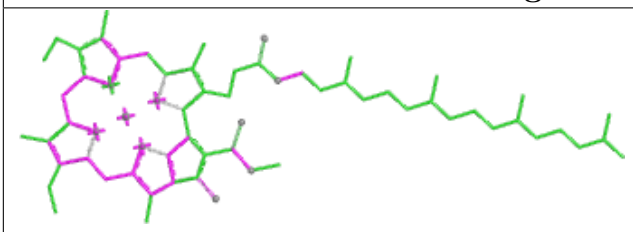


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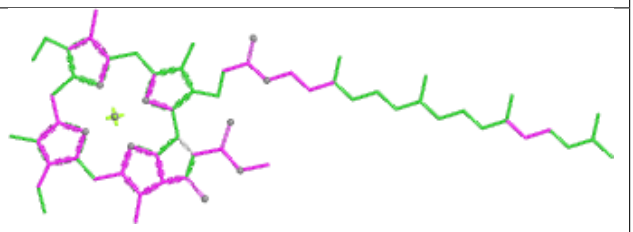


Rings

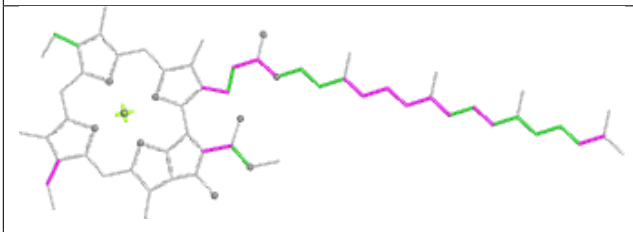
Ligand CLA B 813



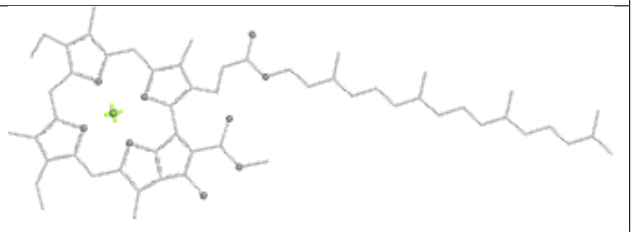
Bond lengths



Bond angles

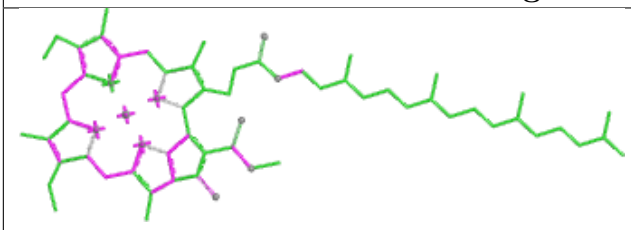


Torsions

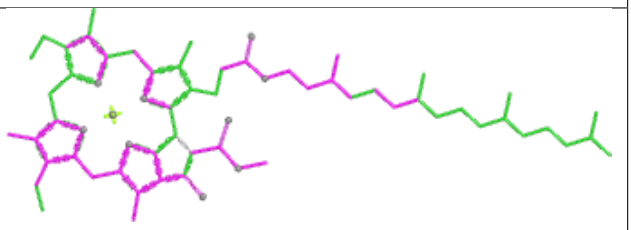


Rings

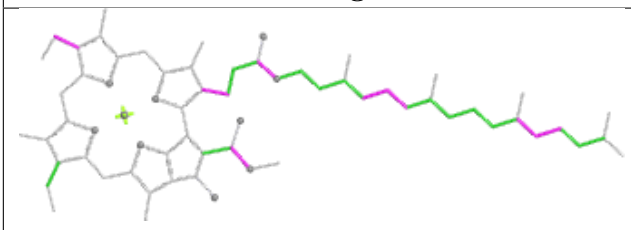
Ligand CLA G 828



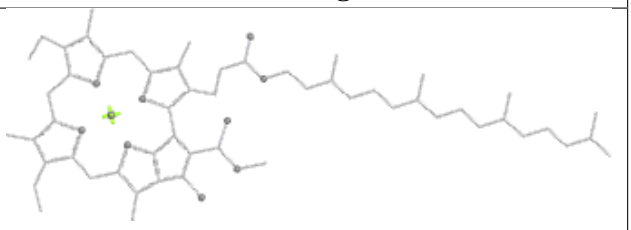
Bond lengths



Bond angles

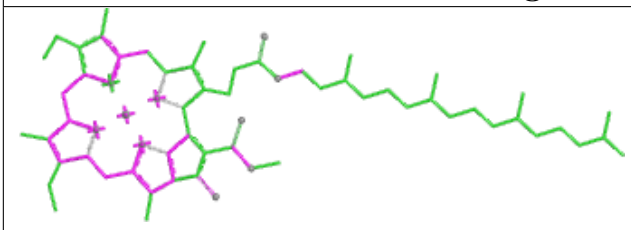


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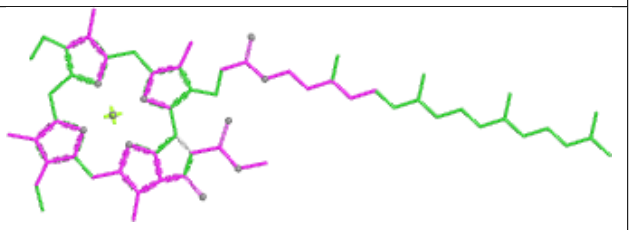


Rings

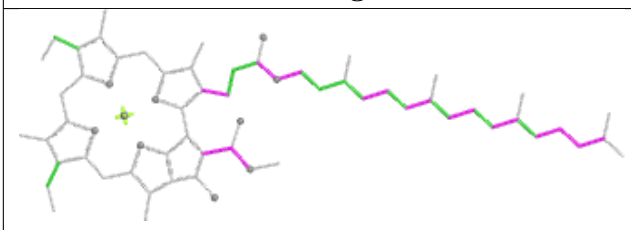
Ligand CLA A 803



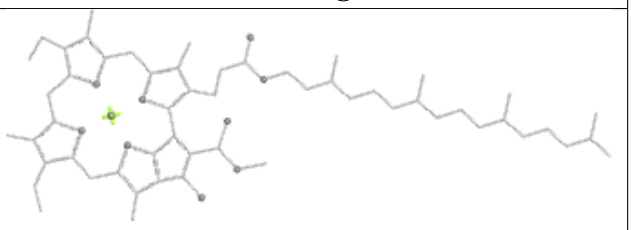
Bond lengths



Bond angles

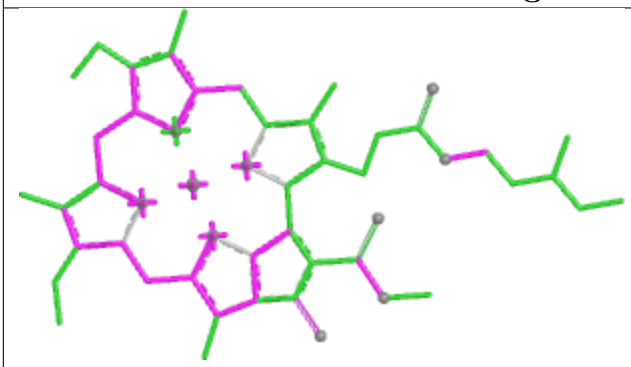


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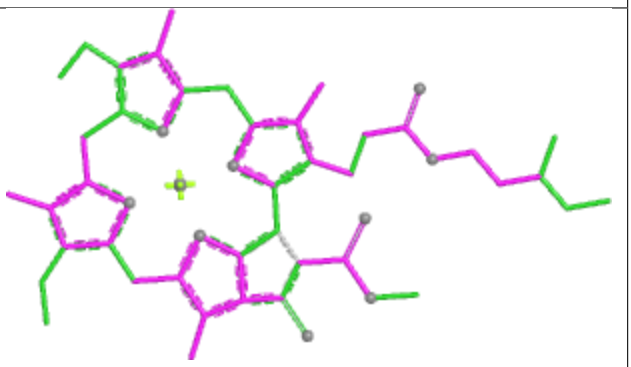


Rings

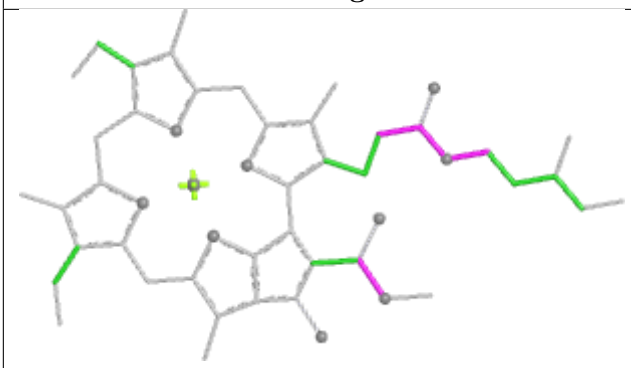
Ligand CLA A 807



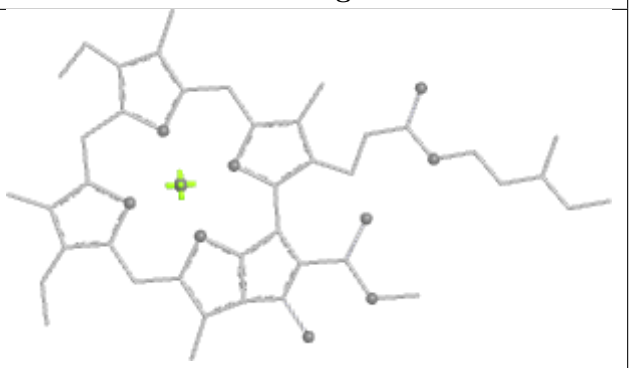
Bond lengths



Bond angles

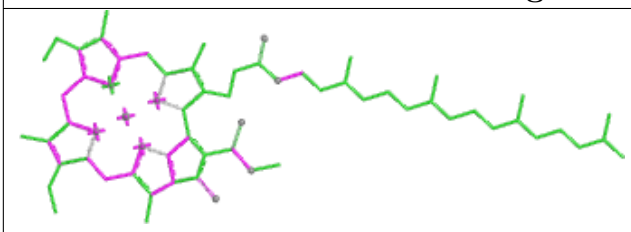


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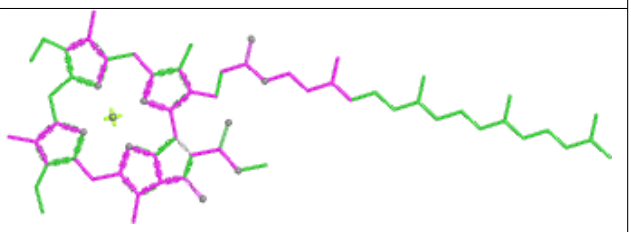


Rings

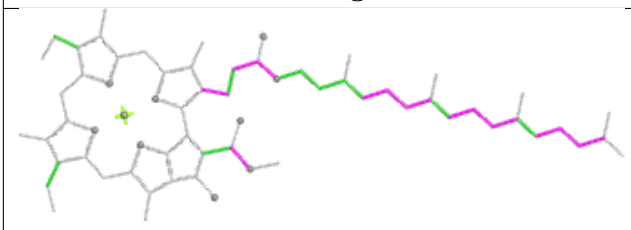
Ligand CLA Z 802



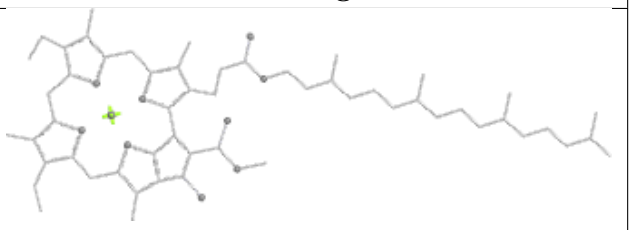
Bond lengths



Bond angles

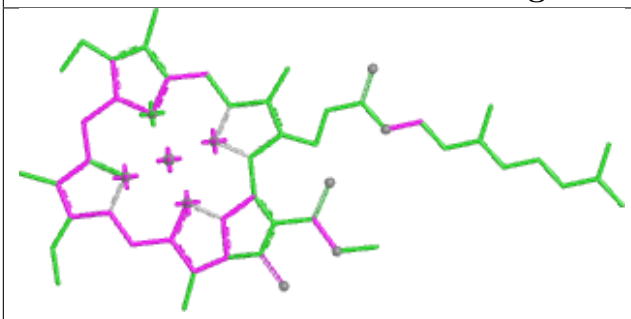


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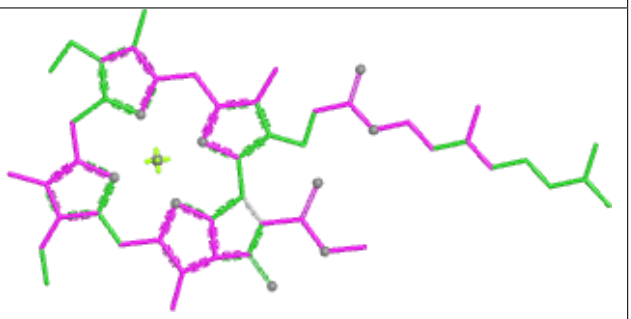


Rings

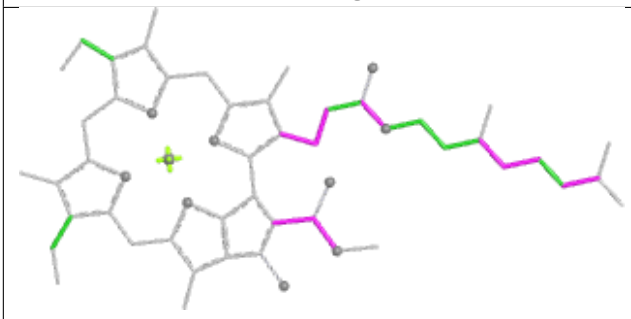
Ligand CLA J 102



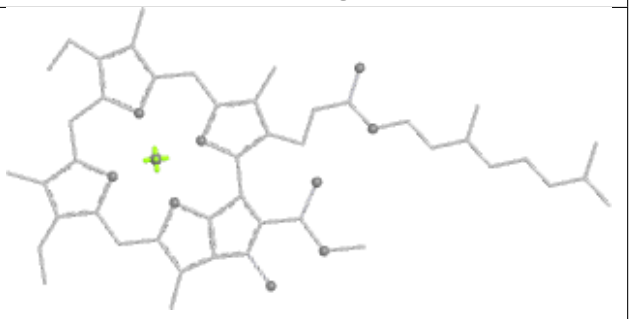
Bond lengths



Bond angles

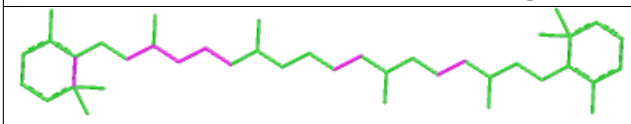


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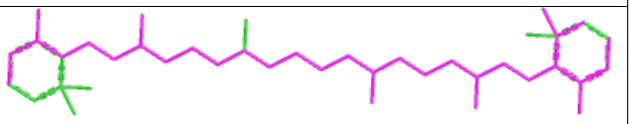


Rings

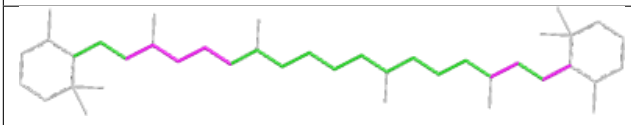
Ligand BCR G 848



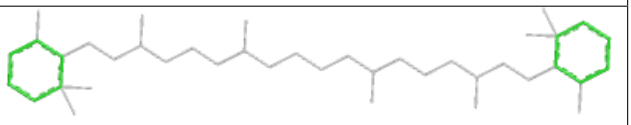
Bond lengths



Bond angles

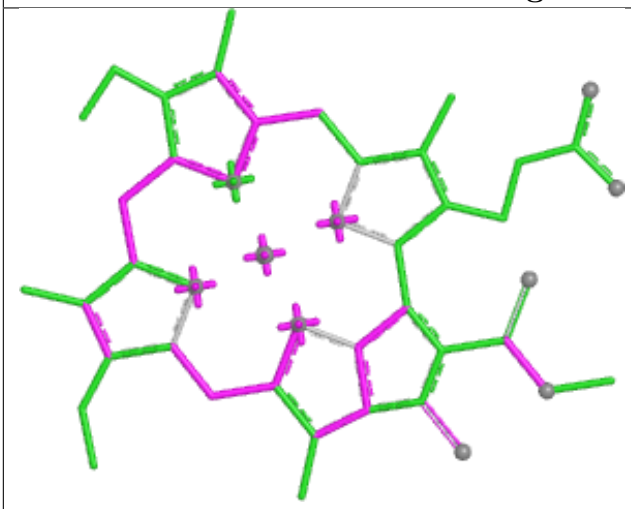


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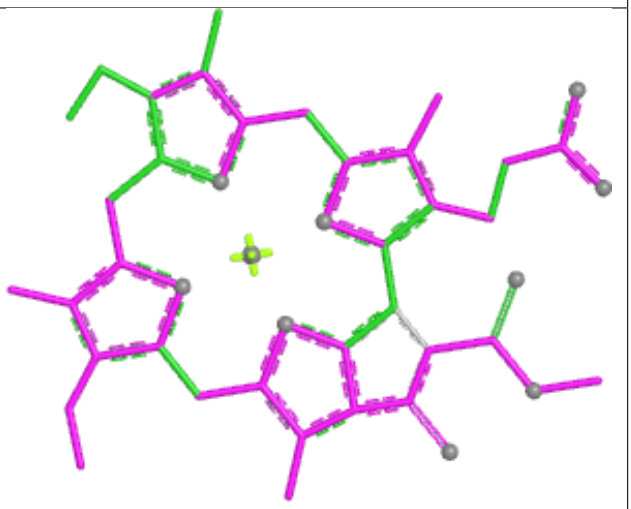


Rings

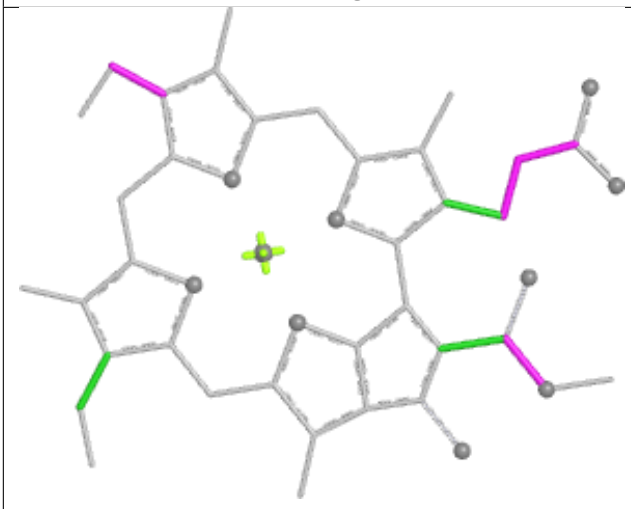
Ligand CLA Z 810



Bond lengths



Bond angles

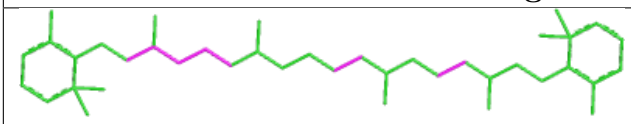


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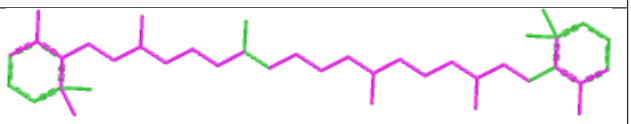


Rings

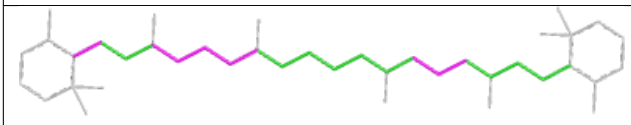
Ligand BCR L 209



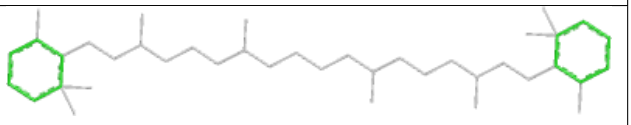
Bond lengths



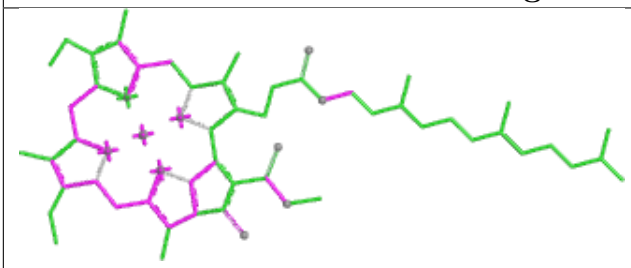
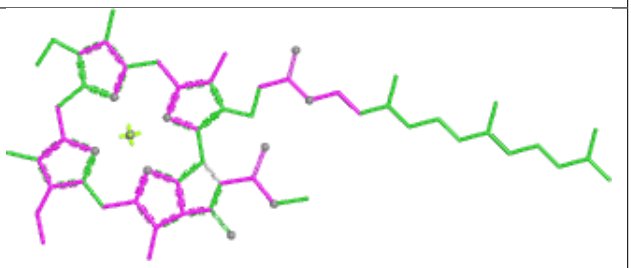
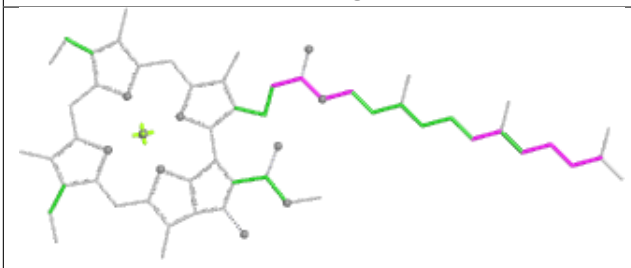
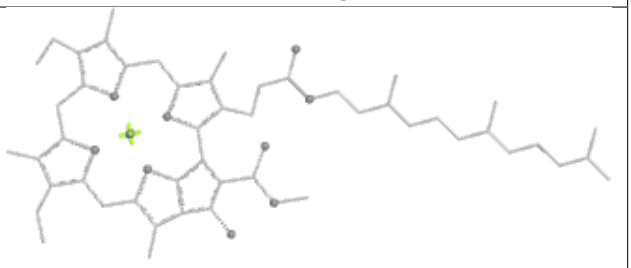
Bond angles

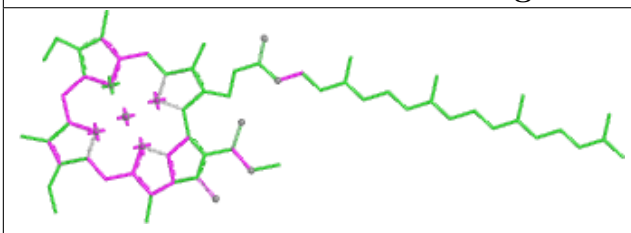
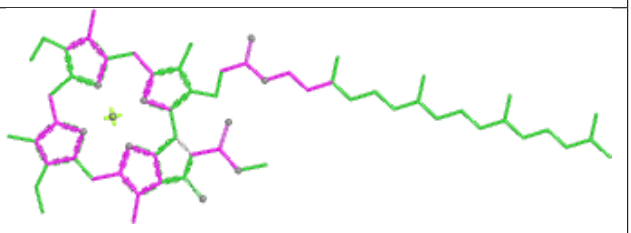
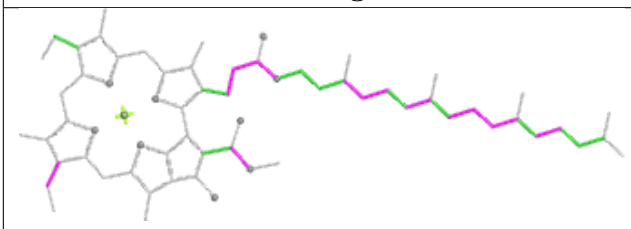
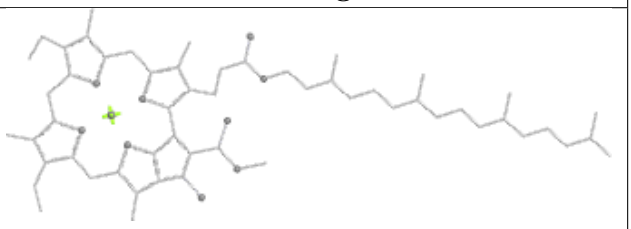


Torsions

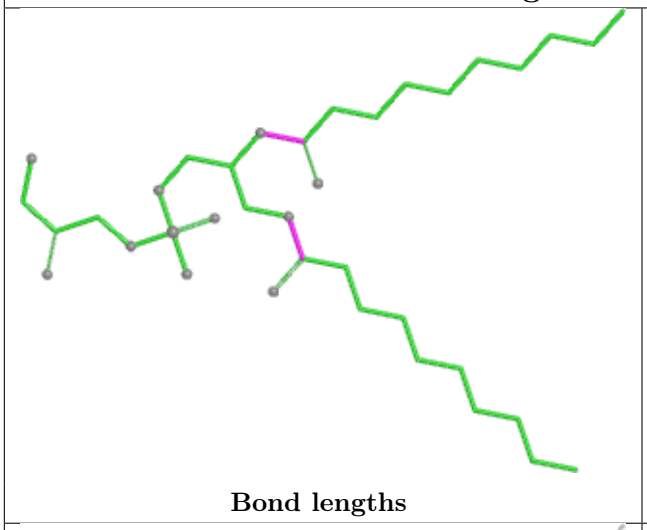


Rings

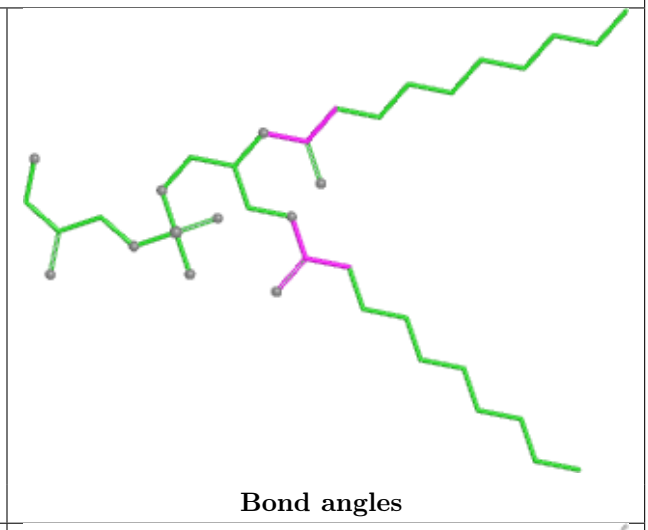
Ligand CLA Y 820	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA U 1004	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

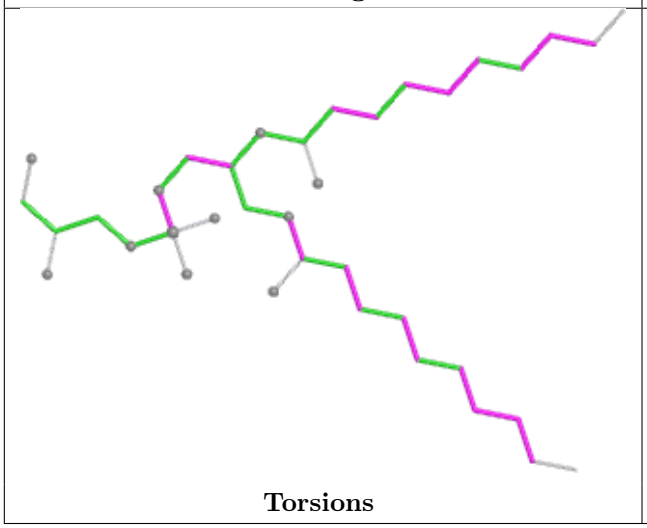
Ligand LHG H 847



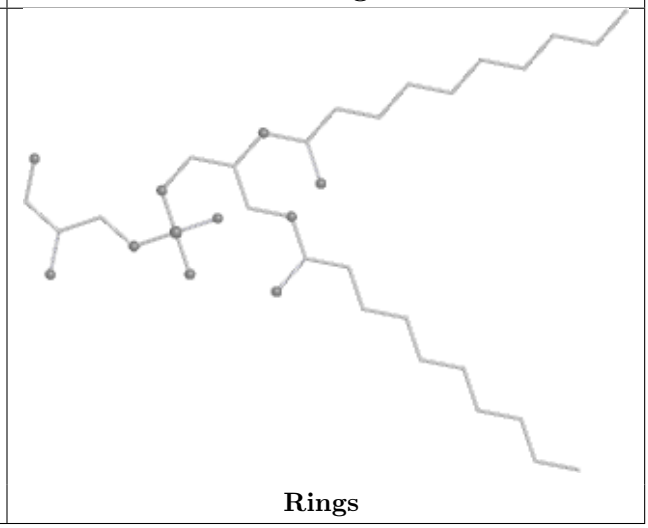
Bond lengths



Bond angles

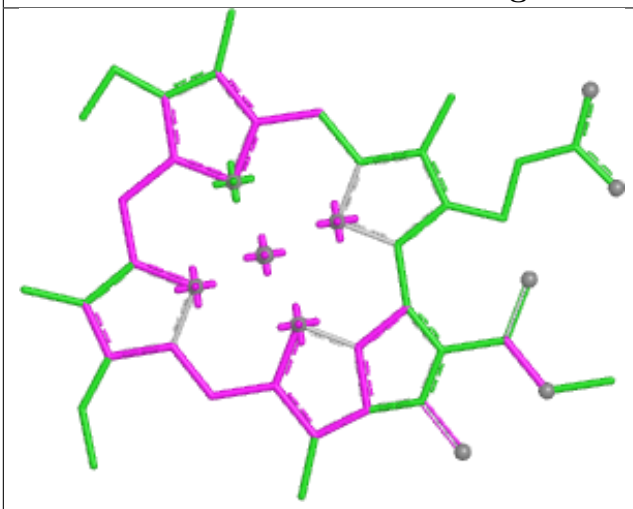


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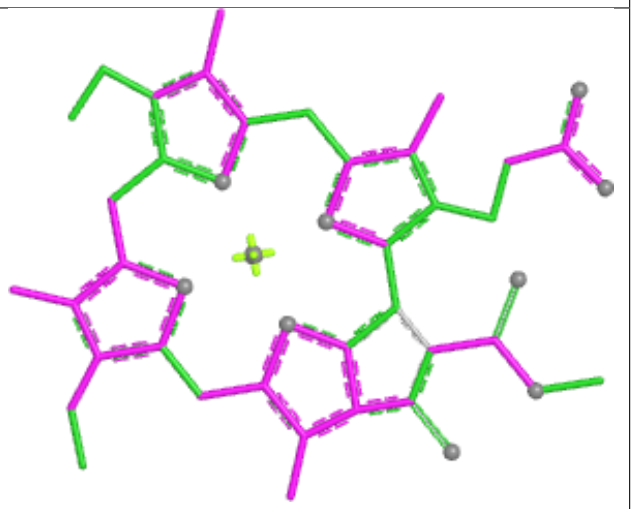


Rings

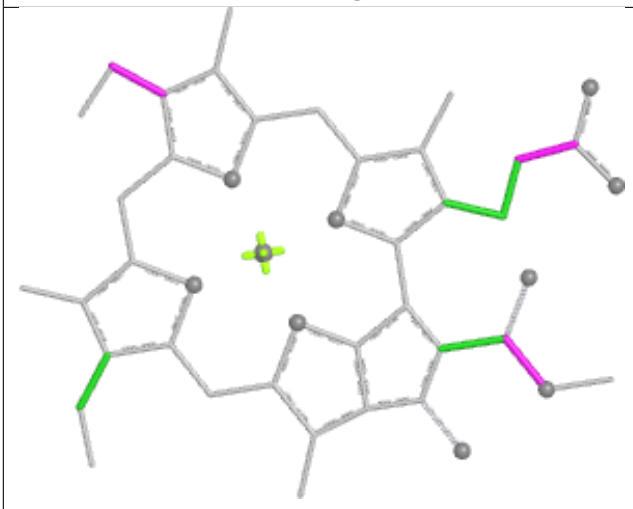
Ligand CLA W 1701



Bond lengths



Bond angles

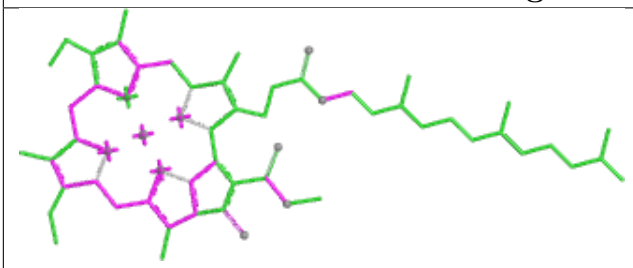


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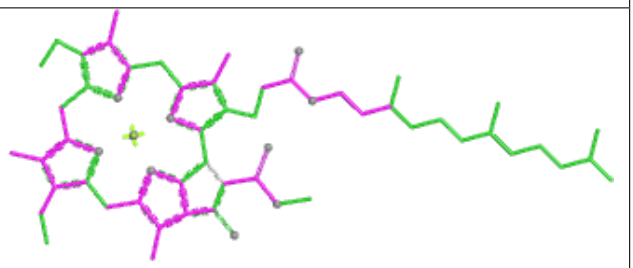


Rings

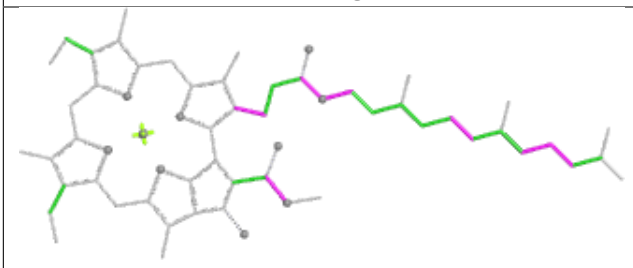
Ligand CLA Z 835



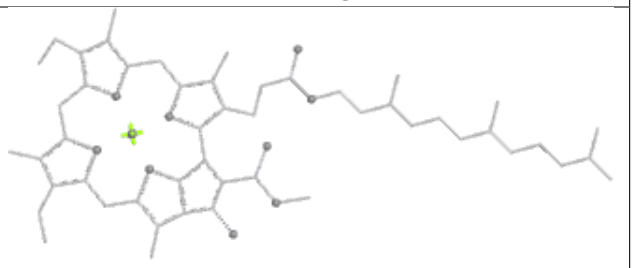
Bond lengths



Bond angles

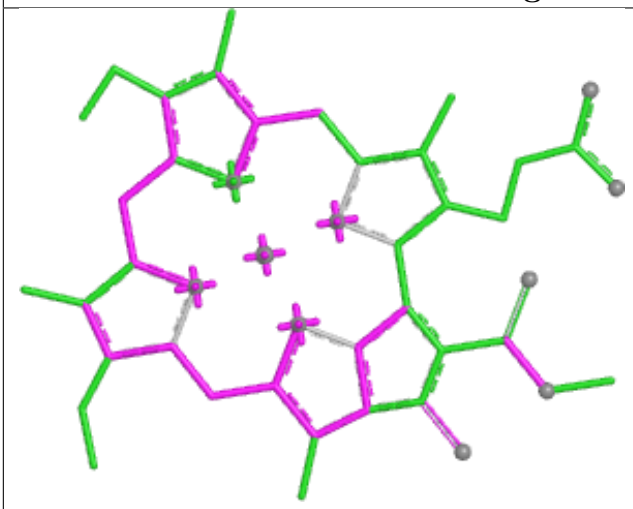


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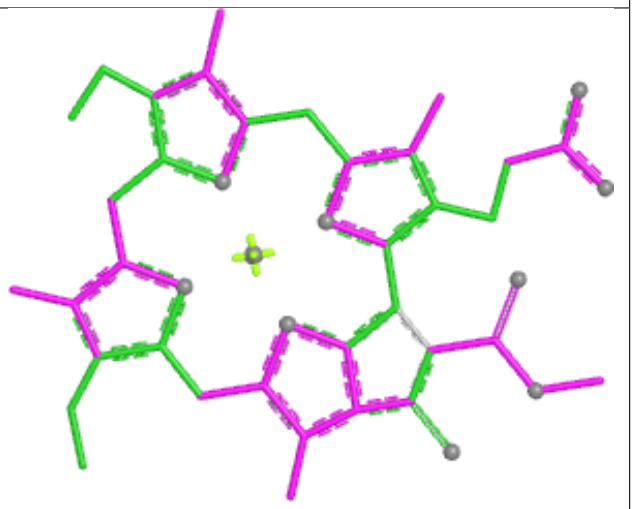


Rings

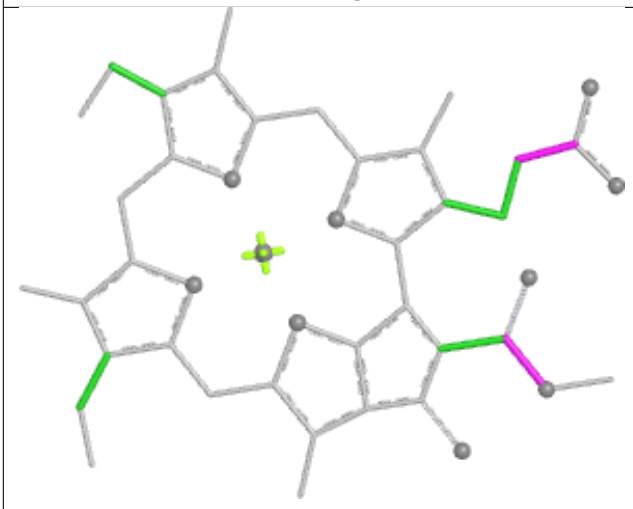
Ligand CLA A 810



Bond lengths



Bond angles

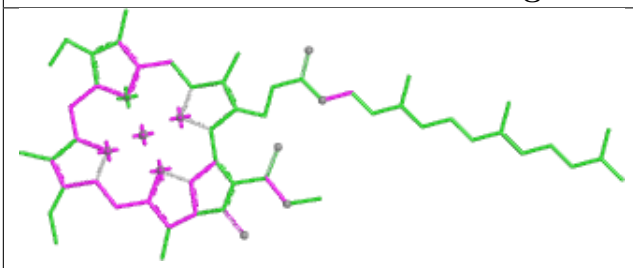


Torsions

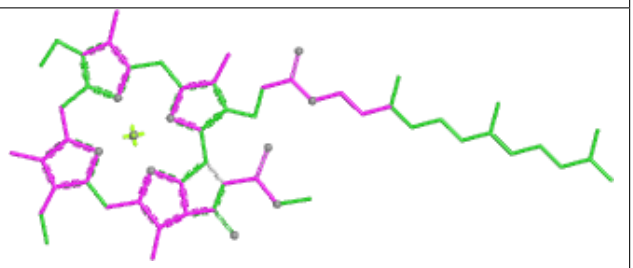


Rings

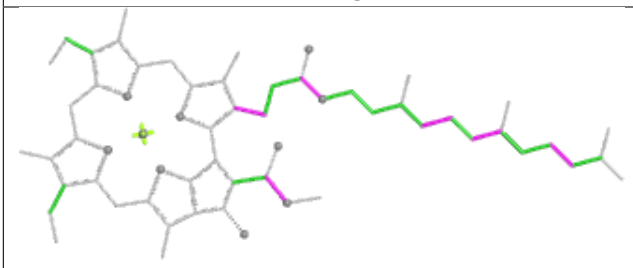
Ligand CLA A 813



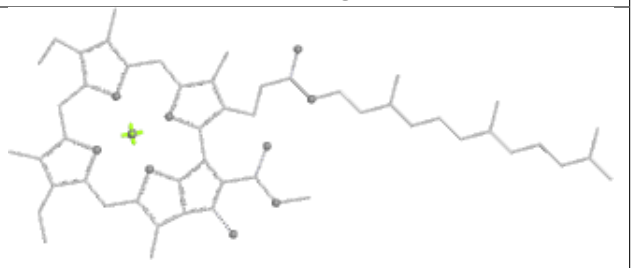
Bond lengths



Bond angles

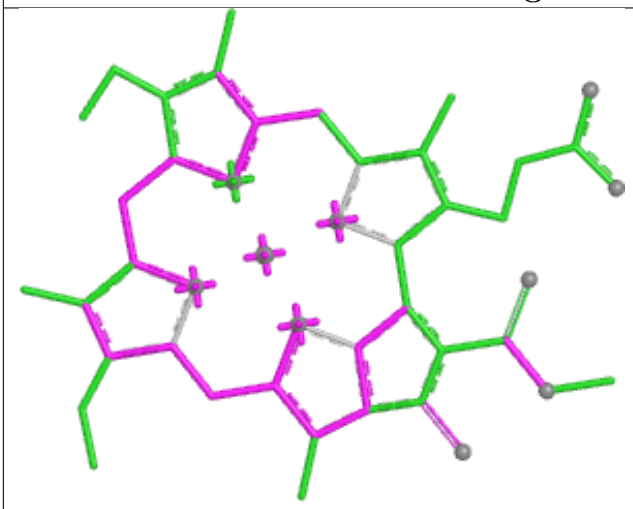


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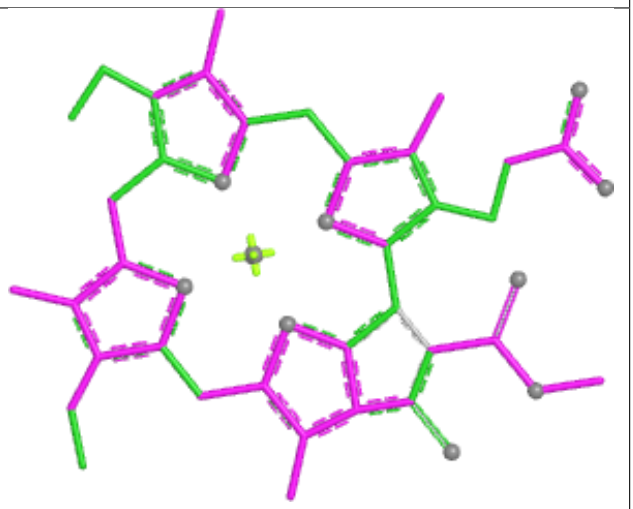


Rings

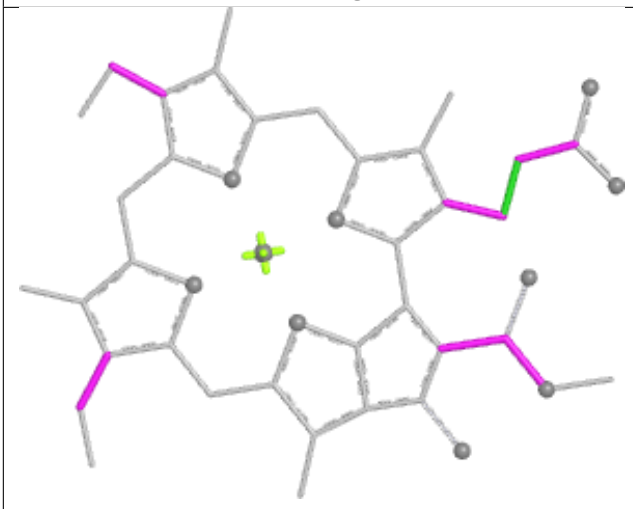
Ligand CLA B 821



Bond lengths



Bond angles

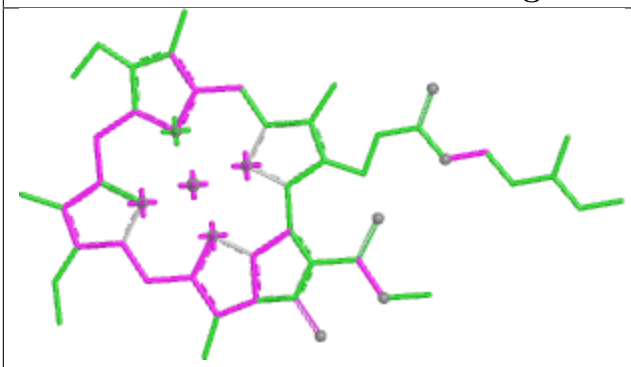


Torsions

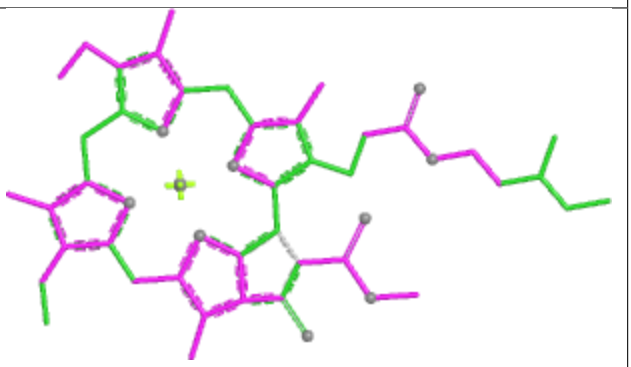


Rings

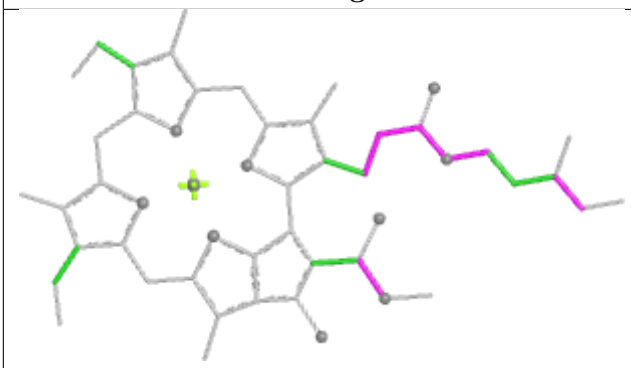
Ligand CLA G 807



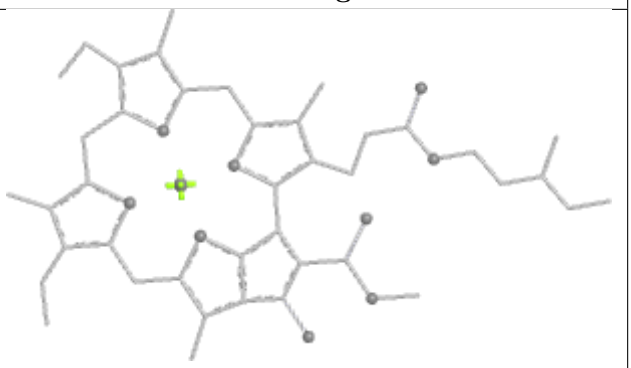
Bond lengths



Bond angles

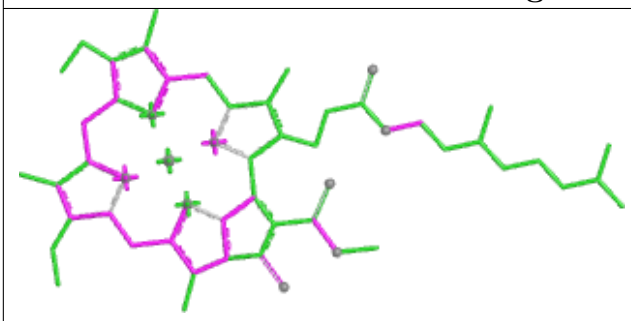


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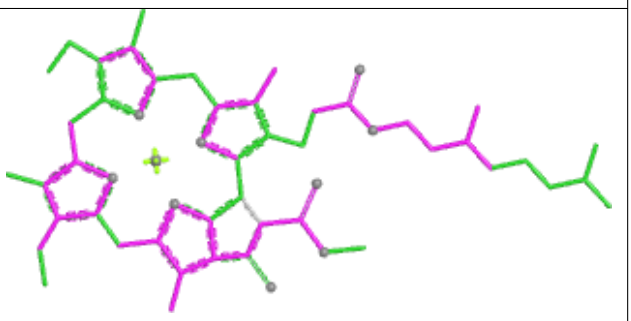


Rings

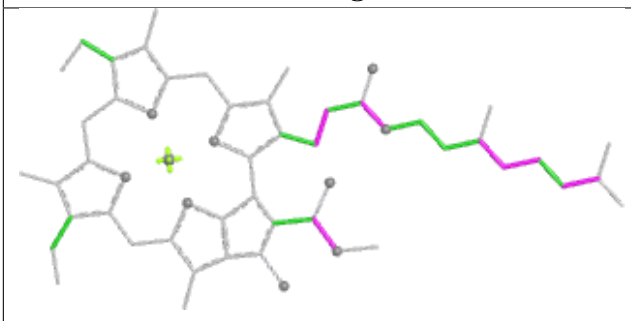
Ligand CLA Z 814



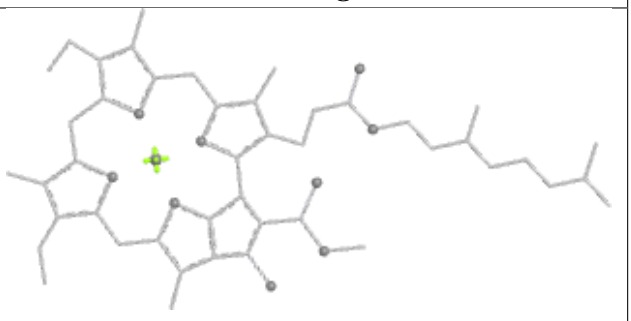
Bond lengths



Bond angles

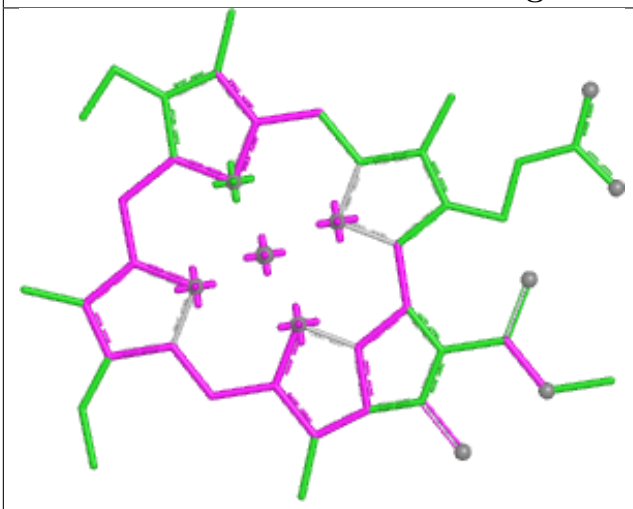


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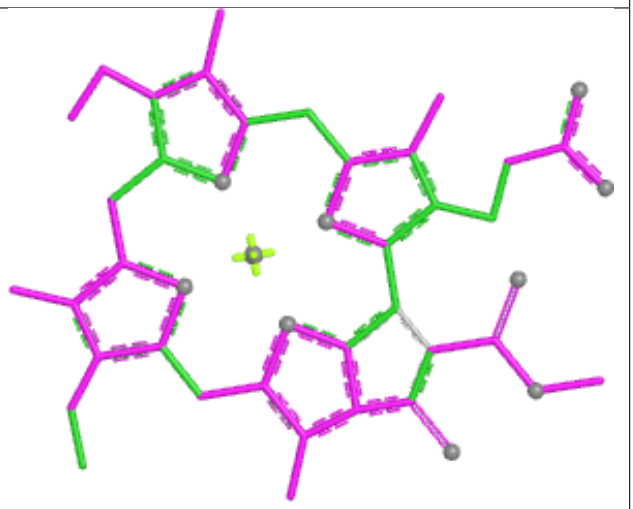


Rings

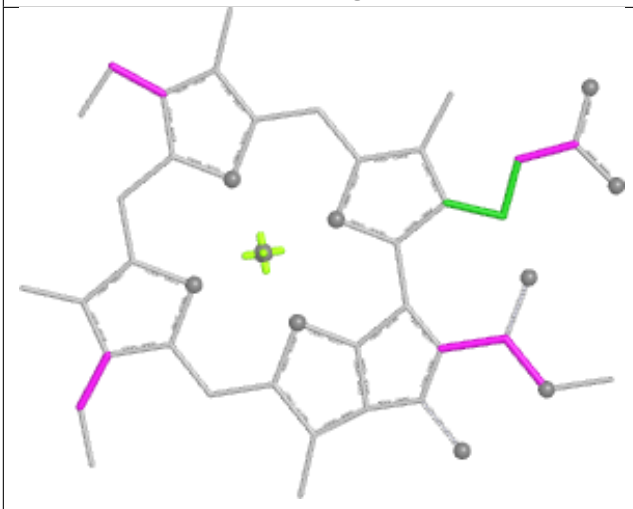
Ligand CLA Z 834



Bond lengths



Bond angles

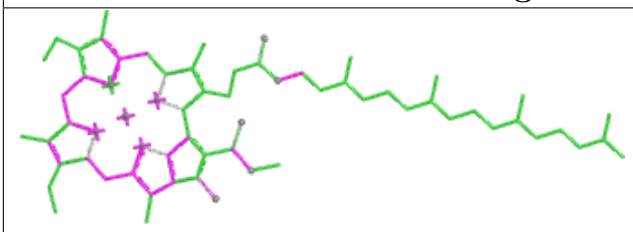


Torsions

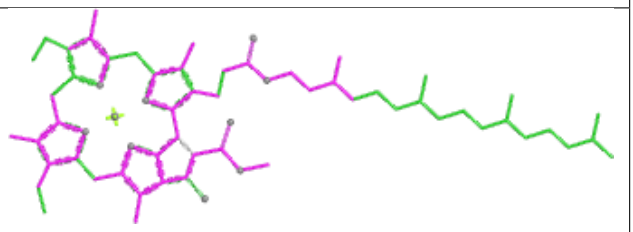


Rings

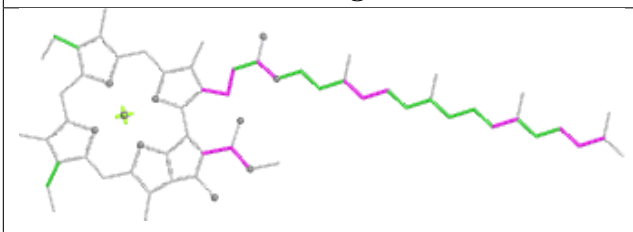
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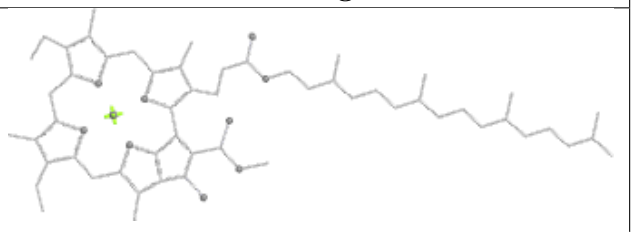
Bond lengths



Bond angles

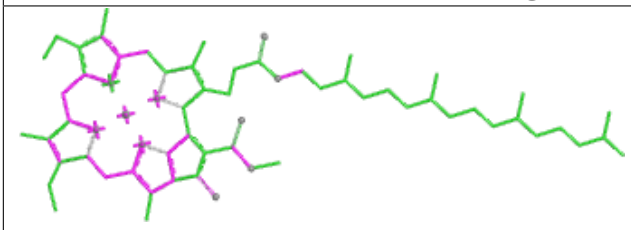


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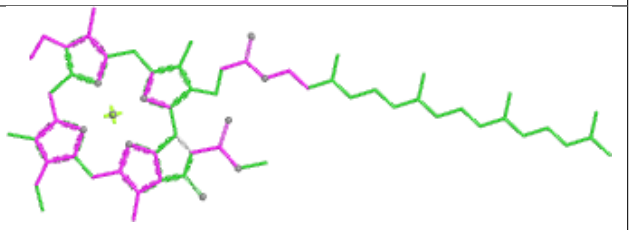


Rings

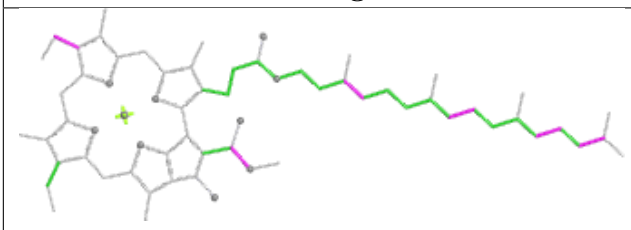
Ligand CLA H 806



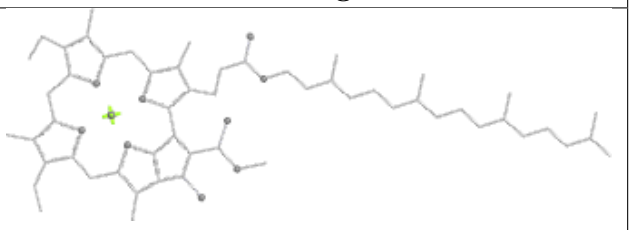
Bond lengths



Bond angles

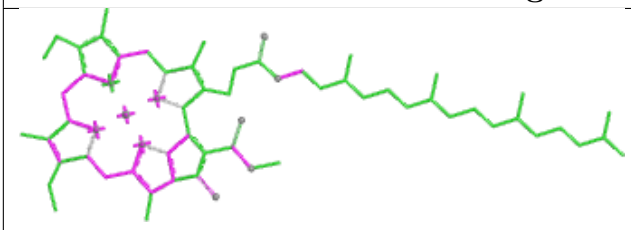


Torsions

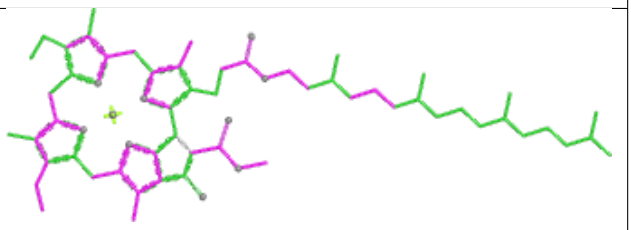


Rings

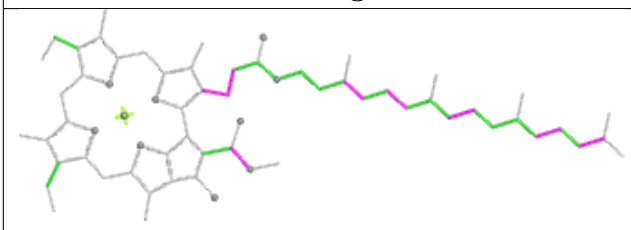
Ligand CLA Z 826



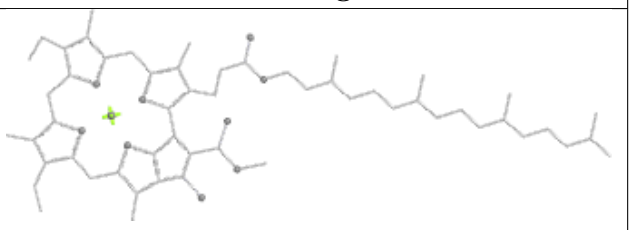
Bond lengths



Bond angles

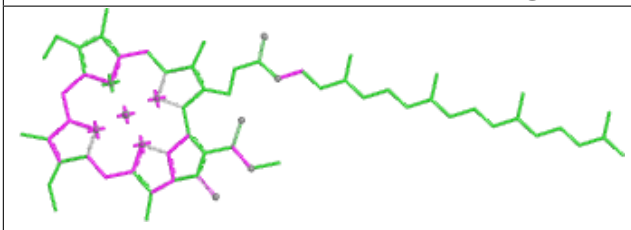


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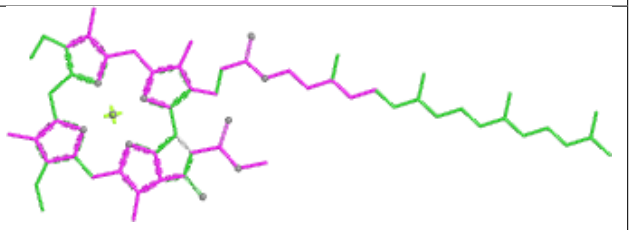


Rings

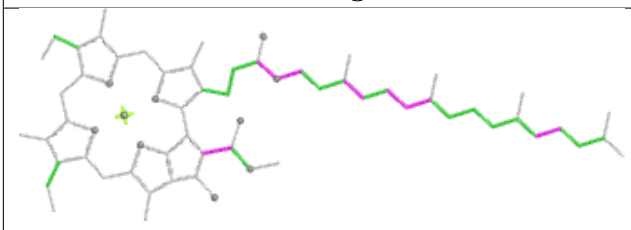
Ligand CLA Y 830



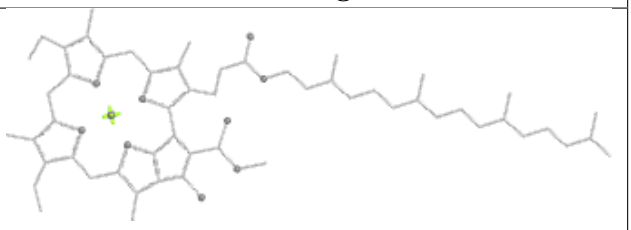
Bond lengths



Bond angles

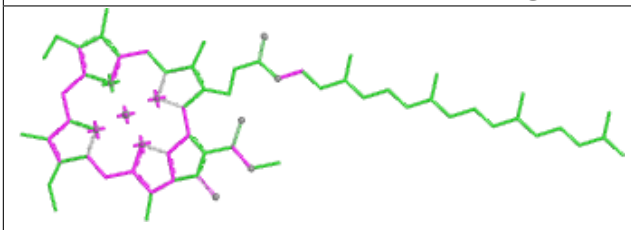


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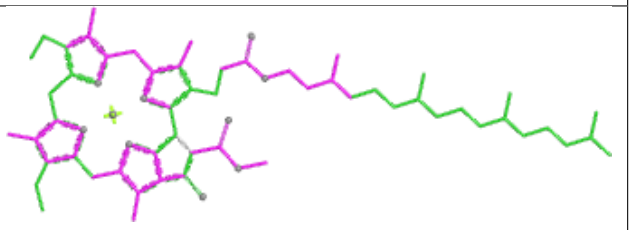


Rings

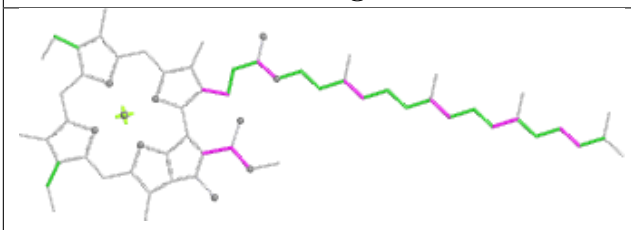
Ligand CLA B 825



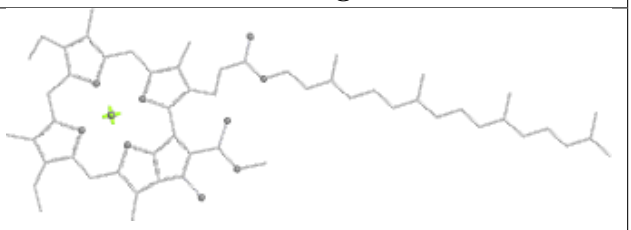
Bond lengths



Bond angles

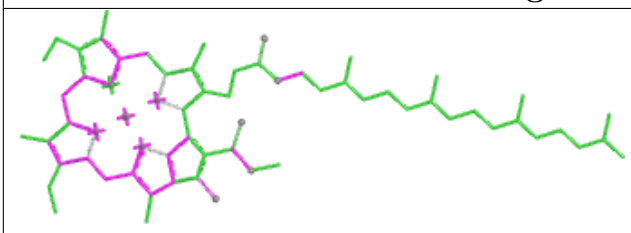


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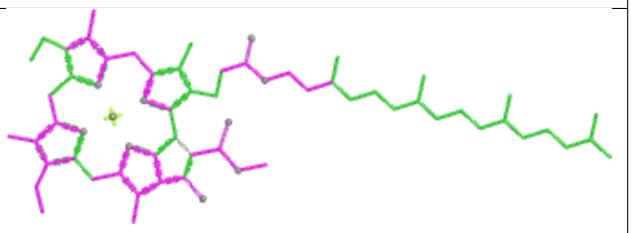


Rings

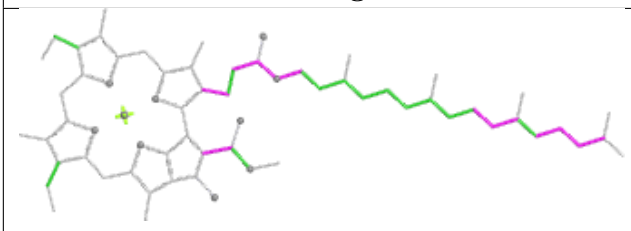
Ligand CLA Z 804



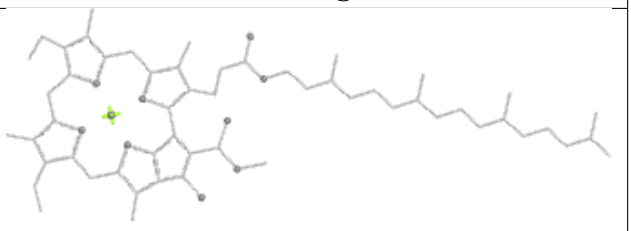
Bond lengths



Bond angles

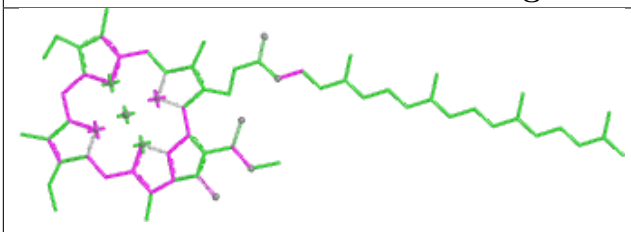


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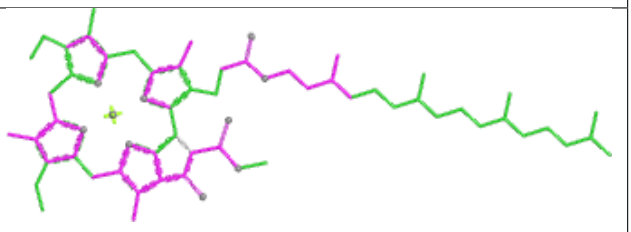


Rings

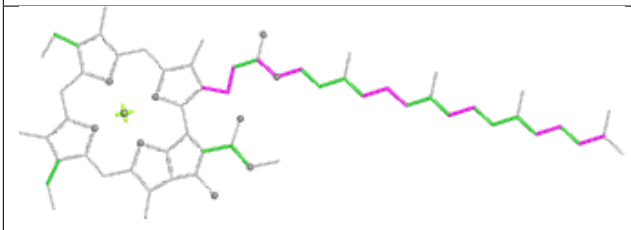
Ligand CLA G 822



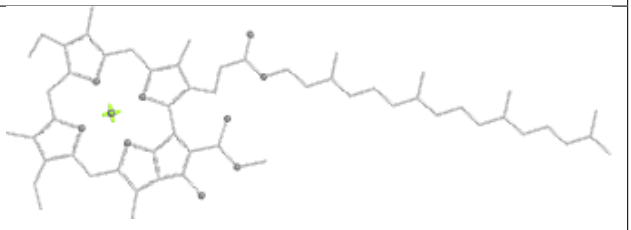
Bond lengths



Bond angles

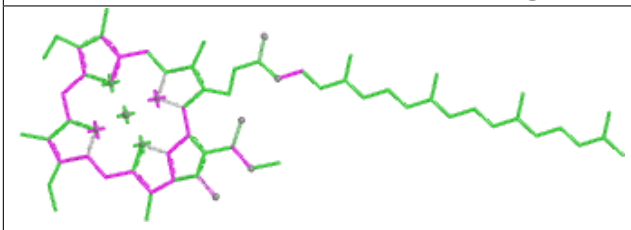


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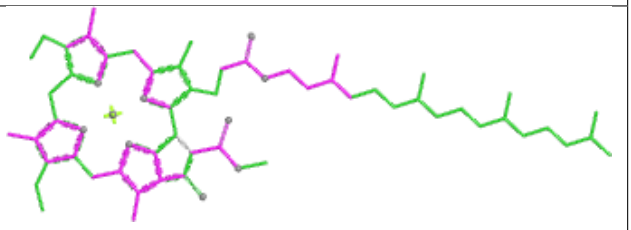


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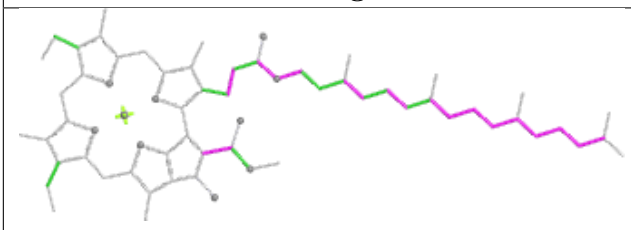
Ligand CLA Y 838



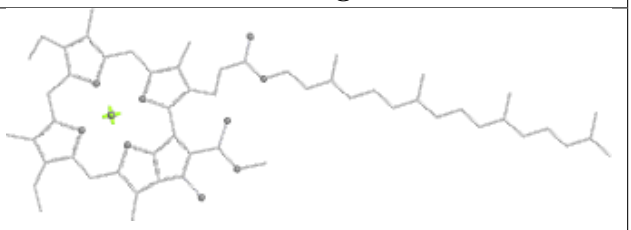
Bond lengths



Bond angles



Torsions

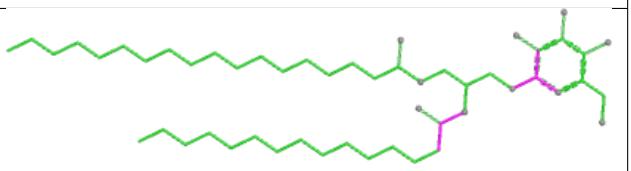


Rings

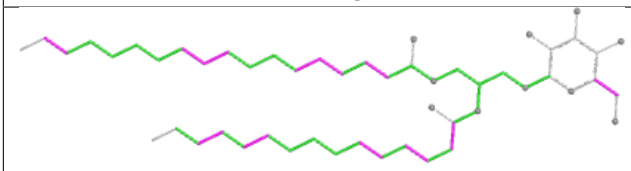
Ligand LMG B 849



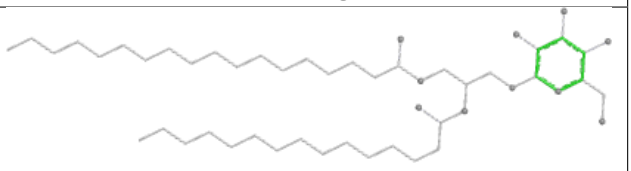
Bond lengths



Bond angles

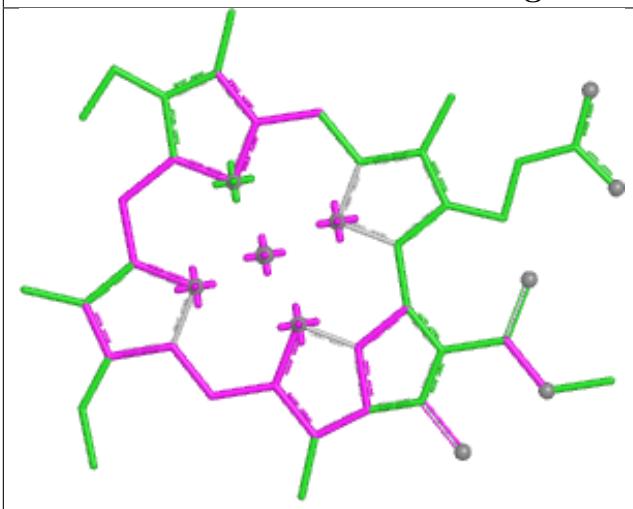


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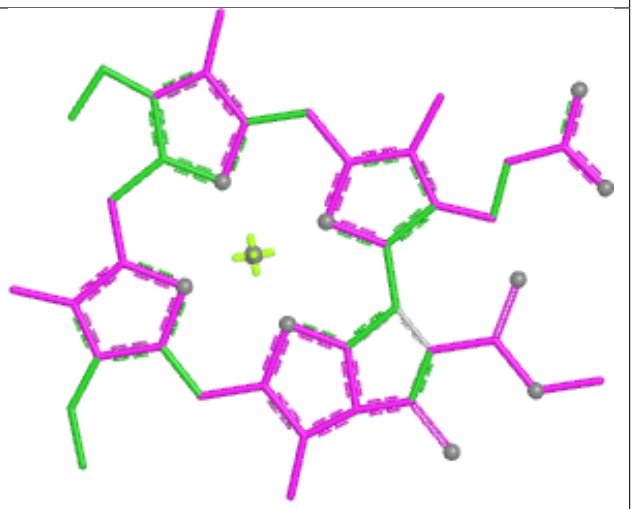


Rings

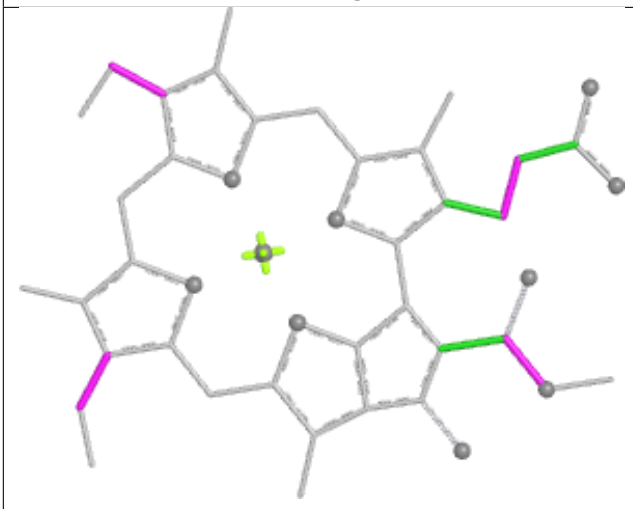
Ligand CLA B 830



Bond lengths



Bond angles

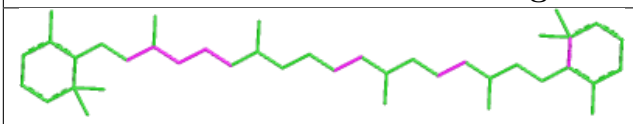


Torsions

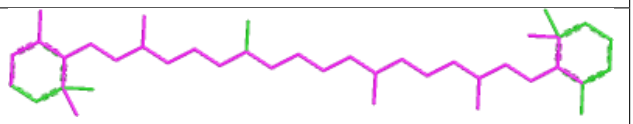


Rings

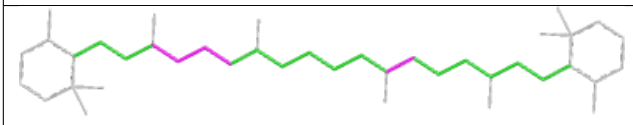
Ligand BCR f 104



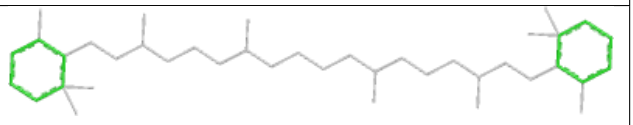
Bond lengths



Bond angles

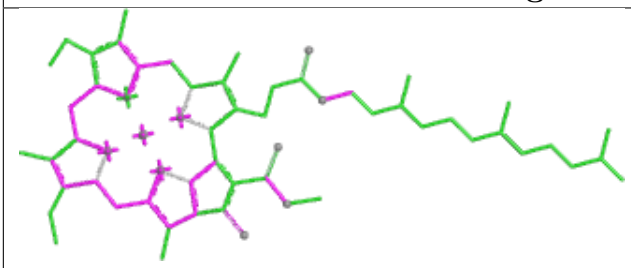


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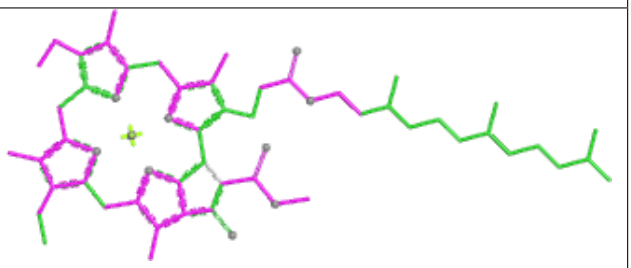


Rings

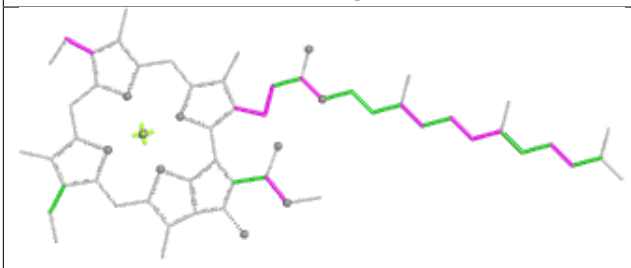
Ligand CLA Z 816



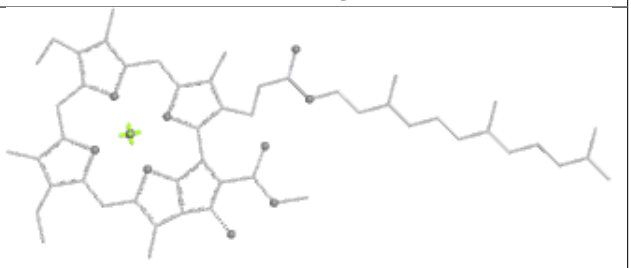
Bond lengths



Bond angles

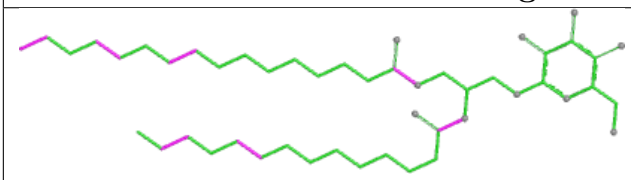


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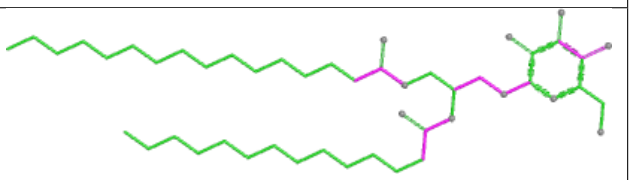


Rings

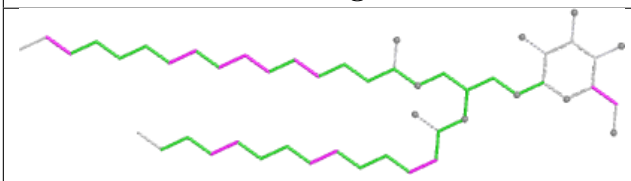
Ligand LMG H 846



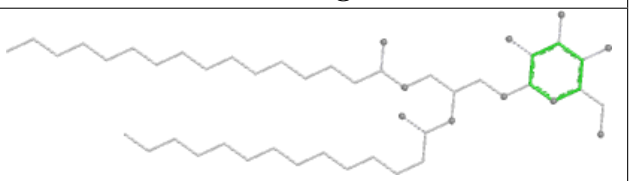
Bond lengths



Bond angles

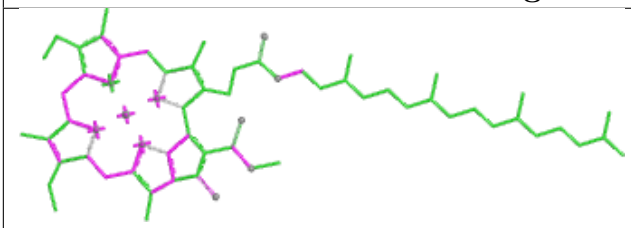


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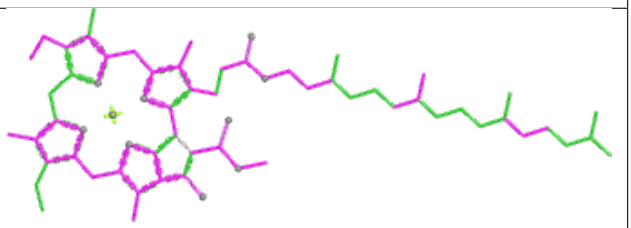


Rings

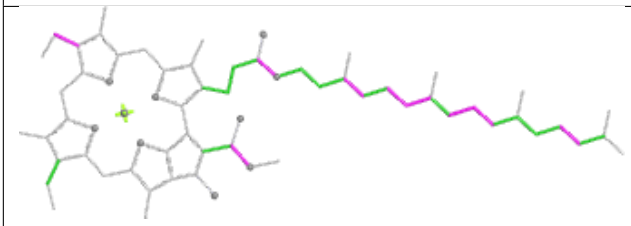
Ligand CLA A 833



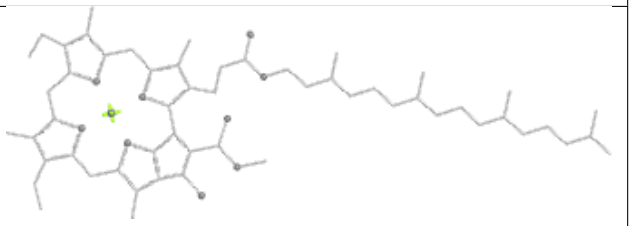
Bond lengths



Bond angles

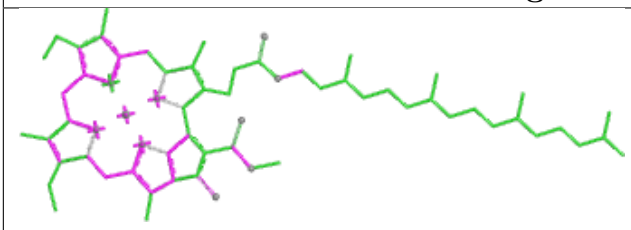


Torsions

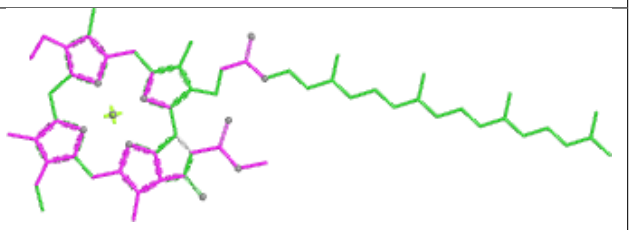


Rings

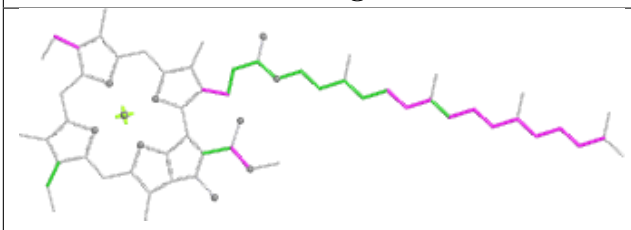
Ligand CLA Z 825



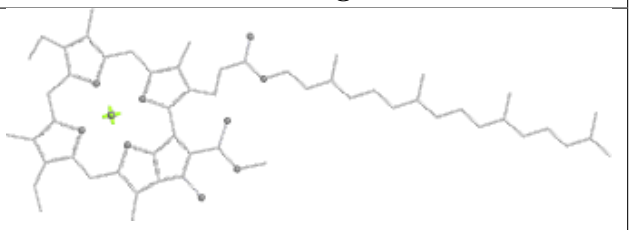
Bond lengths



Bond angles

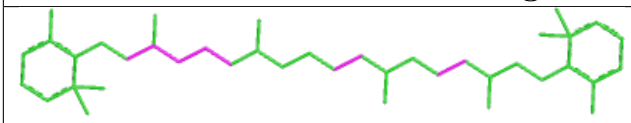


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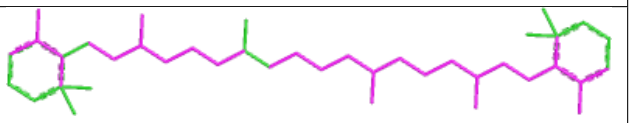


Rings

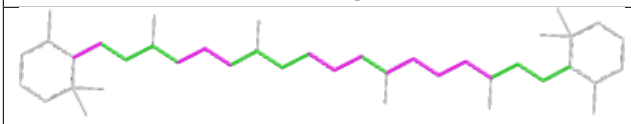
Ligand BCR Y 849



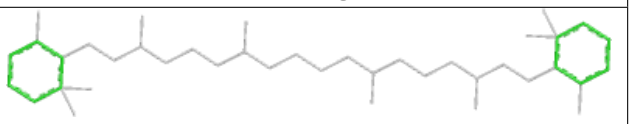
Bond lengths



Bond angles

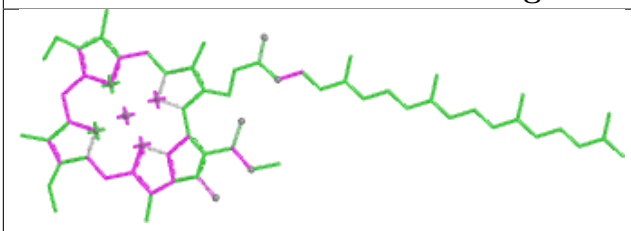


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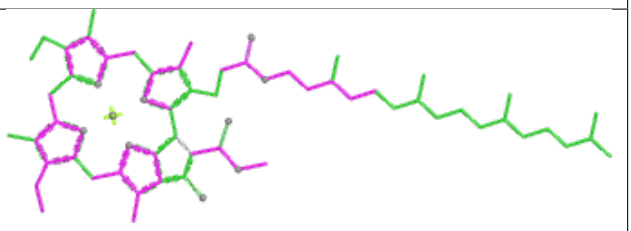


Rings

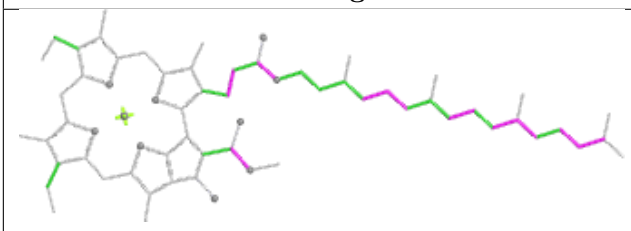
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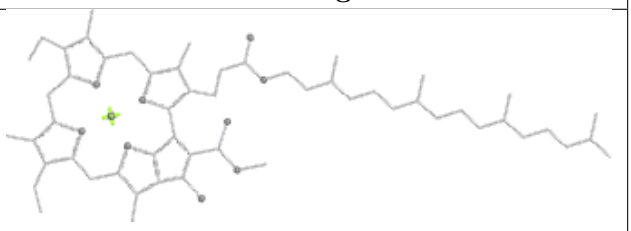
Bond lengths



Bond angles

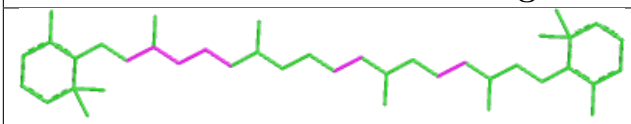


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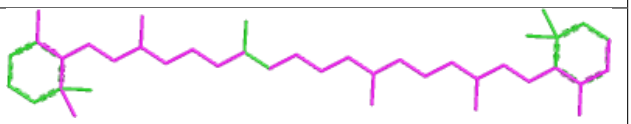


Rings

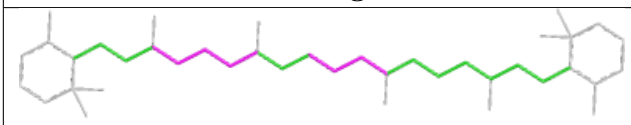
Ligand BCR M 101



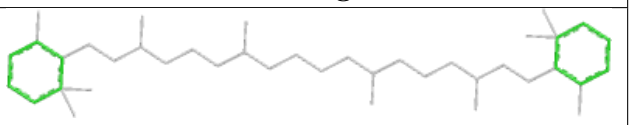
Bond lengths



Bond angles

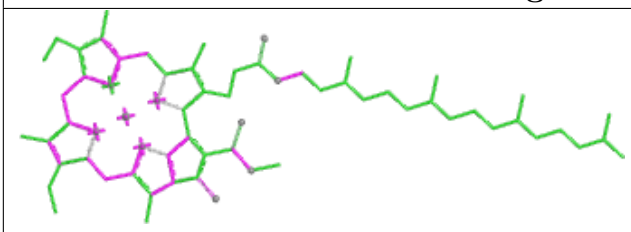


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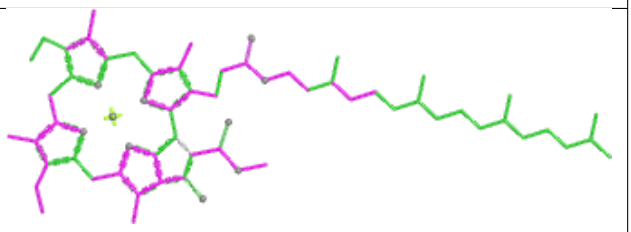


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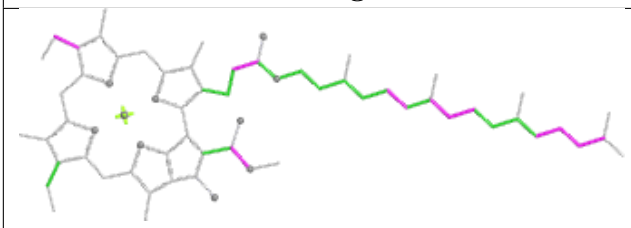
Ligand CLA Z 808



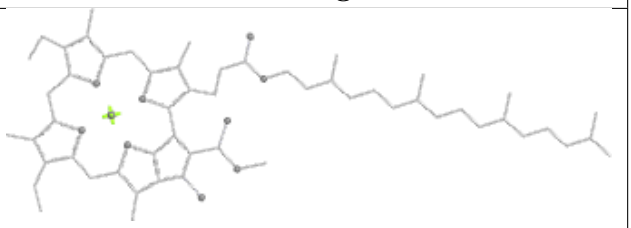
Bond lengths



Bond angles

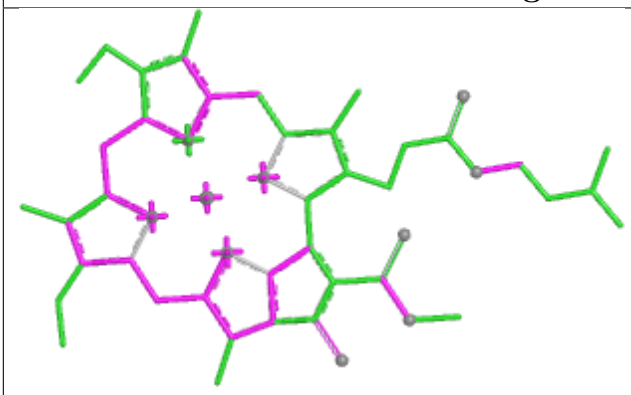


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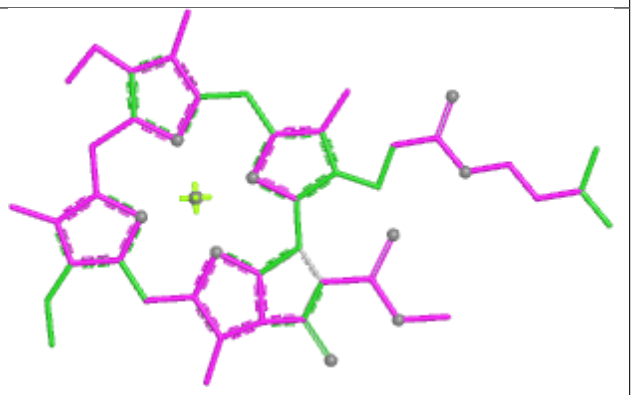


Rings

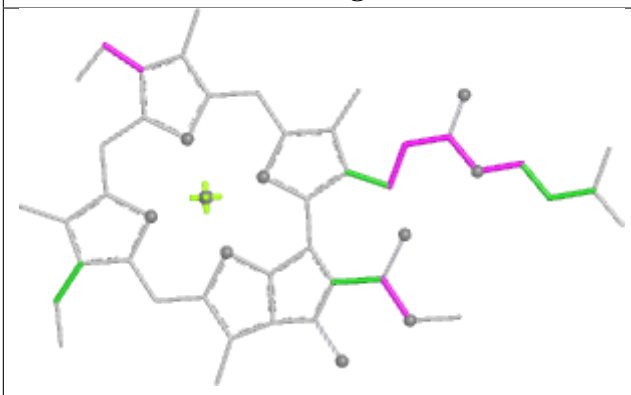
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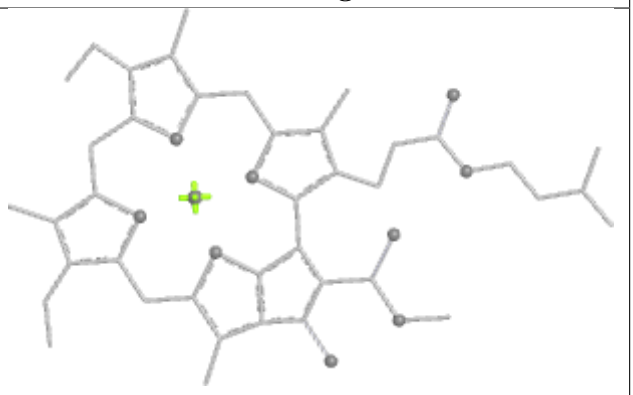
Bond lengths



Bond angles

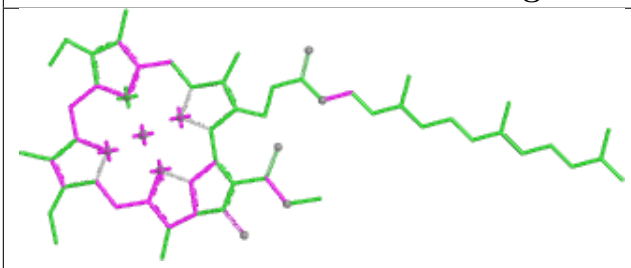


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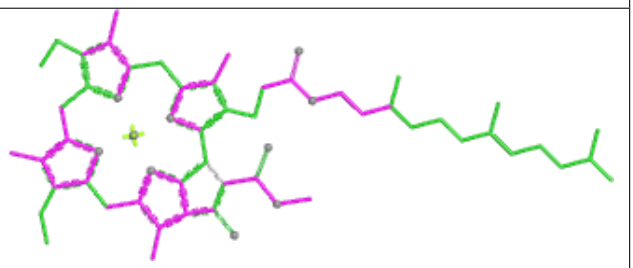


Rings

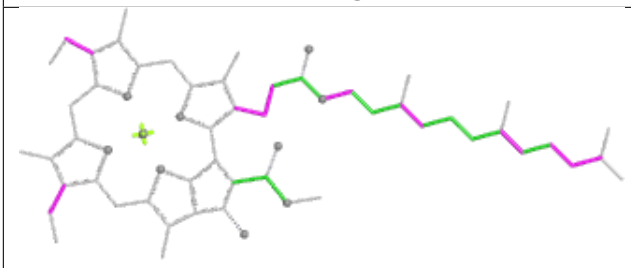
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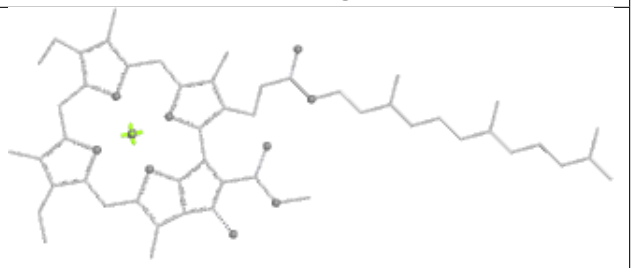
Bond lengths



Bond angles

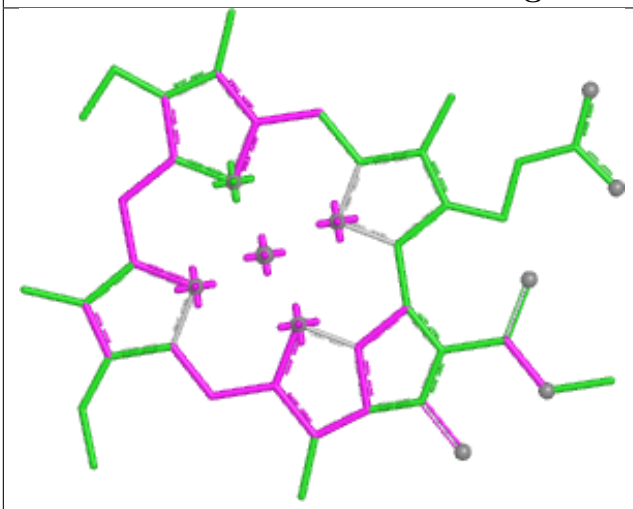


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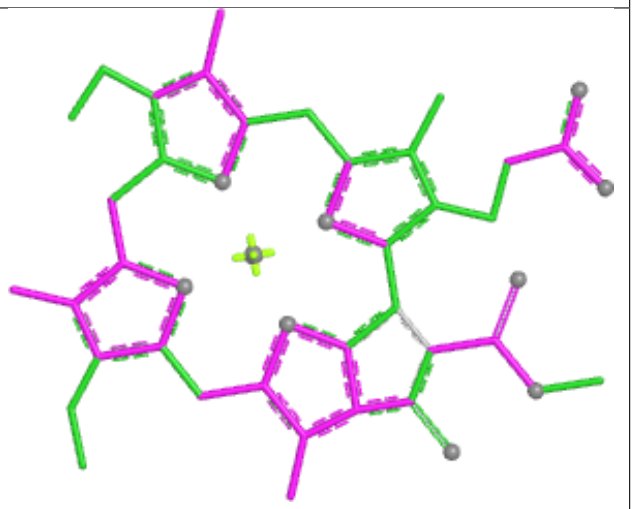


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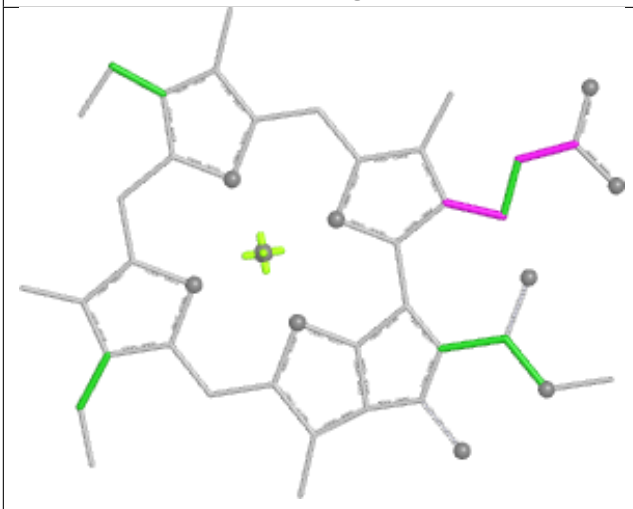
Ligand CLA B 839



Bond lengths



Bond angles

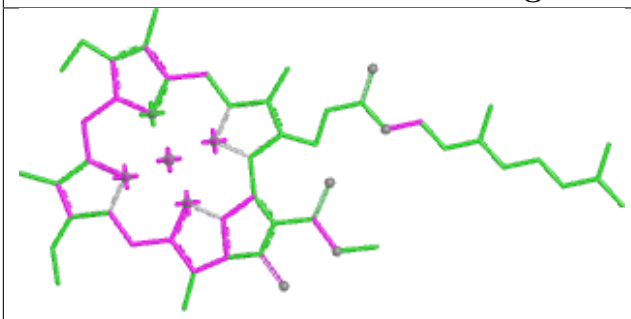


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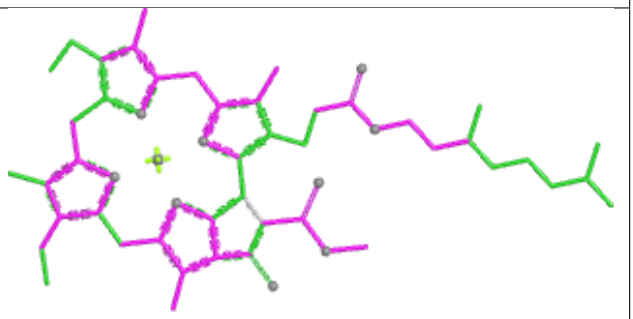


Rings

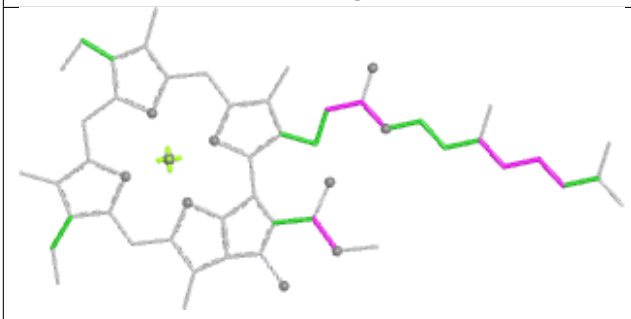
Ligand CLA B 822



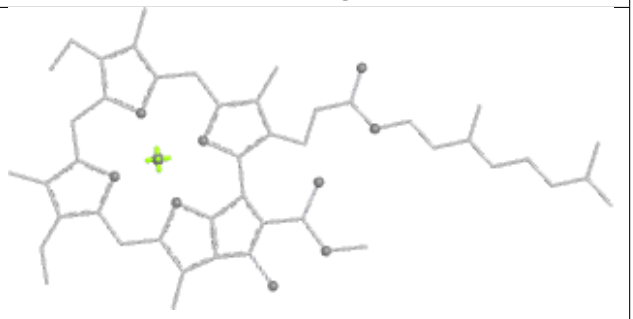
Bond lengths



Bond angles

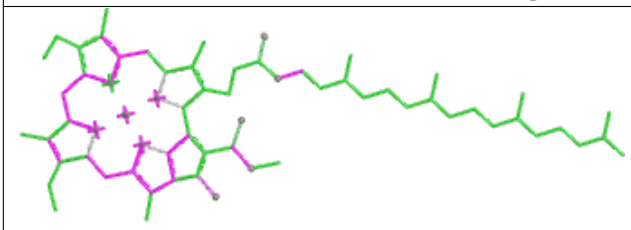


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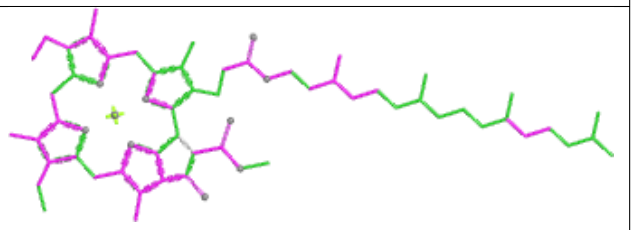


Rings

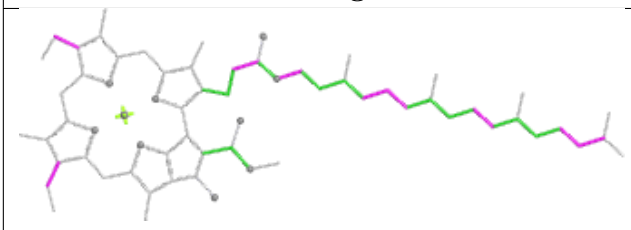
Ligand CLA B 808



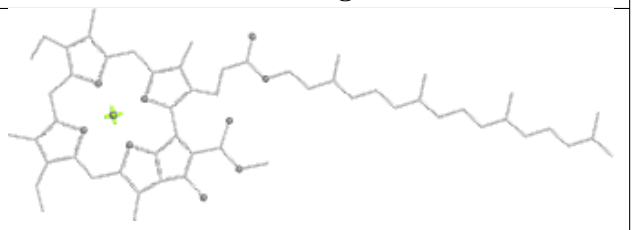
Bond lengths



Bond angles

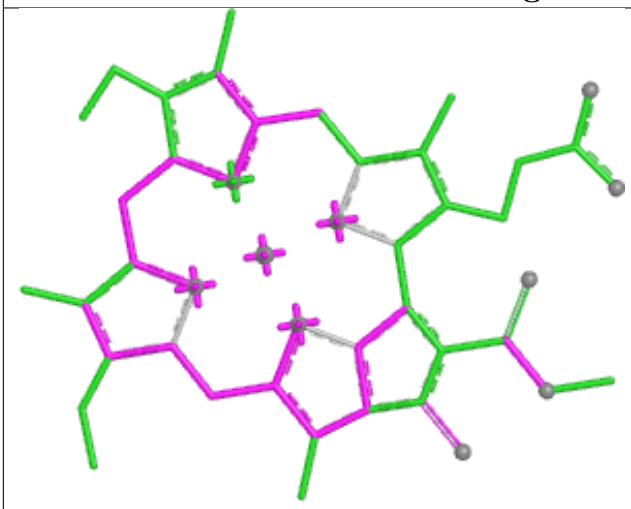


Torsions

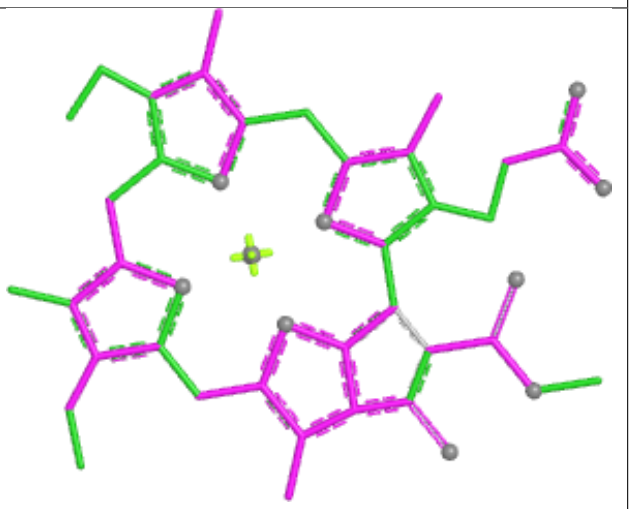


Rings

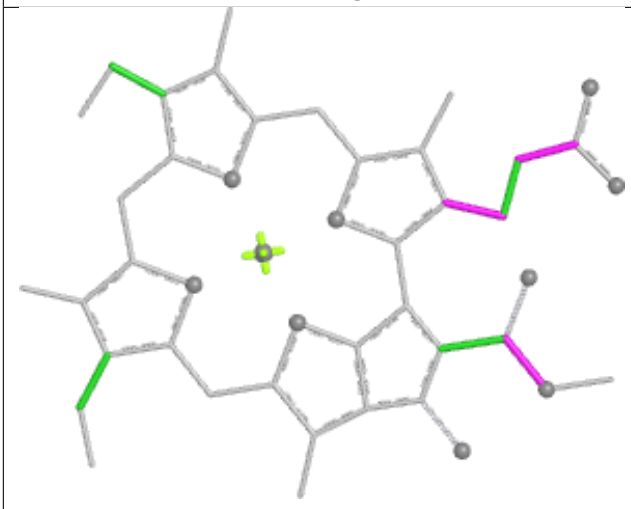
Ligand CLA H 832



Bond lengths



Bond angles

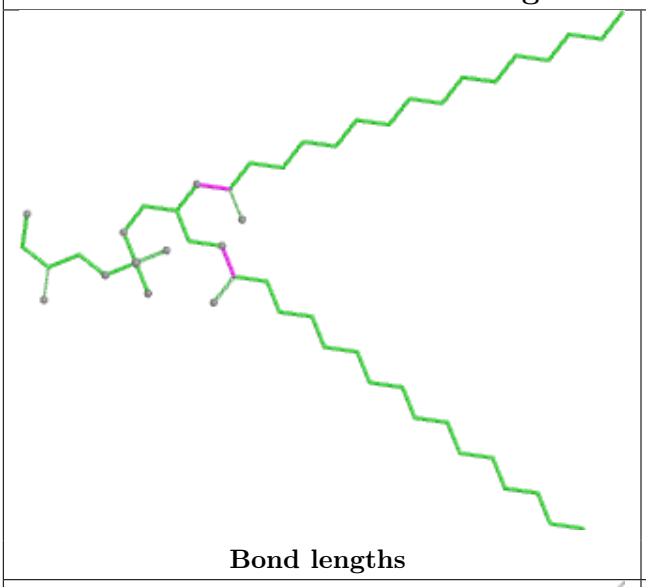


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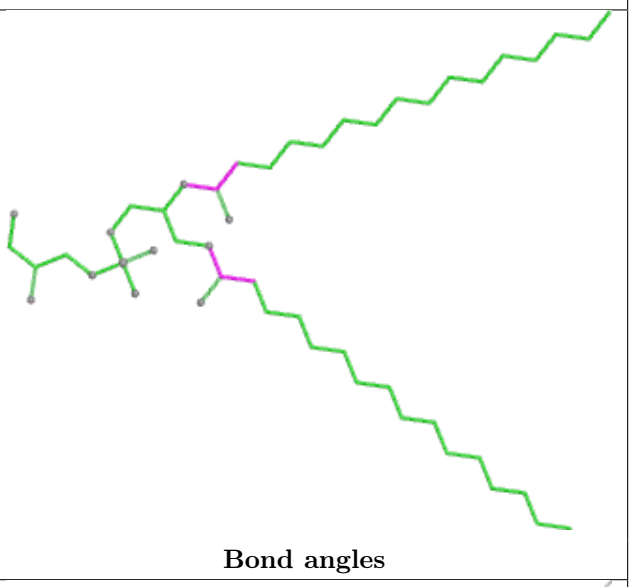


Rings

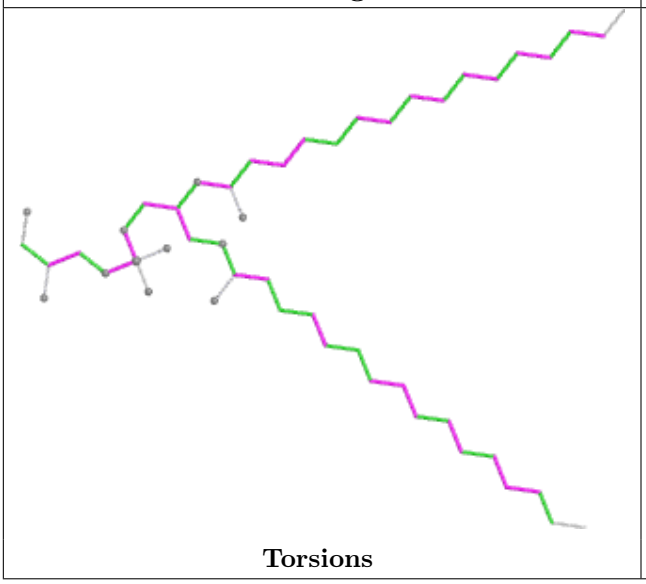
Ligand LHG Y 852



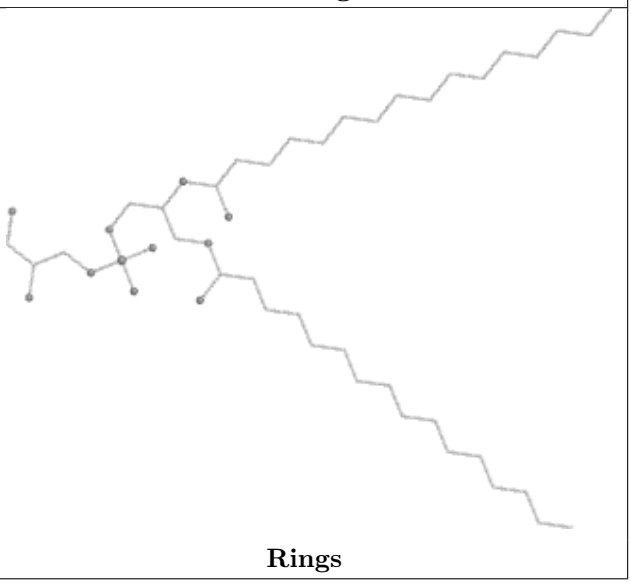
Bond lengths



Bond angles

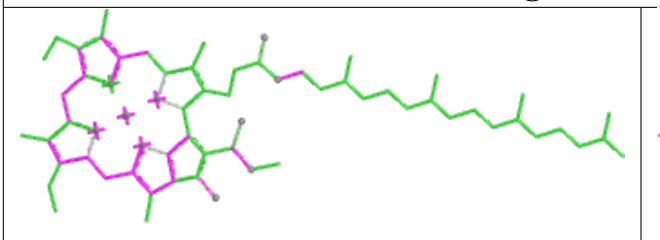


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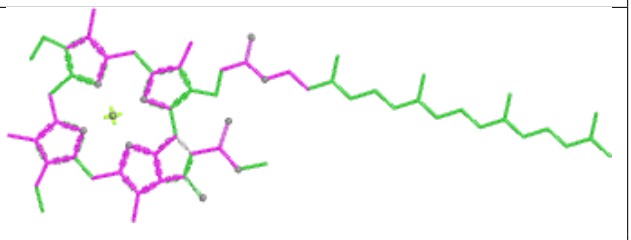


Rings

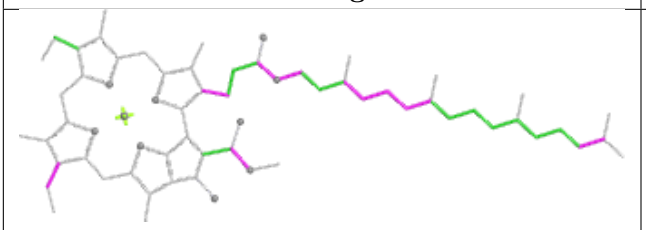
Ligand CLA Y 803



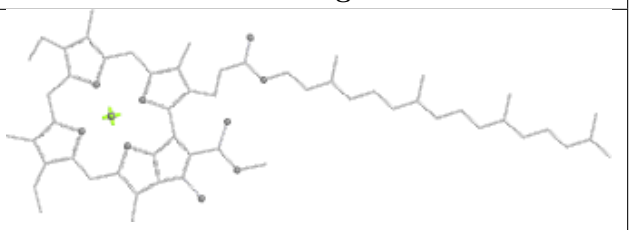
Bond lengths



Bond angles

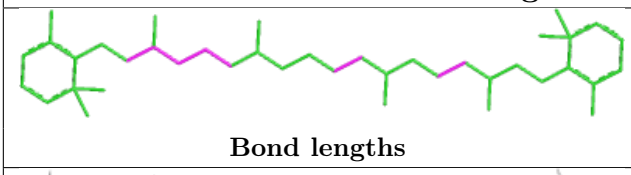


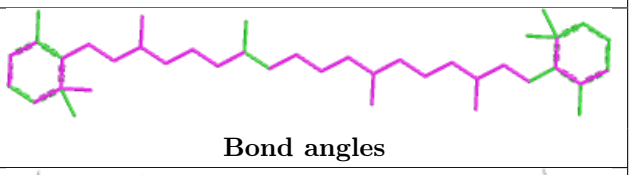
Torsions

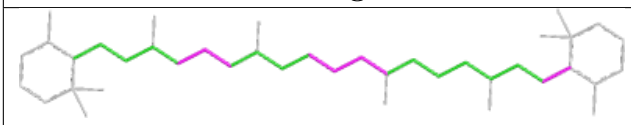


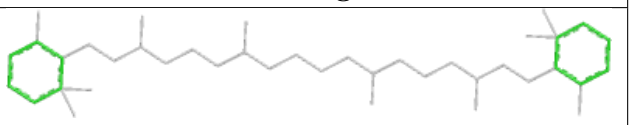
Rings

Ligand BCR H 840

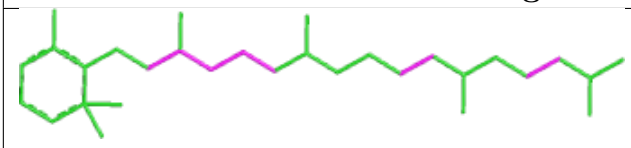

Bond lengths

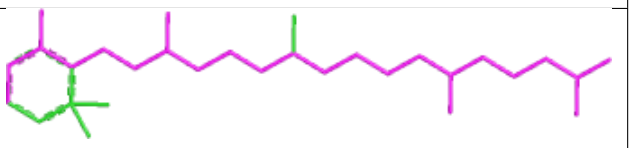

Bond angles

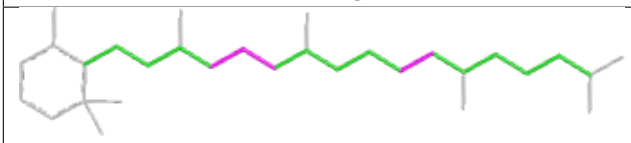

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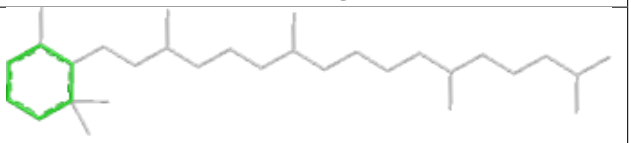

Rings

Ligand BCR B 843

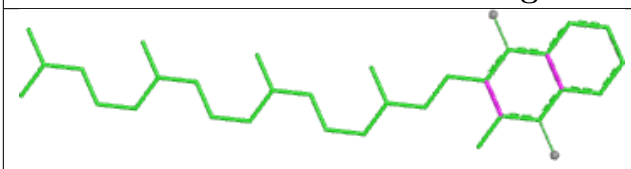

Bond lengths

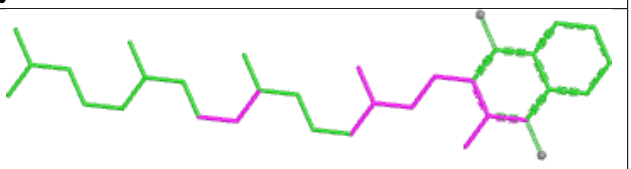

Bond angles

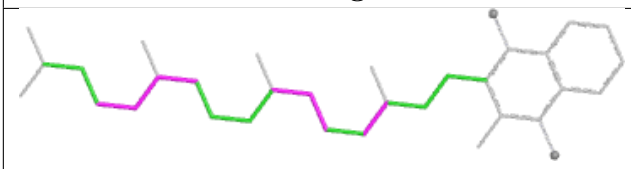

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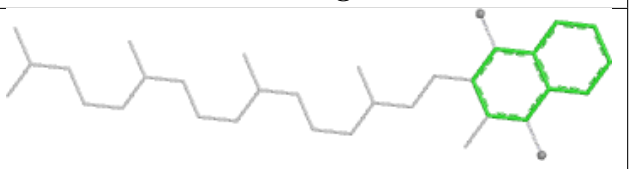

Rings

Ligand PQN G 844

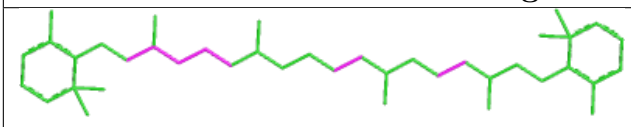

Bond lengths

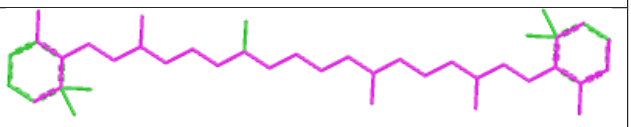

Bond angles

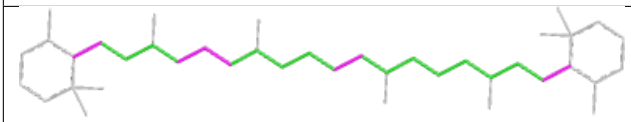

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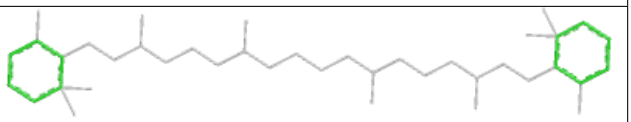

Rings

Ligand BCR G 846

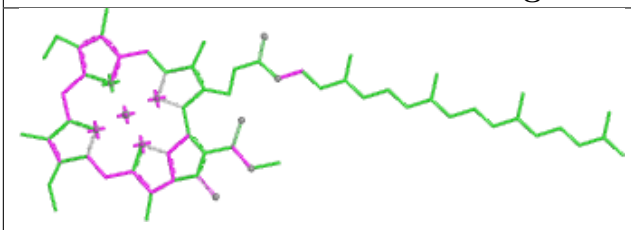

Bond lengths


Bond angles

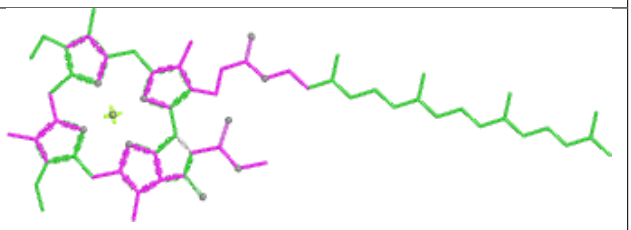

Torsions


Rings

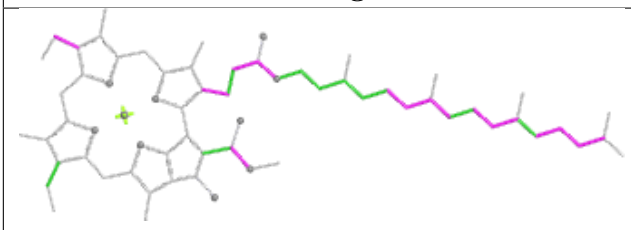
Ligand CLA Y 811



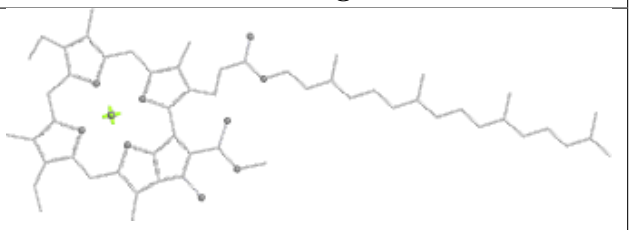
Bond lengths



Bond angles

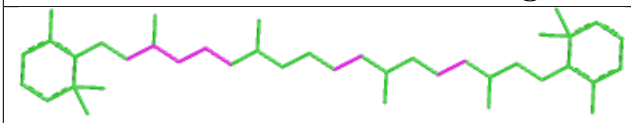


Torsions

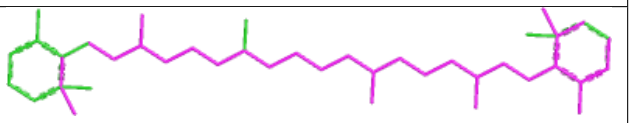


Rings

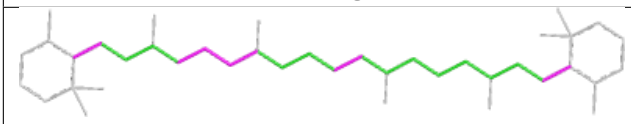
Ligand BCR G 854



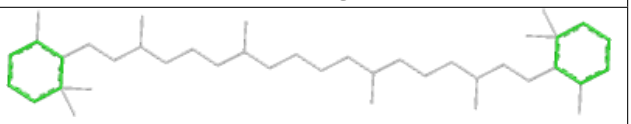
Bond lengths



Bond angles

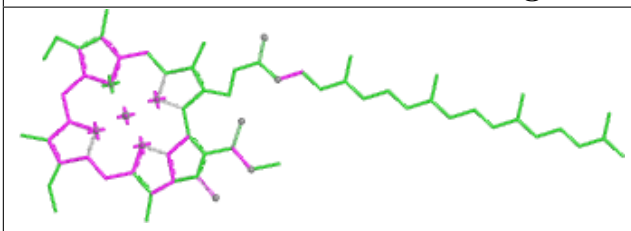


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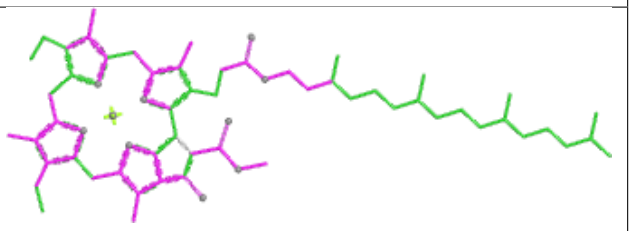


Rings

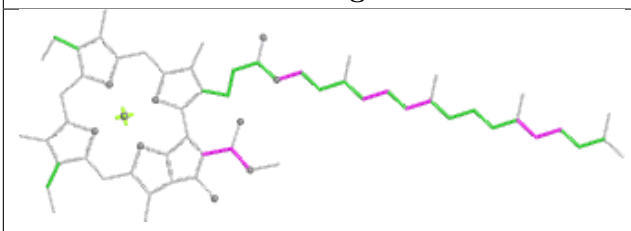
Ligand CLA H 825



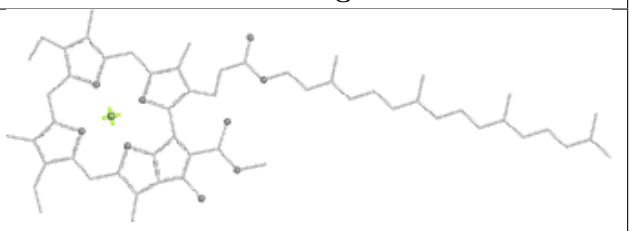
Bond lengths



Bond angles

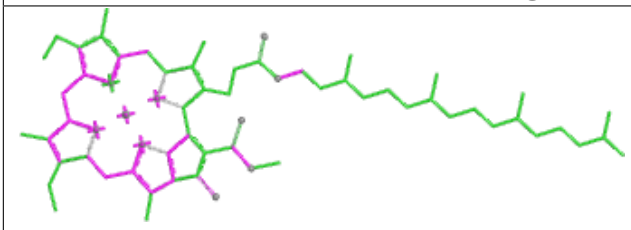


Torsions

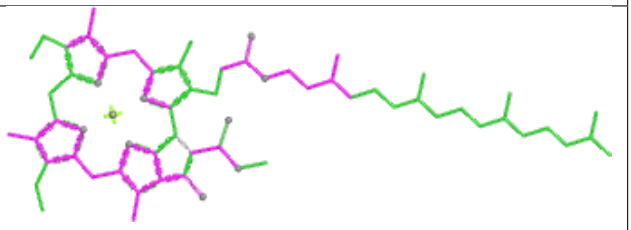


Rings

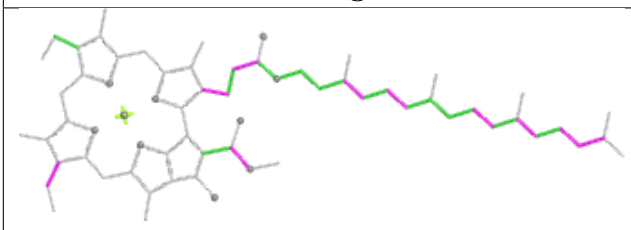
Ligand CLA Y 828



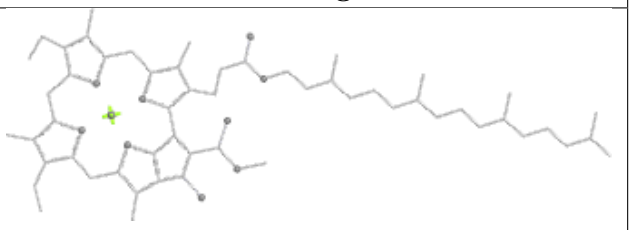
Bond lengths



Bond angles

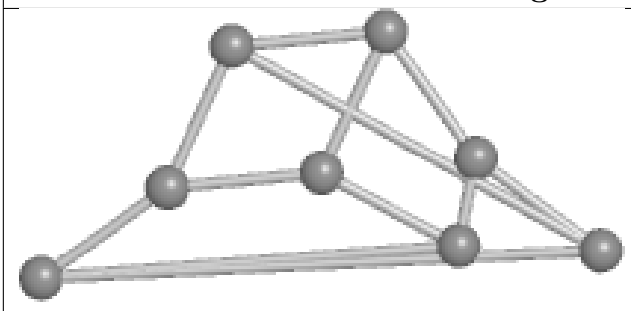


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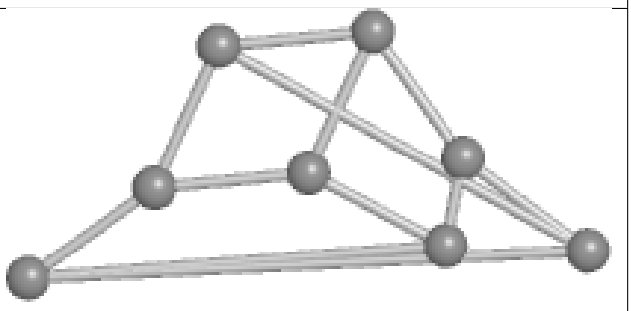


Rings

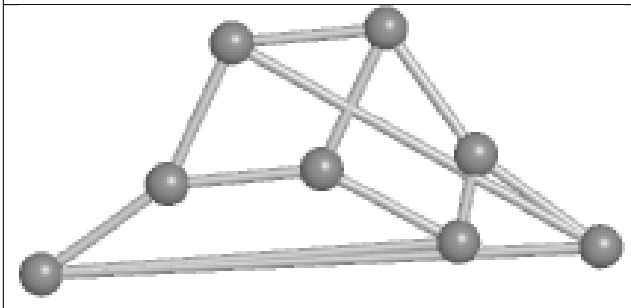
Ligand SF4 A 844



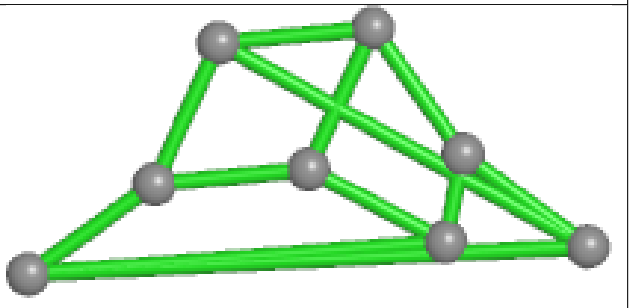
Bond lengths



Bond angles

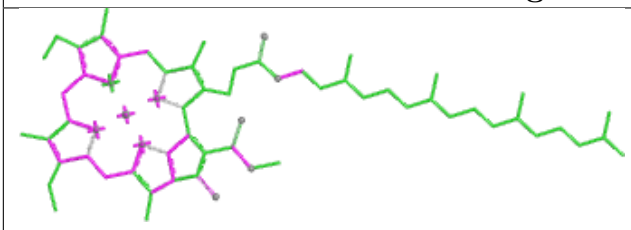


Torsions

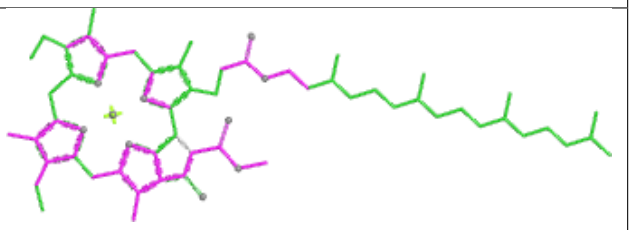


Rings

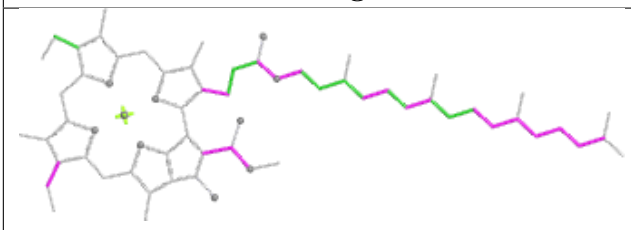
Ligand CLA L 205



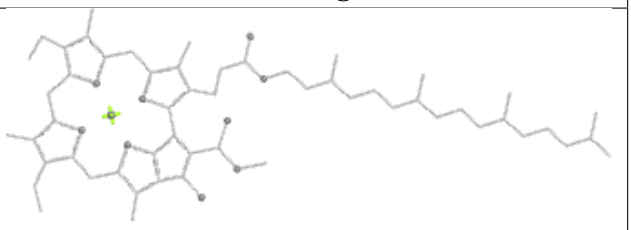
Bond lengths



Bond angles

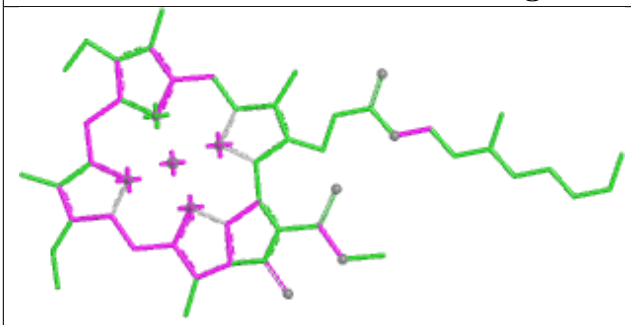


Torsions

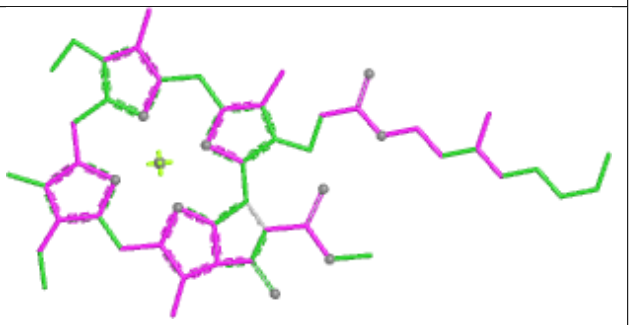


Rings

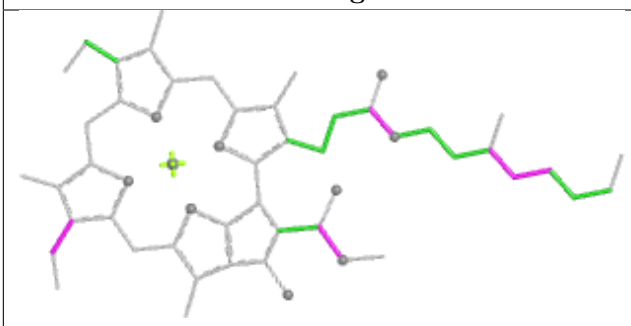
Ligand CLA A 812



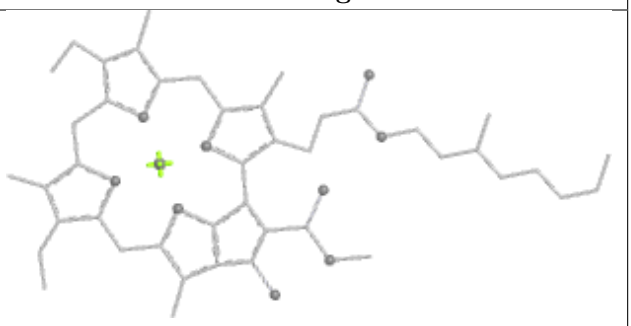
Bond lengths



Bond angles

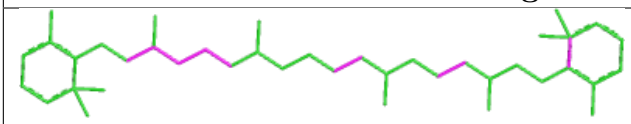


Torsions

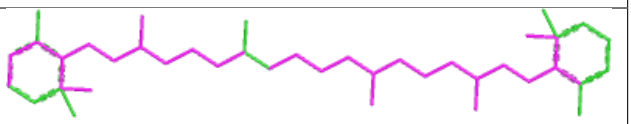


Rings

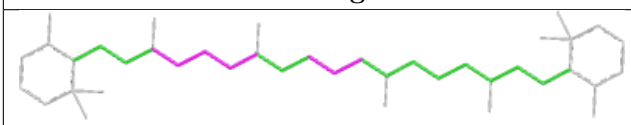
Ligand BCR H 845



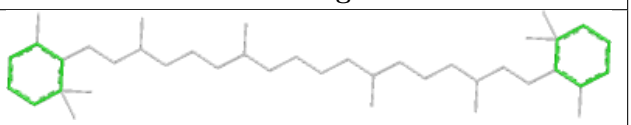
Bond lengths



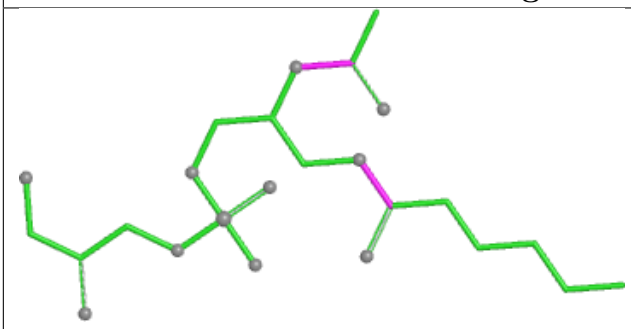
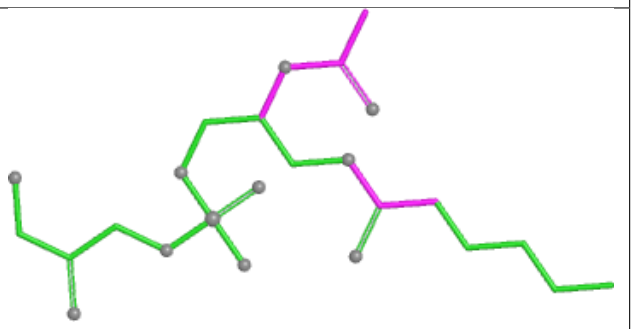
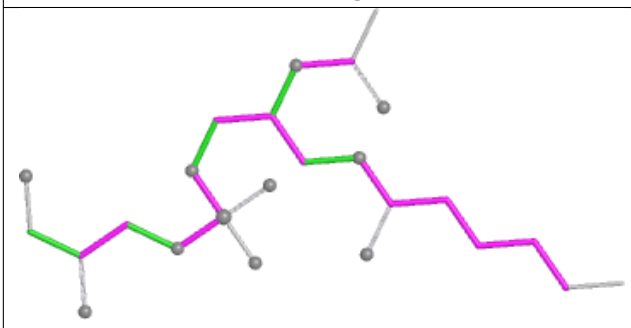
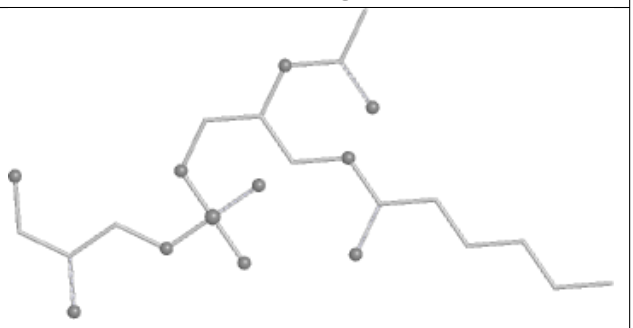
Bond angles

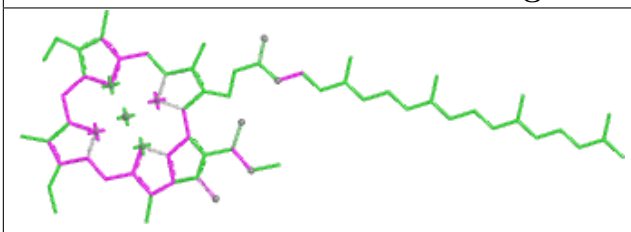
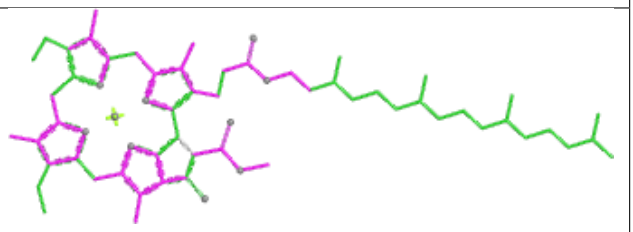
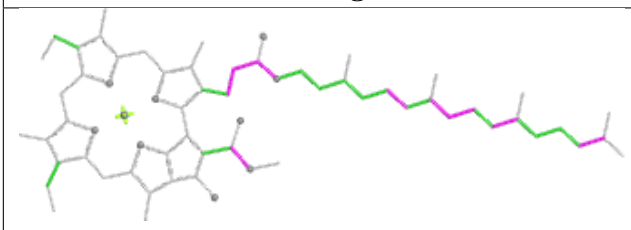
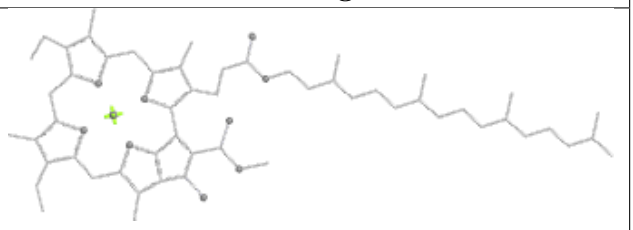


Torsions

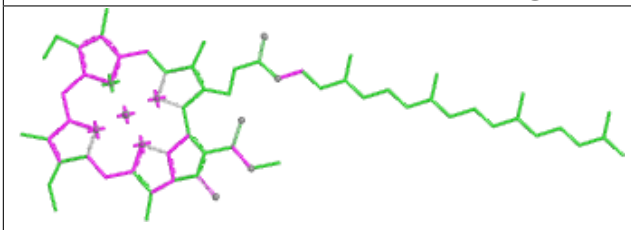


Rings

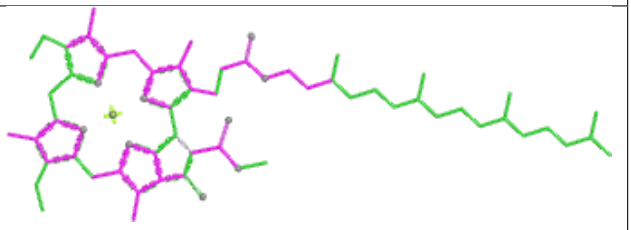
Ligand LHG Y 853	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA A 822	
 Bond lengths	 Bond angles
 Torsions	 Rings

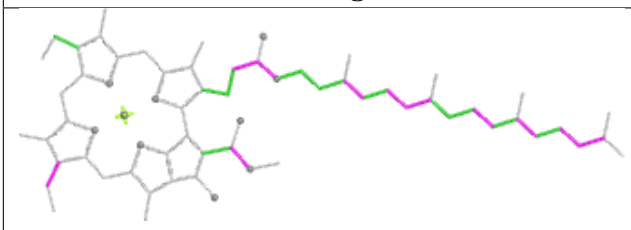
Ligand CLA L 207



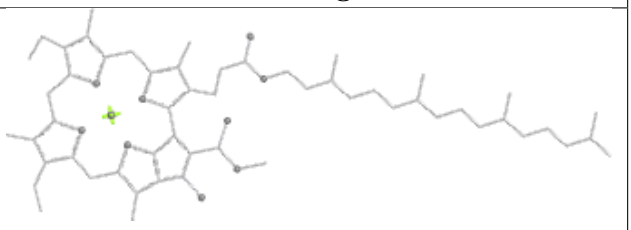
Bond lengths



Bond angles

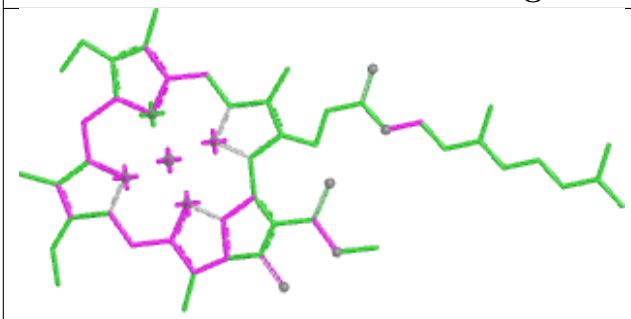


Torsions

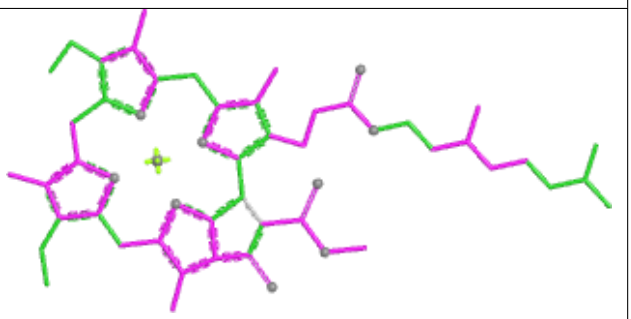


Rings

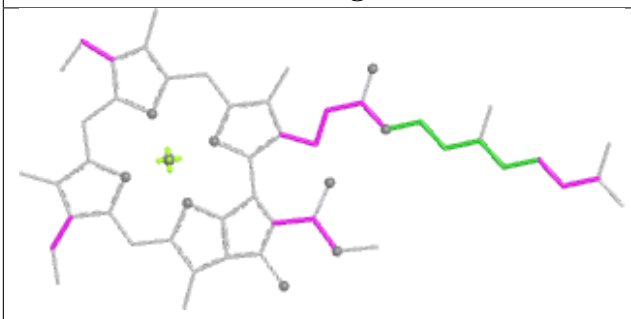
Ligand CLA B 811



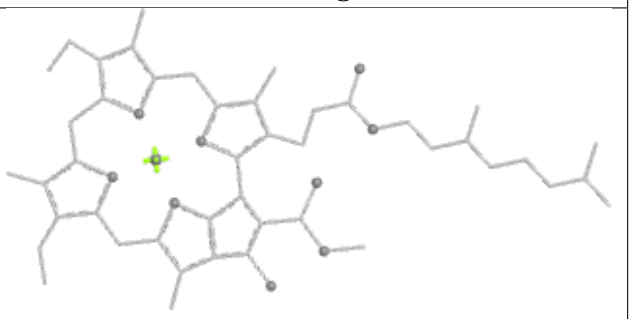
Bond lengths



Bond angles

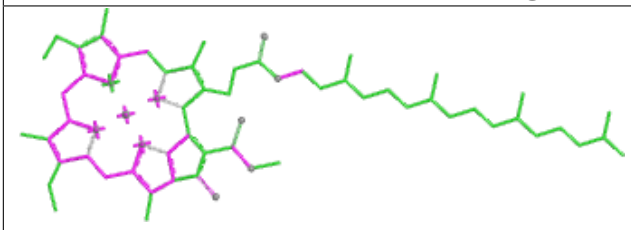


Torsions

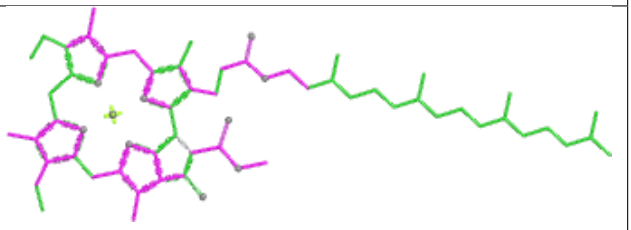


Rings

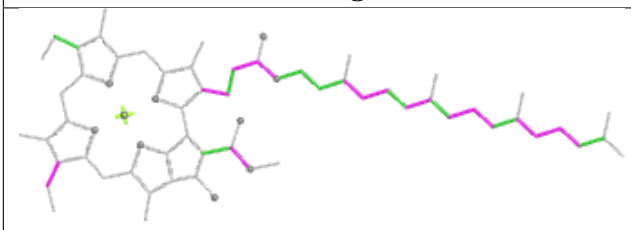
Ligand CLA A 806



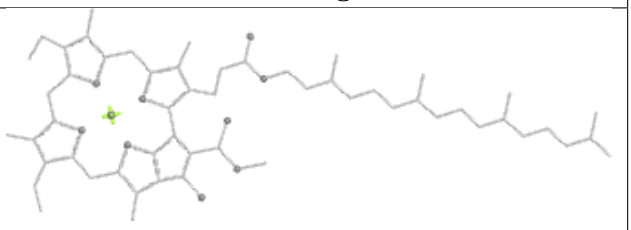
Bond lengths



Bond angles

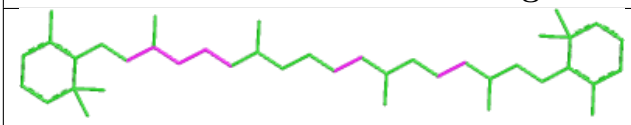


Torsions

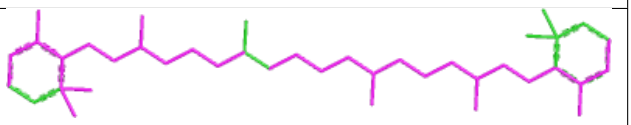


Rings

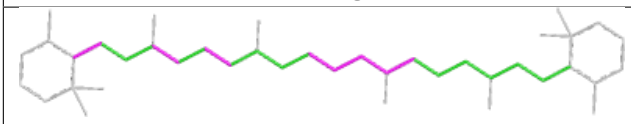
Ligand BCR Y 848



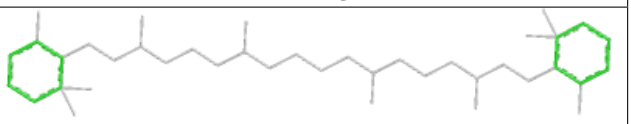
Bond lengths



Bond angles

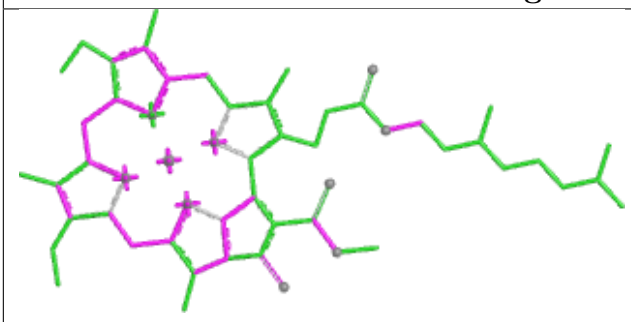


Torsions

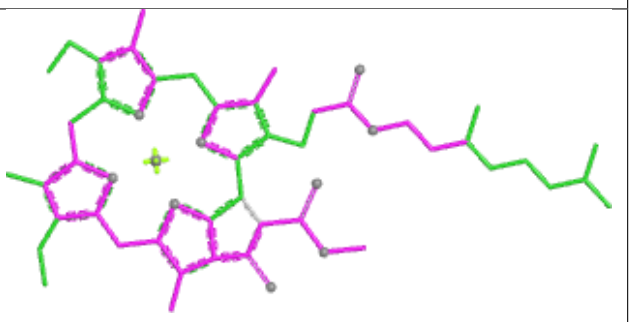


Rings

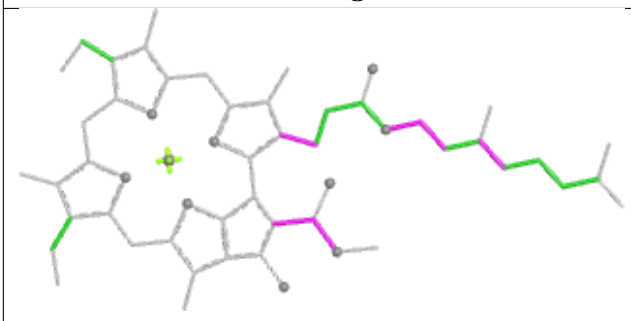
Ligand CLA B 824



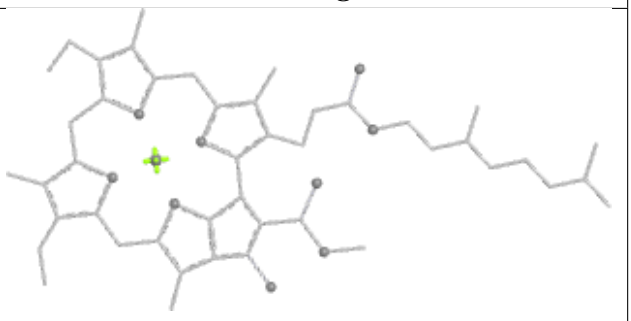
Bond lengths



Bond angles

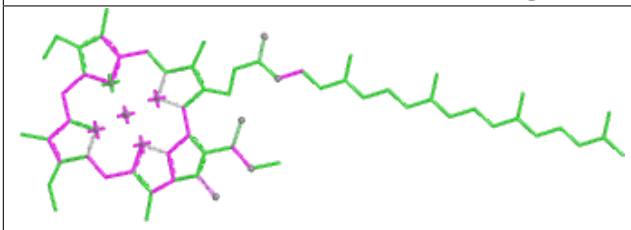


Torsions

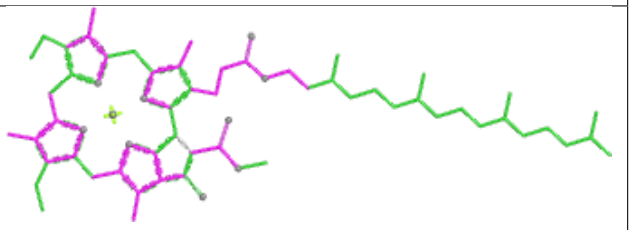


Rings

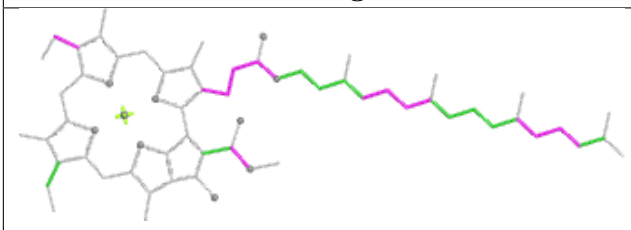
Ligand CLA G 811



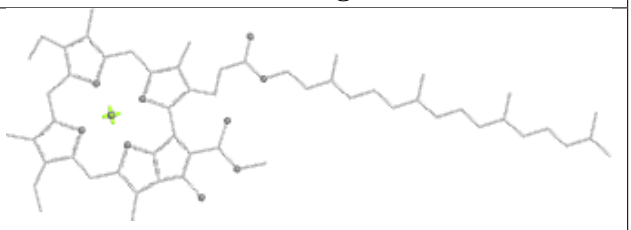
Bond lengths



Bond angles

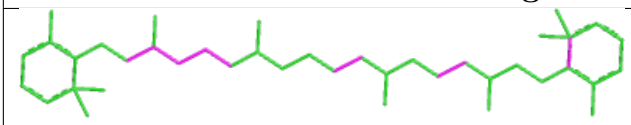


Torsions



Rings

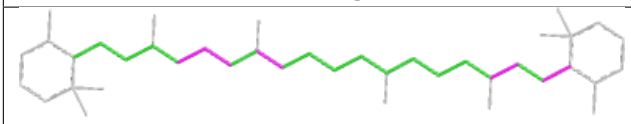
Ligand BCR Q 204



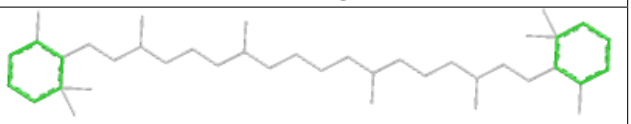
Bond lengths



Bond angles

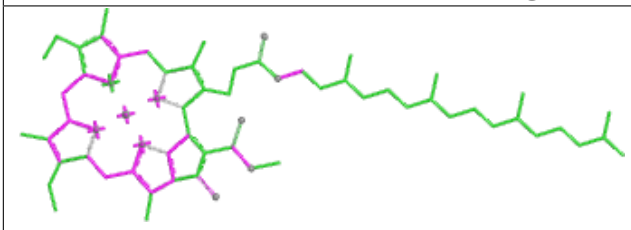


Torsions

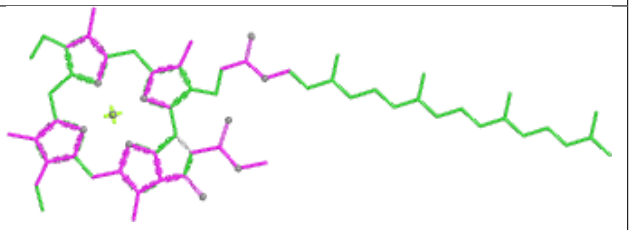


Rings

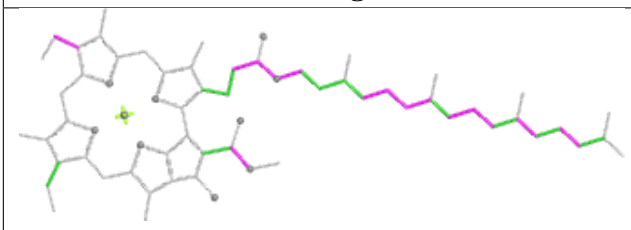
Ligand CLA H 835



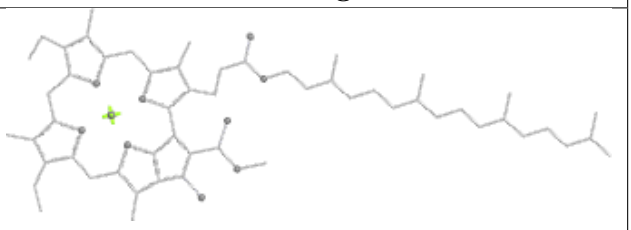
Bond lengths



Bond angles

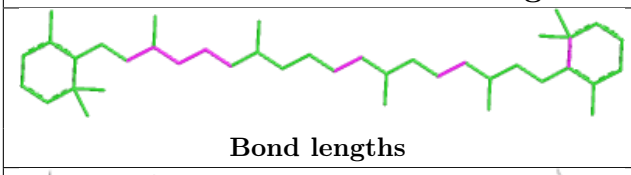


Torsions

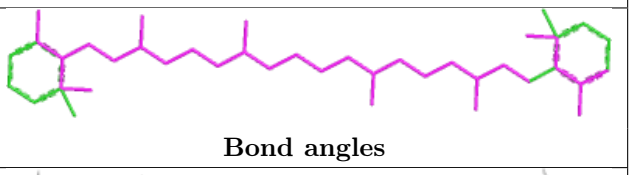


Rings

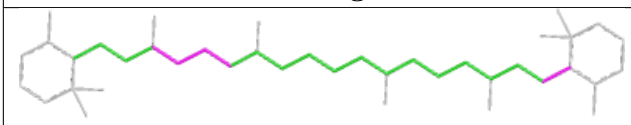
Ligand BCR Z 842



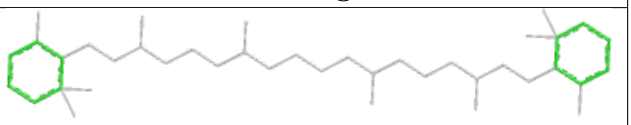
Bond lengths



Bond angles

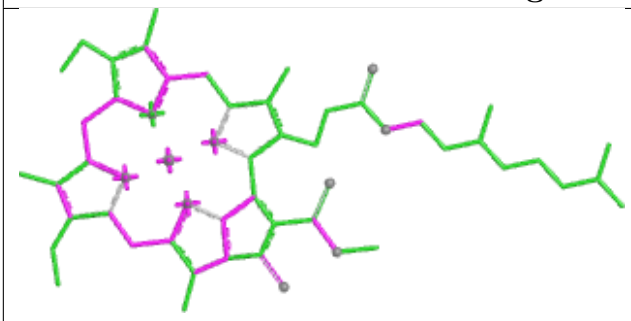


Torsions

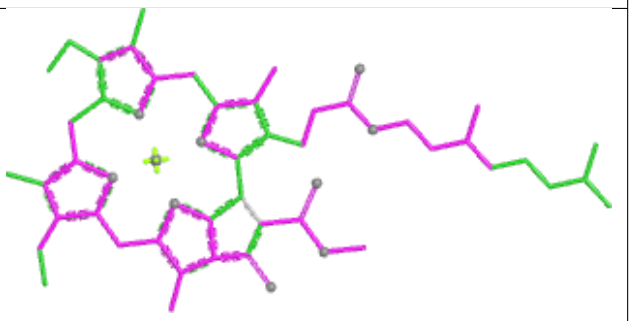


Rings

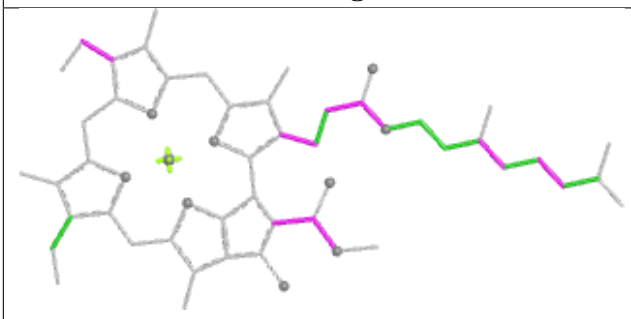
Ligand CLA Z 831



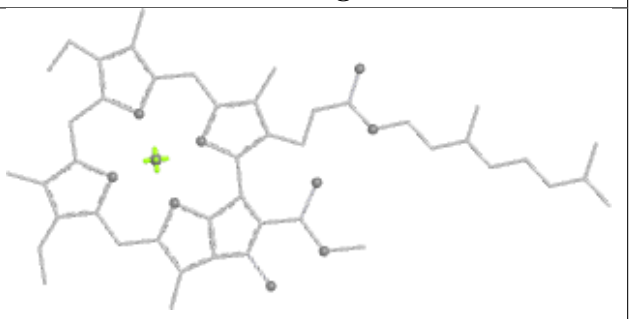
Bond lengths



Bond angles

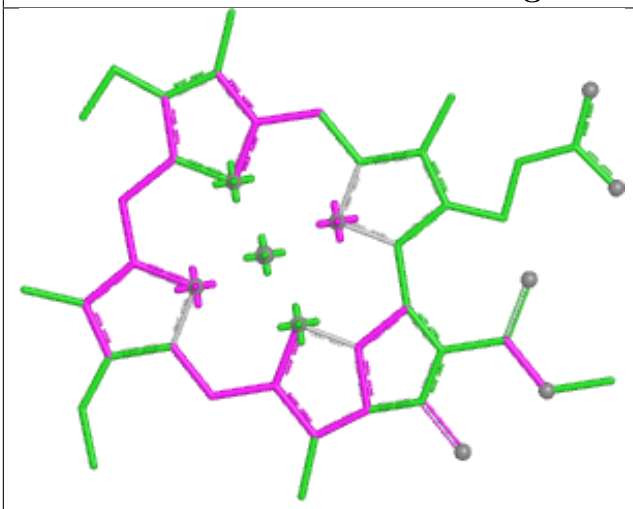


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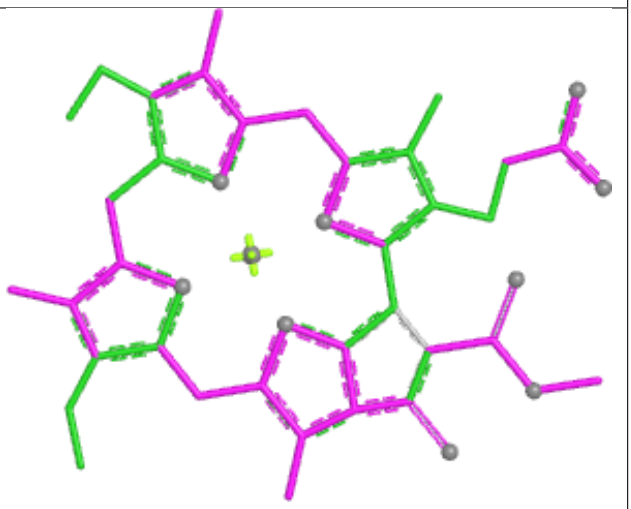


Rings

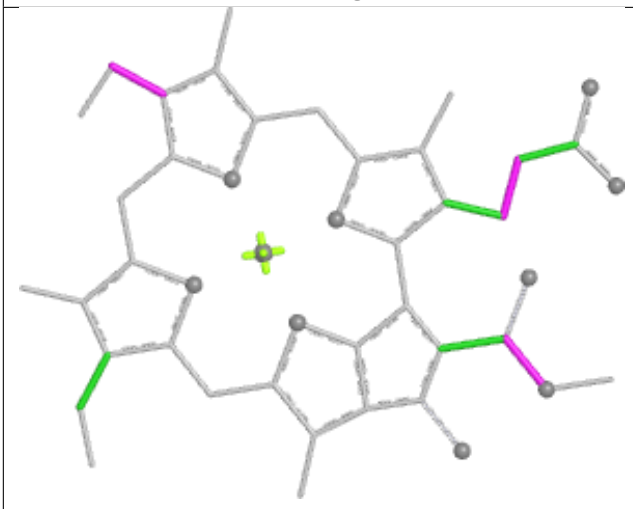
Ligand CLA Y 836



Bond lengths



Bond angles

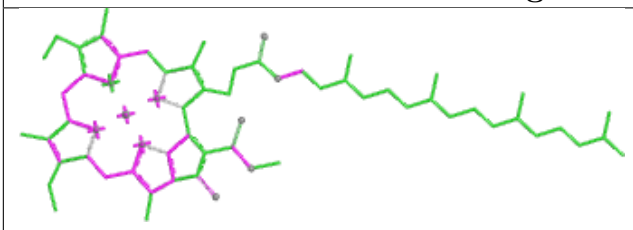


Torsions

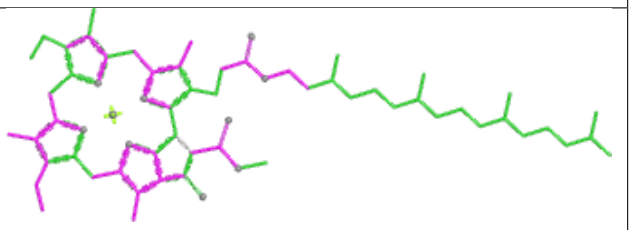


Rings

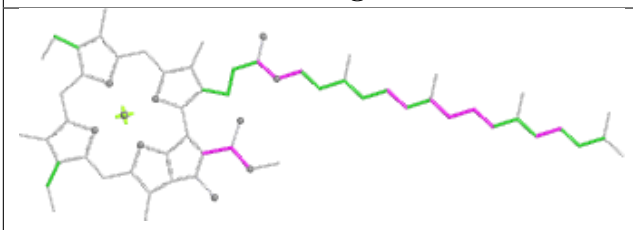
Ligand CLA Z 827



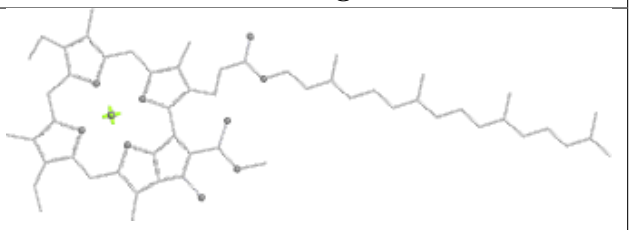
Bond lengths



Bond angles

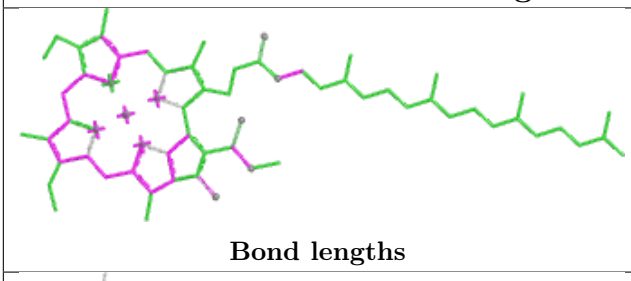


Torsions

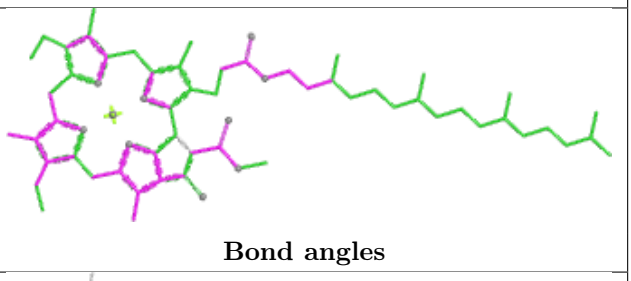


Rings

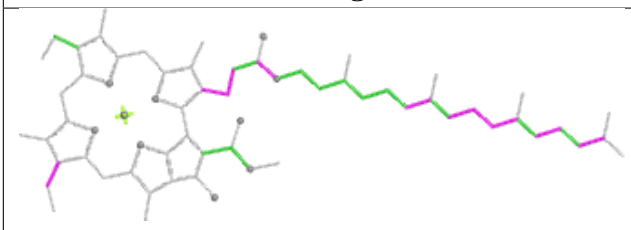
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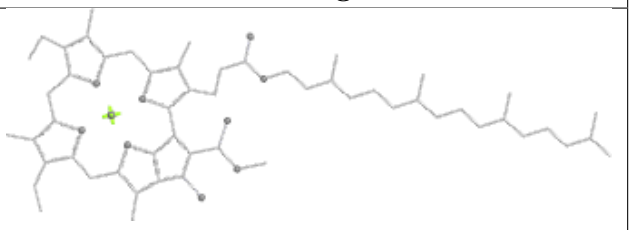
Bond lengths



Bond angles

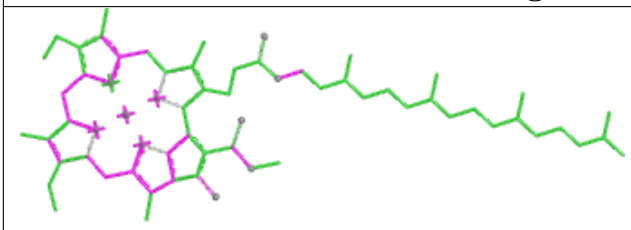


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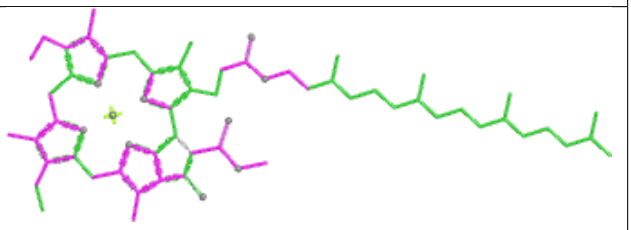


Rings

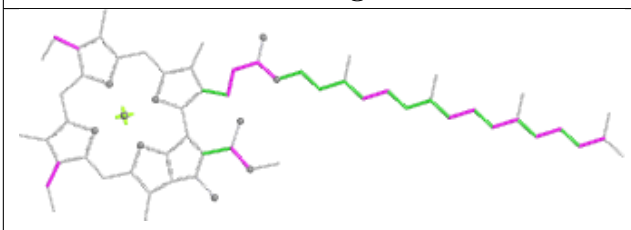
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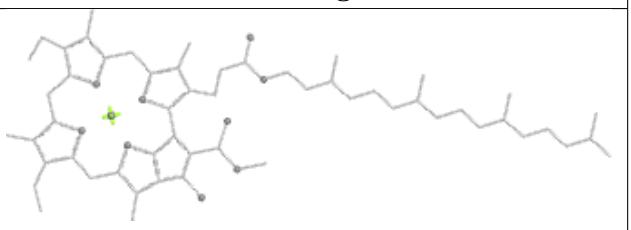
Bond lengths



Bond angles

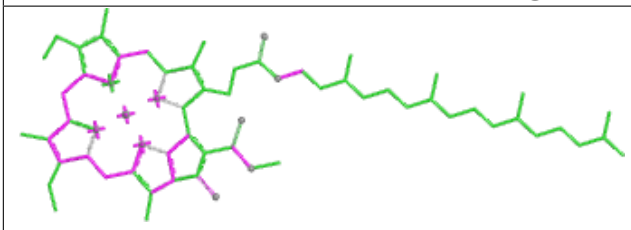


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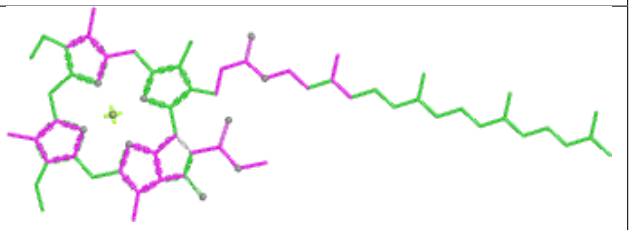


Rings

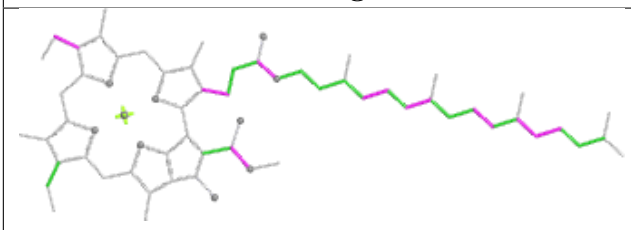
Ligand CLA L 206



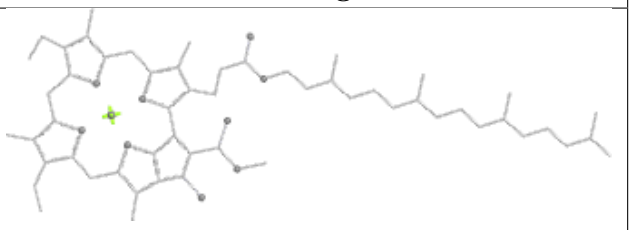
Bond lengths



Bond angles

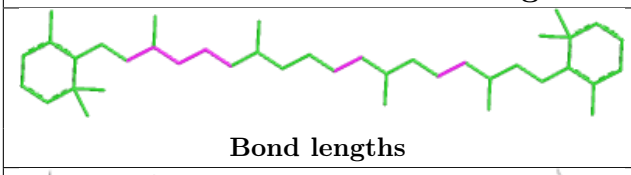


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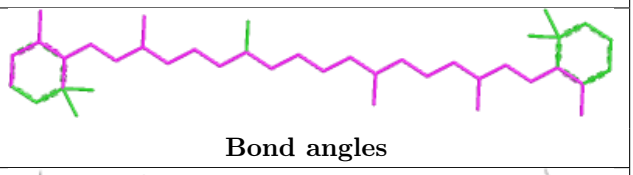


Rings

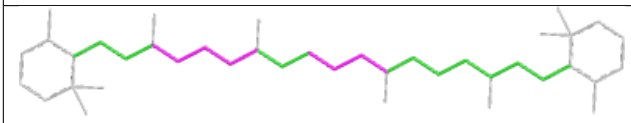
Ligand BCR G 847



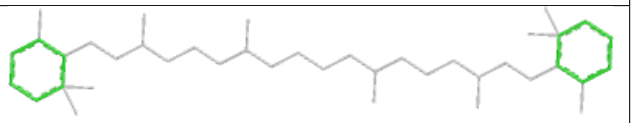
Bond lengths



Bond angles

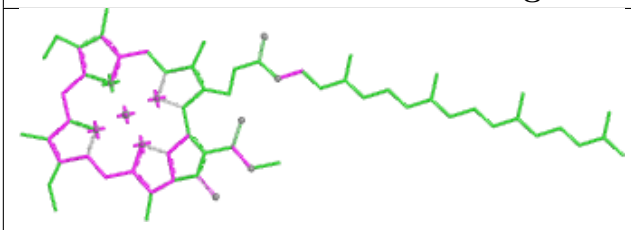


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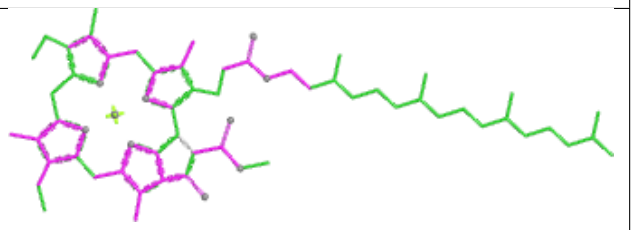


Rings

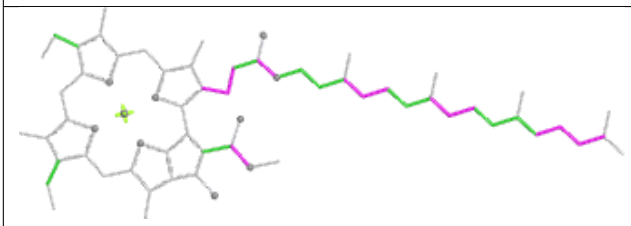
Ligand CLA Y 821



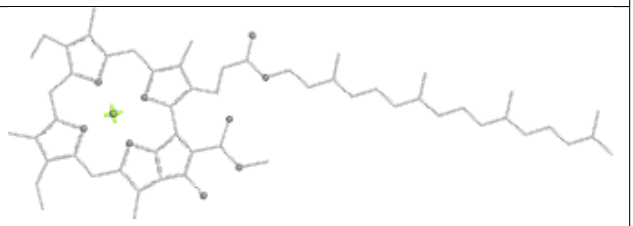
Bond lengths



Bond angles

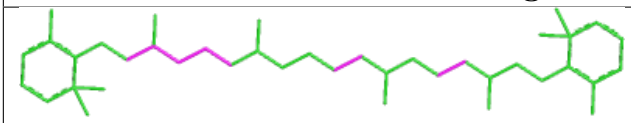


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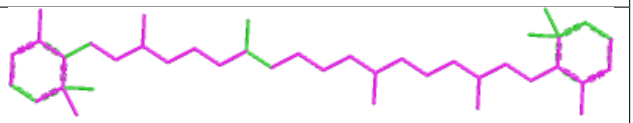


Rings

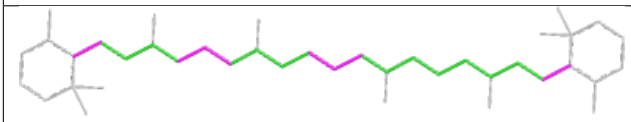
Ligand BCR B 851



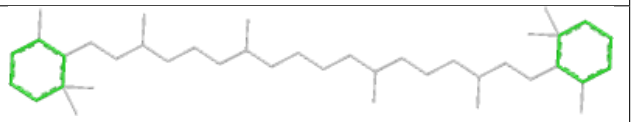
Bond lengths



Bond angles

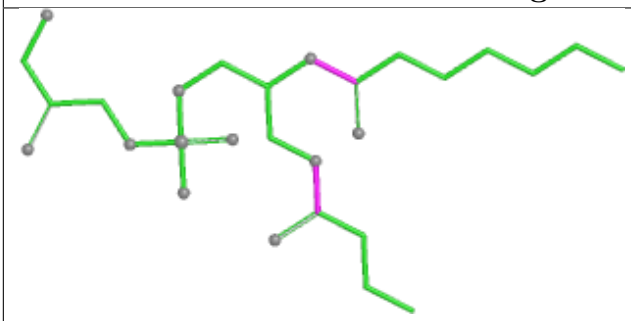


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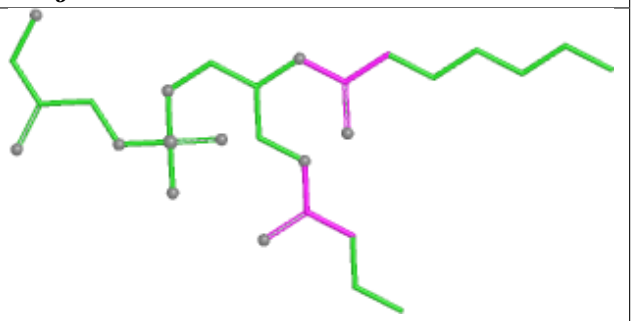


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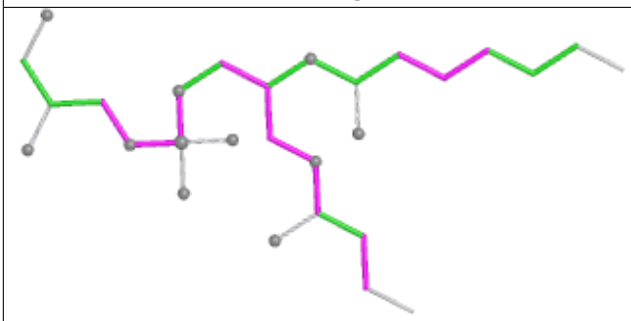
Ligand LHG j 101



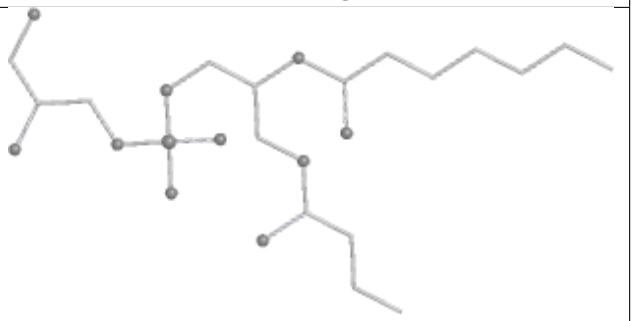
Bond lengths



Bond angles

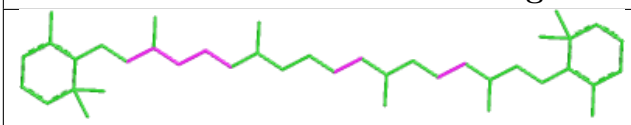


Torsions



Rings

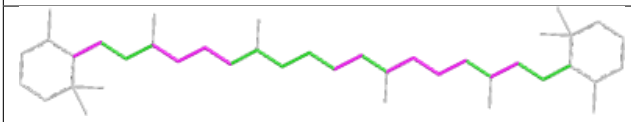
Ligand BCR J 104



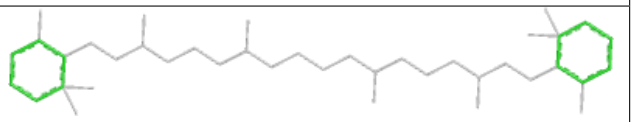
Bond lengths



Bond angles

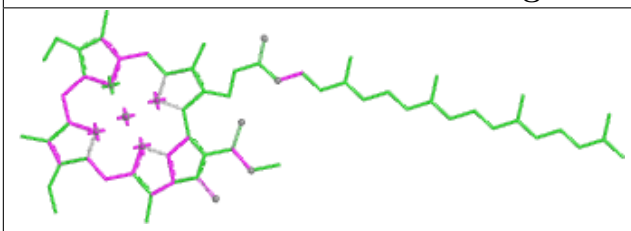


Torsions

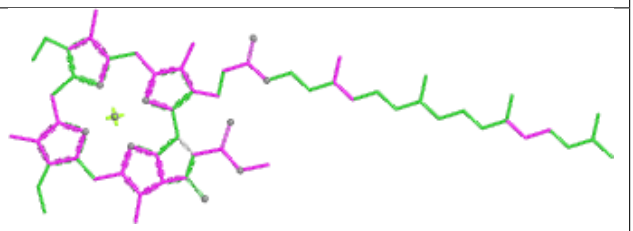


Rings

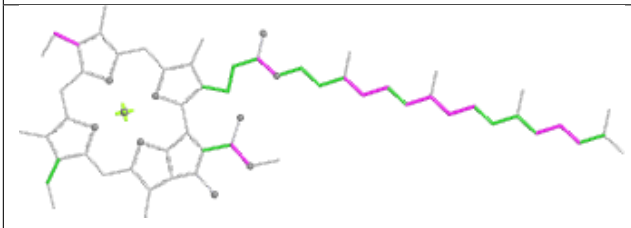
Ligand CLA G 832



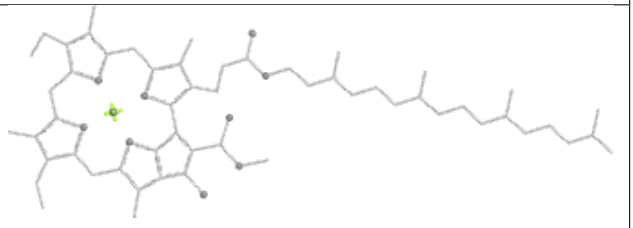
Bond lengths



Bond angles

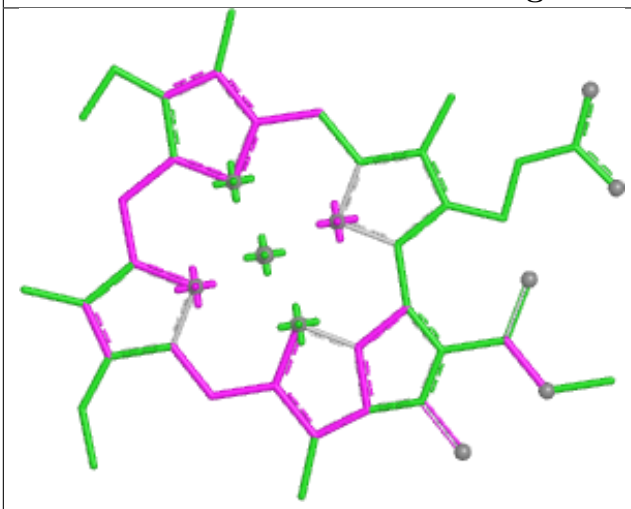


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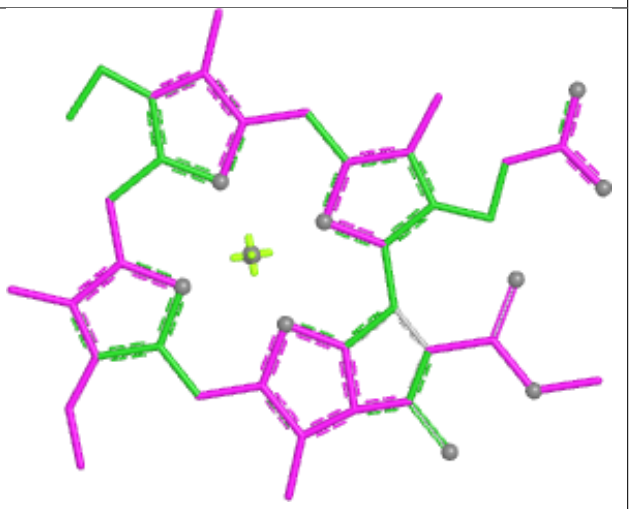


Rings

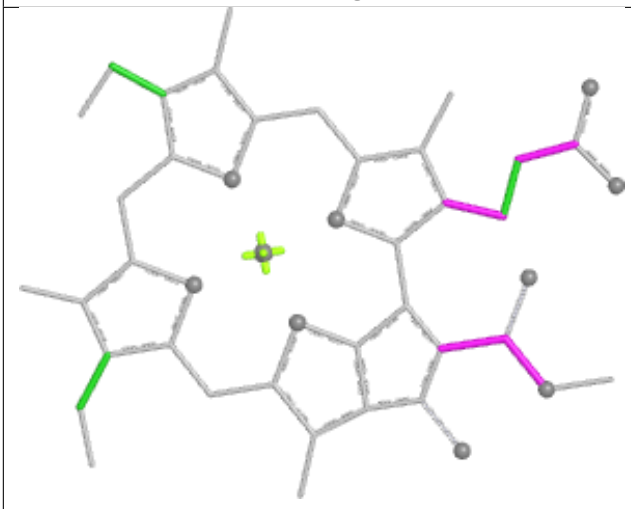
Ligand CLA Z 819



Bond lengths



Bond angles

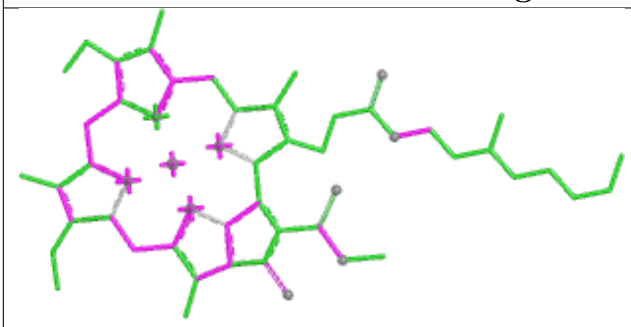


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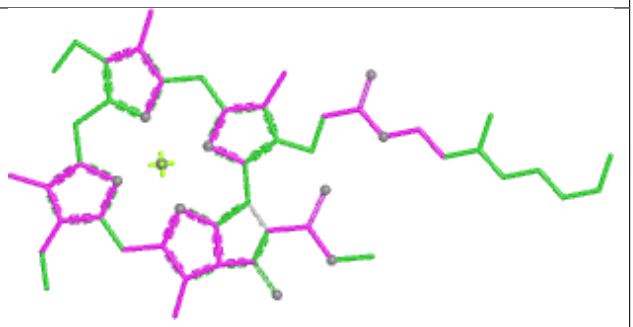


Rings

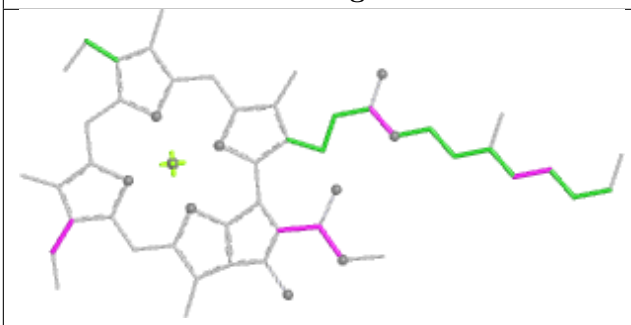
Ligand CLA V 1201



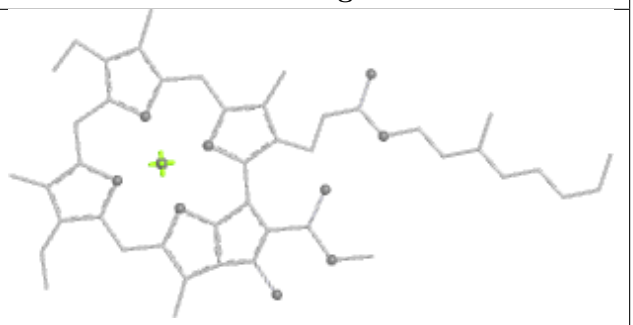
Bond lengths



Bond angles

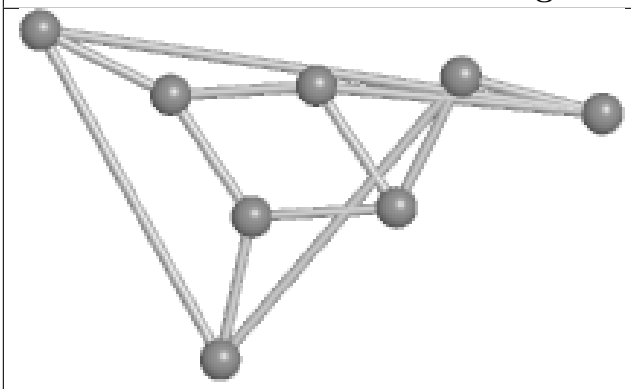


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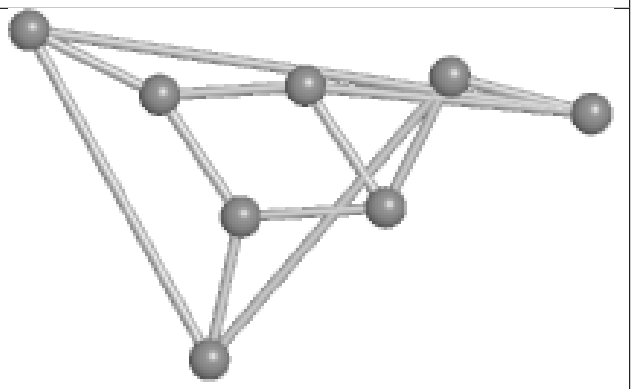


Rings

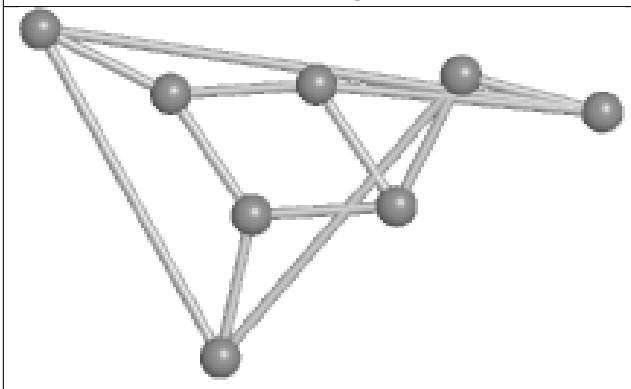
Ligand SF4 a 101



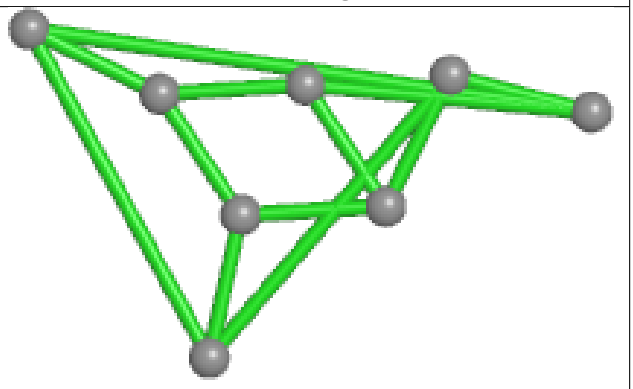
Bond lengths



Bond angles

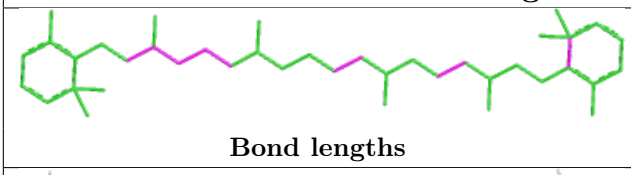


Torsions

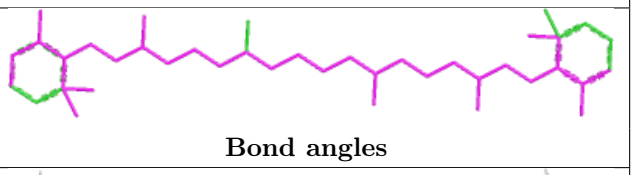


Rings

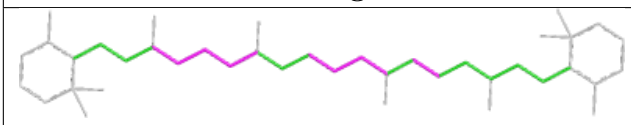
Ligand BCR Y 856



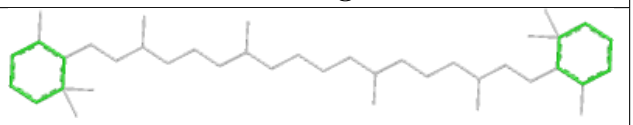
Bond lengths



Bond angles

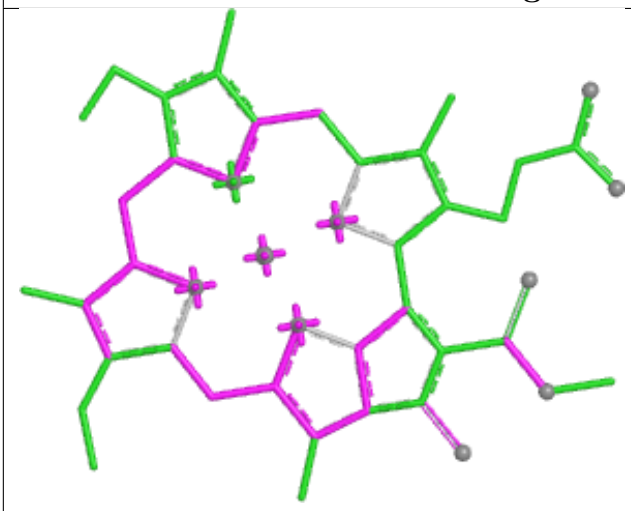


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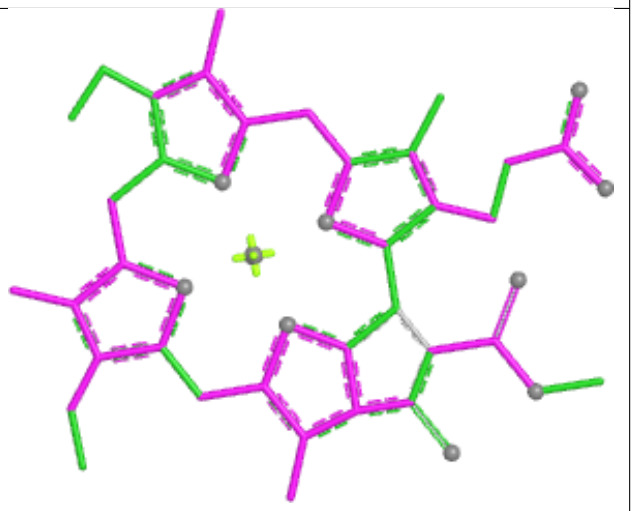


Rings

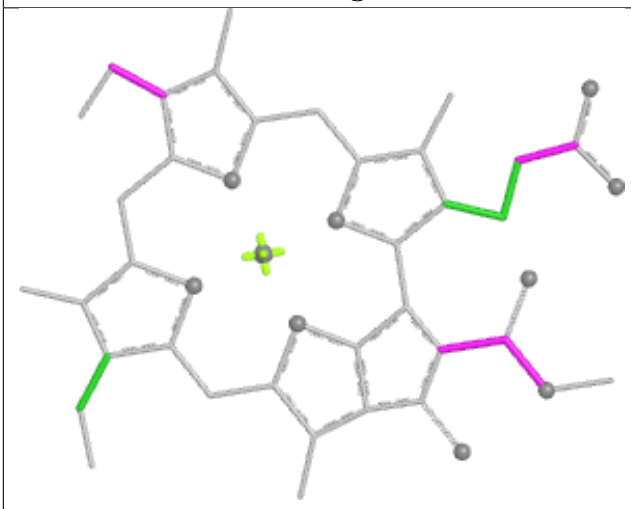
Ligand CLA H 829



Bond lengths



Bond angles

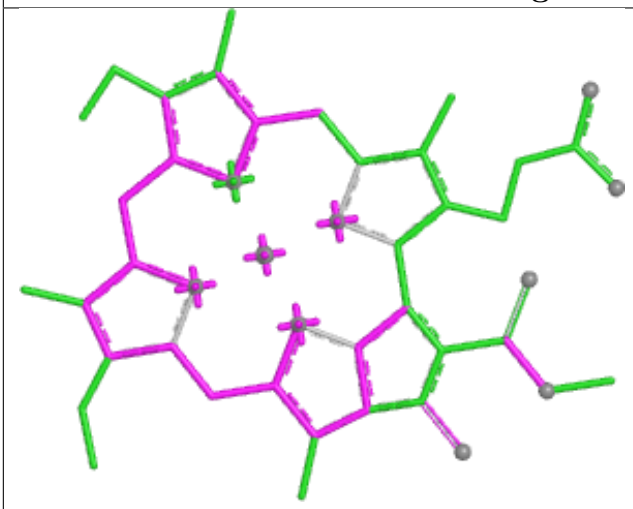


Torsions

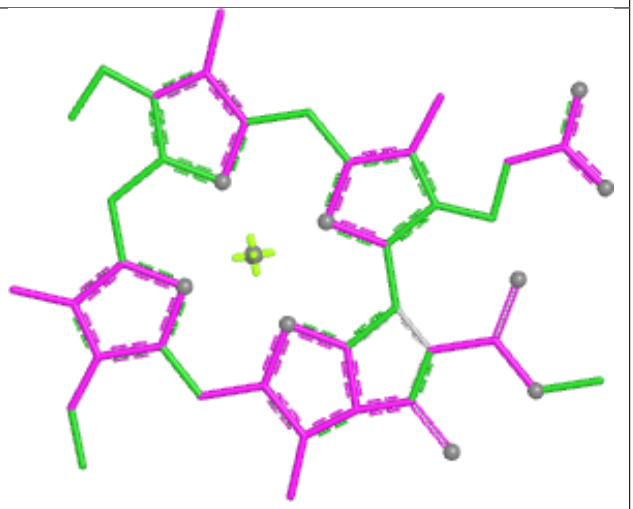


Rings

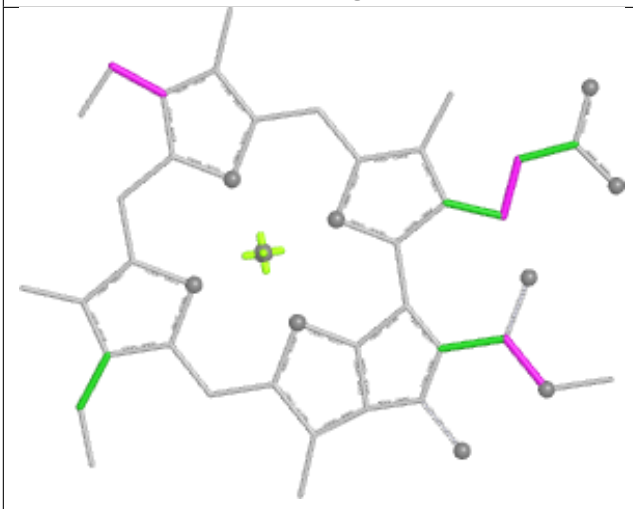
Ligand CLA f 101



Bond lengths



Bond angles

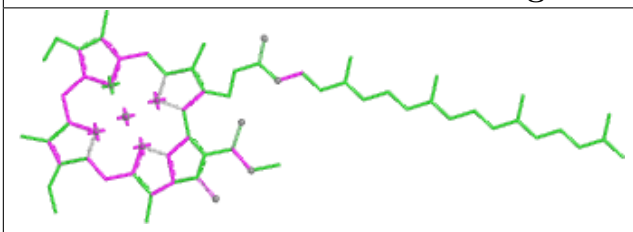


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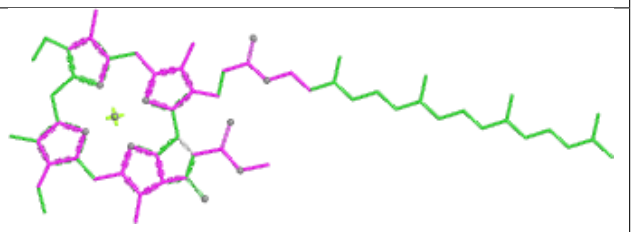


Rings

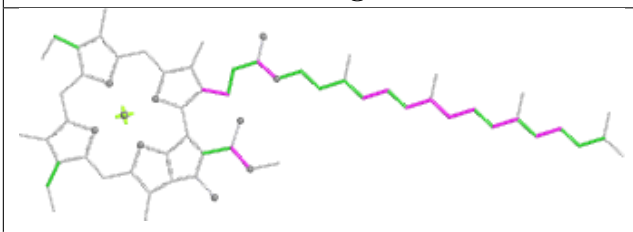
Ligand CLA h 206



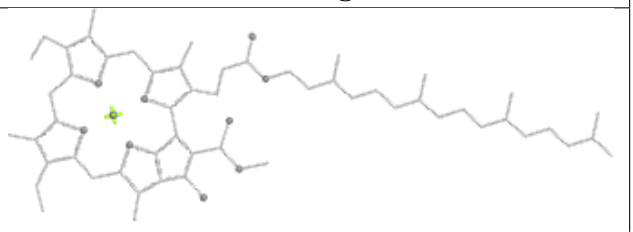
Bond lengths



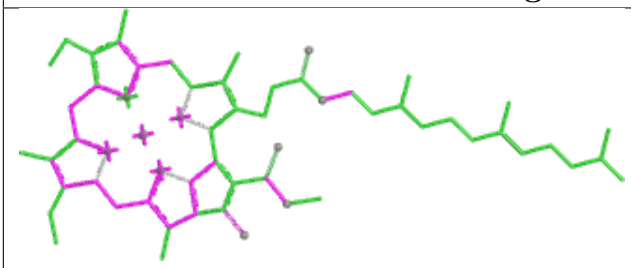
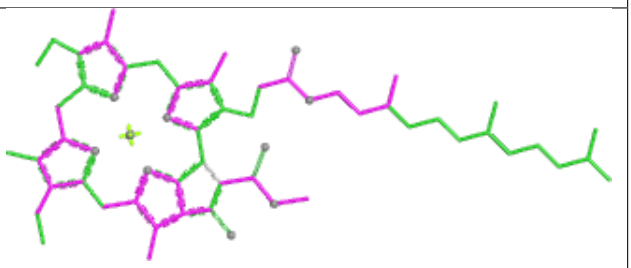
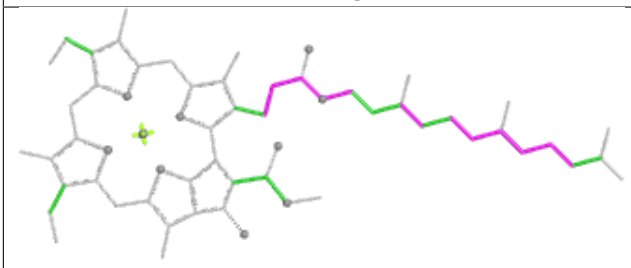
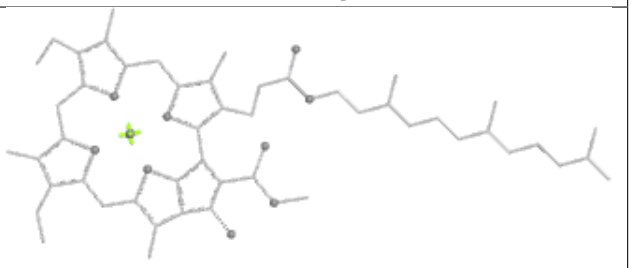
Bond angles

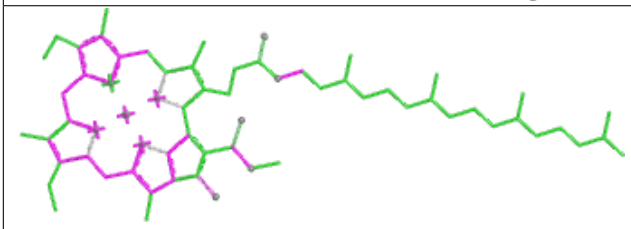
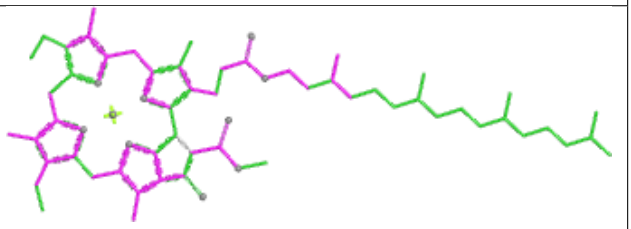
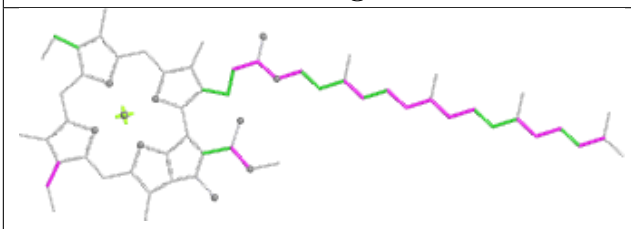
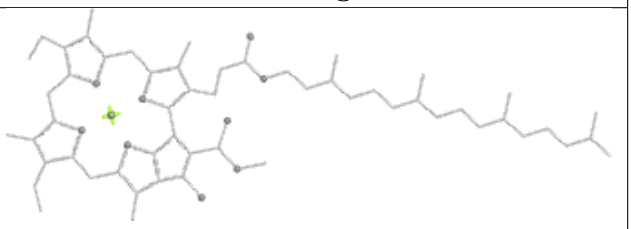


Torsions

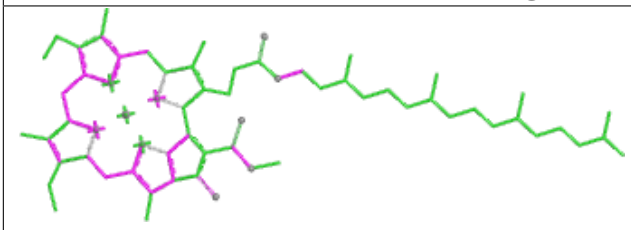


Rings

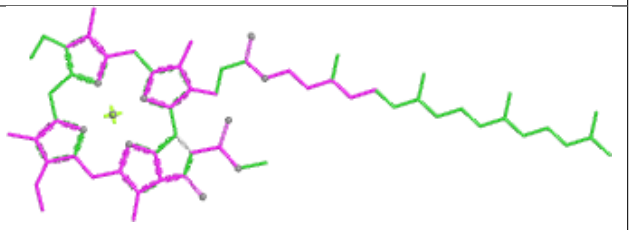
Ligand CLA B 823	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 814	
	
Bond lengths	Bond angles
	
Torsions	Rings

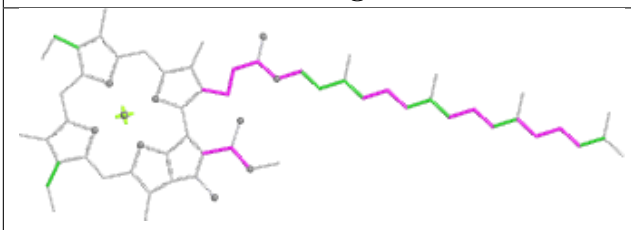
Ligand CLA G 805



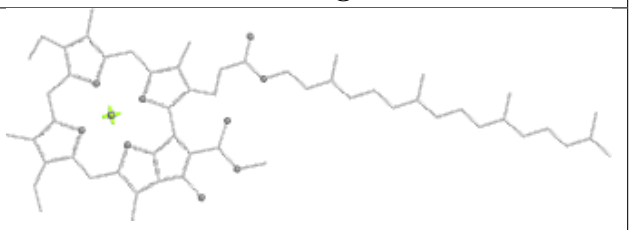
Bond lengths



Bond angles

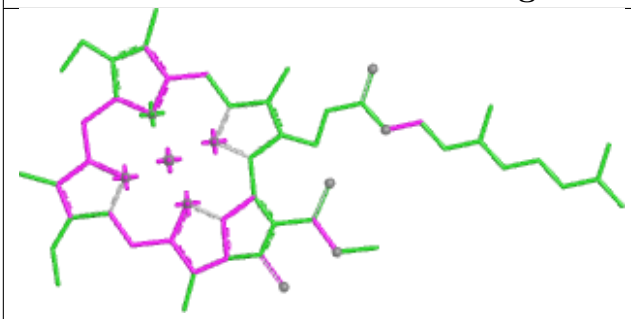


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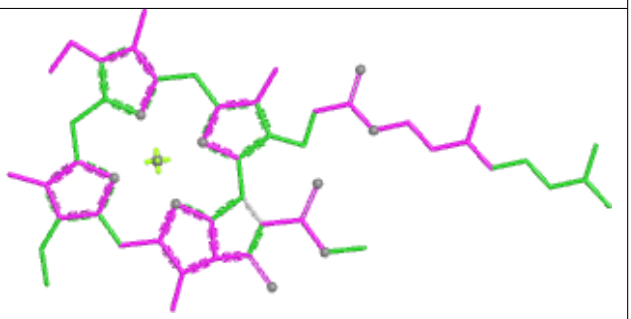


Rings

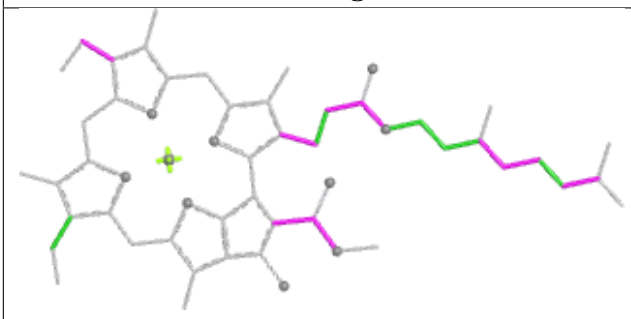
Ligand CLA S 1103



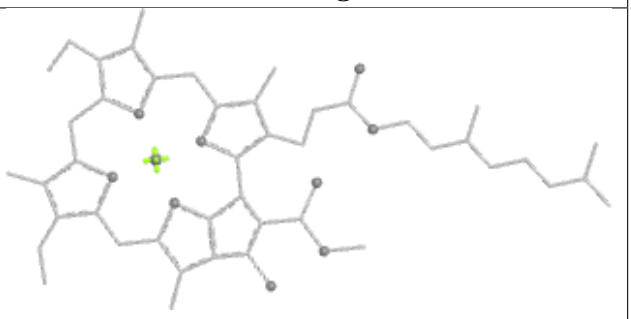
Bond lengths



Bond angles

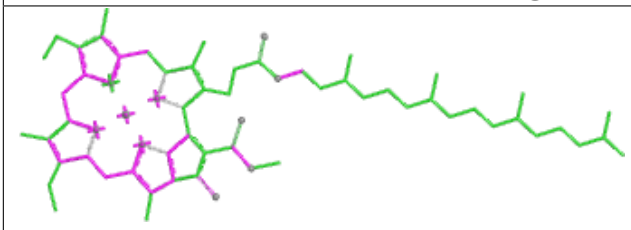


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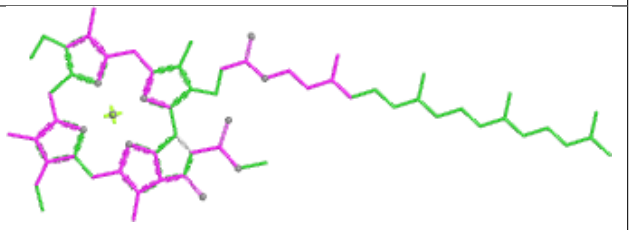


Rings

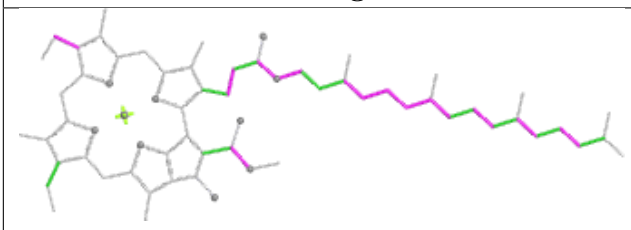
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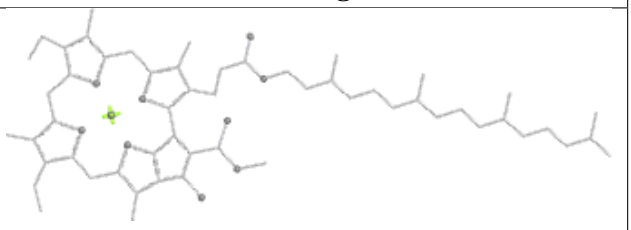
Bond lengths



Bond angles

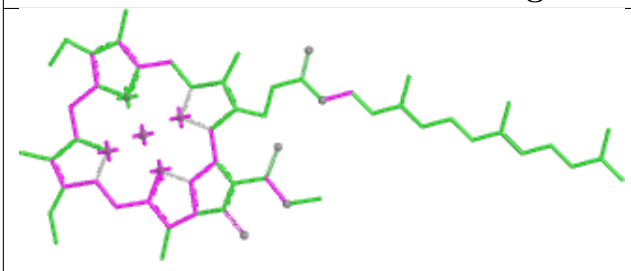


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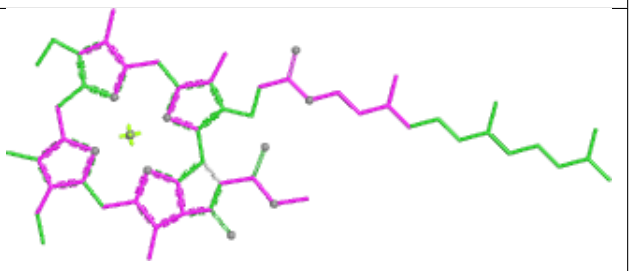


Rings

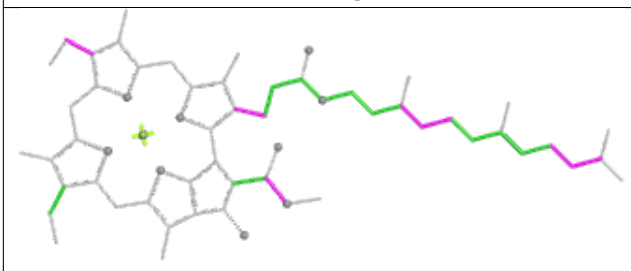
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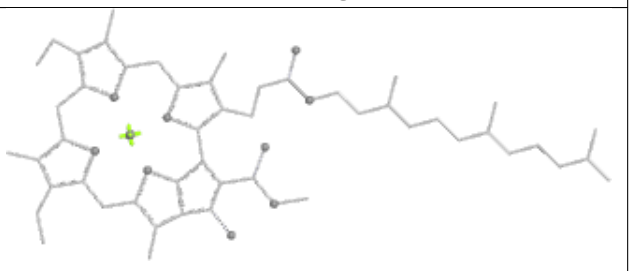
Bond lengths



Bond angles

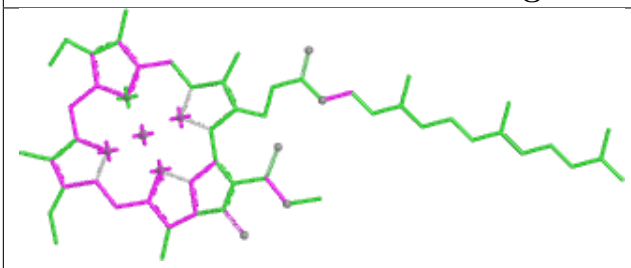


Torsions

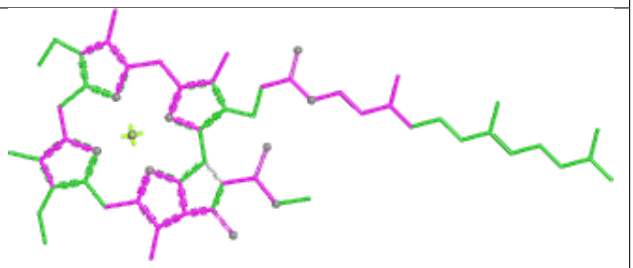


Rings

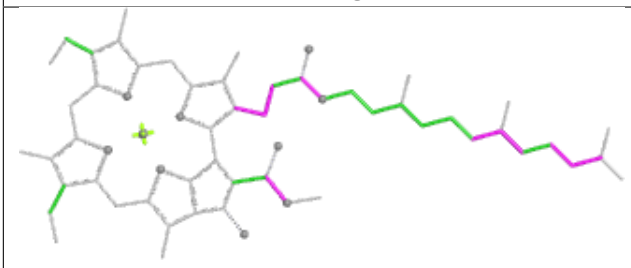
Ligand CLA H 817



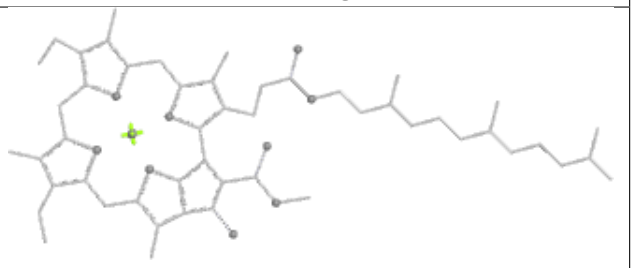
Bond lengths



Bond angles

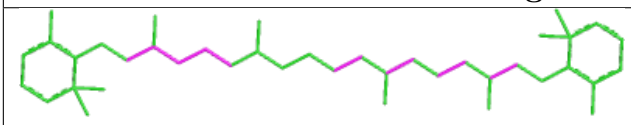


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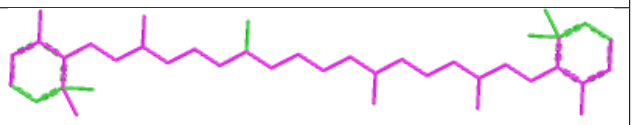


Rings

Ligand BCR h 202



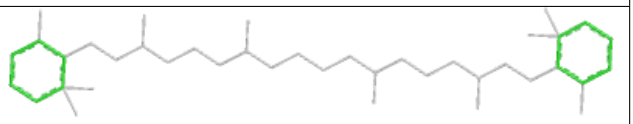
Bond lengths



Bond angles

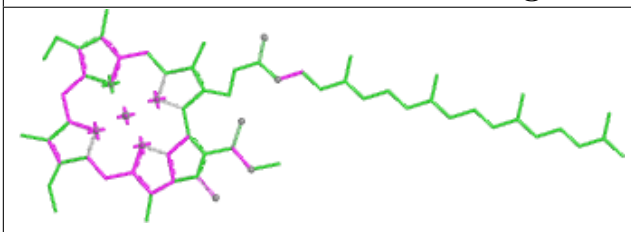


Torsions

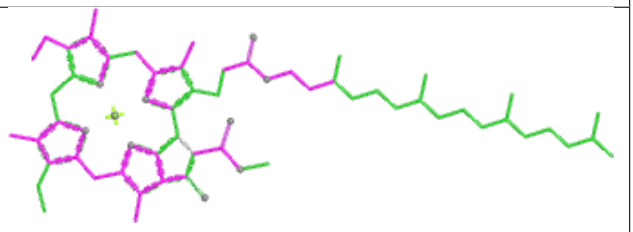


Rings

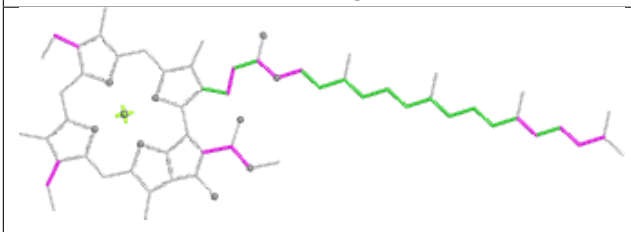
Ligand CLA G 833



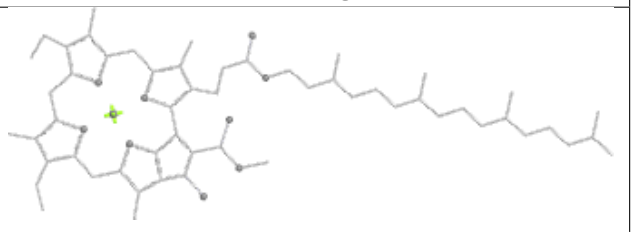
Bond lengths



Bond angles

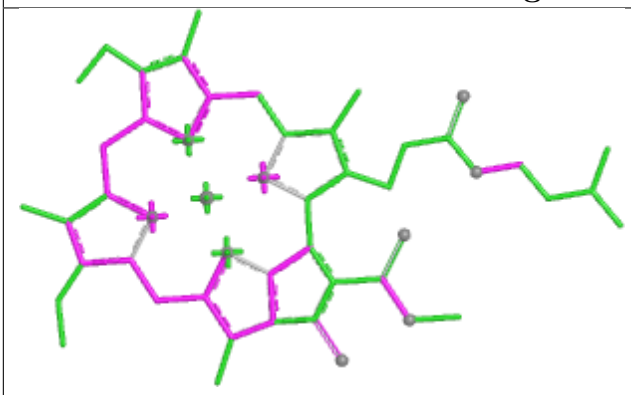


Torsions

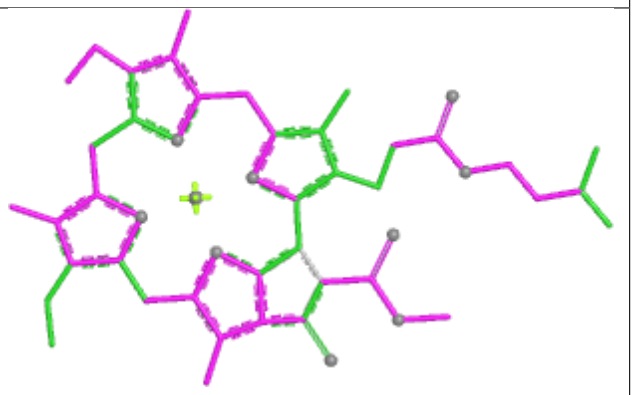


Rings

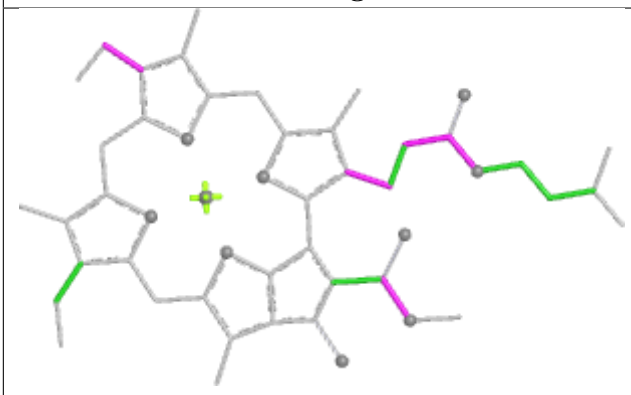
Ligand CLA A 823



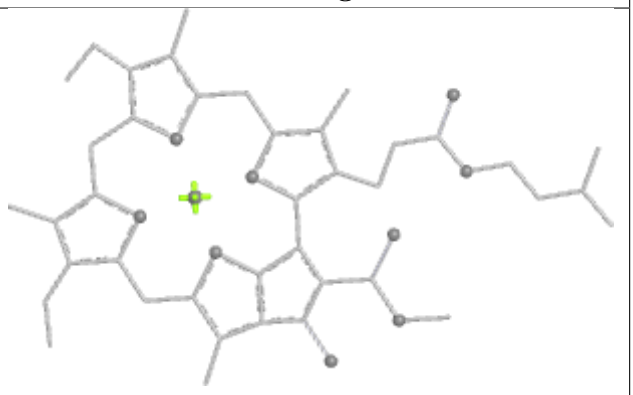
Bond lengths



Bond angles

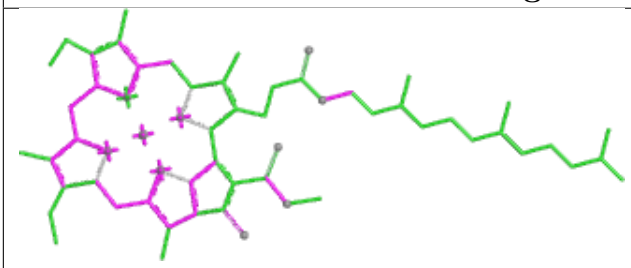


Torsions

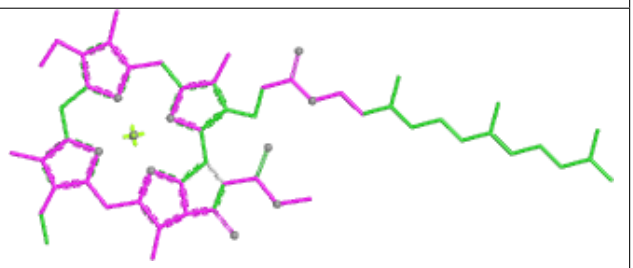


Rings

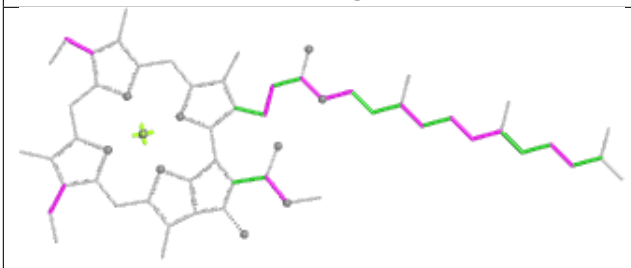
Ligand CLA A 824



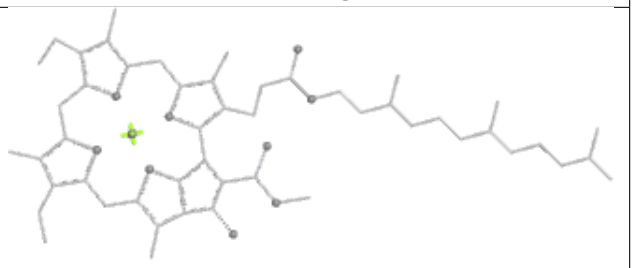
Bond lengths



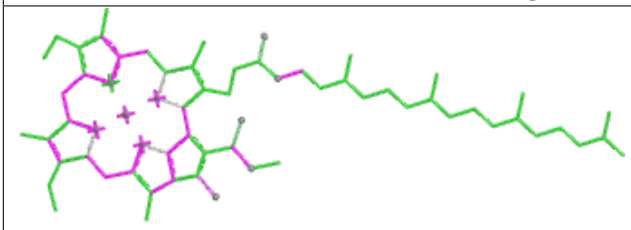
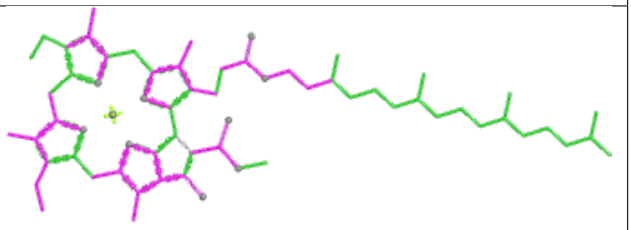
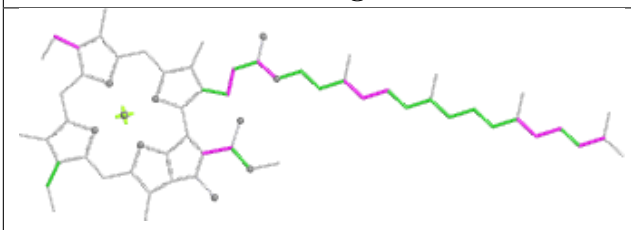
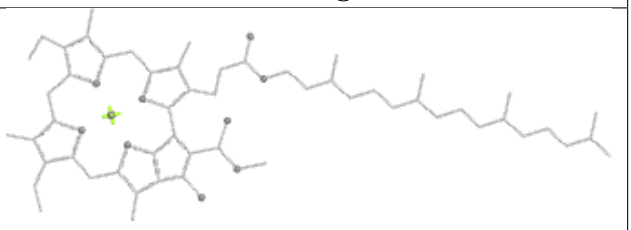
Bond angles

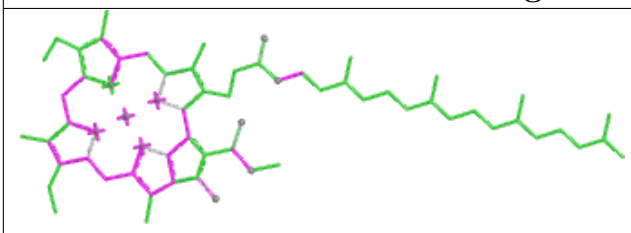
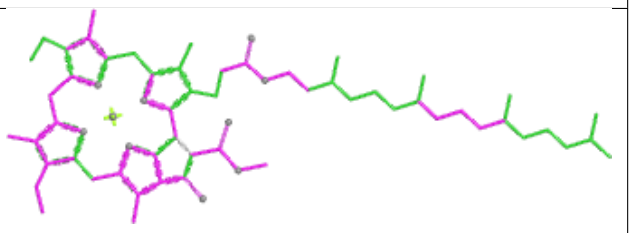
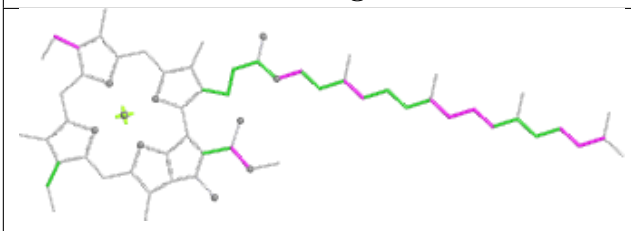
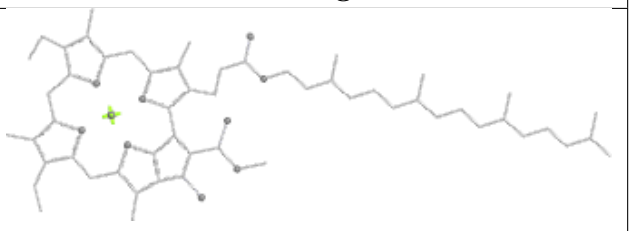


Torsions

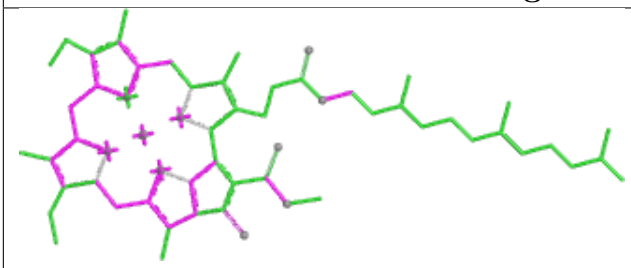


Rings

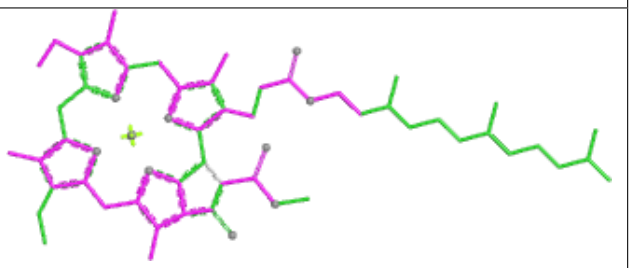
Ligand CLA A 852	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 810	
 Bond lengths	 Bond angles
 Torsions	 Rings

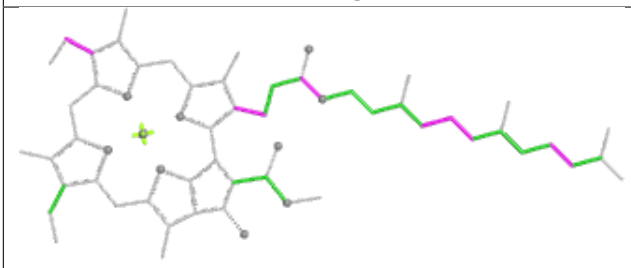
Ligand CLA Y 826



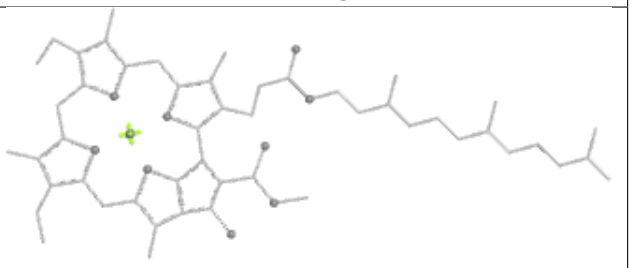
Bond lengths



Bond angles

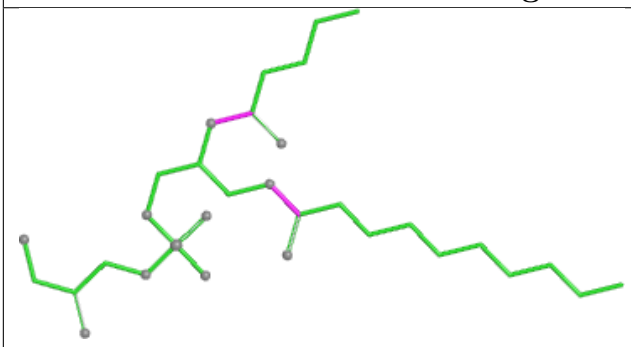


Torsions

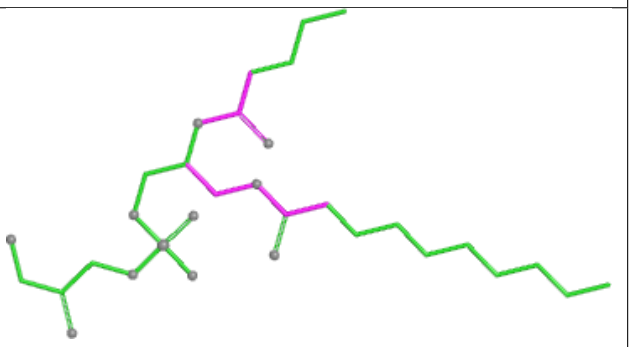


Rings

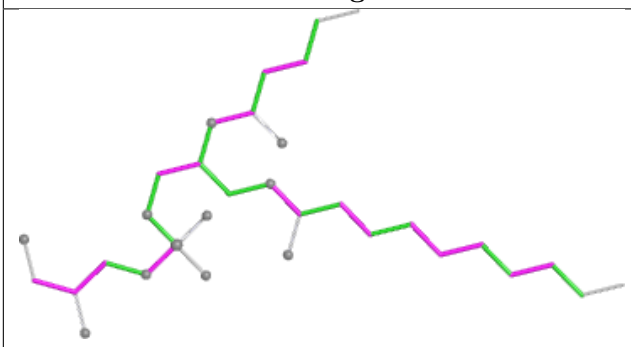
Ligand LHG A 851



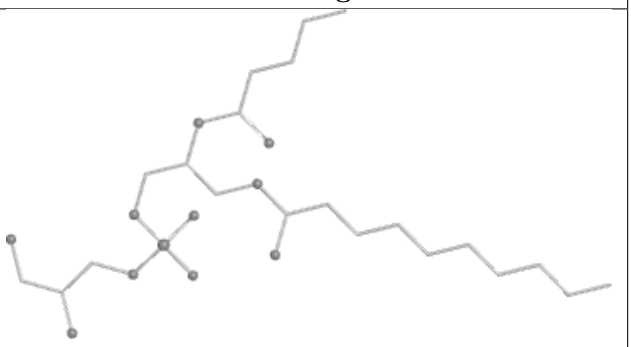
Bond lengths



Bond angles

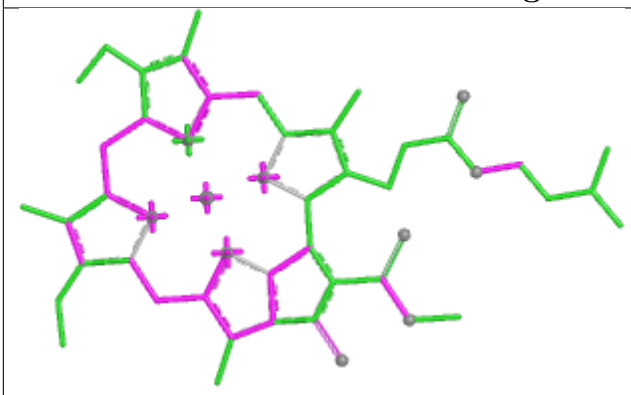


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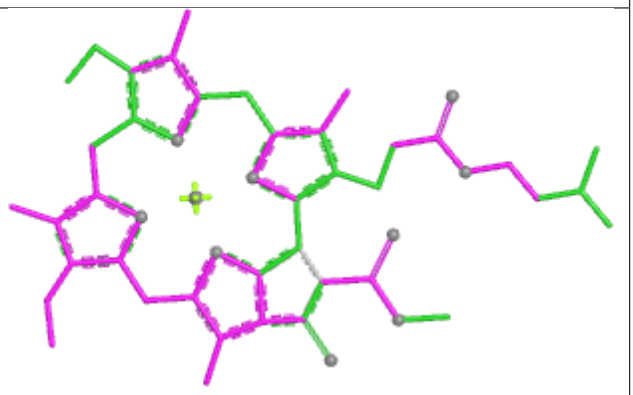


Rings

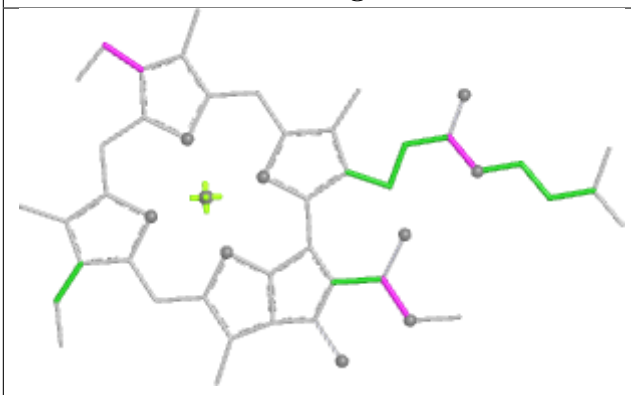
Ligand CLA G 823



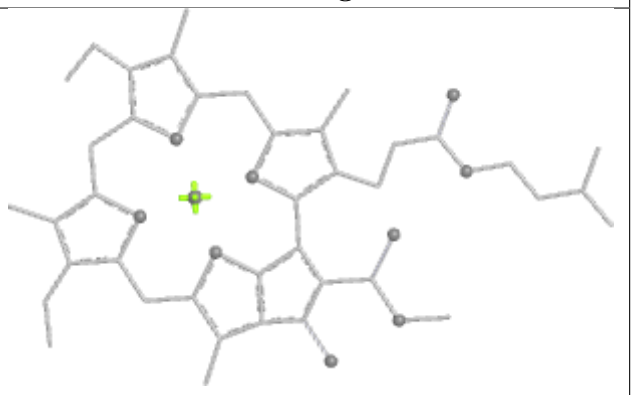
Bond lengths



Bond angles

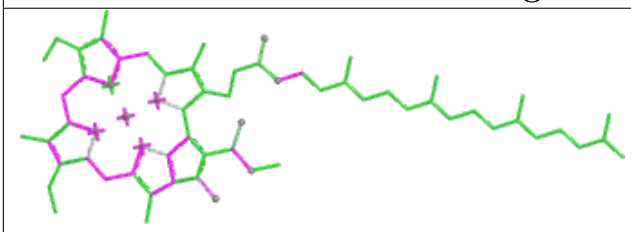


Torsions

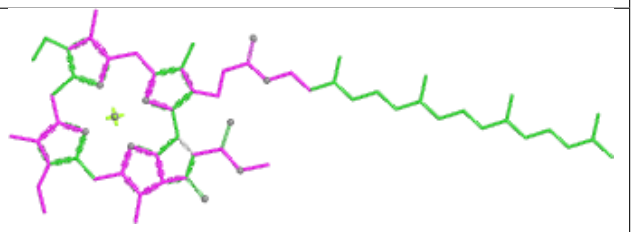


Rings

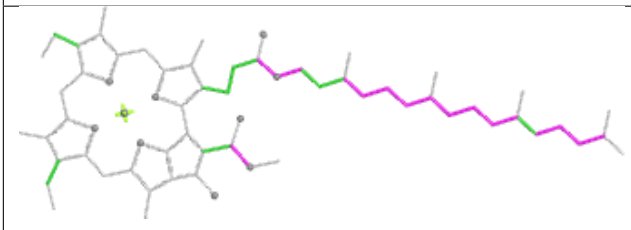
Ligand CLA H 805



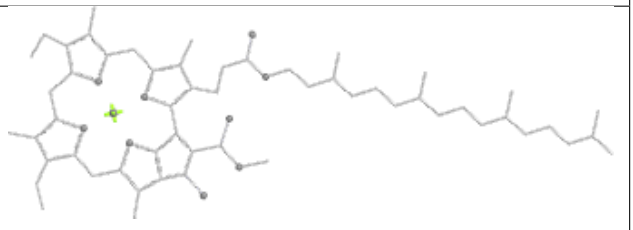
Bond lengths



Bond angles

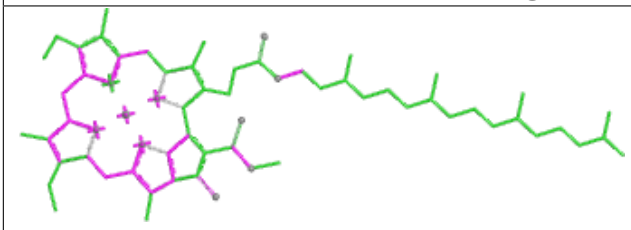


Torsions

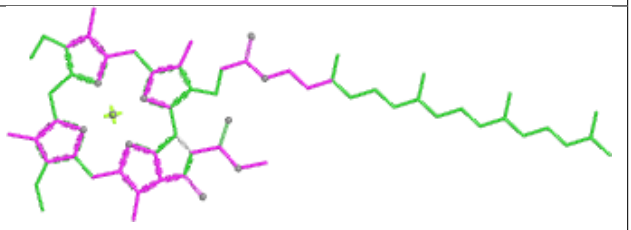


Rings

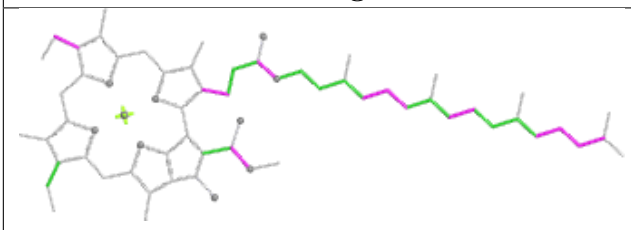
Ligand CLA A 828



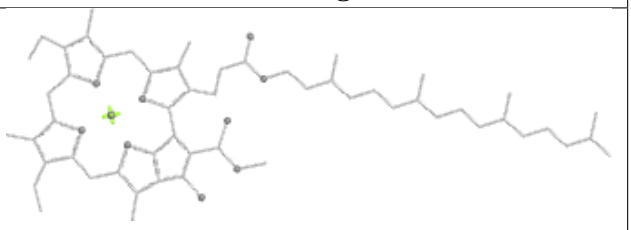
Bond lengths



Bond angles

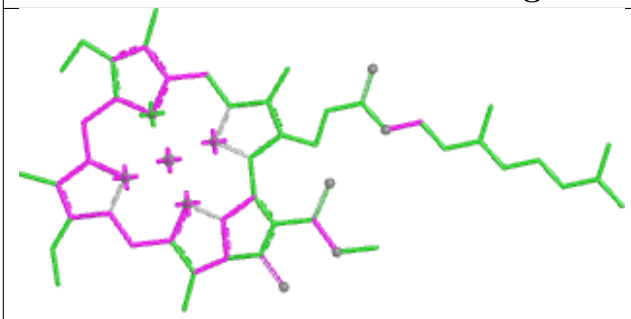


Torsions

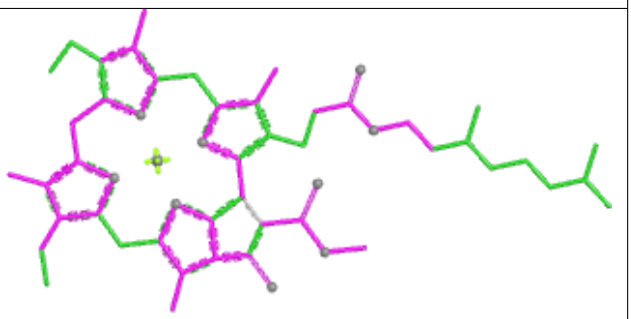


Rings

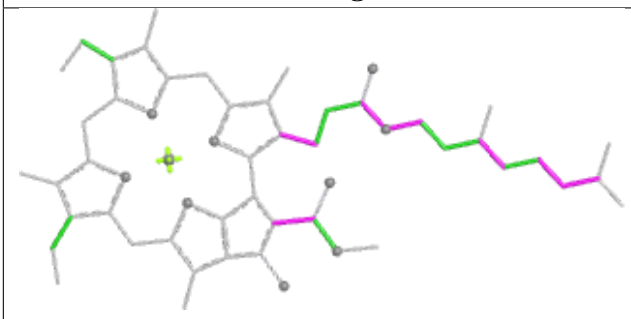
Ligand CLA H 823



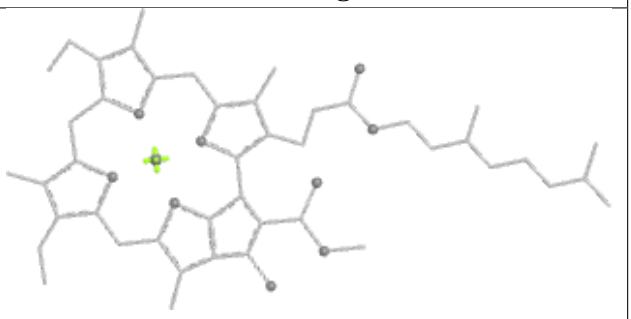
Bond lengths



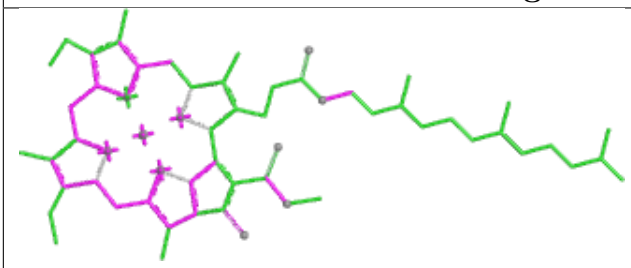
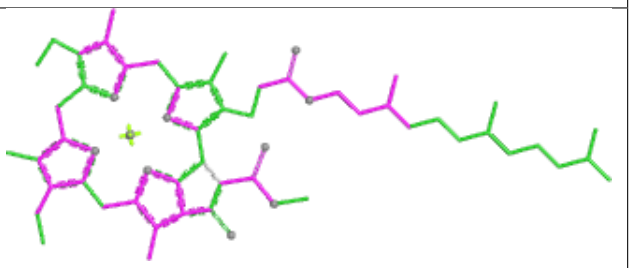
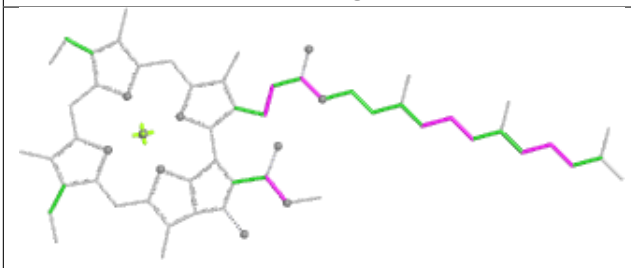
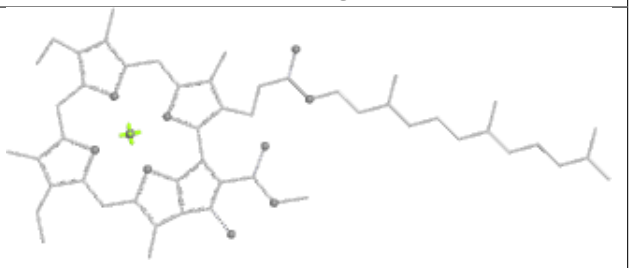
Bond angles

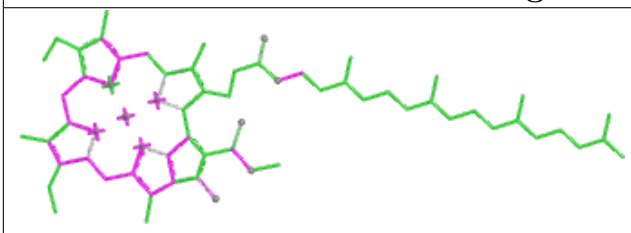
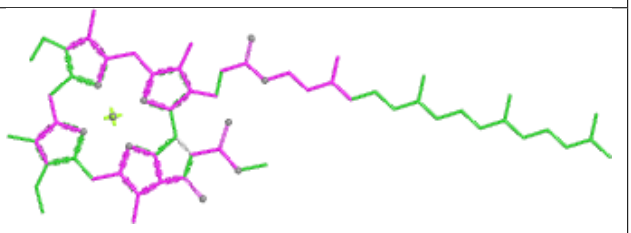
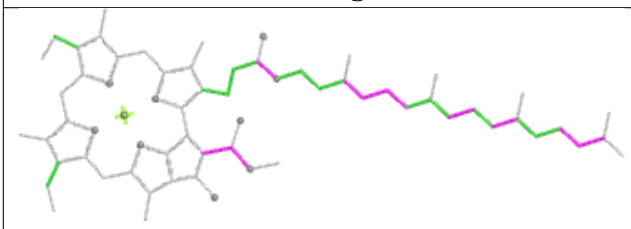
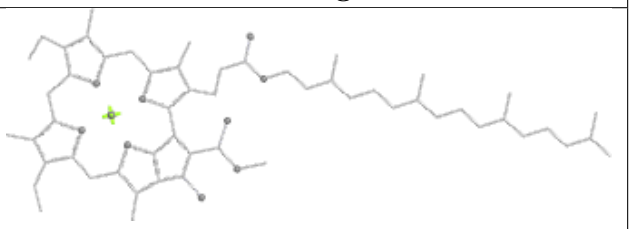


Torsions

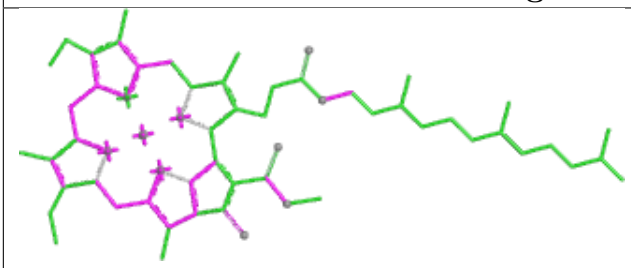


Rings

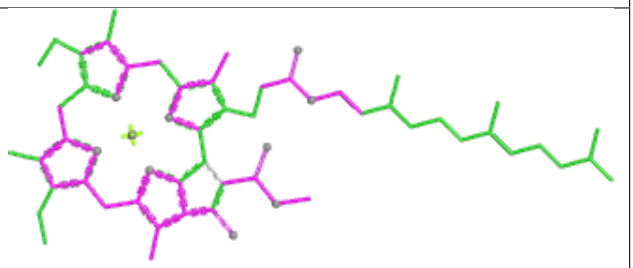
Ligand CLA Y 813	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA Z 823	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

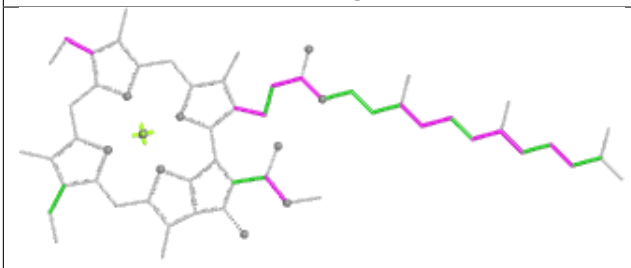
Ligand CLA Z 817



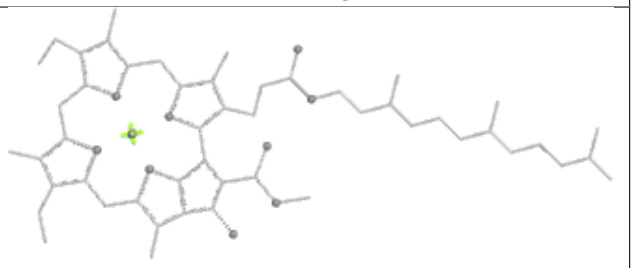
Bond lengths



Bond angles

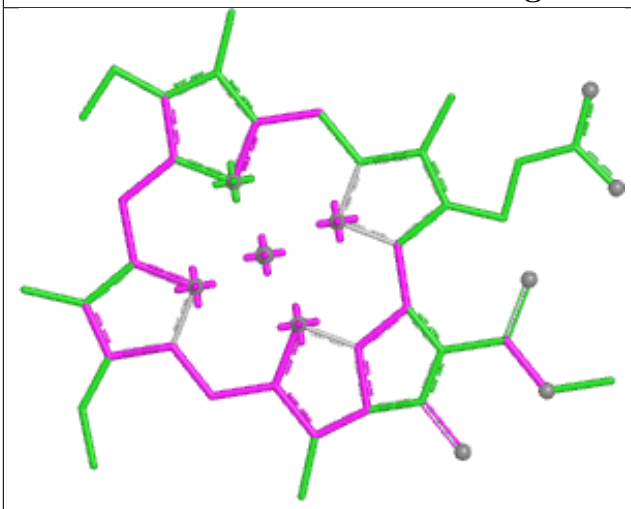


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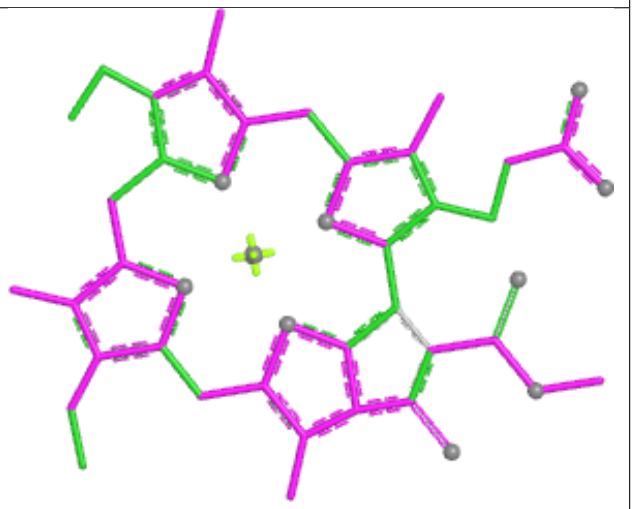


Rings

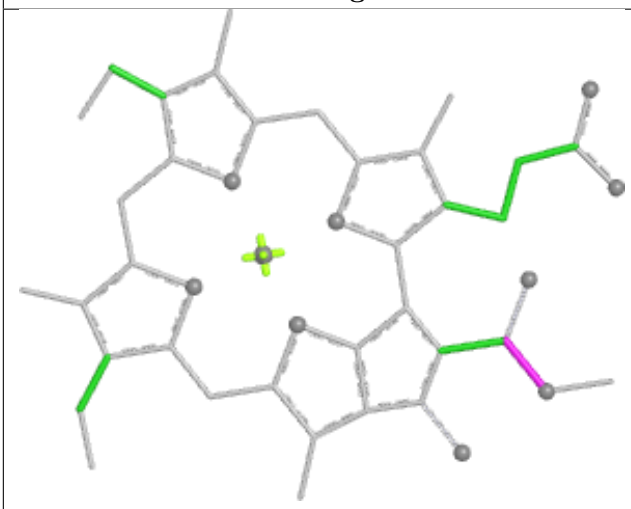
Ligand CLA B 835



Bond lengths



Bond angles

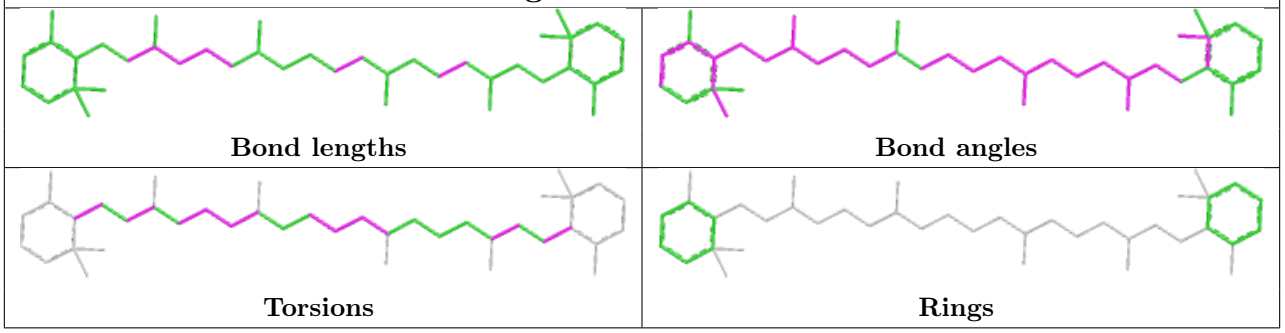


Torsions

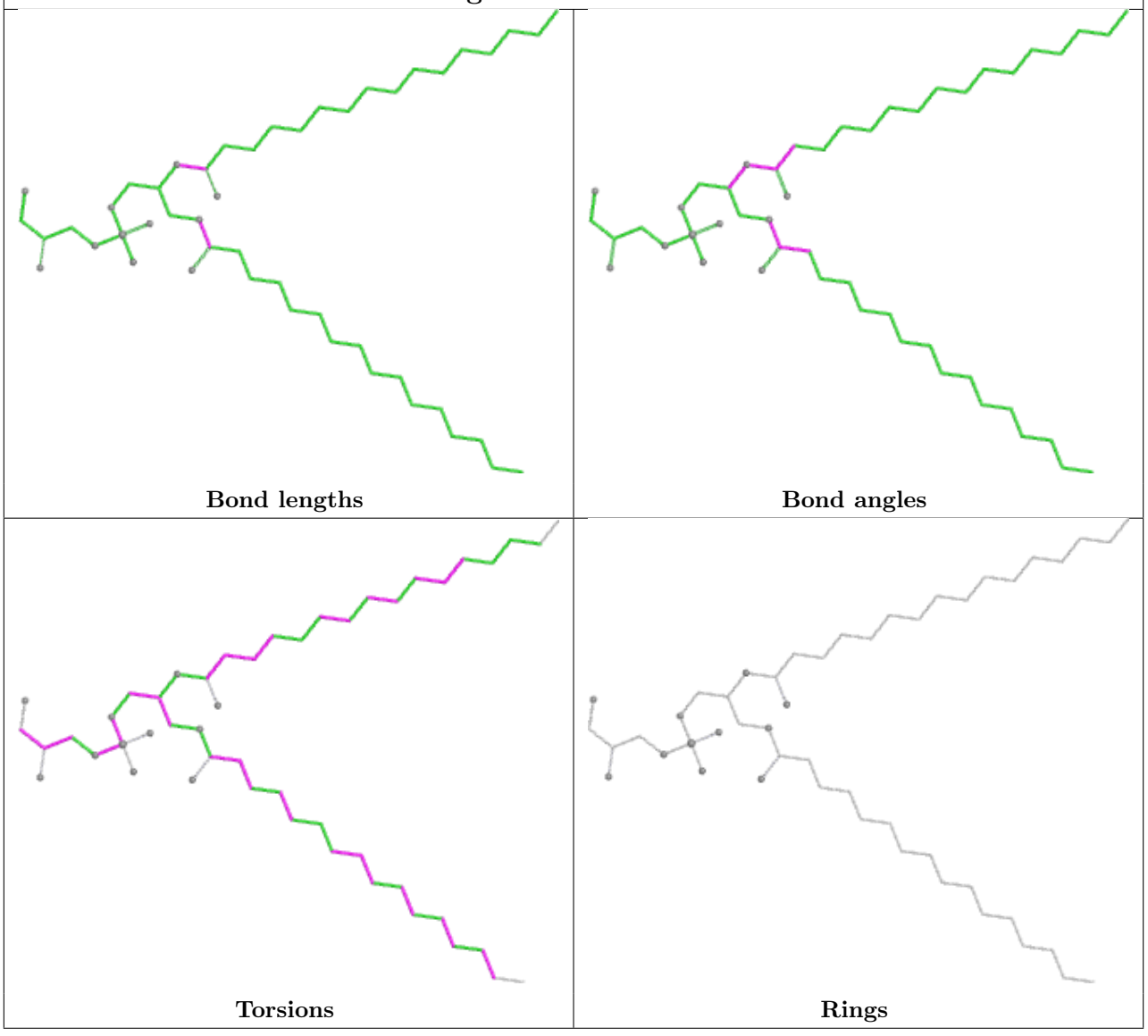


Rings

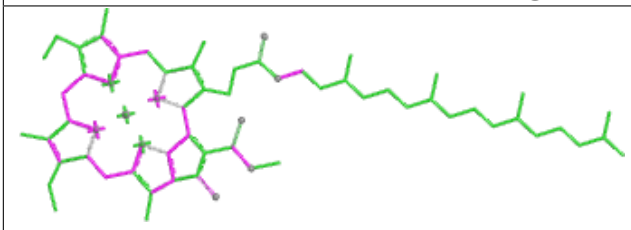
Ligand BCR F 201



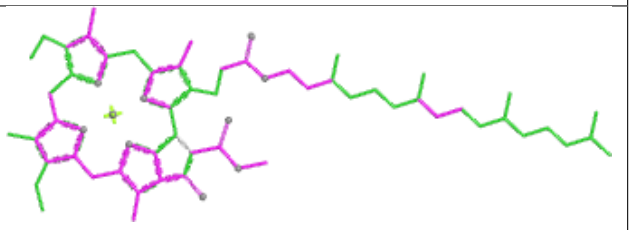
Ligand LHG G 851



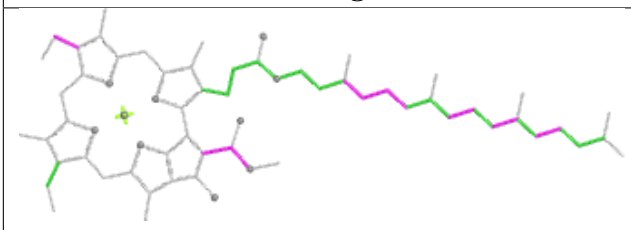
Ligand CLA Z 807



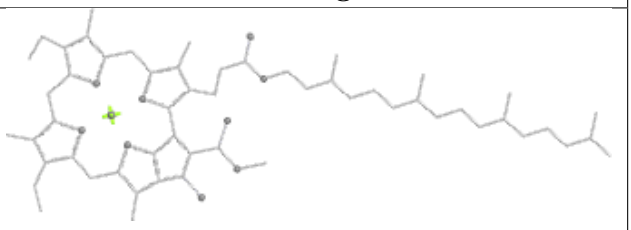
Bond lengths



Bond angles

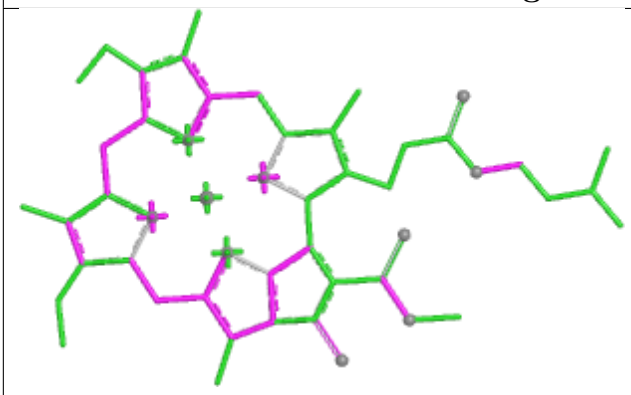


Torsions

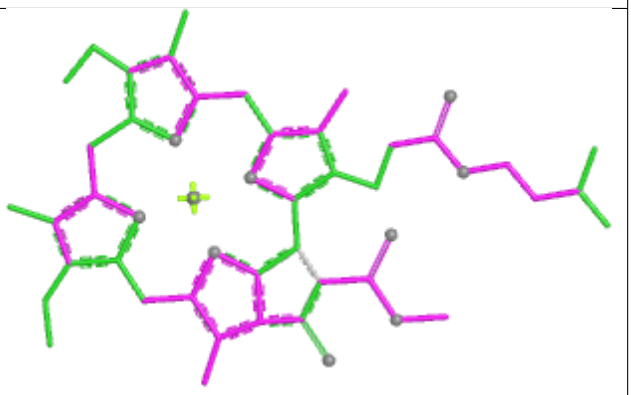


Rings

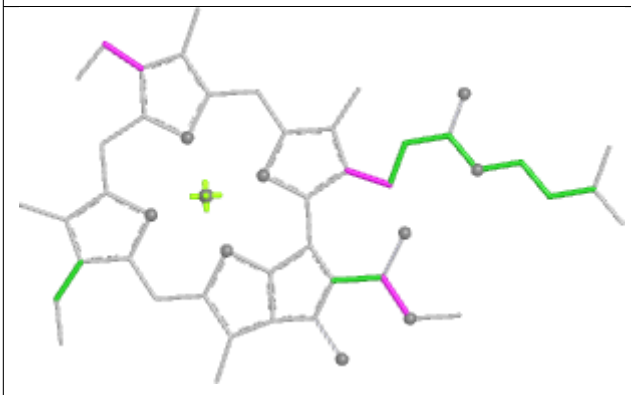
Ligand CLA G 840



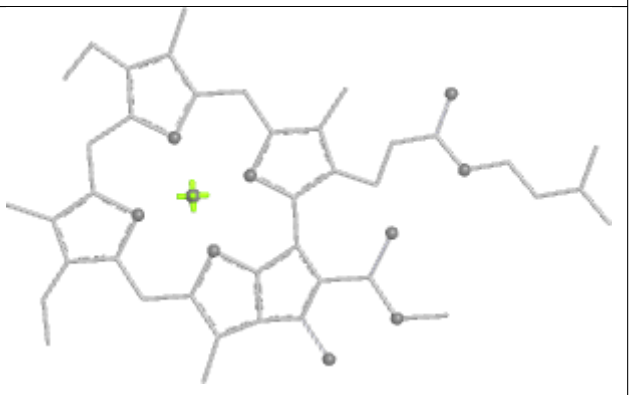
Bond lengths



Bond angles

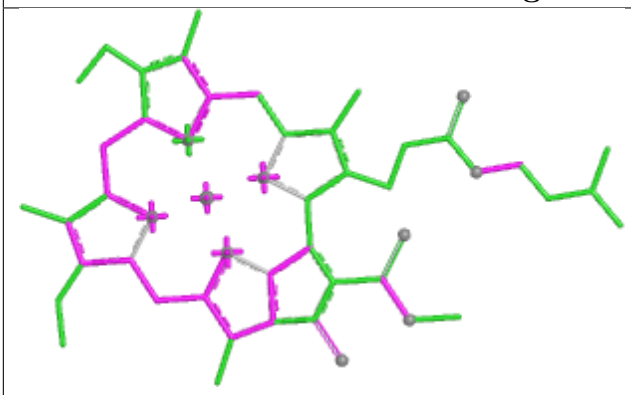


Torsions

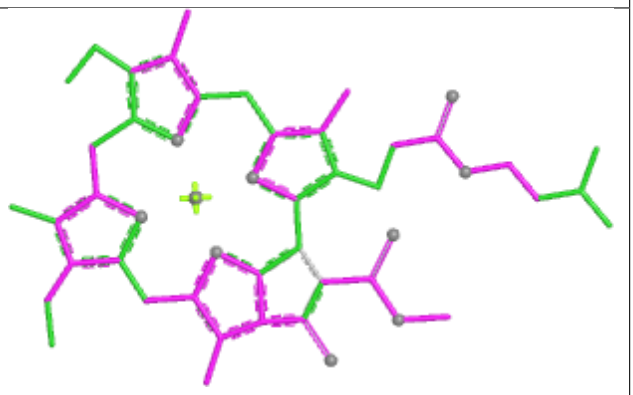


Rings

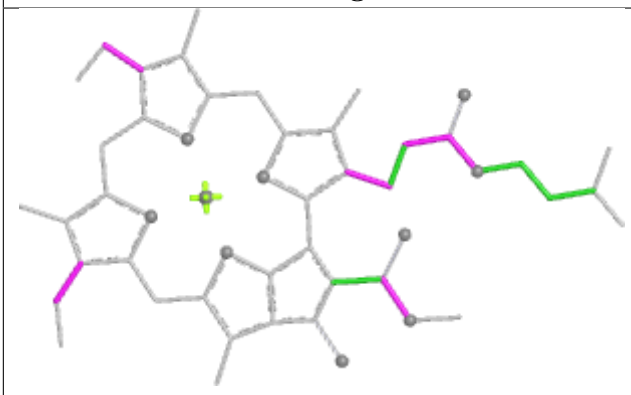
Ligand CLA G 816



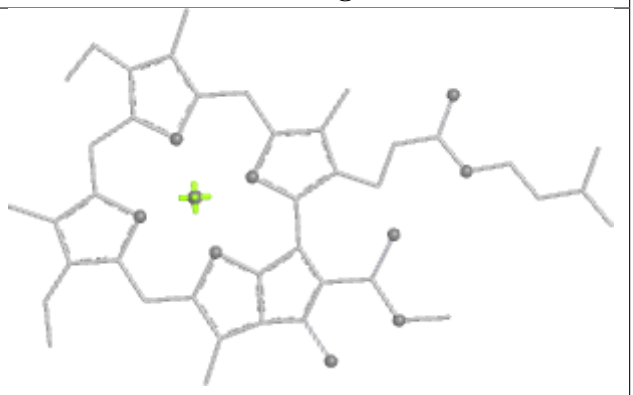
Bond lengths



Bond angles

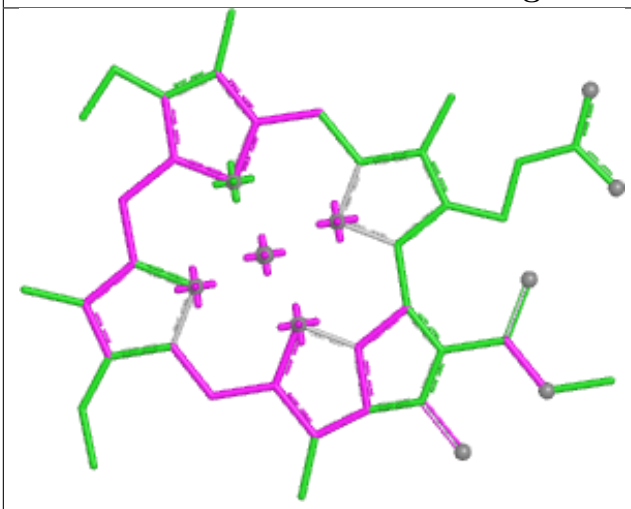


Torsions

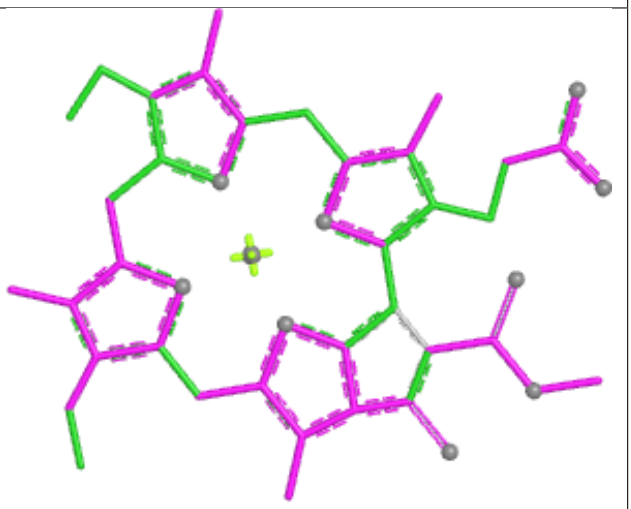


Rings

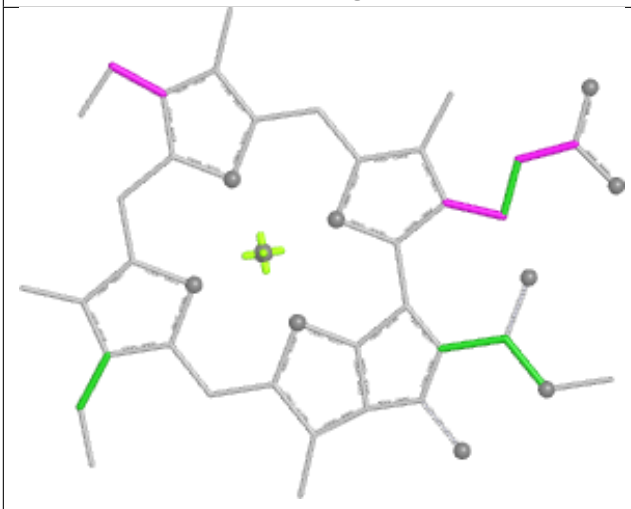
Ligand CLA G 835



Bond lengths



Bond angles

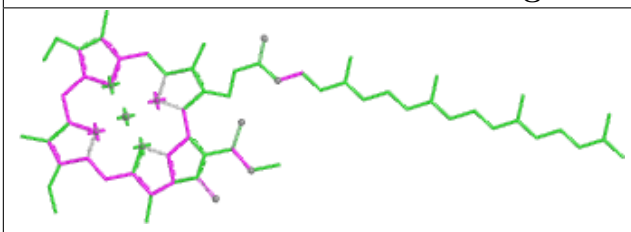


Torsions

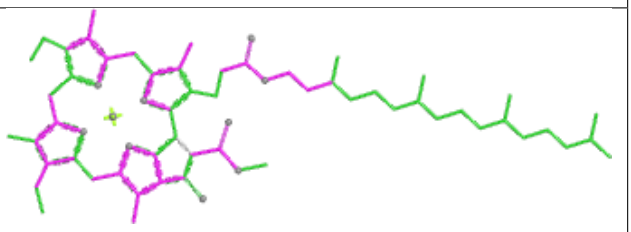


Rings

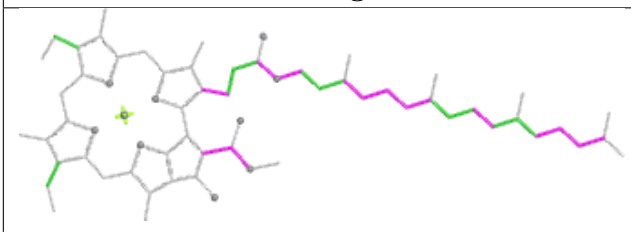
Ligand CLA Y 819



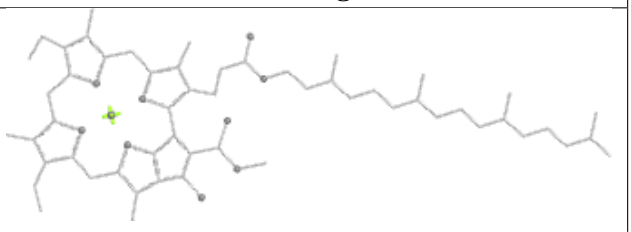
Bond lengths



Bond angles

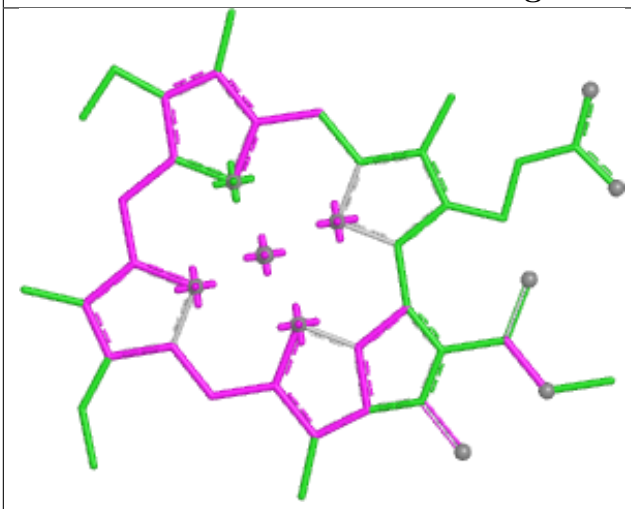


Torsions

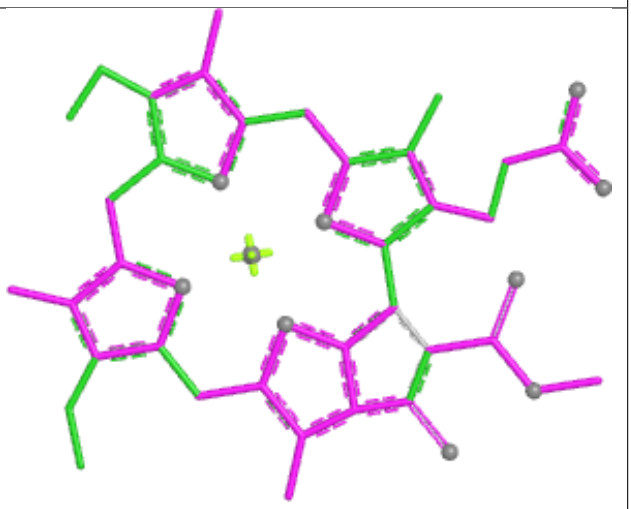


Rings

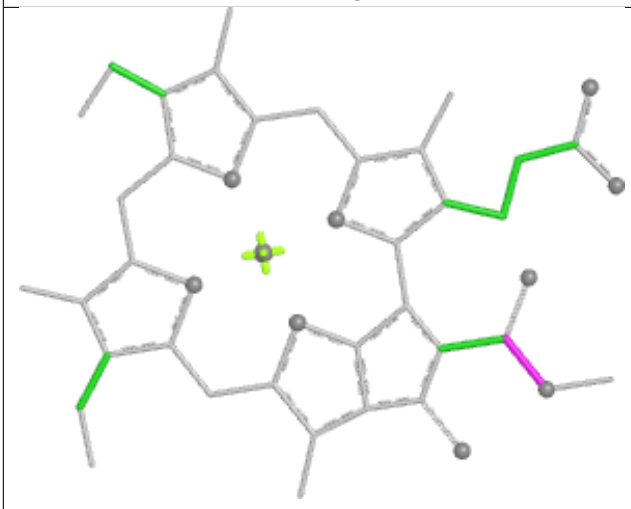
Ligand CLA B 834



Bond lengths



Bond angles

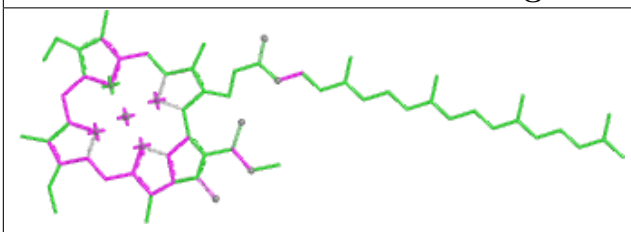


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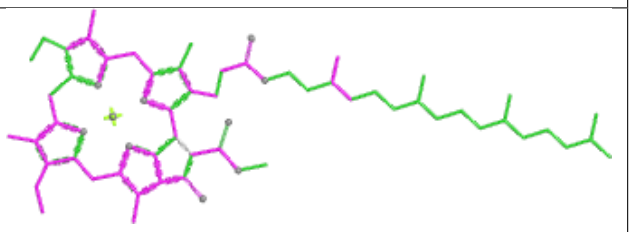


Rings

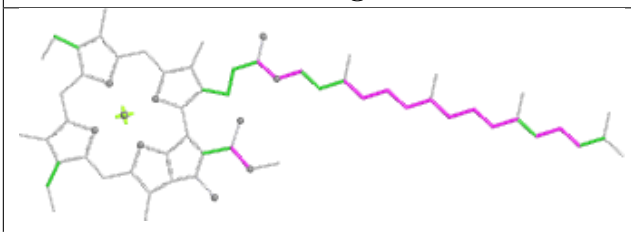
Ligand CLA B 807



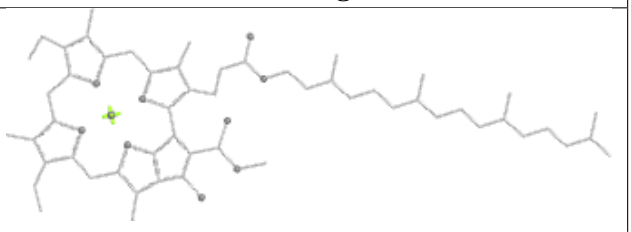
Bond lengths



Bond angles

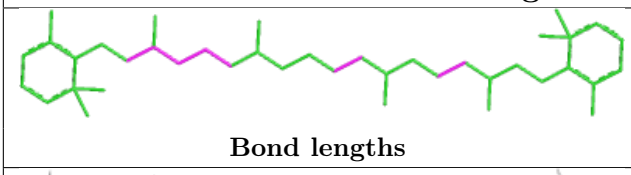


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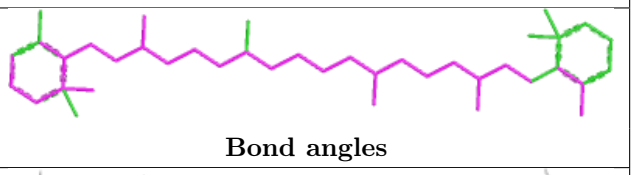


Rings

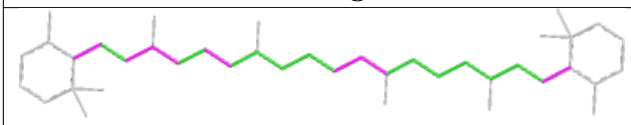
Ligand BCR R 102



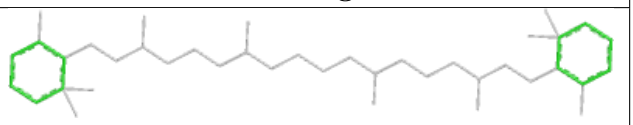
Bond lengths



Bond angles

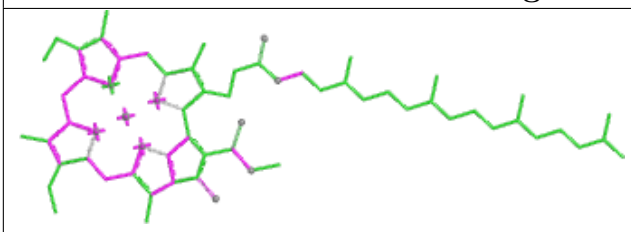


Torsions

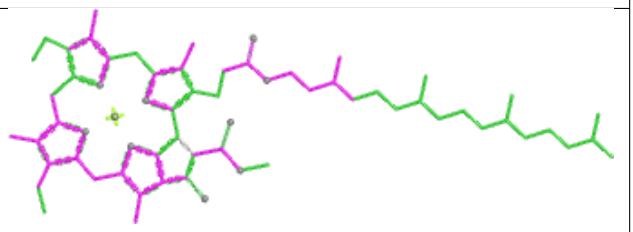


Rings

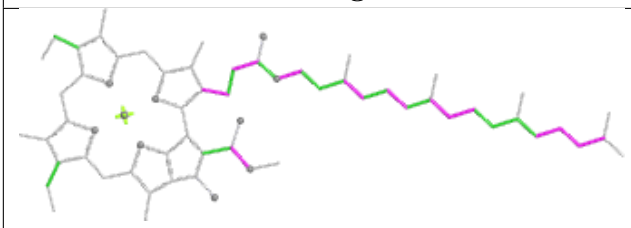
Ligand CLA G 841



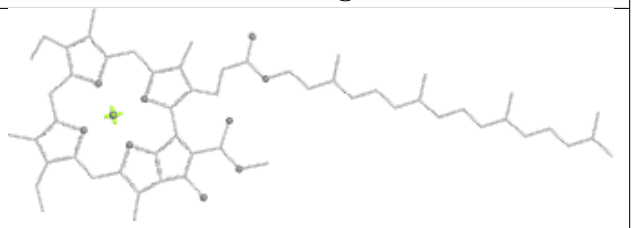
Bond lengths



Bond angles

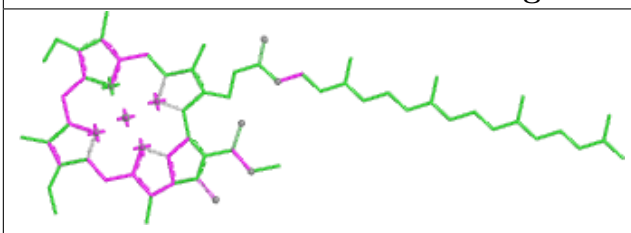


Torsions

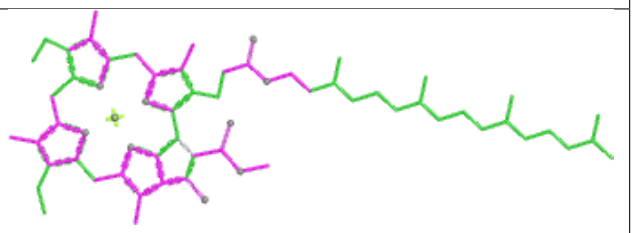


Rings

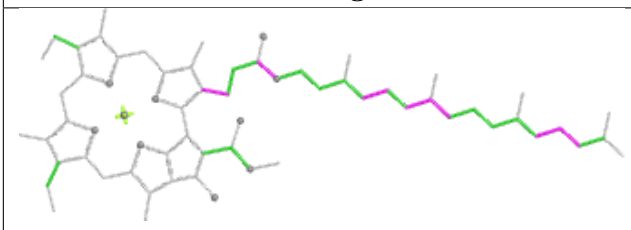
Ligand CLA H 804



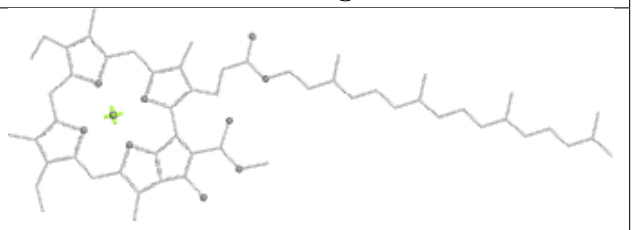
Bond lengths



Bond angles

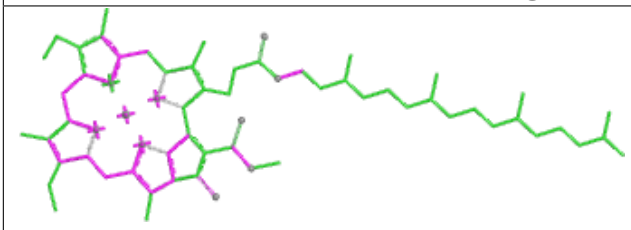


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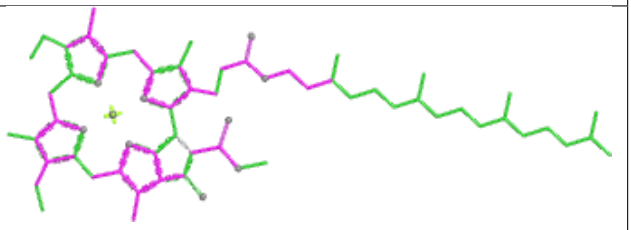


Rings

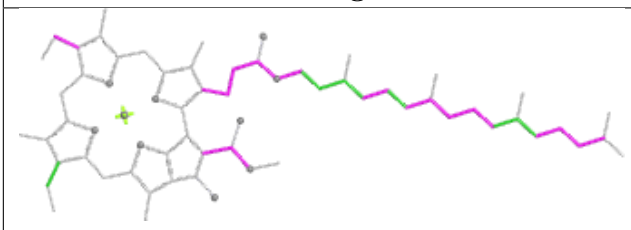
Ligand CLA A 805



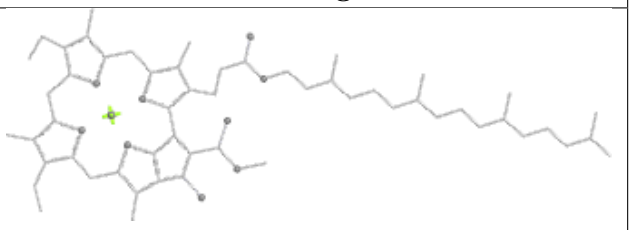
Bond lengths



Bond angles

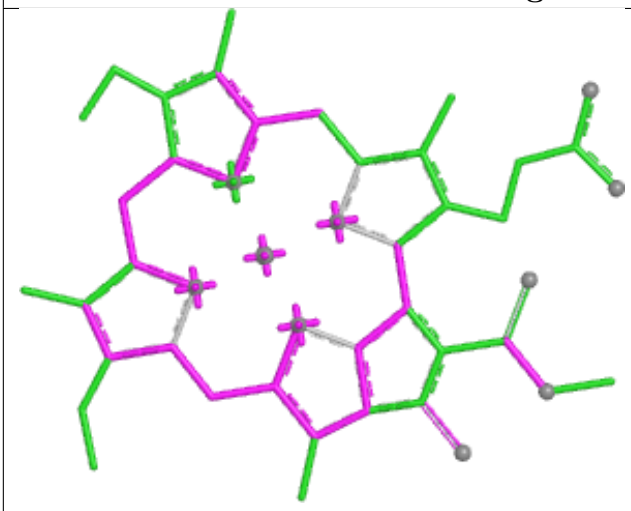


Torsions

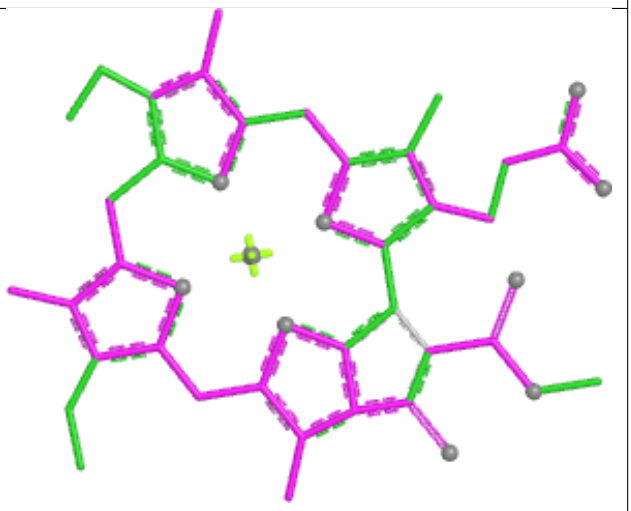


Rings

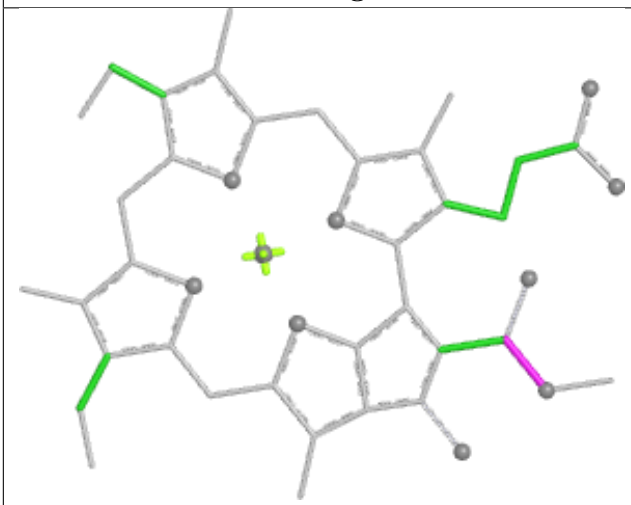
Ligand CLA Z 813



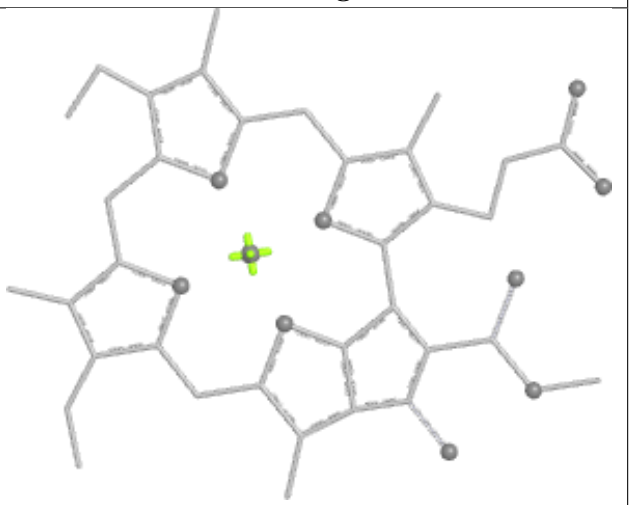
Bond lengths



Bond angles

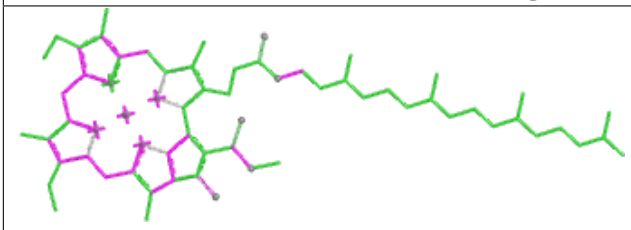


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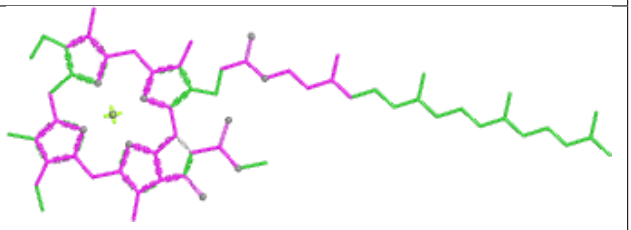


Rings

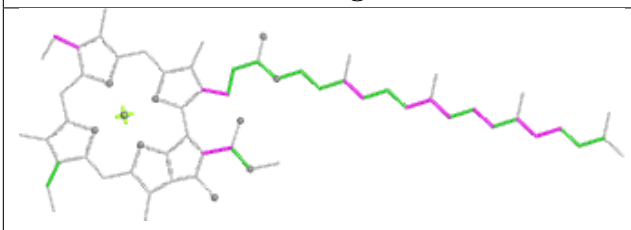
Ligand CLA B 826



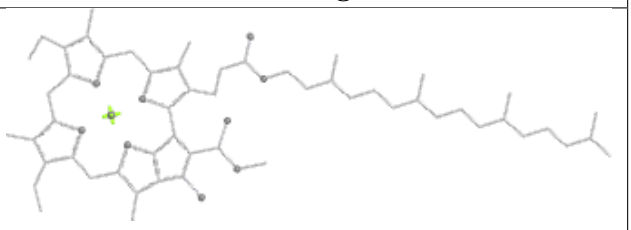
Bond lengths



Bond angles

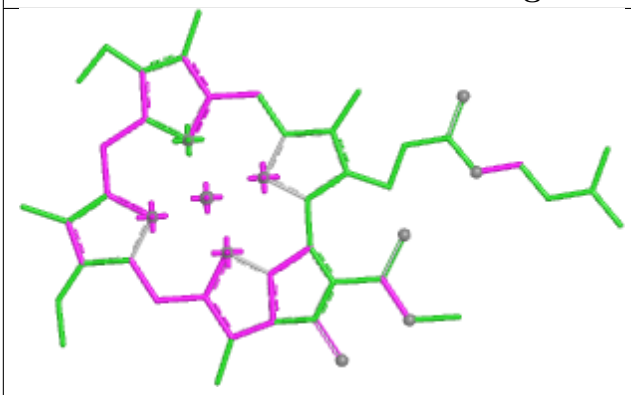


Torsions

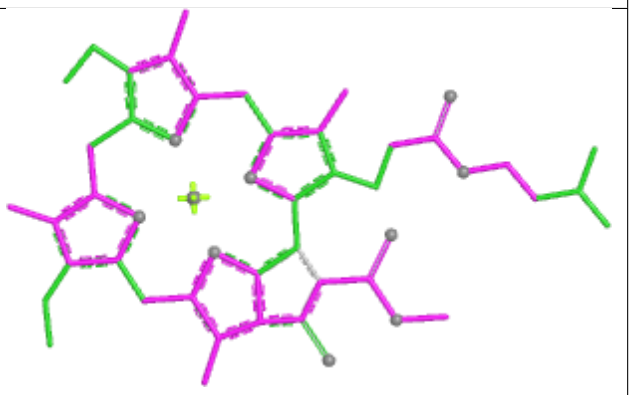


Rings

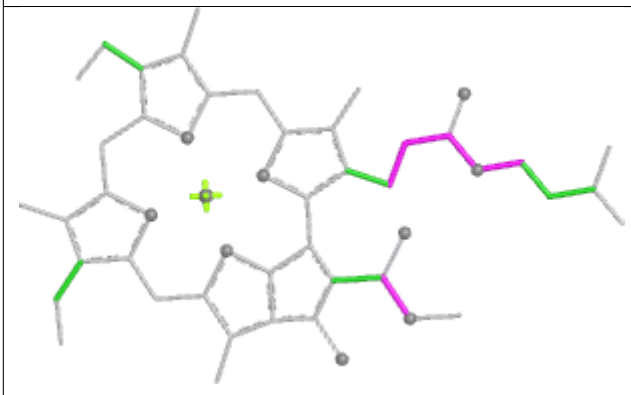
Ligand CLA Y 815



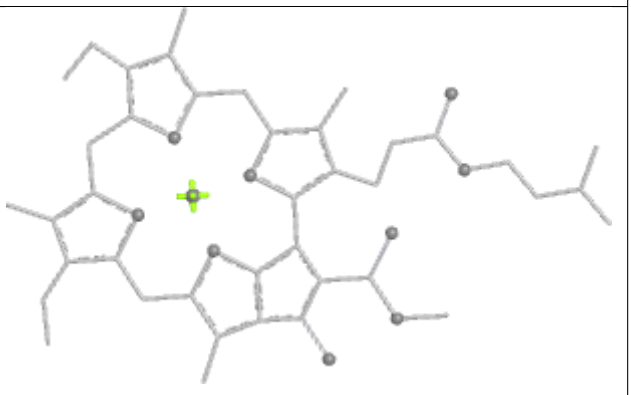
Bond lengths



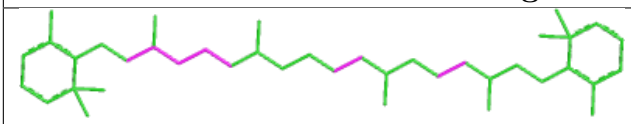
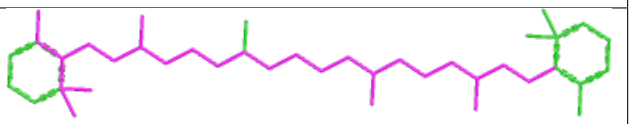
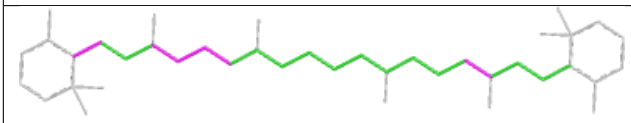
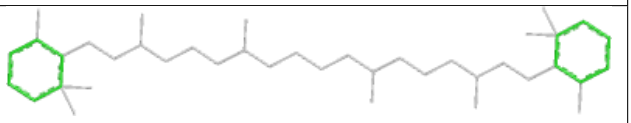
Bond angles

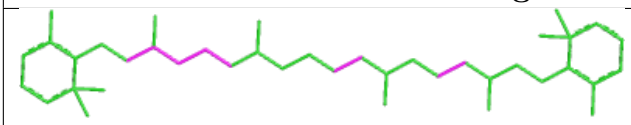
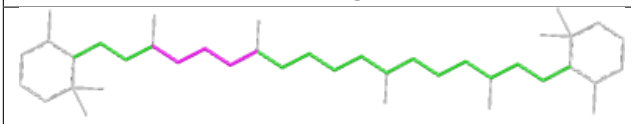
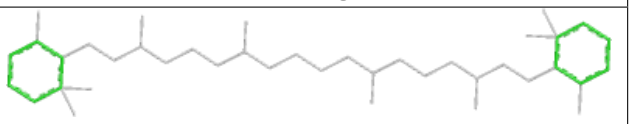


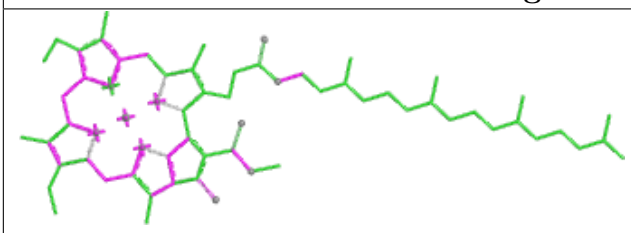
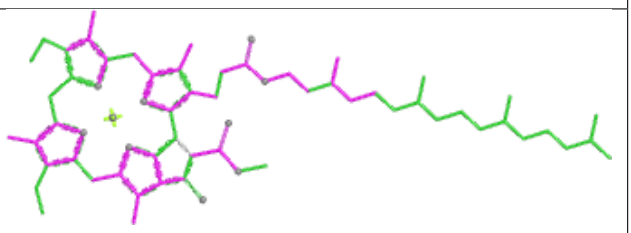
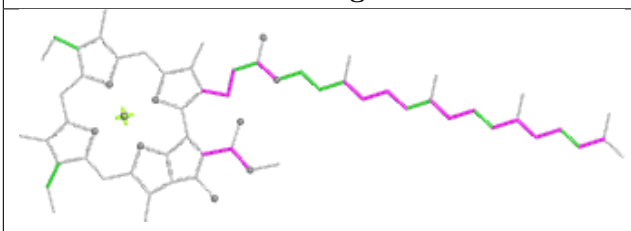
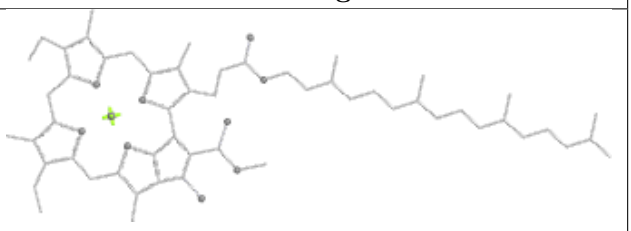
Torsions



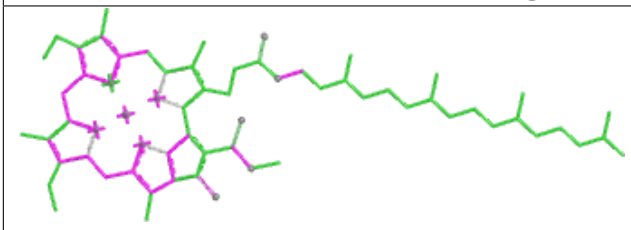
Rings

Ligand BCR H 842	
 Bond lengths	 Bond angles
 Torsions	 Rings

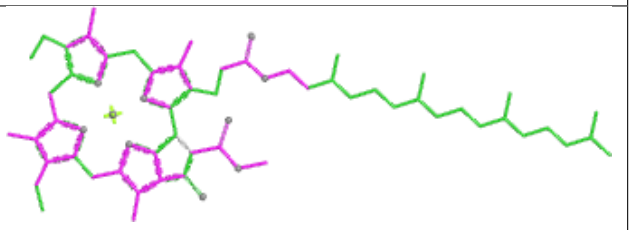
Ligand BCR U 1008	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA Y 808	
 Bond lengths	 Bond angles
 Torsions	 Rings

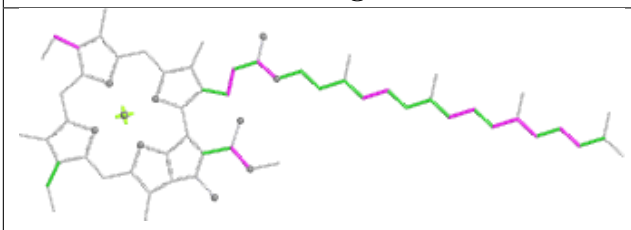
Ligand CLA H 837



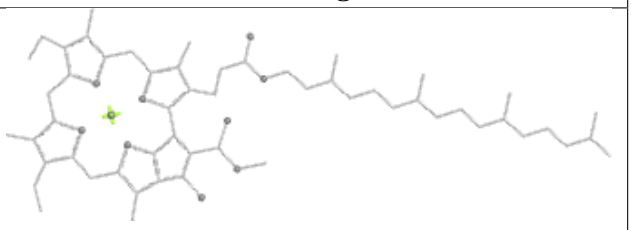
Bond lengths



Bond angles

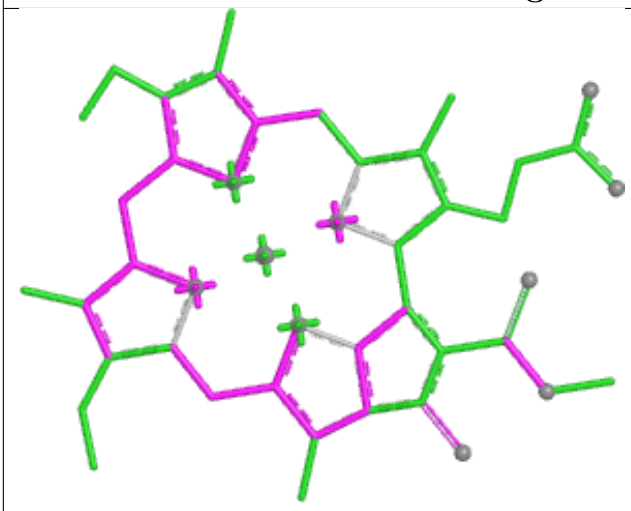


Torsions

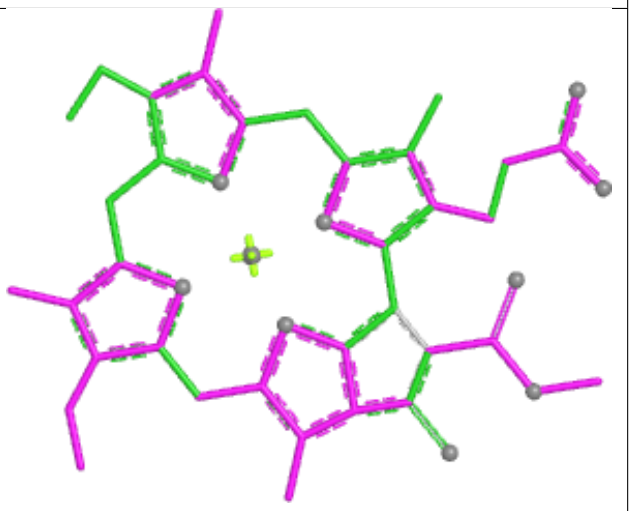


Rings

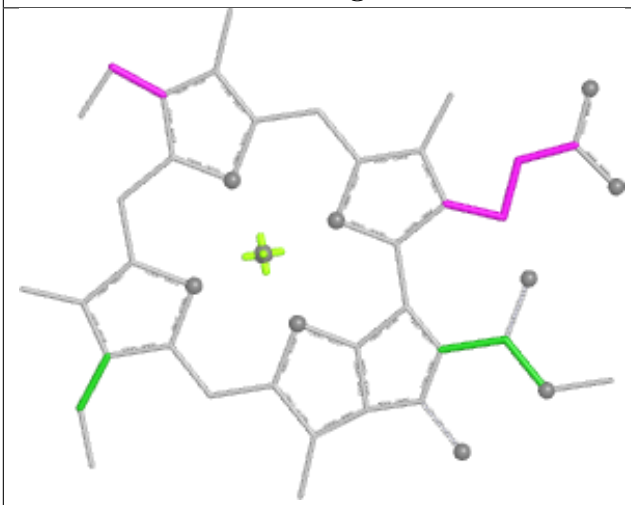
Ligand CLA Z 837



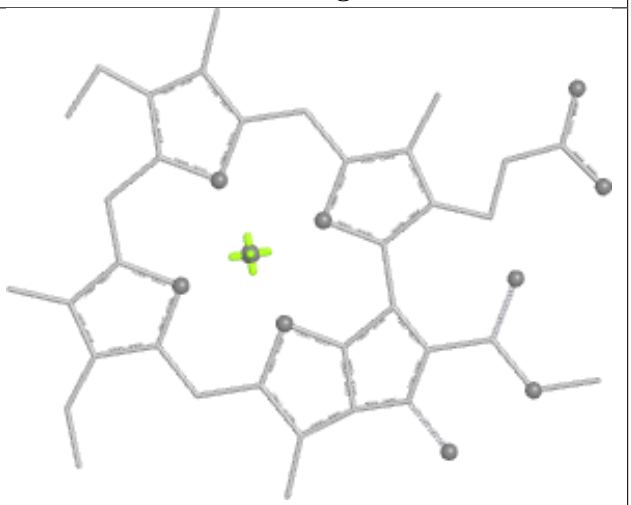
Bond lengths



Bond angles

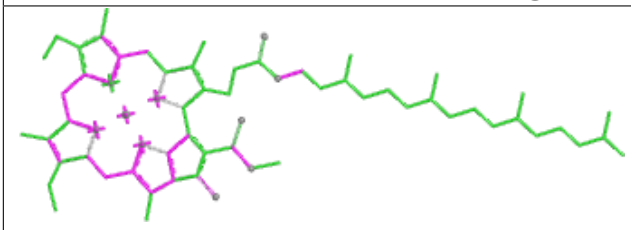


Torsions

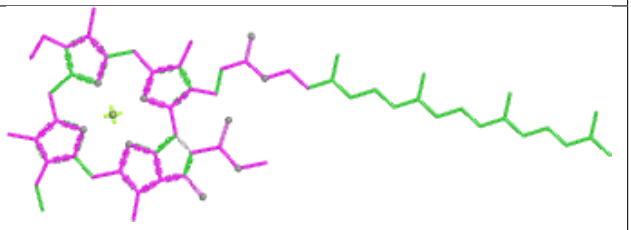


Rings

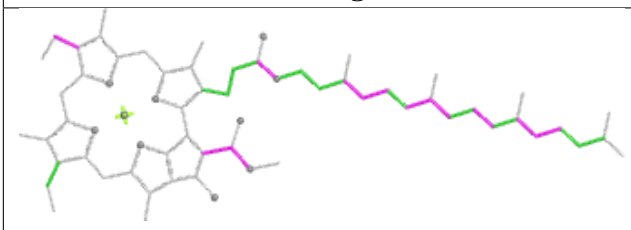
Ligand CLA L 202



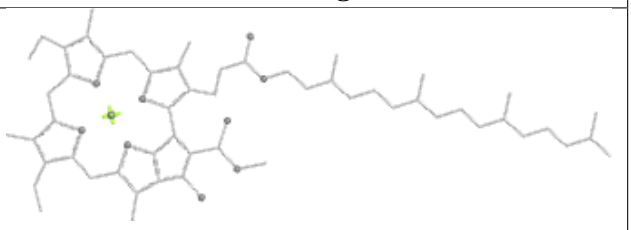
Bond lengths



Bond angles

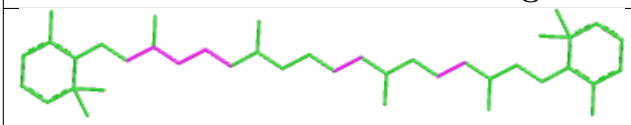


Torsions



Rings

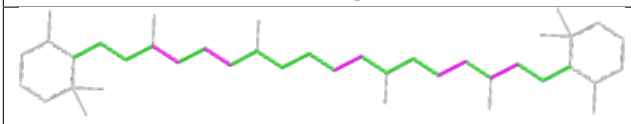
Ligand BCR Y 847



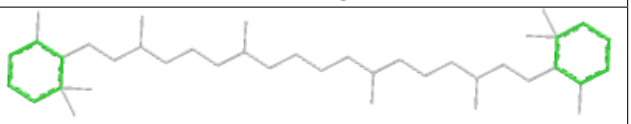
Bond lengths



Bond angles

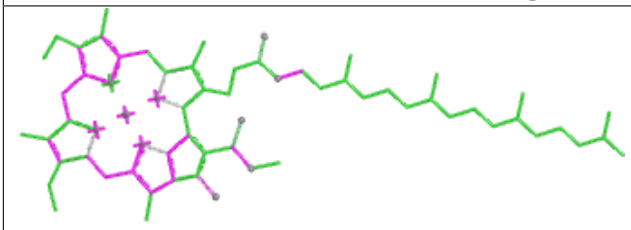


Torsions

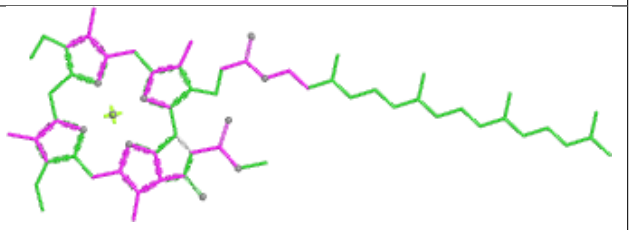


Rings

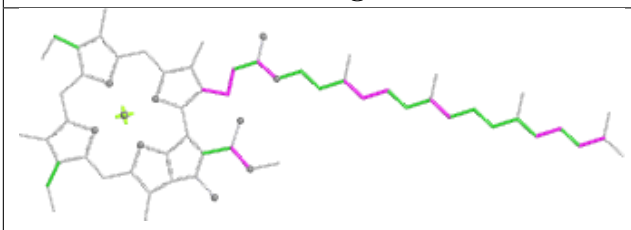
Ligand CLA A 821



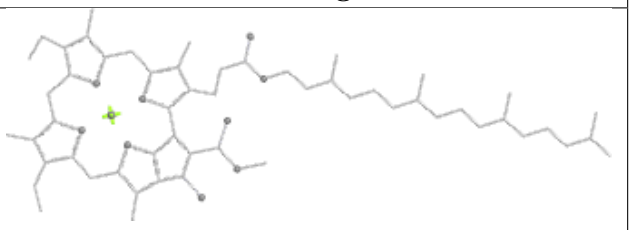
Bond lengths



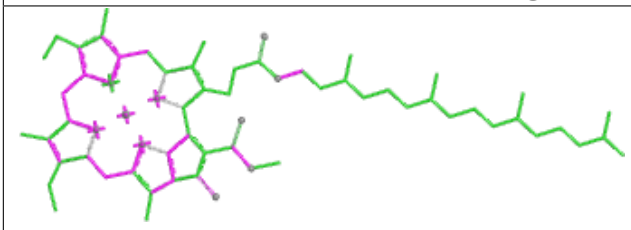
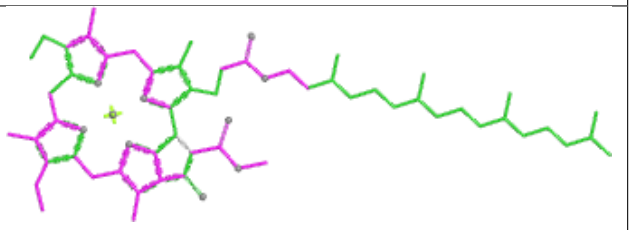
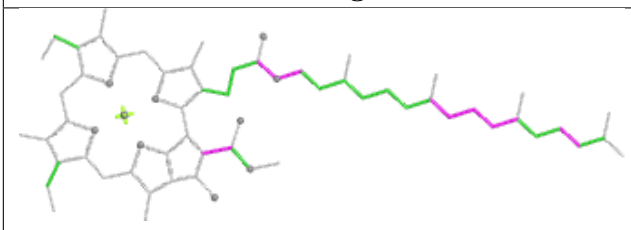
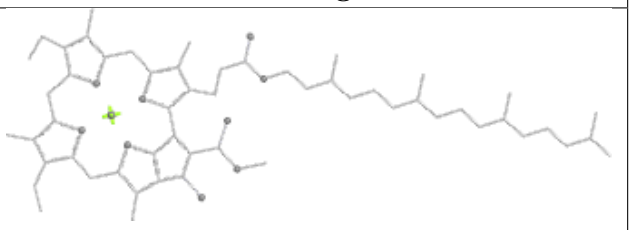
Bond angles

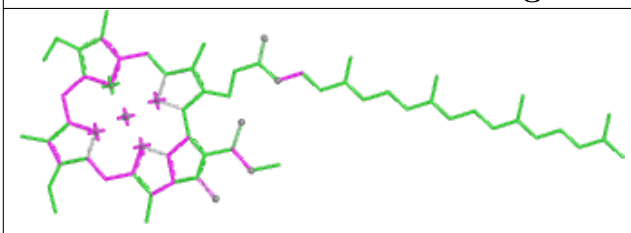
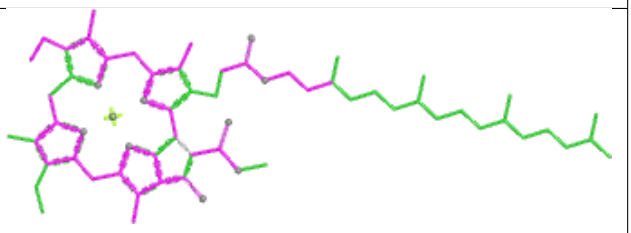
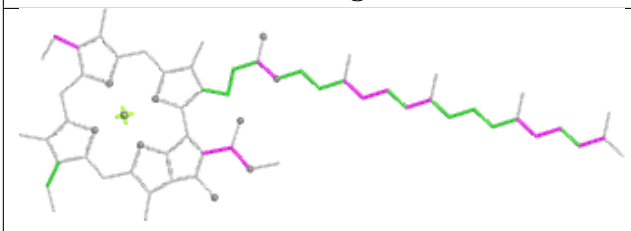
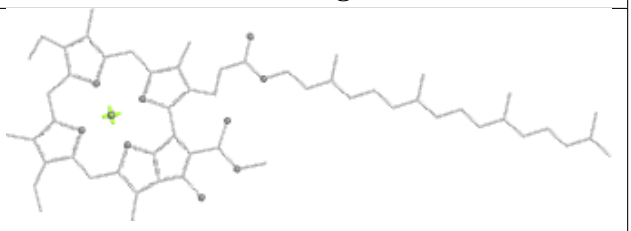


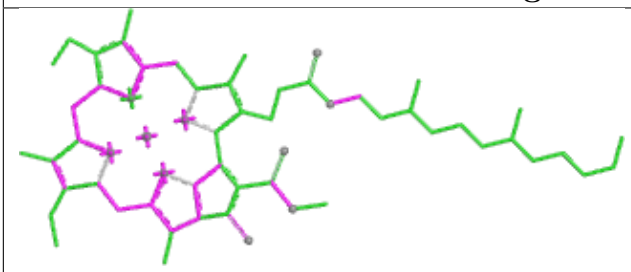
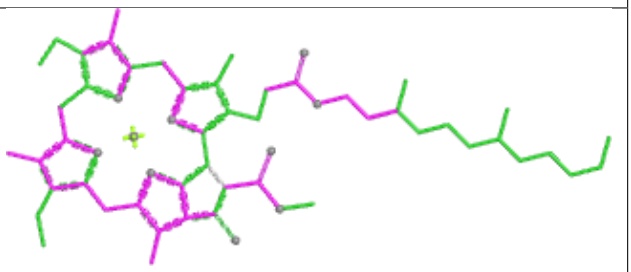
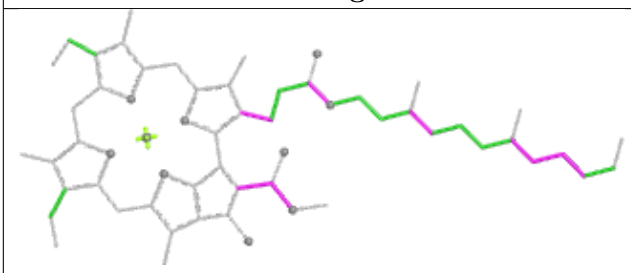
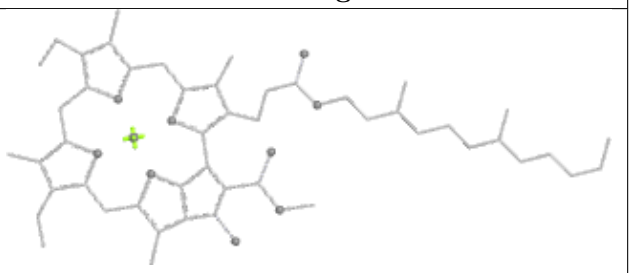
Torsions

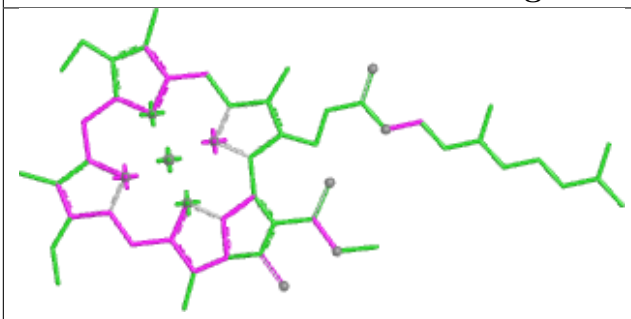
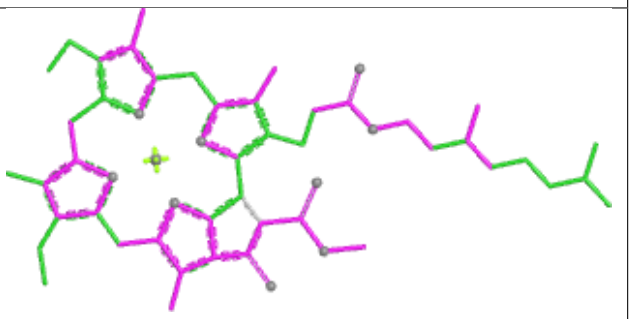
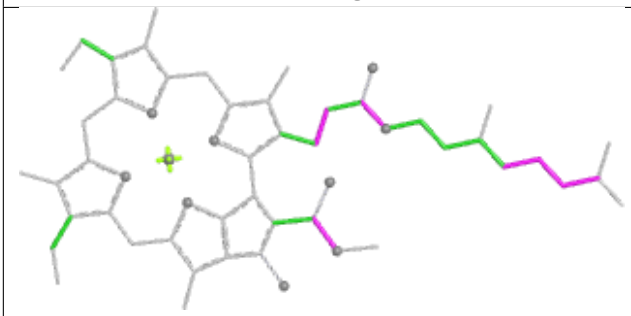
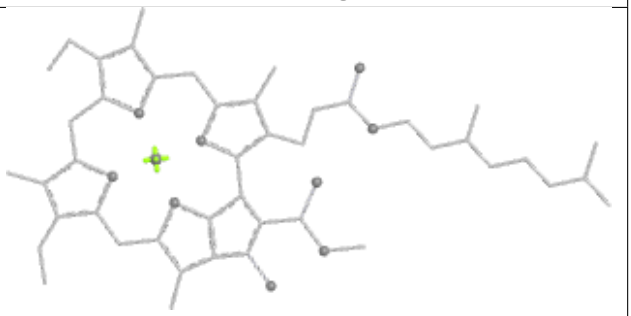


Rings

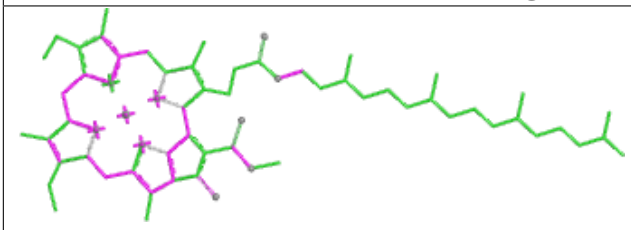
Ligand CLA B 829	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Y 854	
	
Bond lengths	Bond angles
	
Torsions	Rings

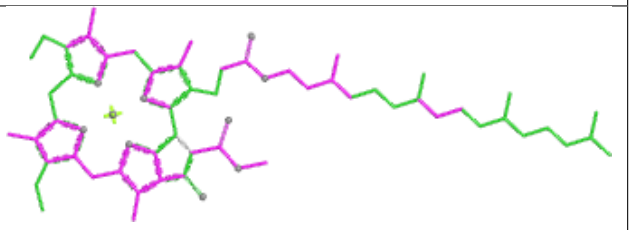
Ligand CLA A 804	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 816	
	
Bond lengths	Bond angles
	
Torsions	Rings

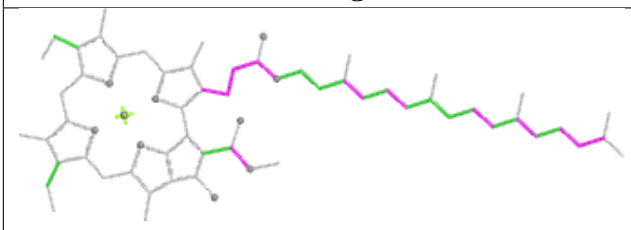
Ligand CLA G 829



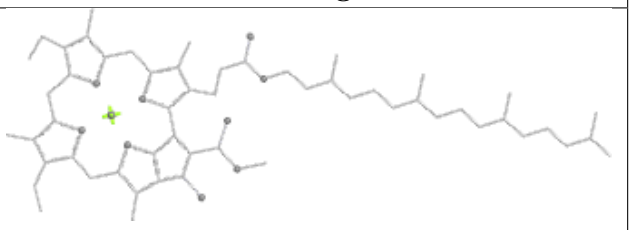
Bond lengths



Bond angles

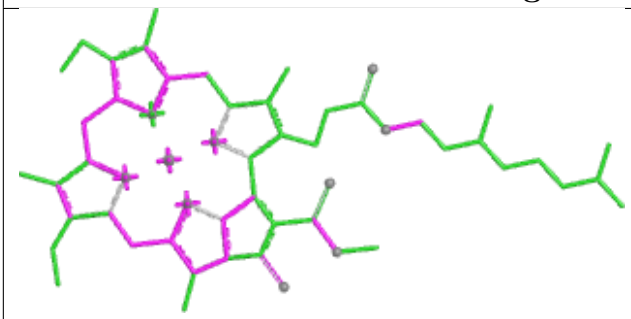


Torsions

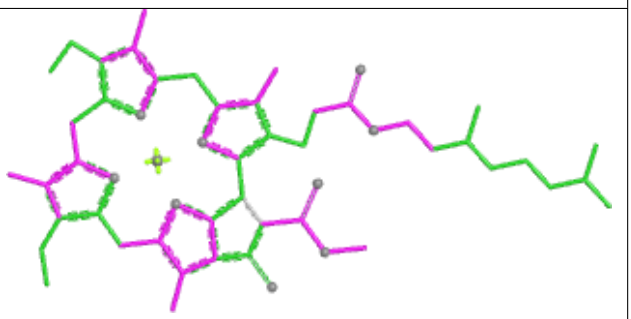


Rings

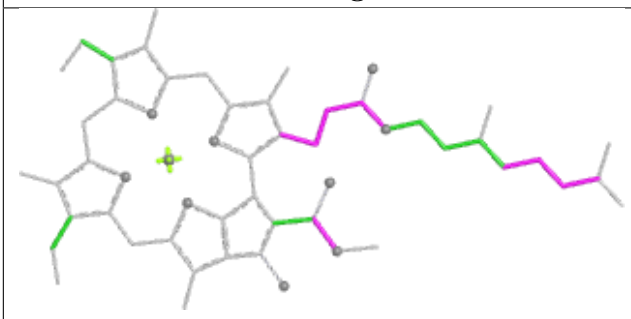
Ligand CLA H 810



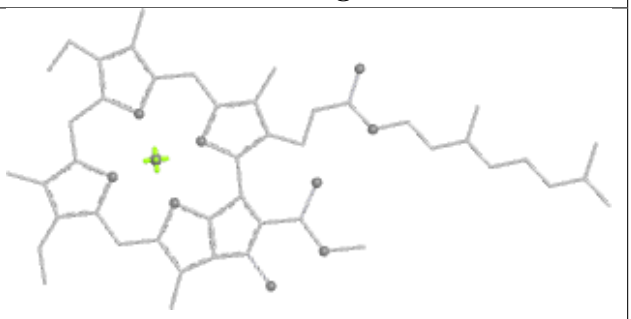
Bond lengths



Bond angles

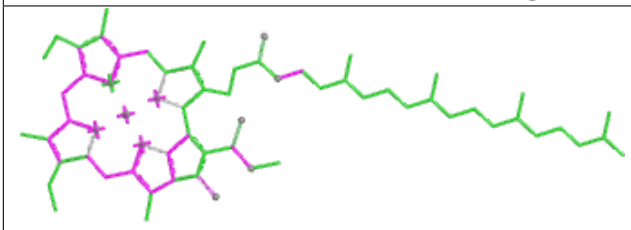


Torsions

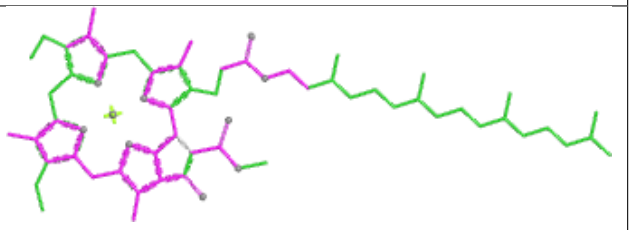


Rings

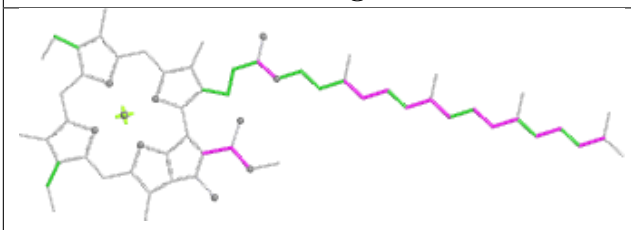
Ligand CLA Y 827



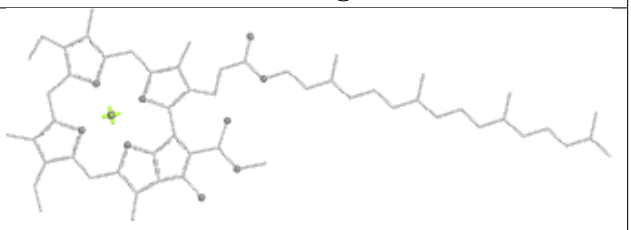
Bond lengths



Bond angles

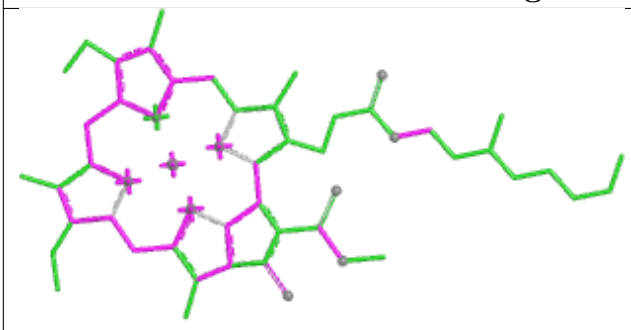


Torsions

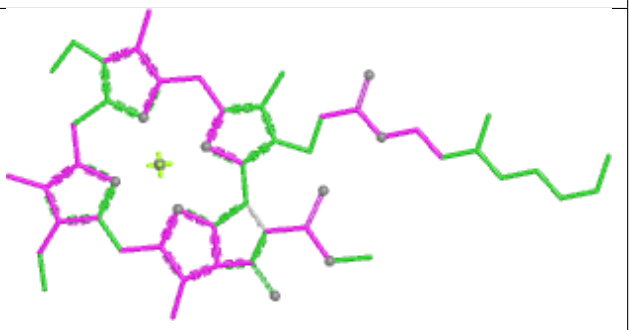


Rings

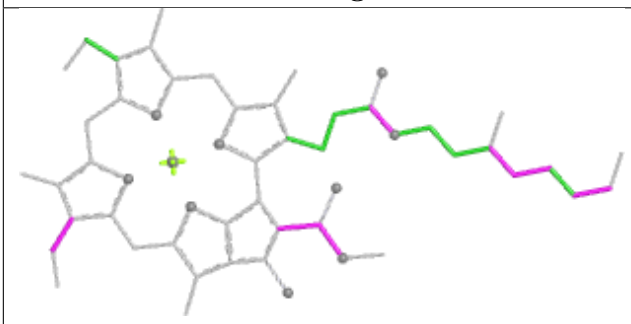
Ligand CLA B 805



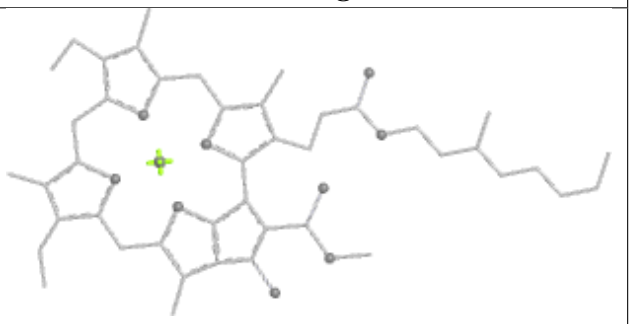
Bond lengths



Bond angles

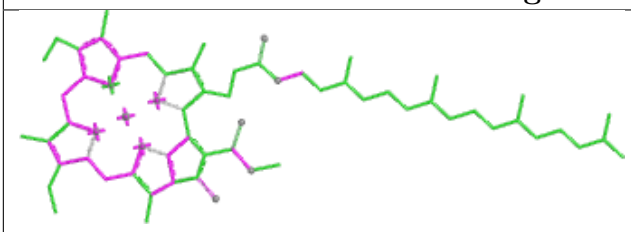


Torsions

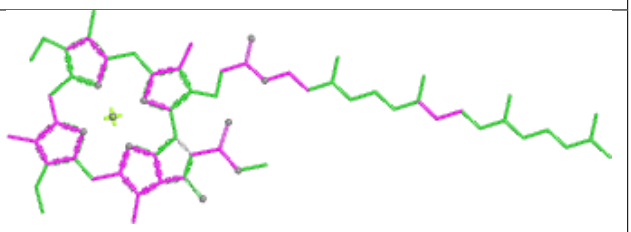


Rings

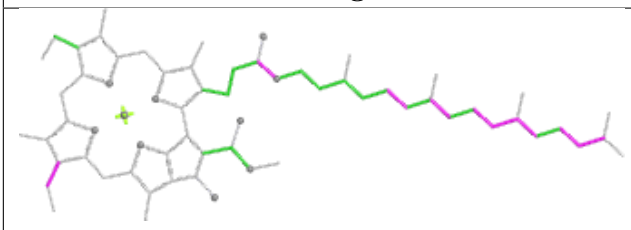
Ligand CLA A 832



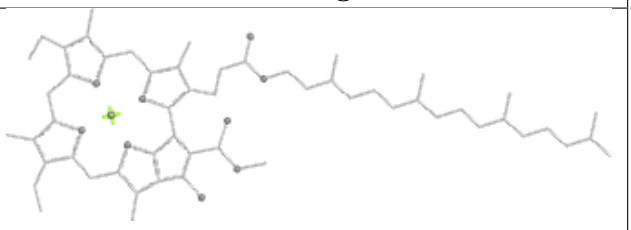
Bond lengths



Bond angles

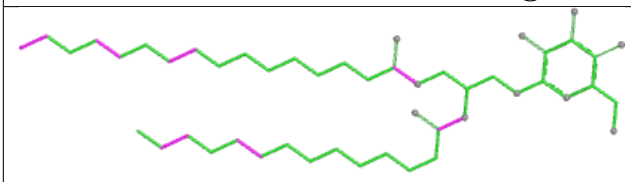


Torsions

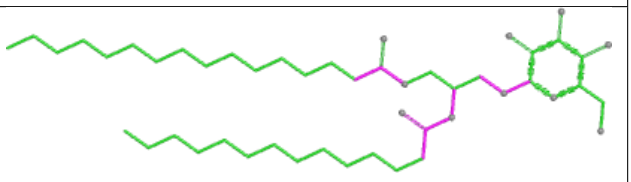


Rings

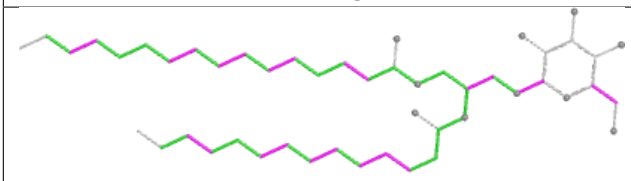
Ligand LMG Z 847



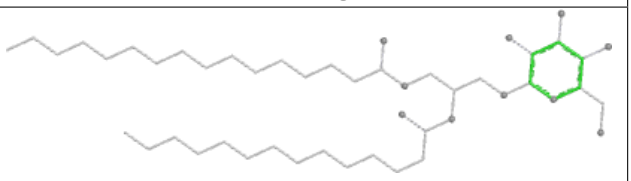
Bond lengths



Bond angles

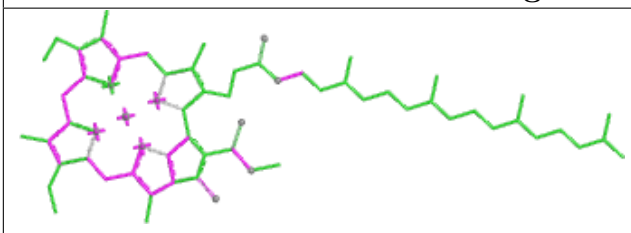


Torsions

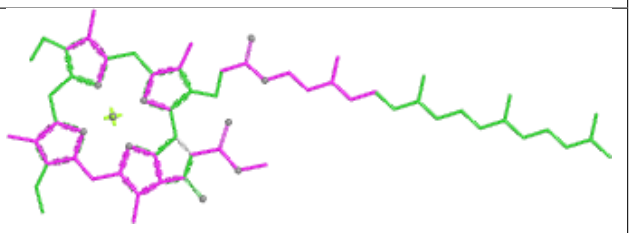


Rings

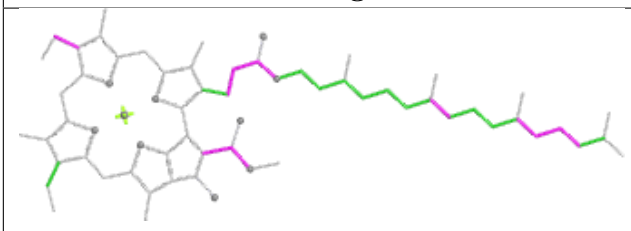
Ligand CLA A 837



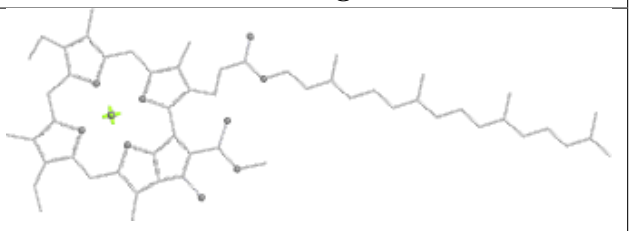
Bond lengths



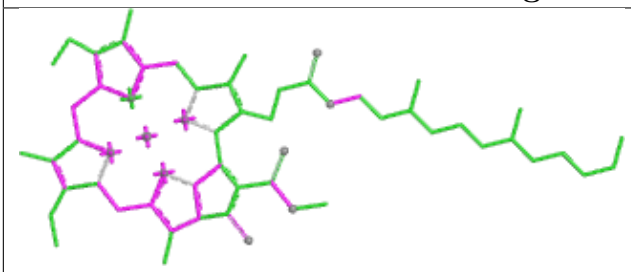
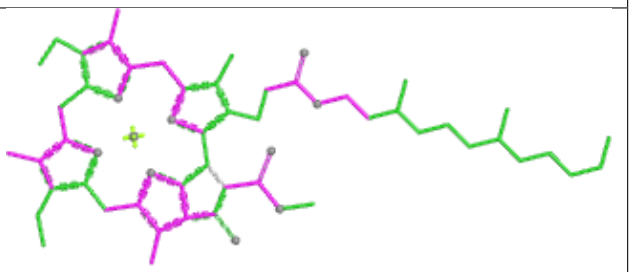
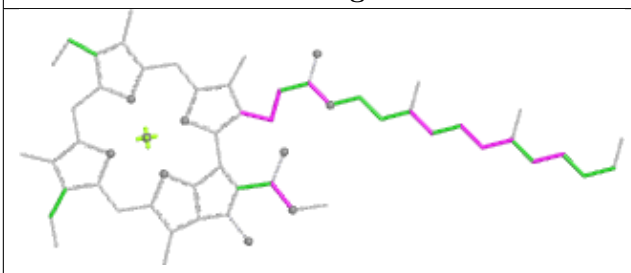
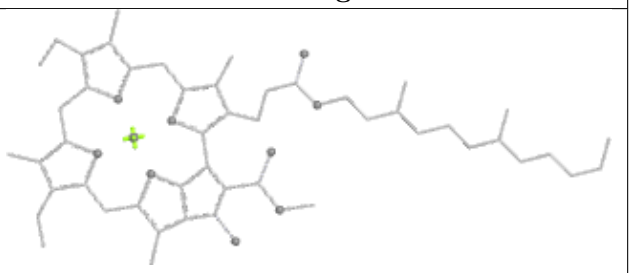
Bond angles

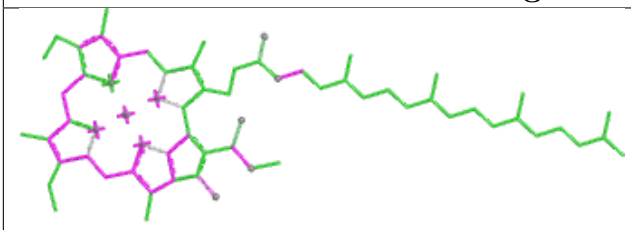
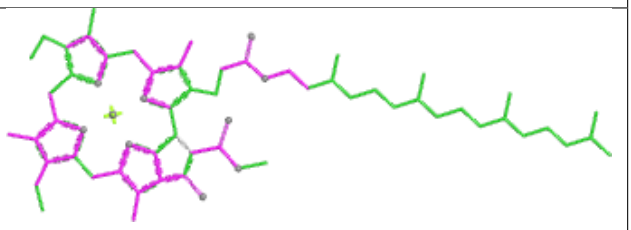
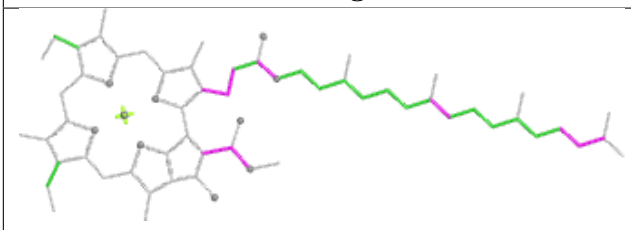
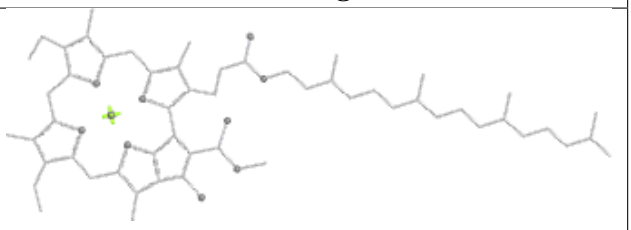


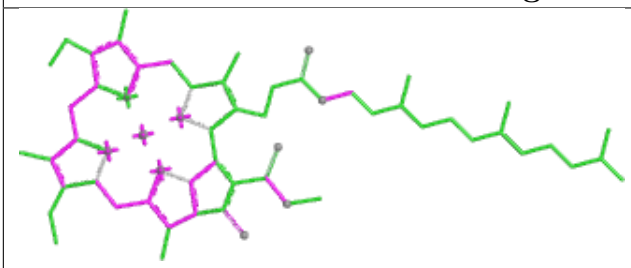
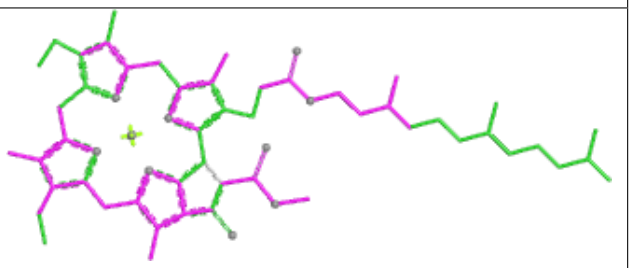
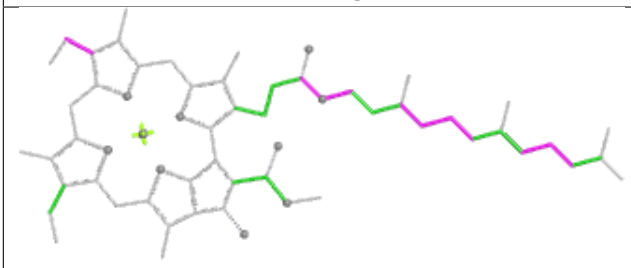
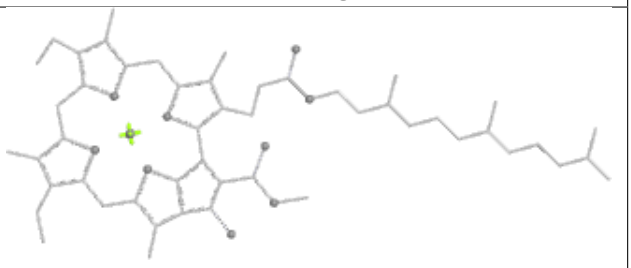
Torsions

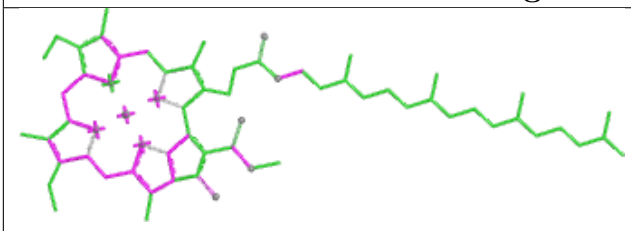
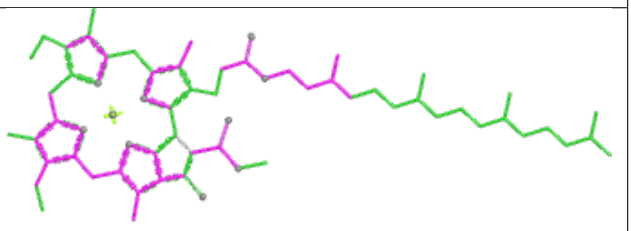
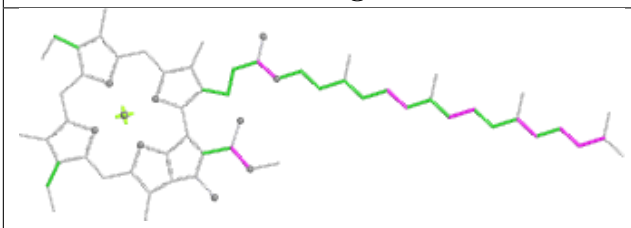
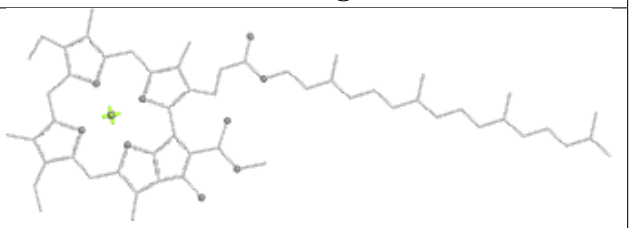


Rings

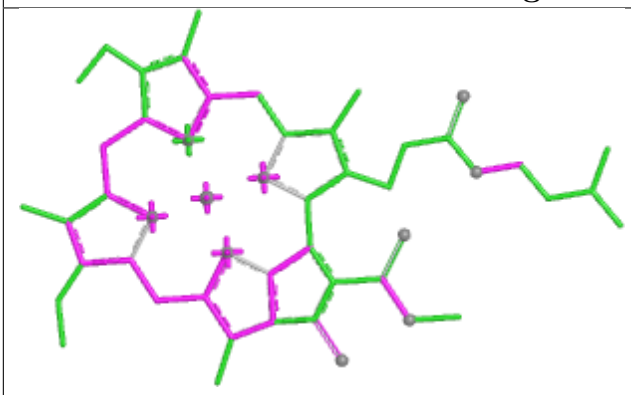
Ligand CLA G 804	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Y 840	
	
Bond lengths	Bond angles
	
Torsions	Rings

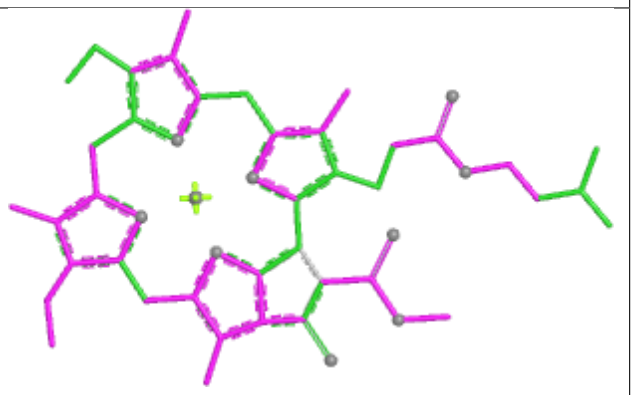
Ligand CLA G 817	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 829	
	
Bond lengths	Bond angles
	
Torsions	Rings

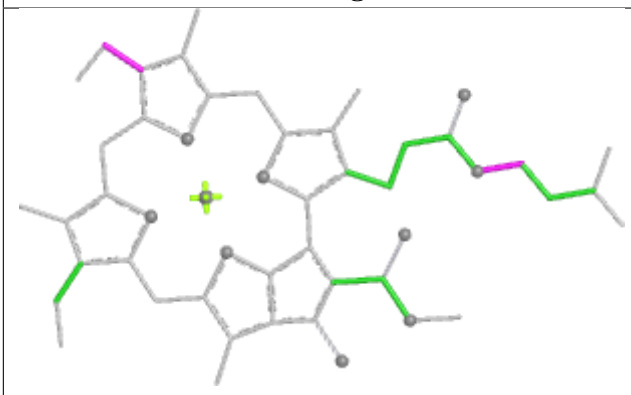
Ligand CLA G 838



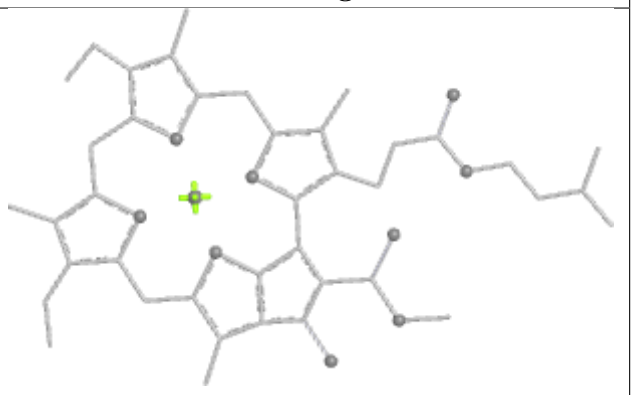
Bond lengths



Bond angles

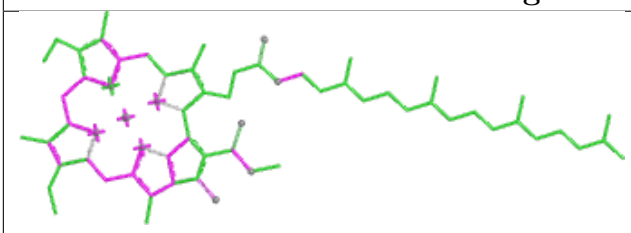


Torsions

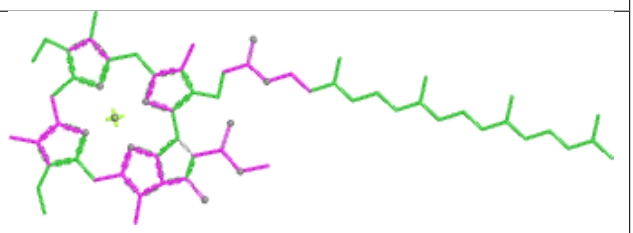


Rings

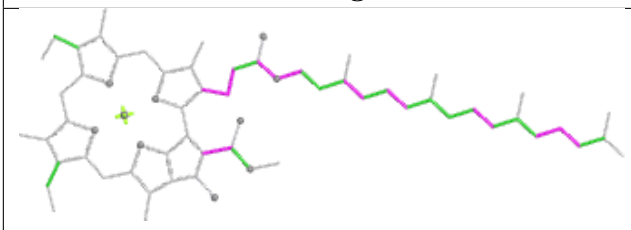
Ligand CLA G 830



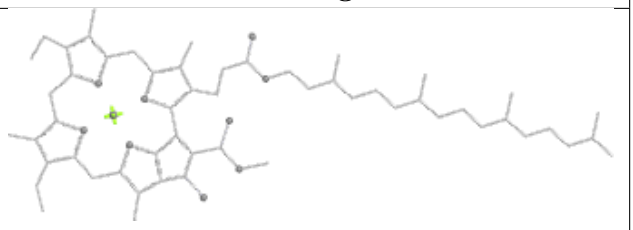
Bond lengths



Bond angles

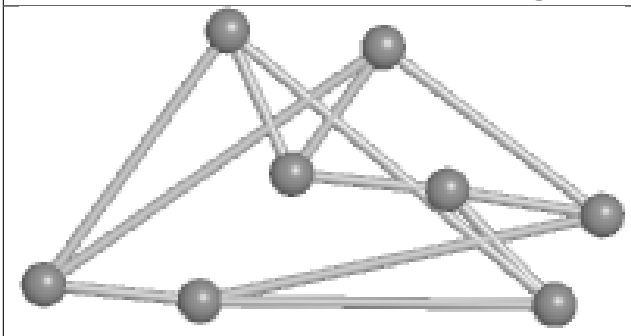


Torsions

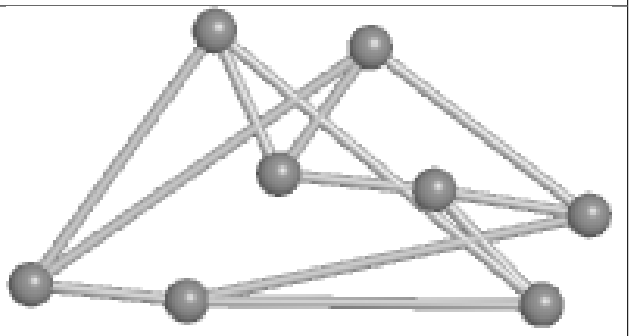


Rings

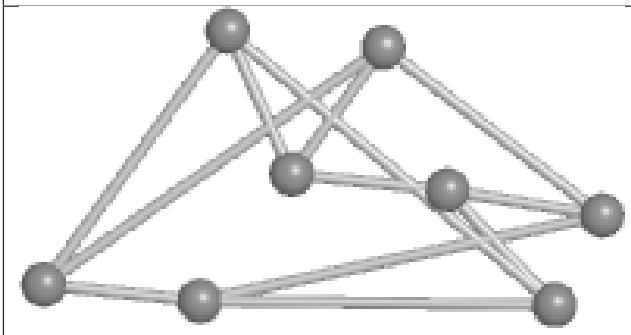
Ligand SF4 N 102



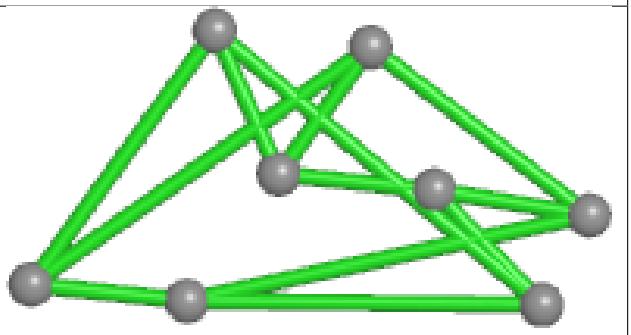
Bond lengths



Bond angles

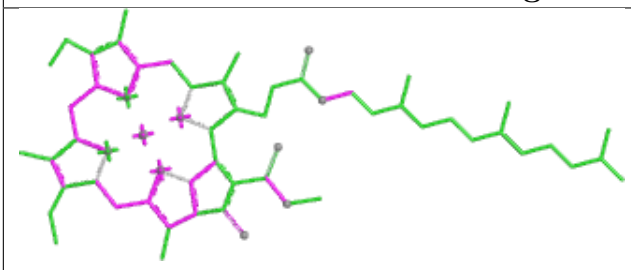


Torsions

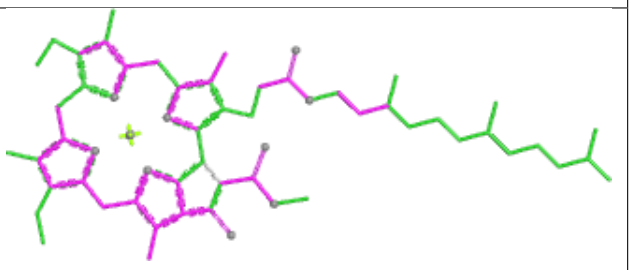


Rings

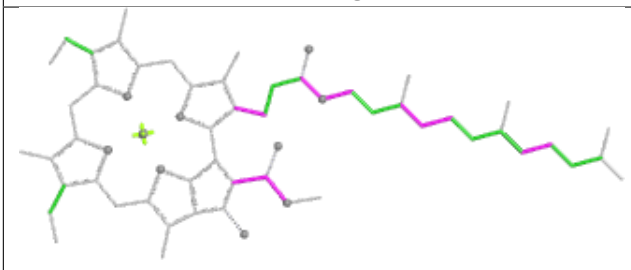
Ligand CLA H 834



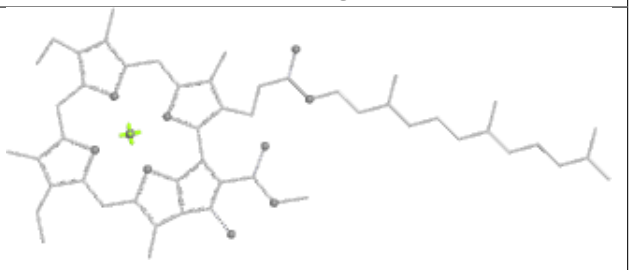
Bond lengths



Bond angles

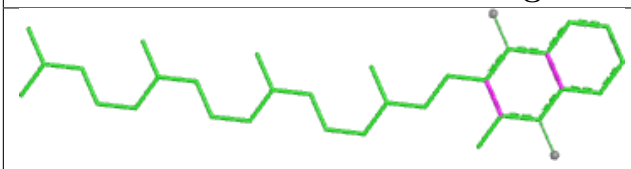


Torsions

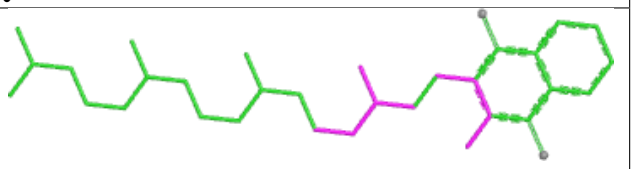


Rings

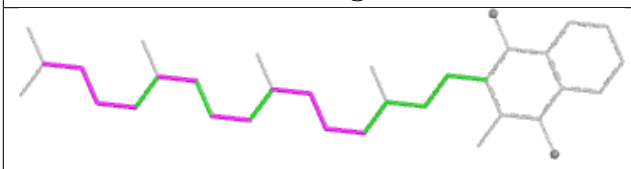
Ligand PQN Z 840



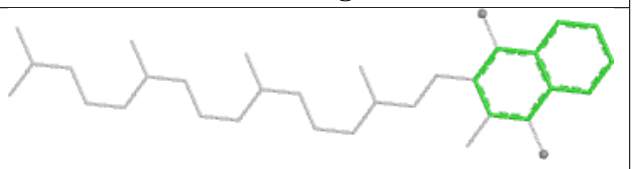
Bond lengths



Bond angles

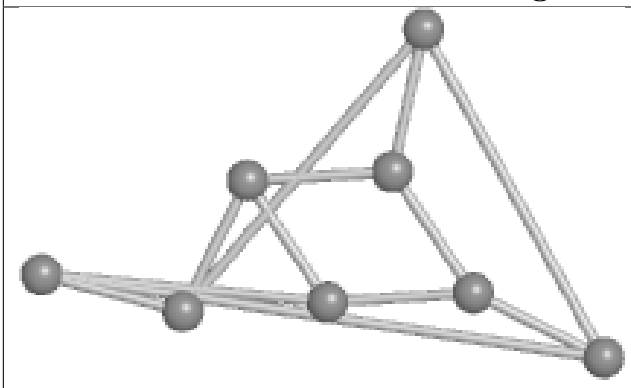


Torsions

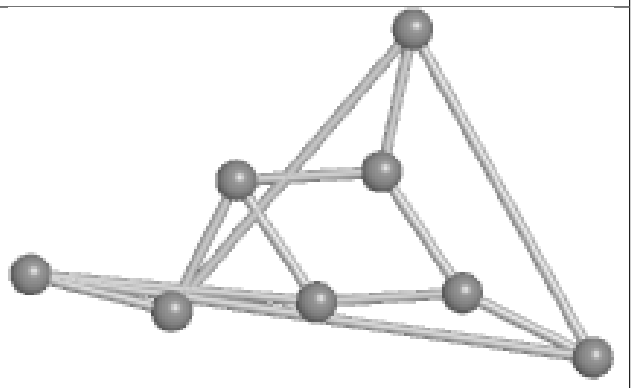


Rings

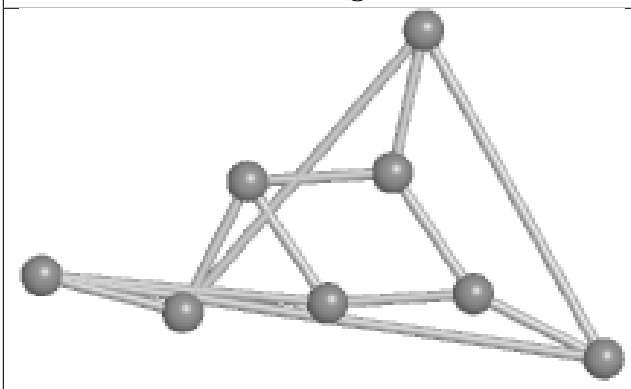
Ligand SF4 C 101



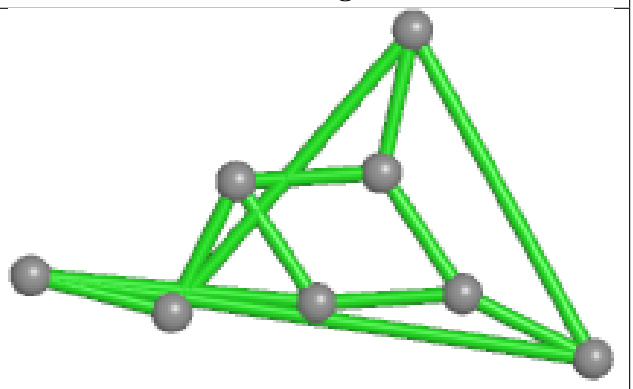
Bond lengths



Bond angles

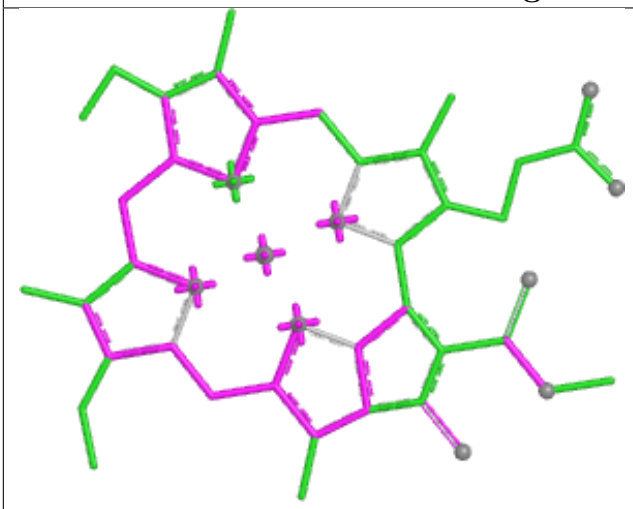


Torsions

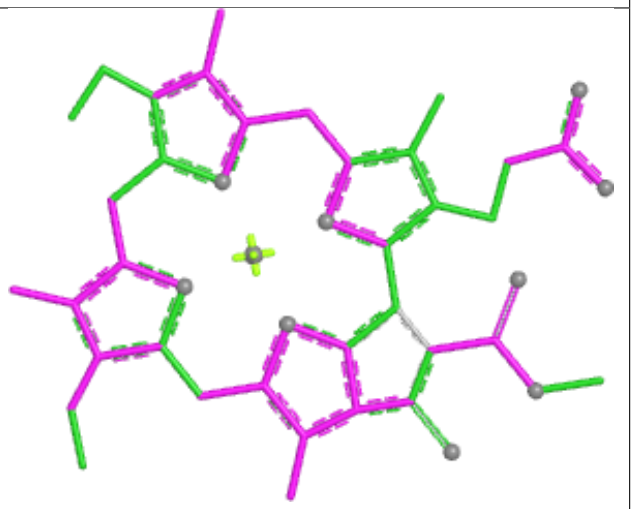


Rings

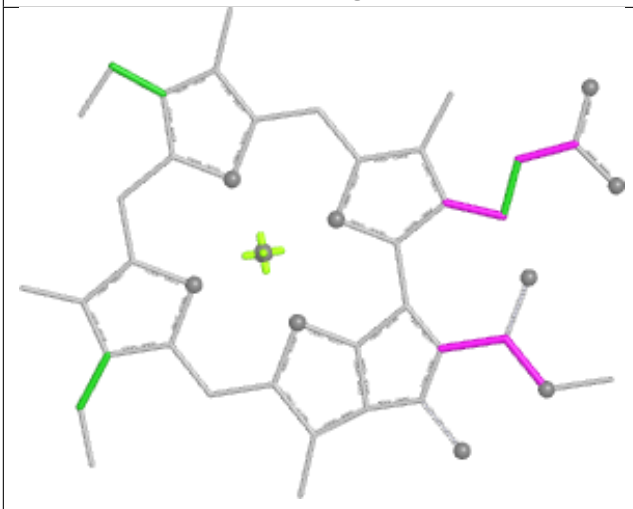
Ligand CLA H 831



Bond lengths



Bond angles

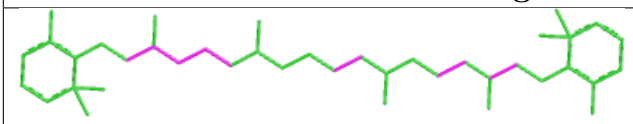


Torsions

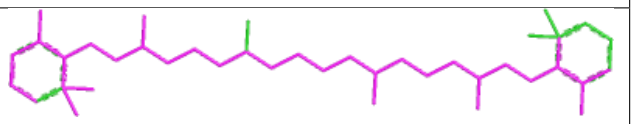


Rings

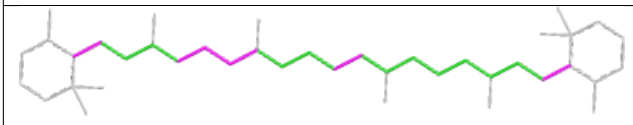
Ligand BCR V 1202



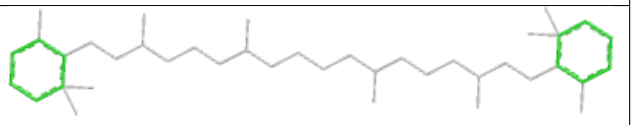
Bond lengths



Bond angles

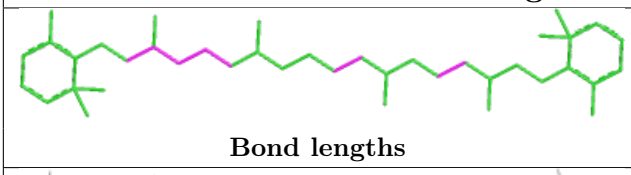


Torsions

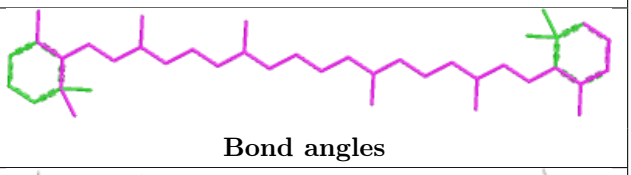


Rings

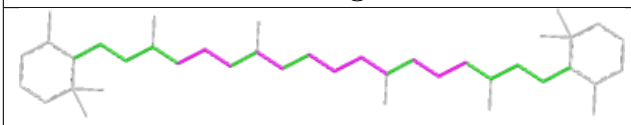
Ligand BCR d 203



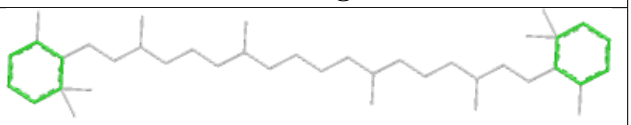
Bond lengths



Bond angles

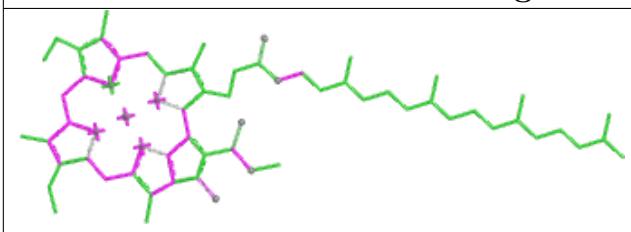


Torsions

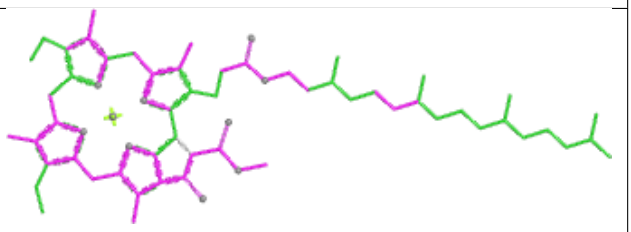


Rings

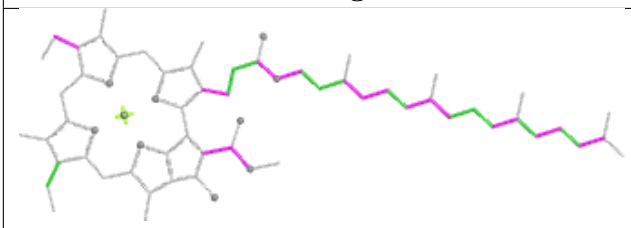
Ligand CLA U 1002



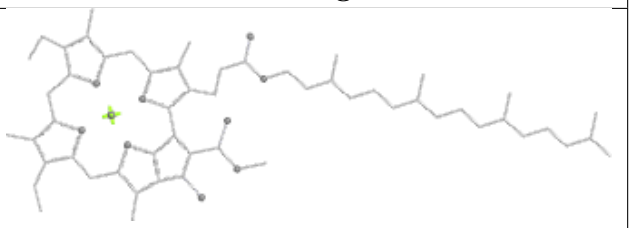
Bond lengths



Bond angles

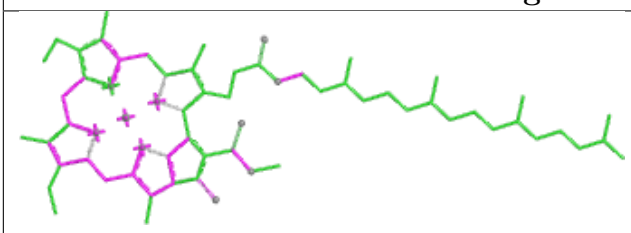


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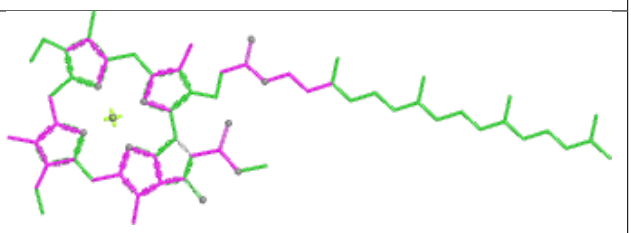


Rings

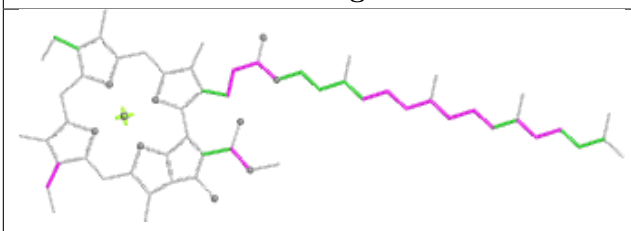
Ligand CLA H 812



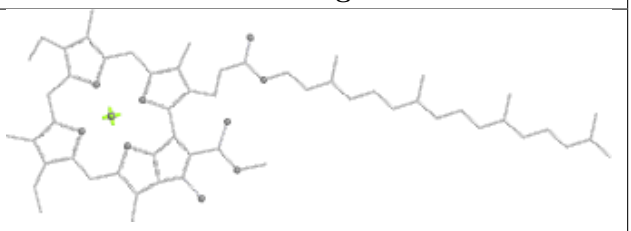
Bond lengths



Bond angles

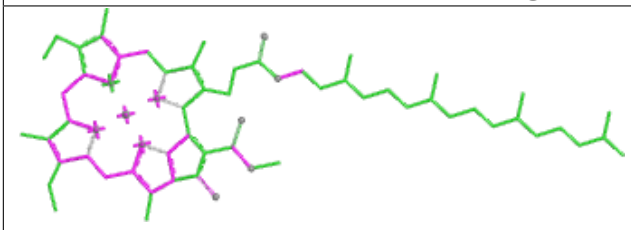


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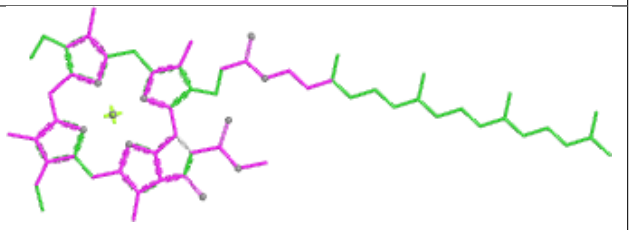


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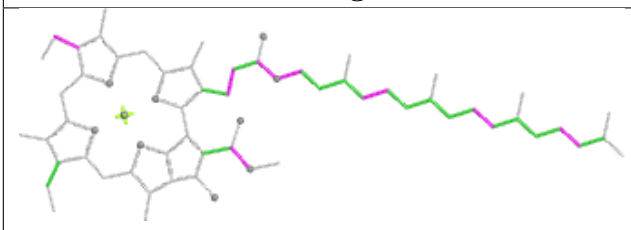
Ligand CLA B 817



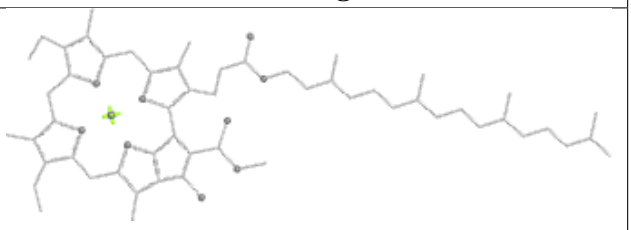
Bond lengths



Bond angles

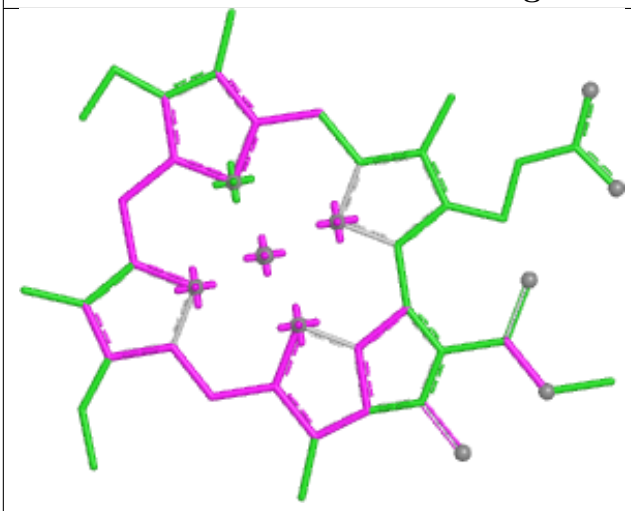


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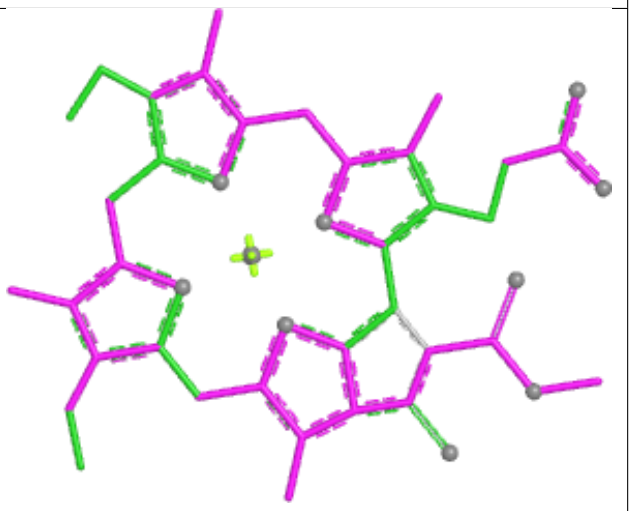


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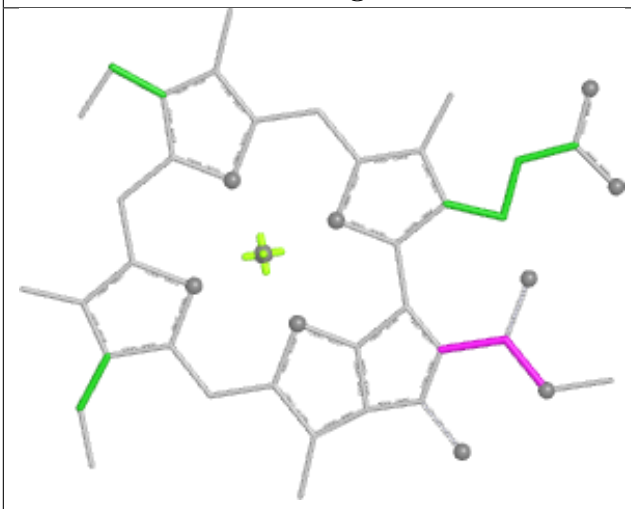
Ligand CLA H 820



Bond lengths



Bond angles

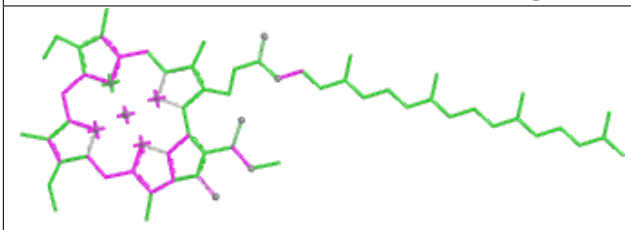


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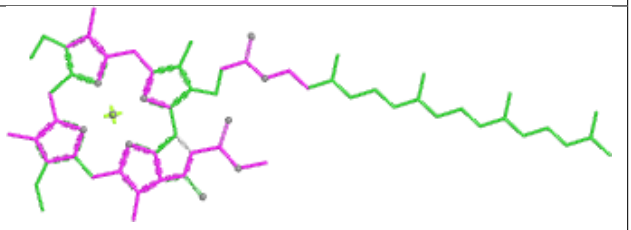


Rings

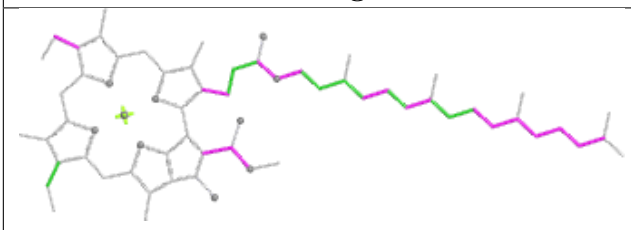
Ligand CLA h 205



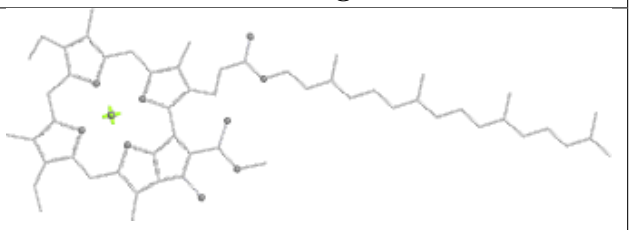
Bond lengths



Bond angles

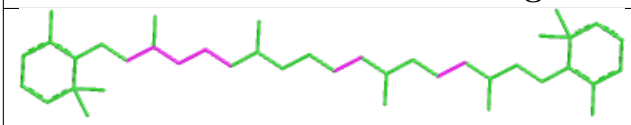


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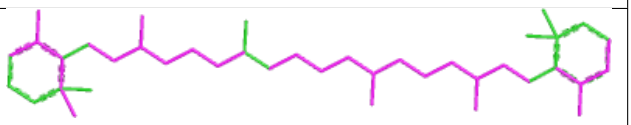


Rings

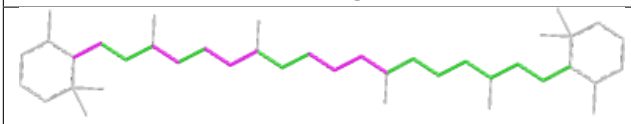
Ligand BCR L 208



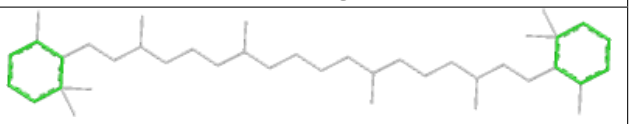
Bond lengths



Bond angles

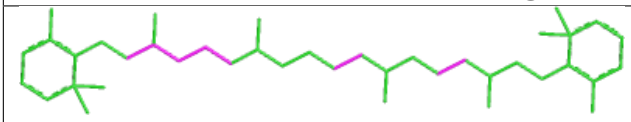


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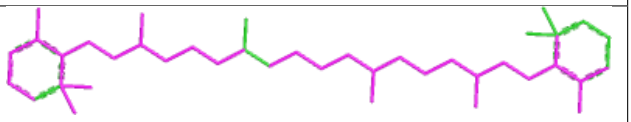


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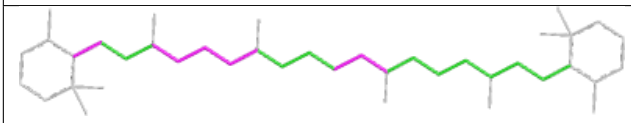
Ligand BCR A 845



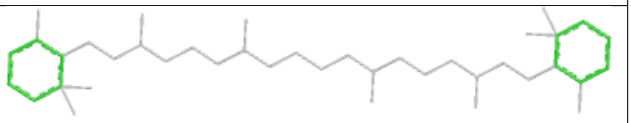
Bond lengths



Bond angles

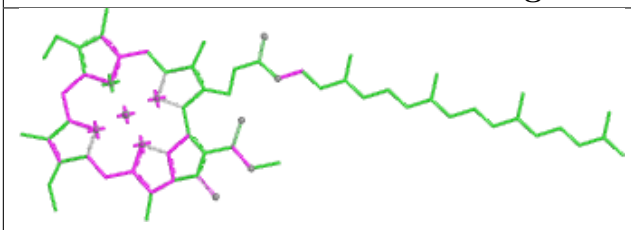


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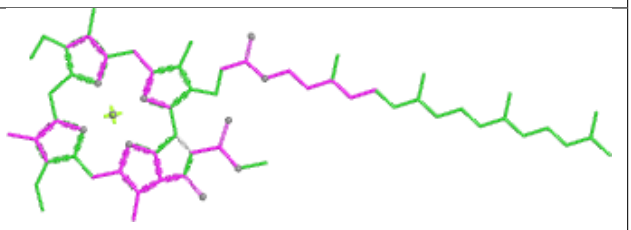


Rings

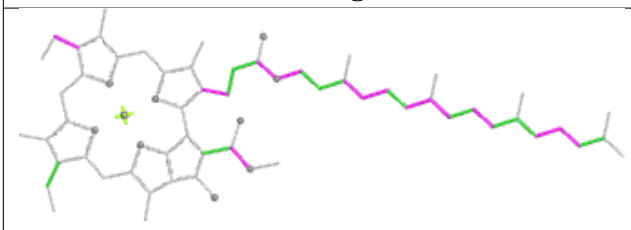
Ligand CLA B 806



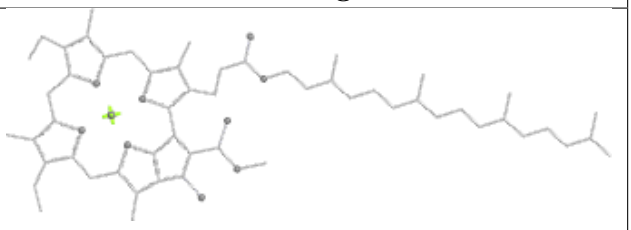
Bond lengths



Bond angles

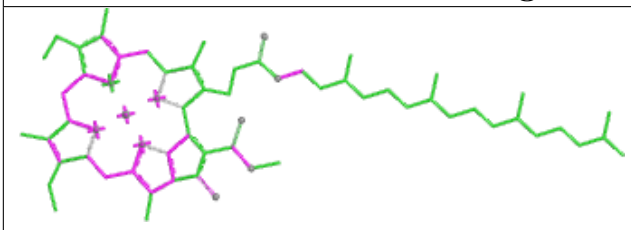


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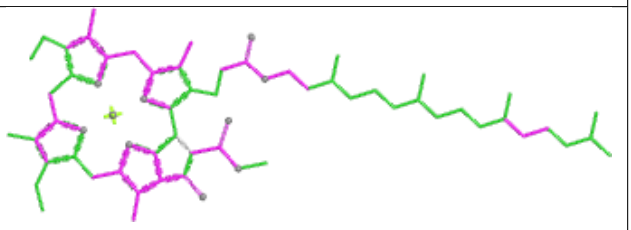


Rings

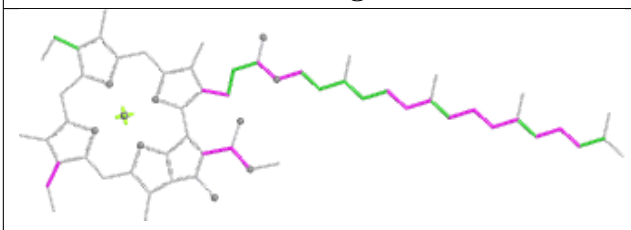
Ligand CLA S 1101



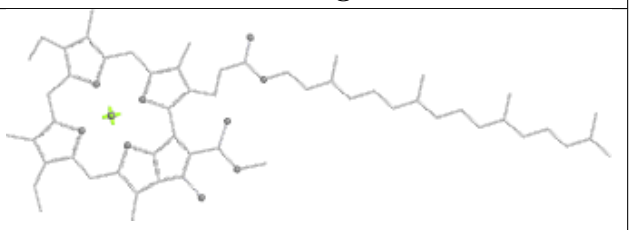
Bond lengths



Bond angles

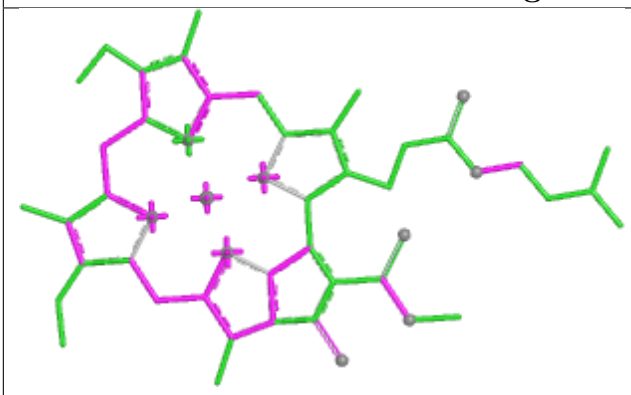


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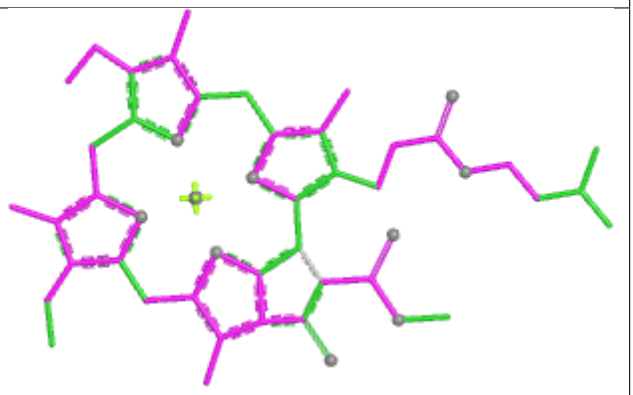


Rings

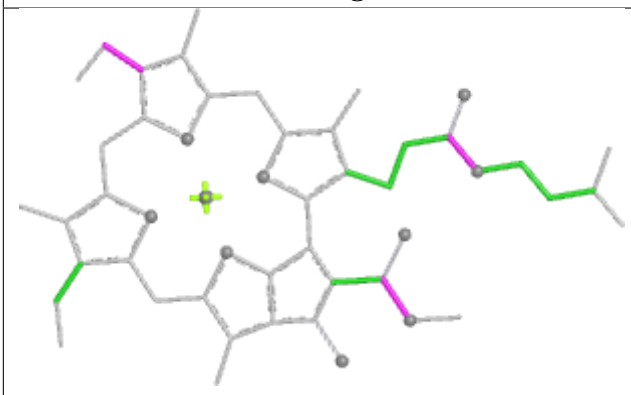
Ligand CLA Y 816



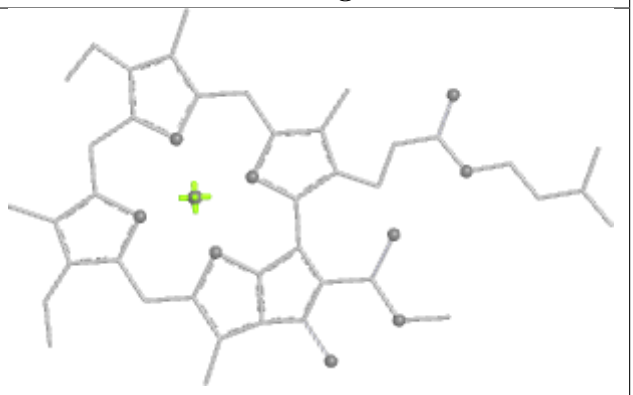
Bond lengths



Bond angles

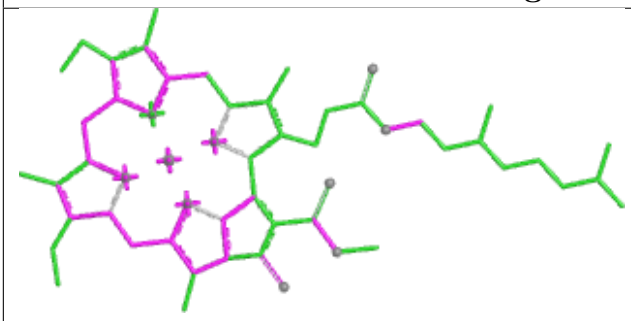


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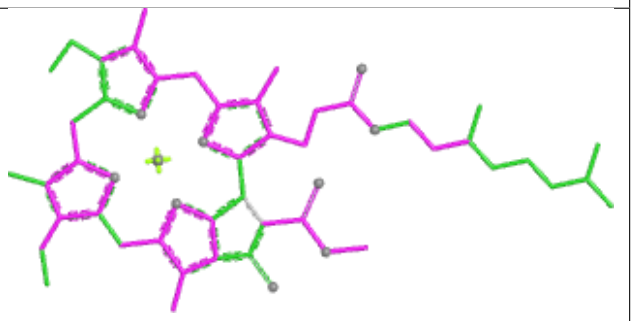


Rings

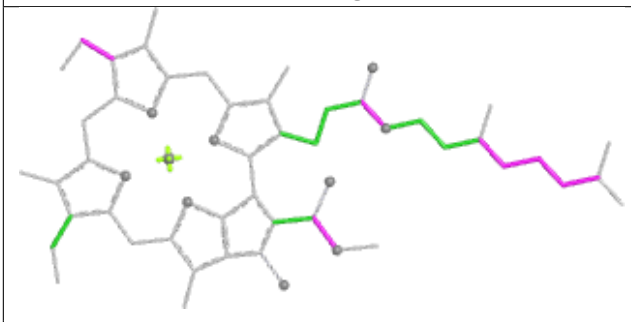
Ligand CLA B 833



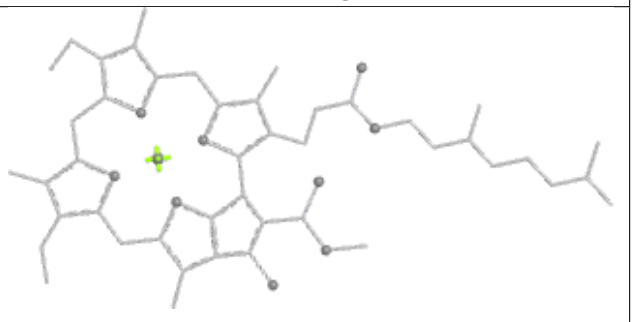
Bond lengths



Bond angles

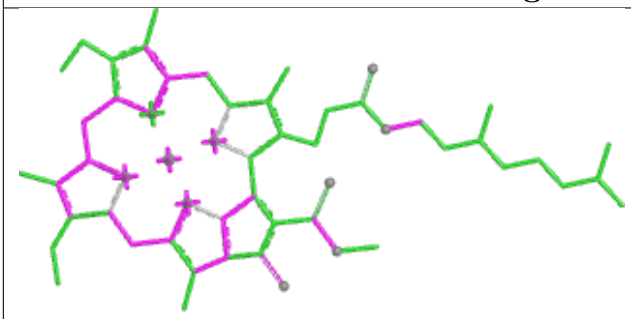


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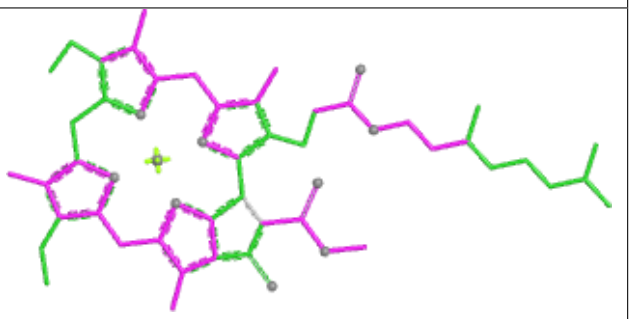


Rings

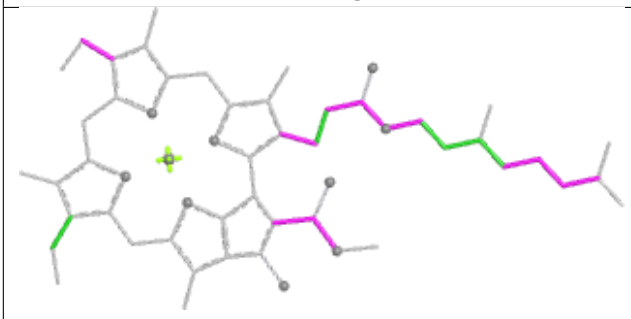
Ligand CLA H 830



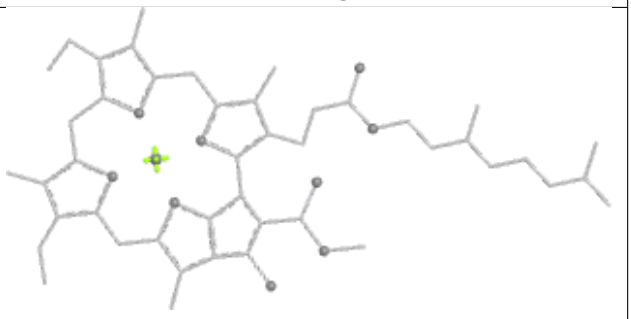
Bond lengths



Bond angles

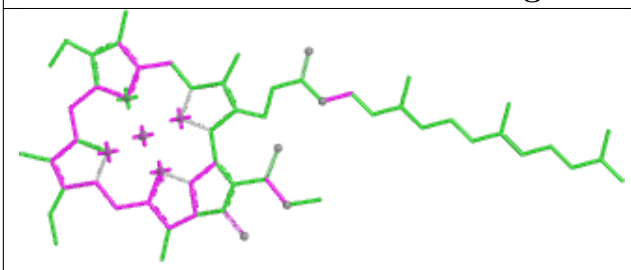


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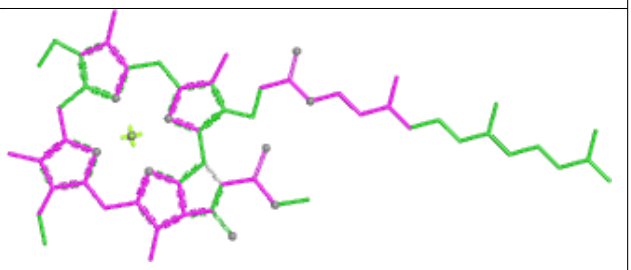


Rings

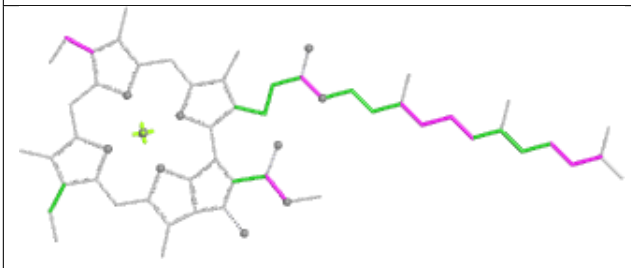
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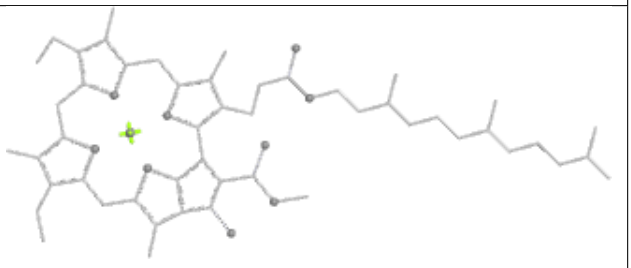
Bond lengths



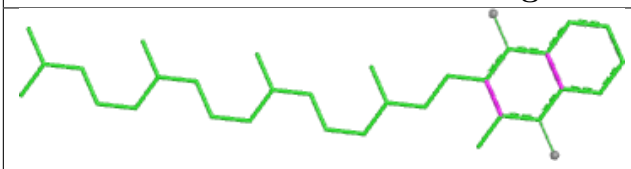
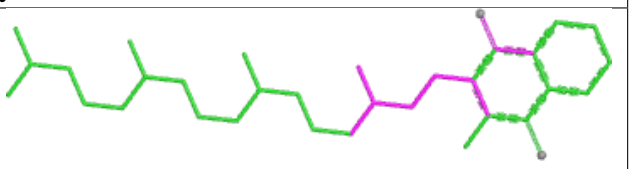
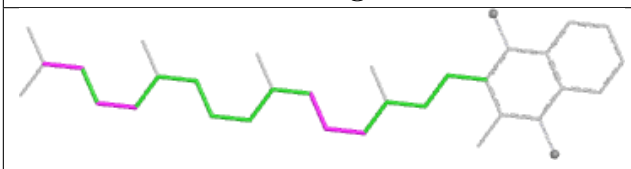
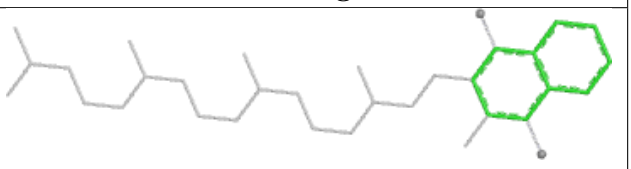
Bond angles

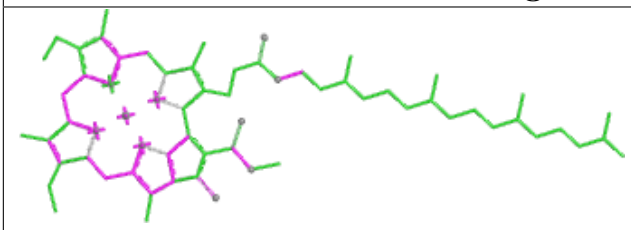
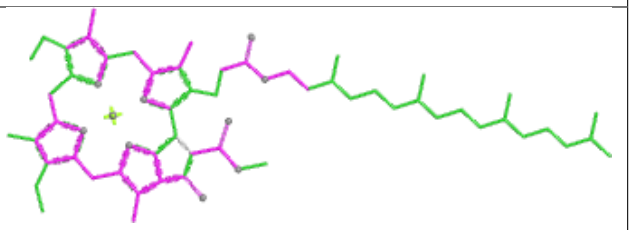
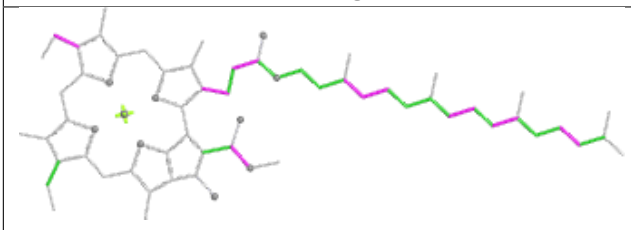
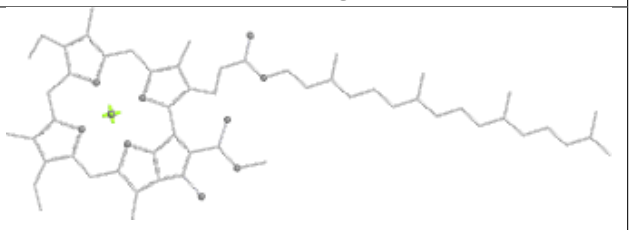


Torsions

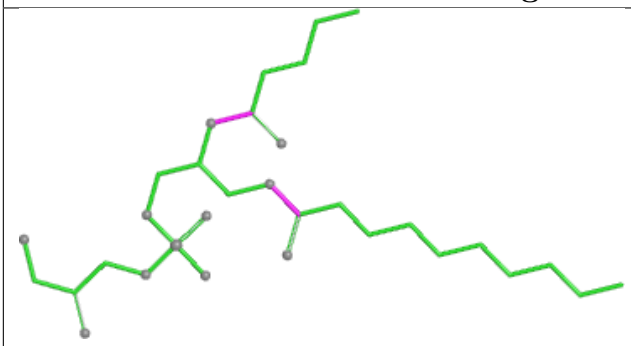


Rings

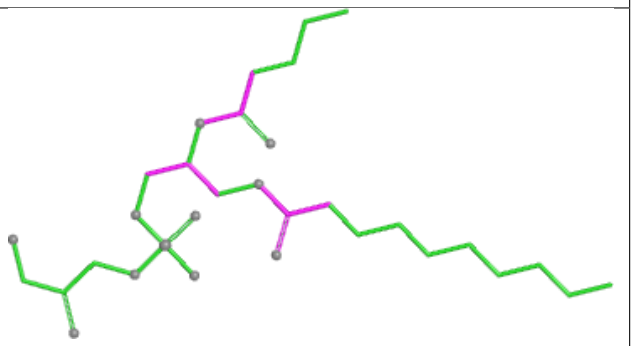
Ligand PQN A 843	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 838	
 Bond lengths	 Bond angles
 Torsions	 Rings

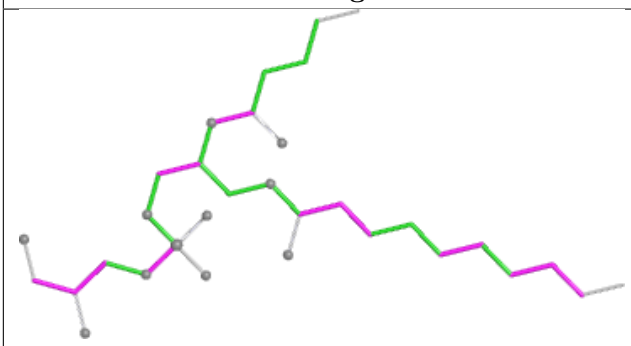
Ligand LHG G 852



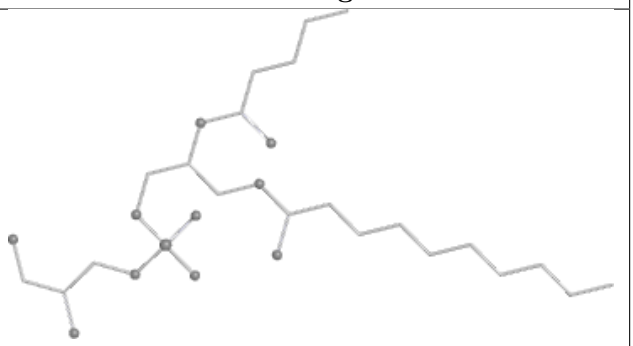
Bond lengths



Bond angles

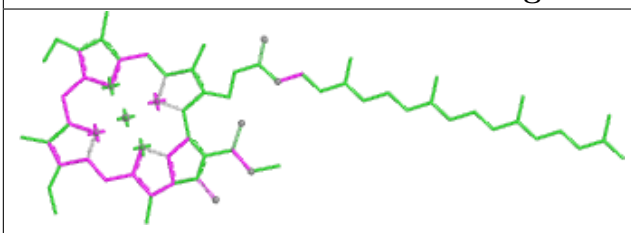


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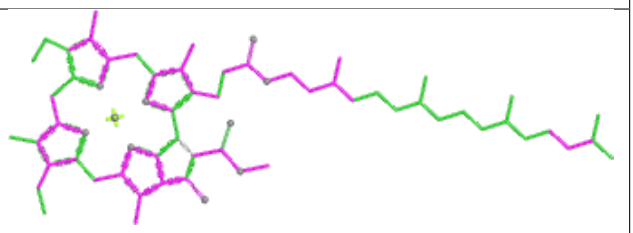


Rings

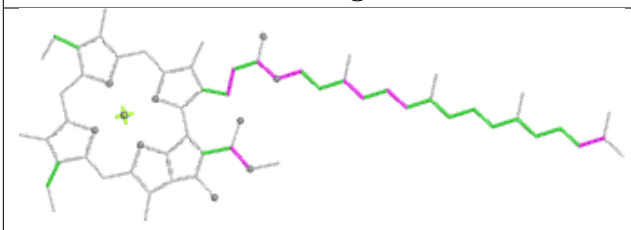
Ligand CLA A 841



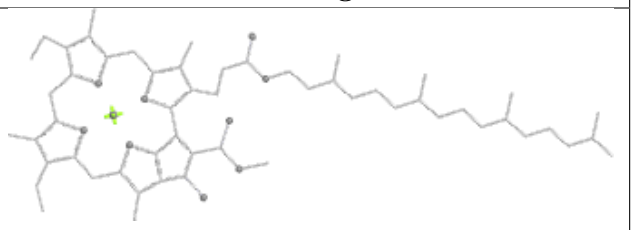
Bond lengths



Bond angles

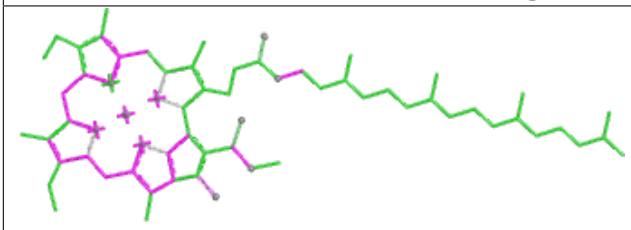


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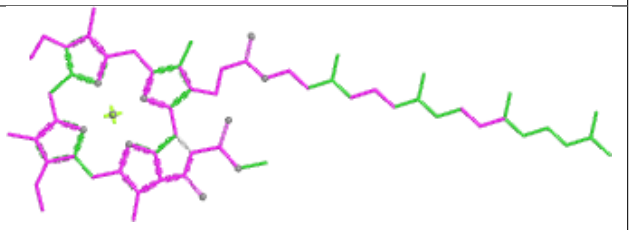


Rings

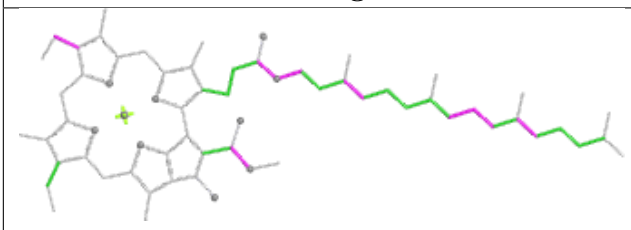
Ligand CLA A 802



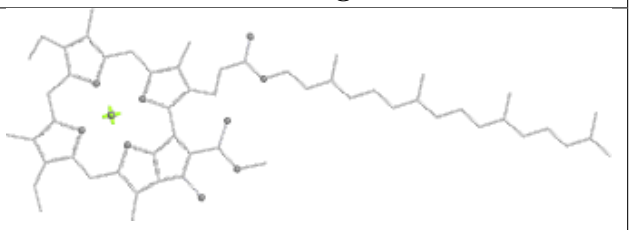
Bond lengths



Bond angles

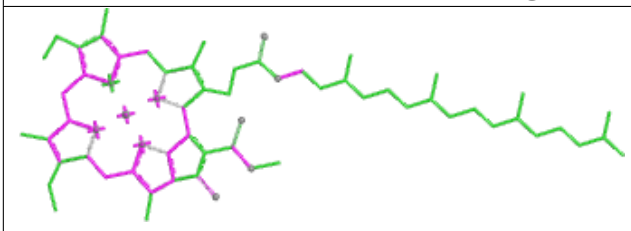


Torsions

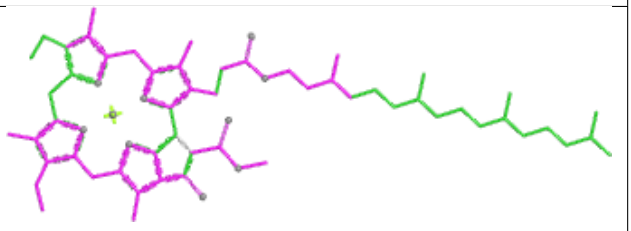


Rings

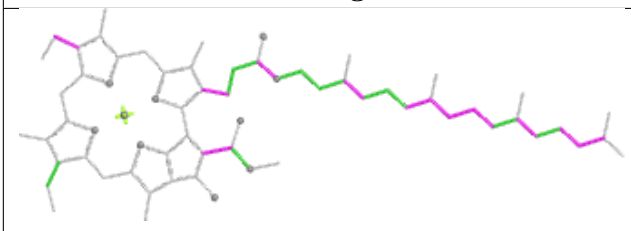
Ligand CLA H 824



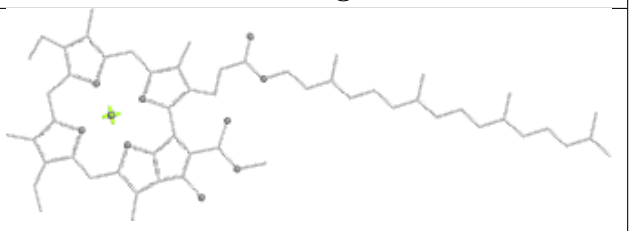
Bond lengths



Bond angles

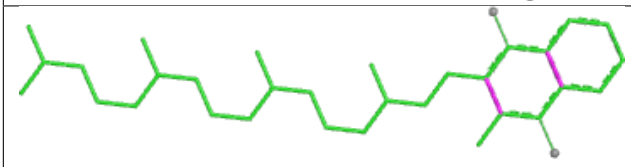


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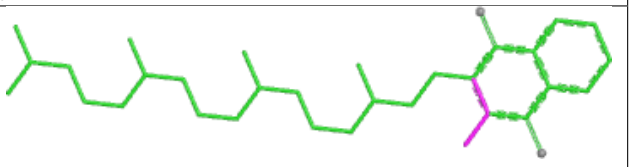


Rings

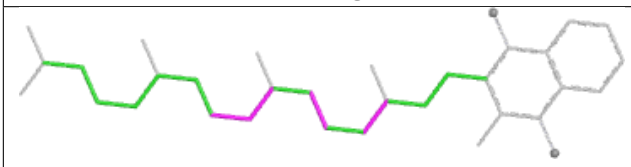
Ligand PQN Y 844



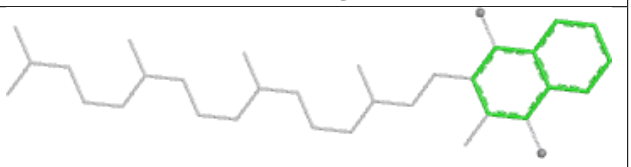
Bond lengths



Bond angles

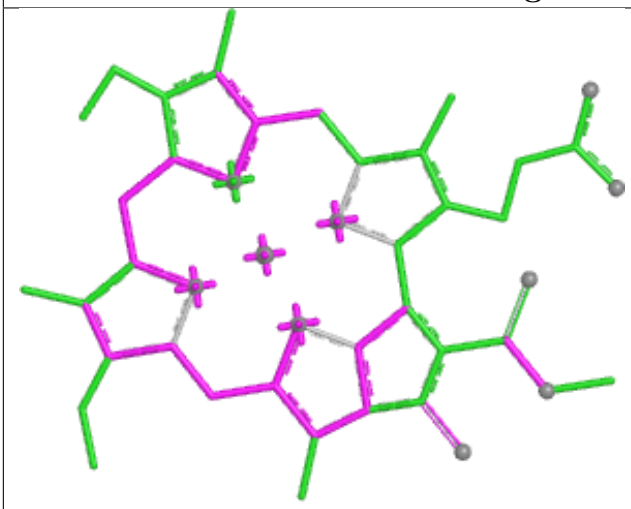


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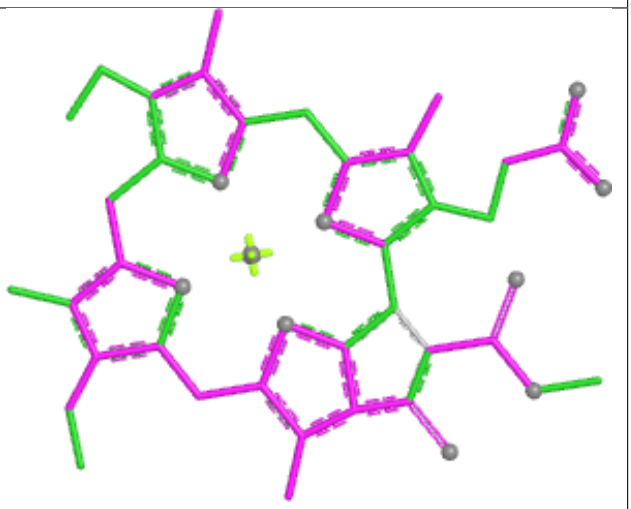


Rings

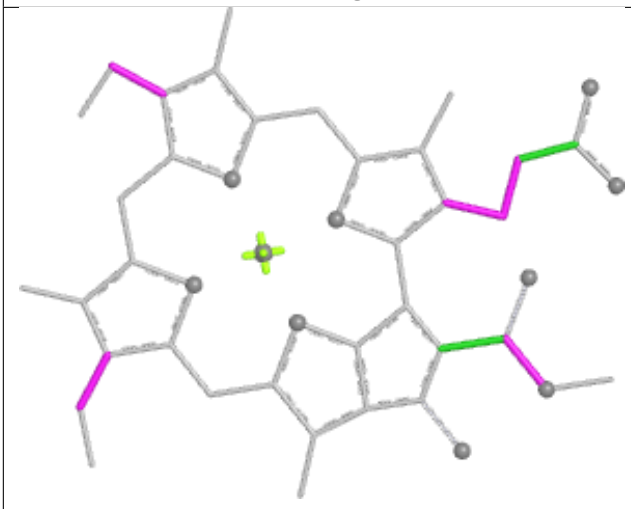
Ligand CLA B 831



Bond lengths



Bond angles

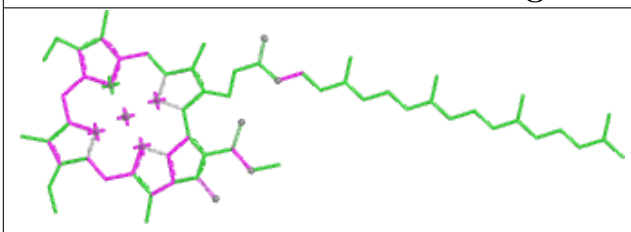


Torsions

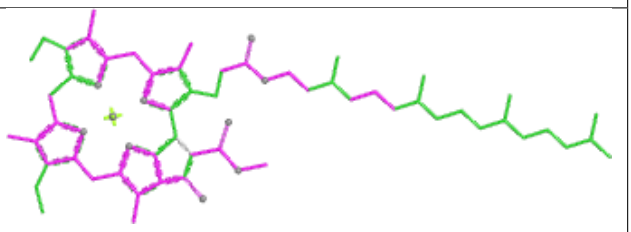


Rings

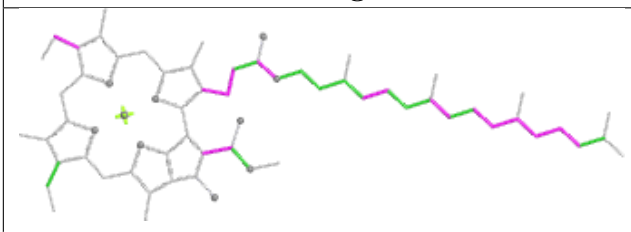
Ligand CLA Z 824



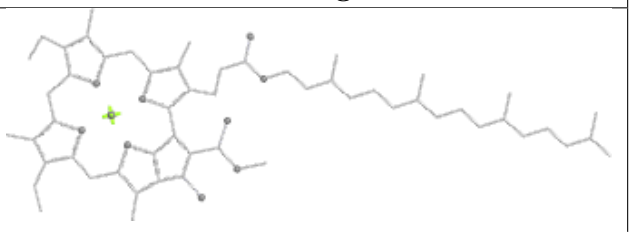
Bond lengths



Bond angles

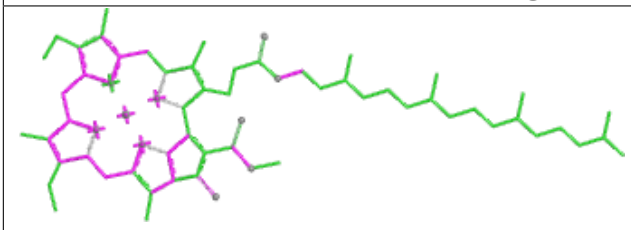


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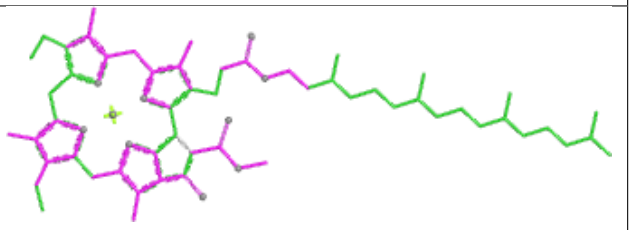


Rings

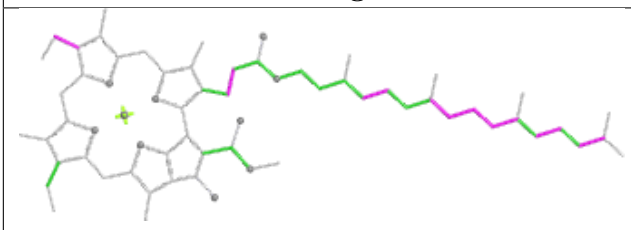
Ligand CLA B 840



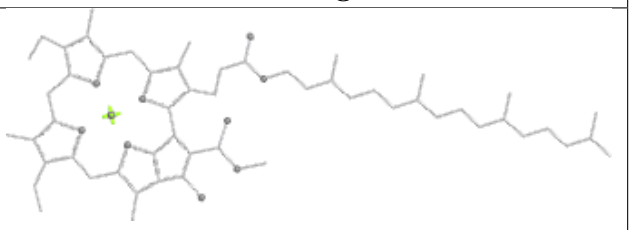
Bond lengths



Bond angles

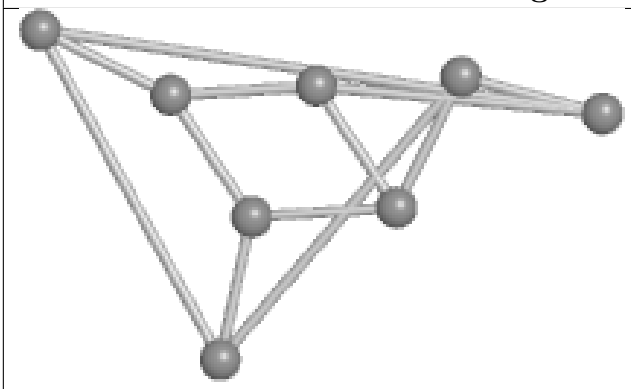


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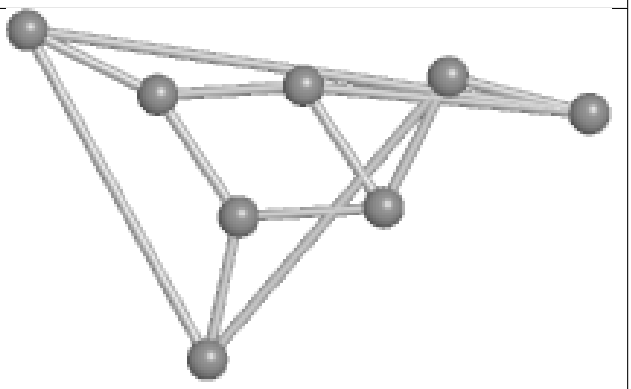


Rings

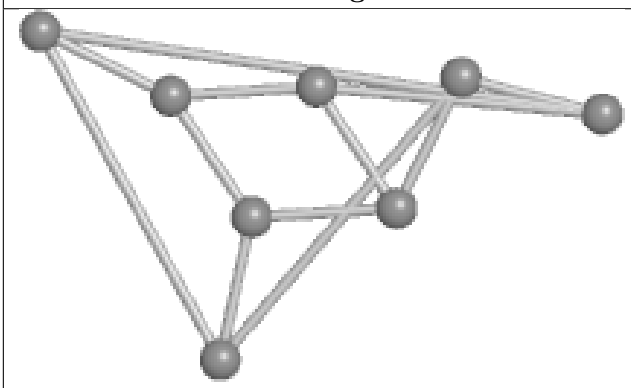
Ligand SF4 Y 845



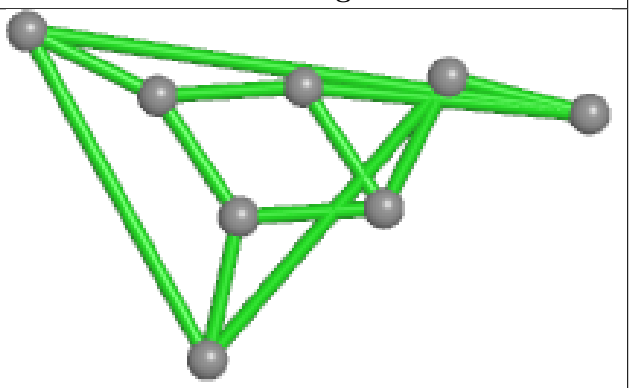
Bond lengths



Bond angles

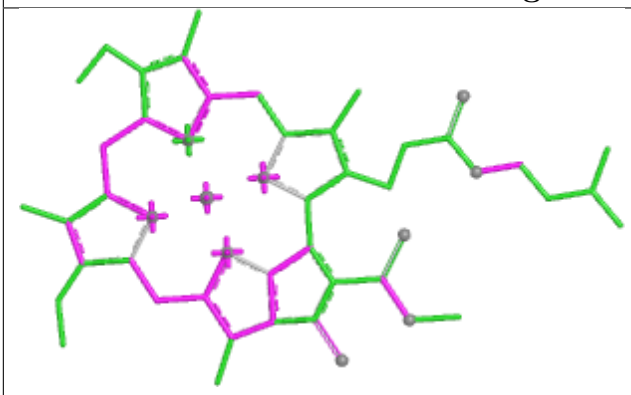


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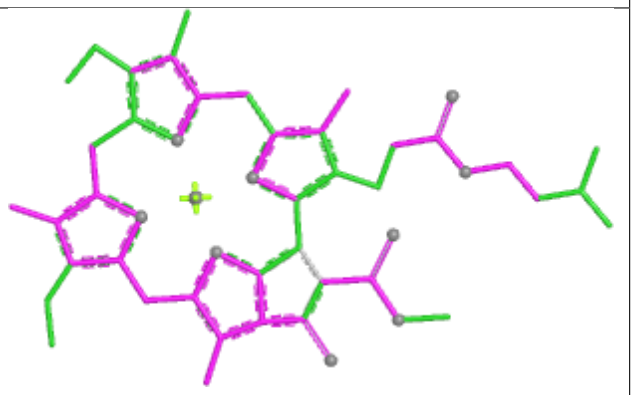


Rings

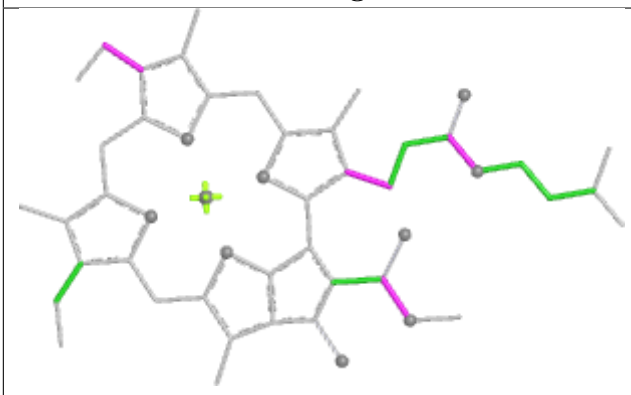
Ligand CLA G 831



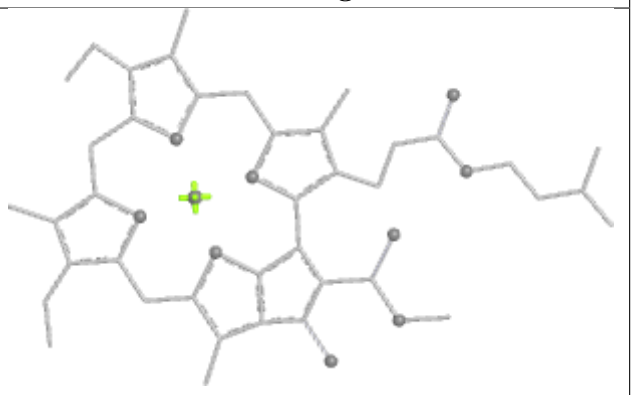
Bond lengths



Bond angles

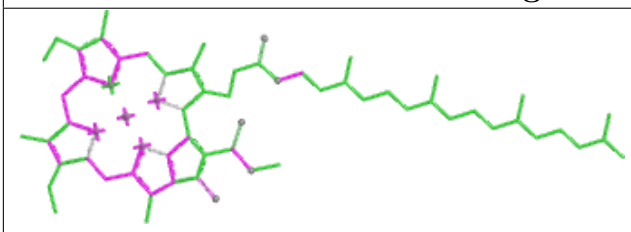


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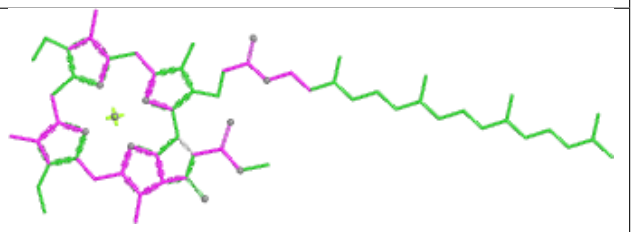


Rings

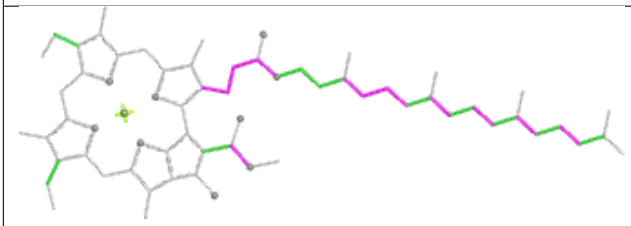
Ligand CLA G 806



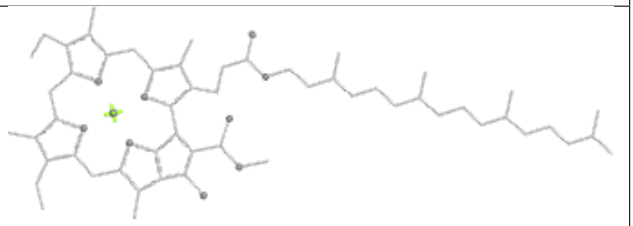
Bond lengths



Bond angles

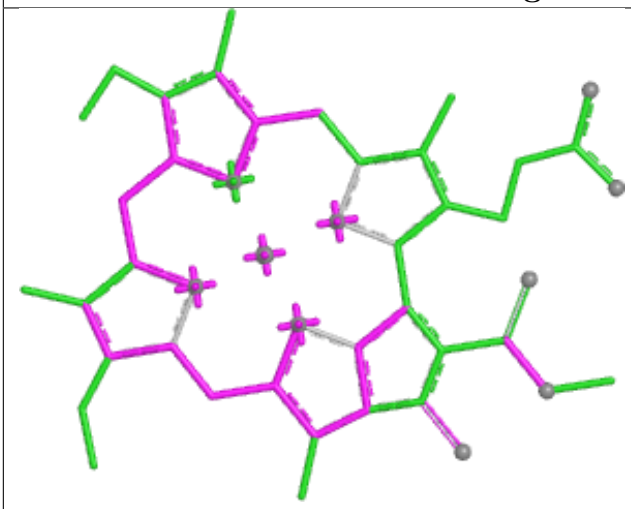


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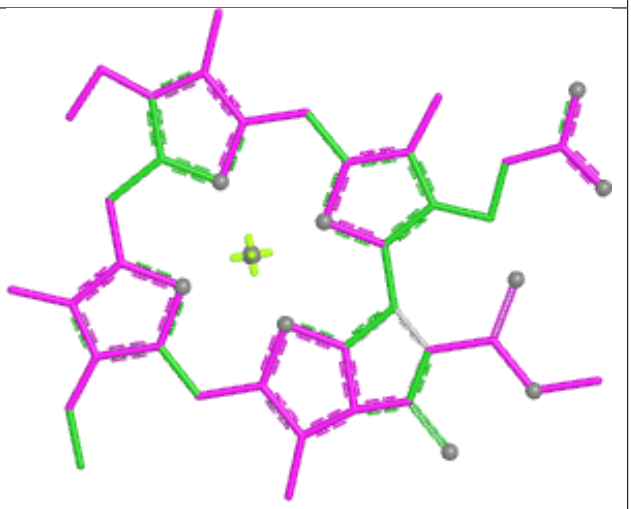


Rings

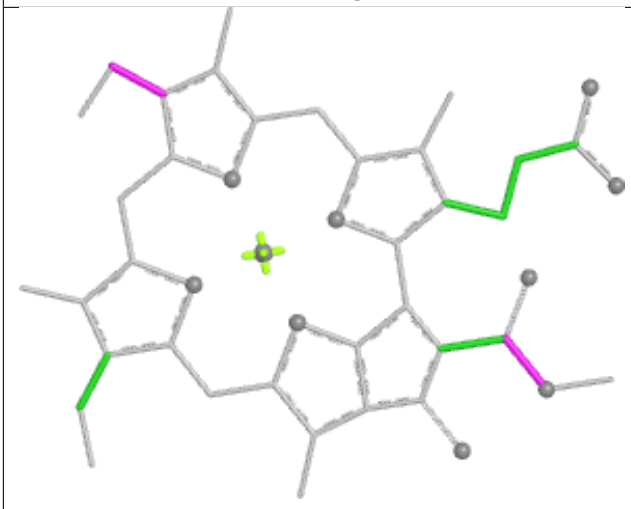
Ligand CLA A 835



Bond lengths



Bond angles

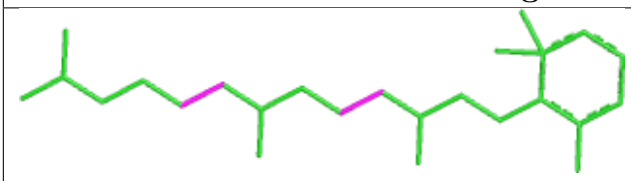


Torsions

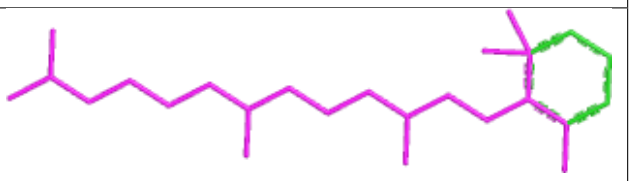


Rings

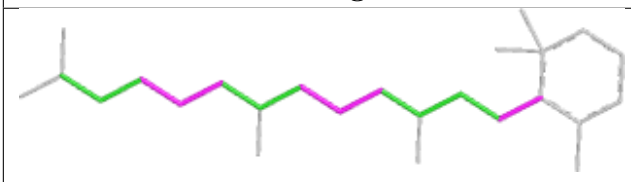
Ligand BCR H 843



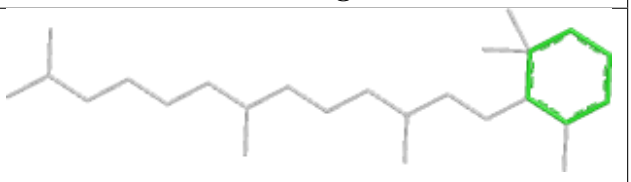
Bond lengths



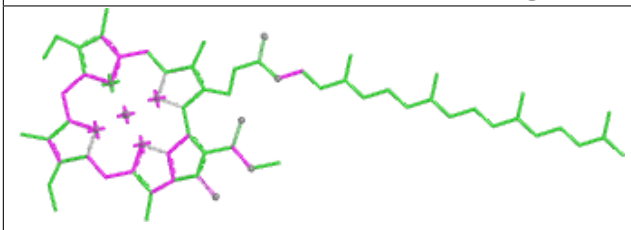
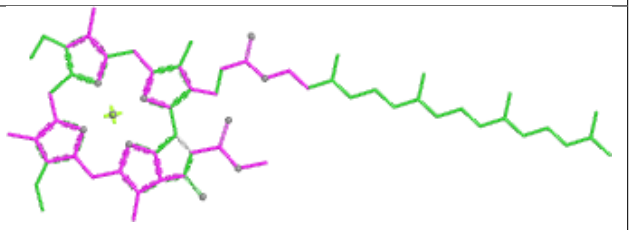
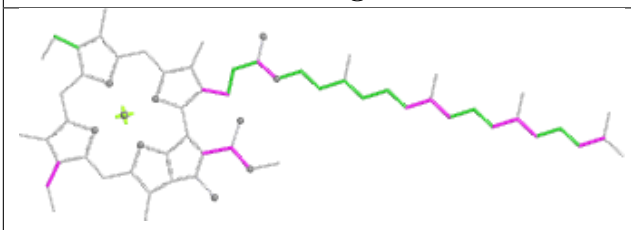
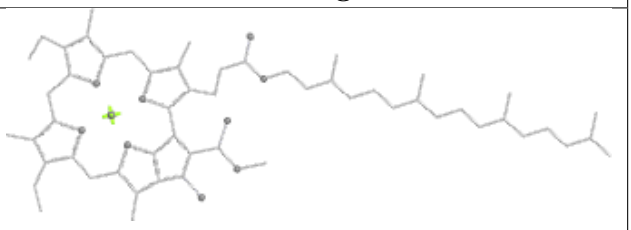
Bond angles

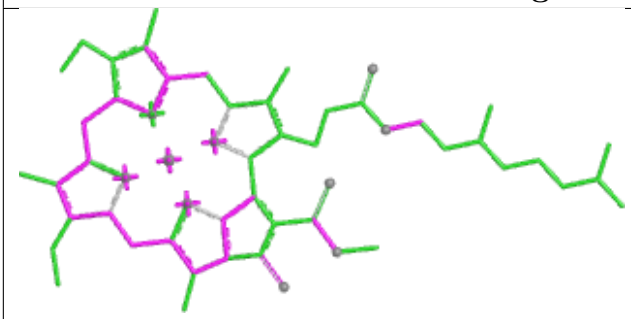
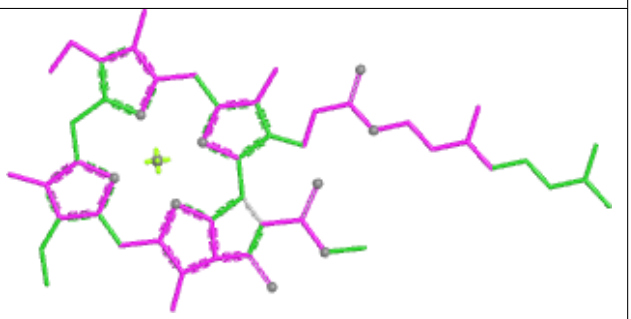
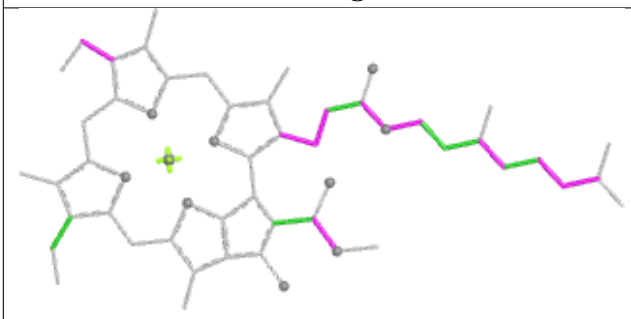
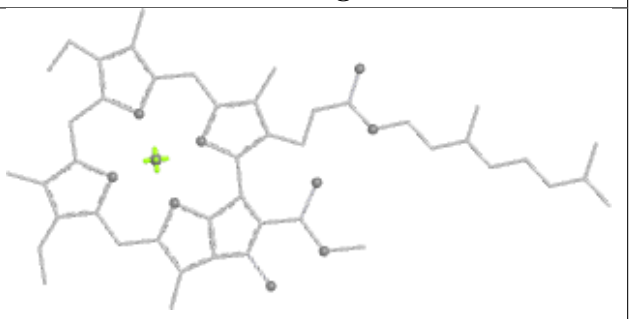


Torsions

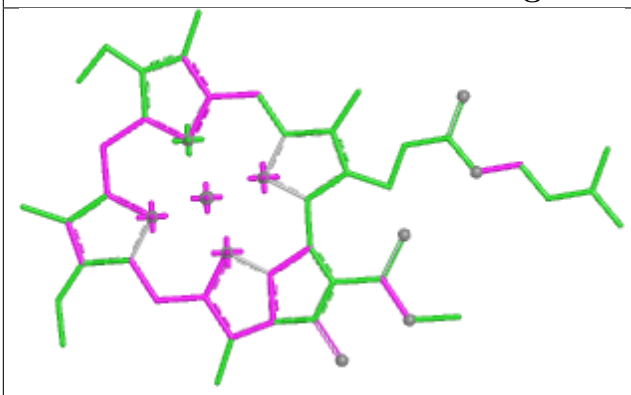


Rings

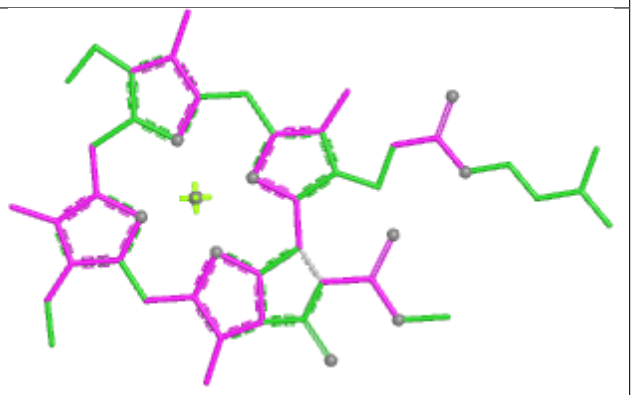
Ligand CLA H 813	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA f 102	
 Bond lengths	 Bond angles
 Torsions	 Rings

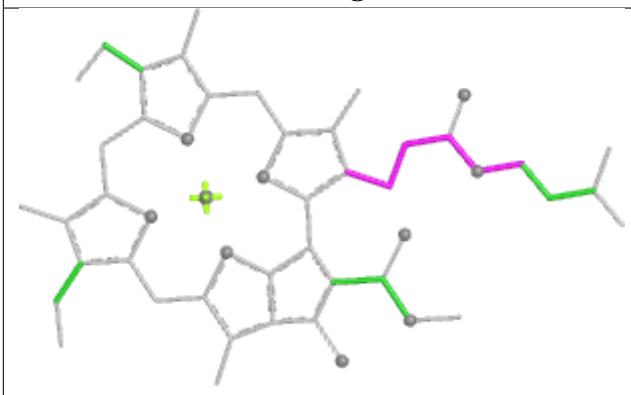
Ligand CLA A 838



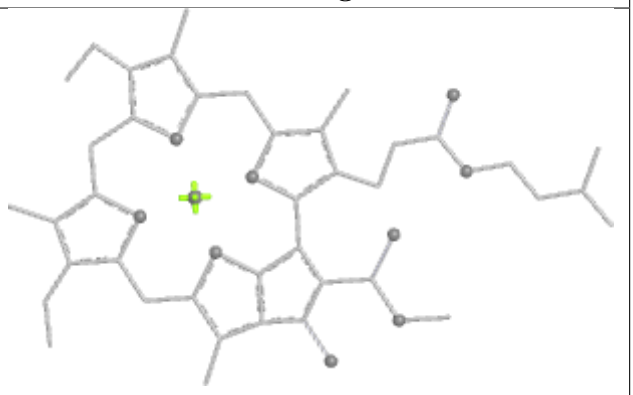
Bond lengths



Bond angles

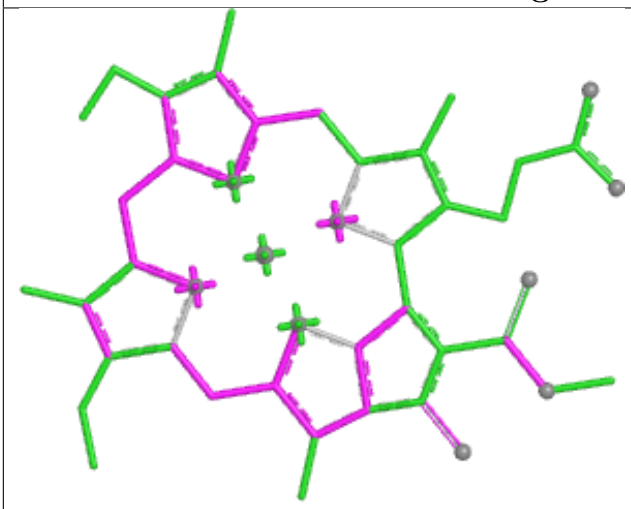


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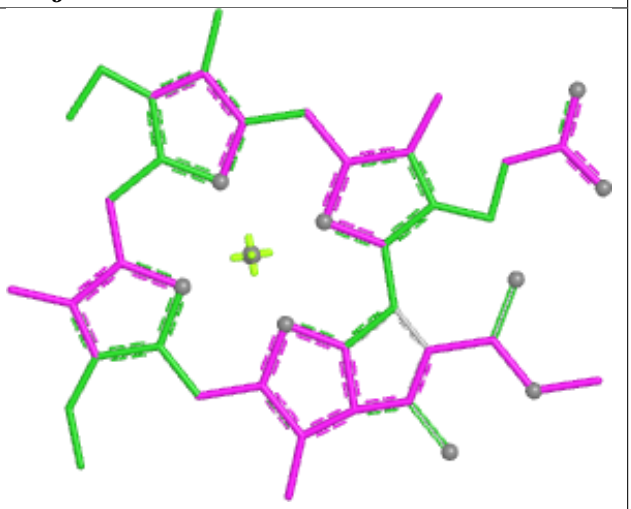


Rings

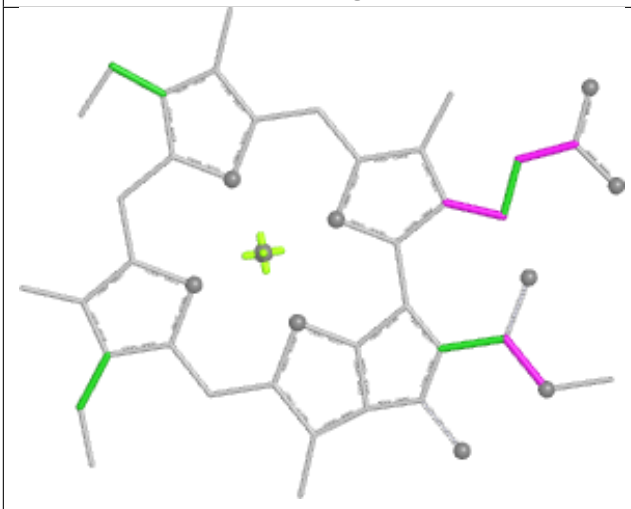
Ligand CLA j 102



Bond lengths



Bond angles

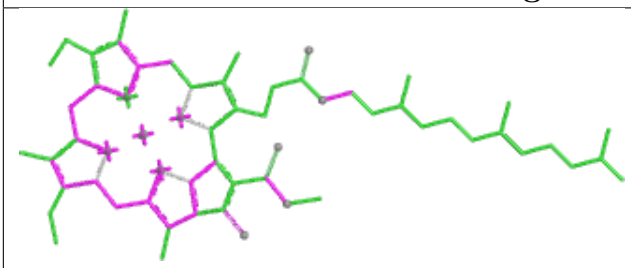


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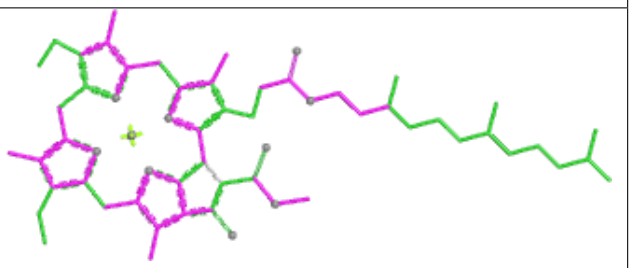


Rings

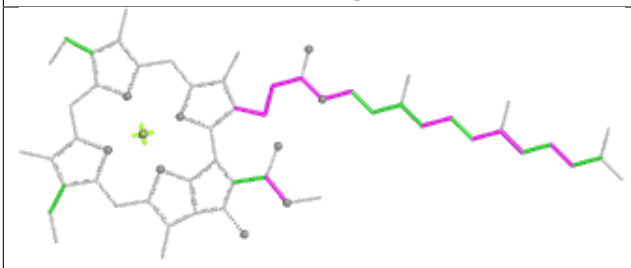
Ligand CLA H 818



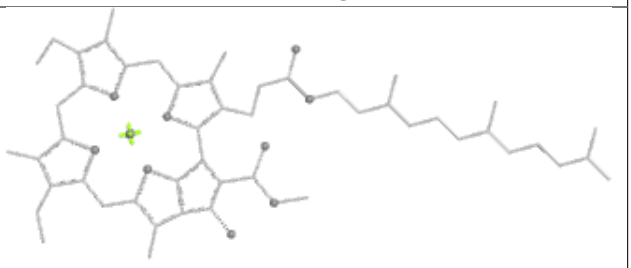
Bond lengths



Bond angles

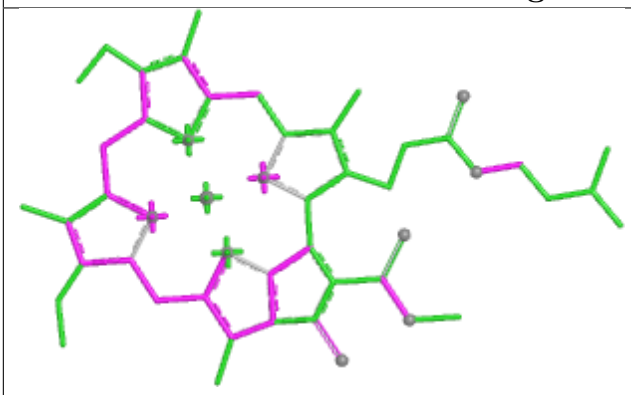


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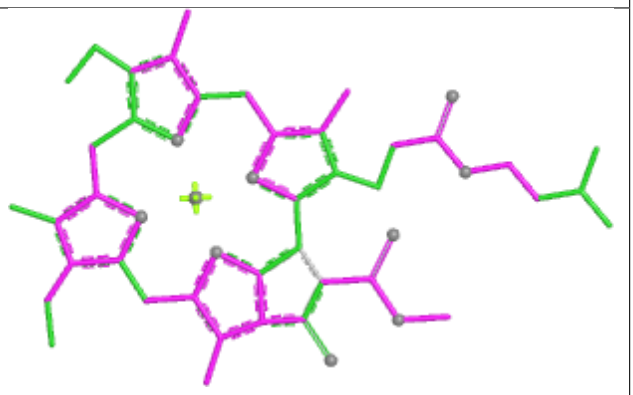


Rings

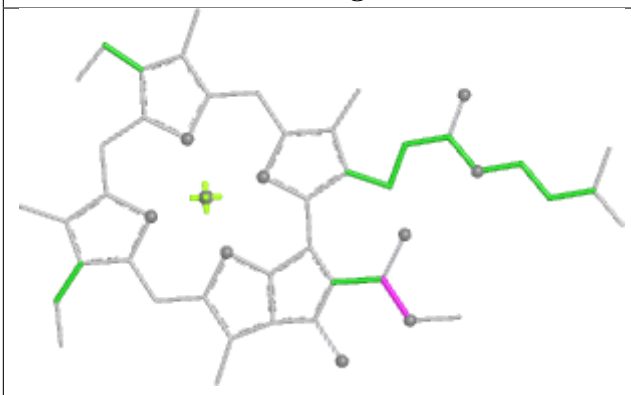
Ligand CLA d 201



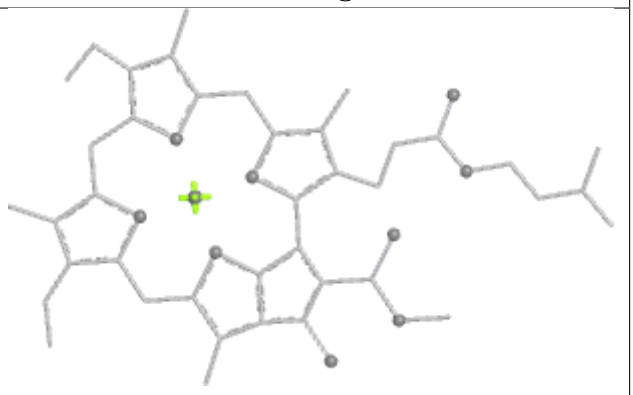
Bond lengths



Bond angles

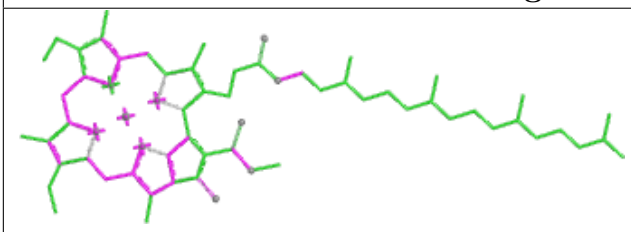


Torsions

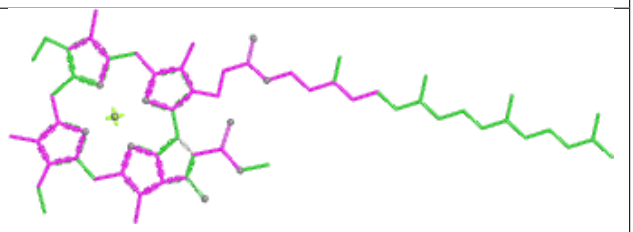


Rings

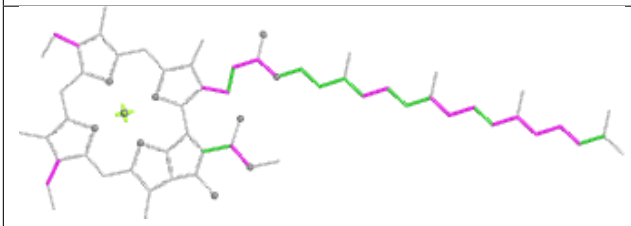
Ligand CLA B 841



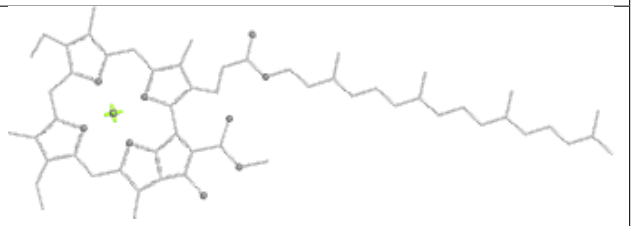
Bond lengths



Bond angles

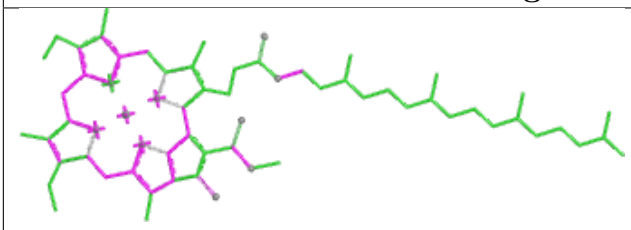


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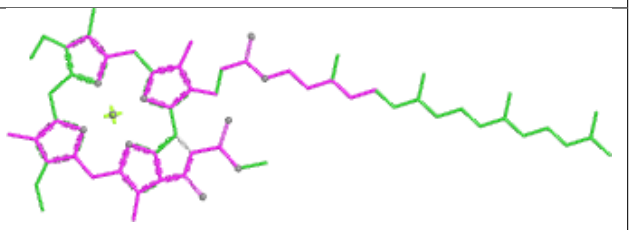


Rings

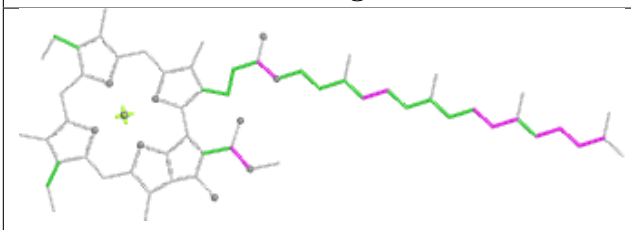
Ligand CLA H 816



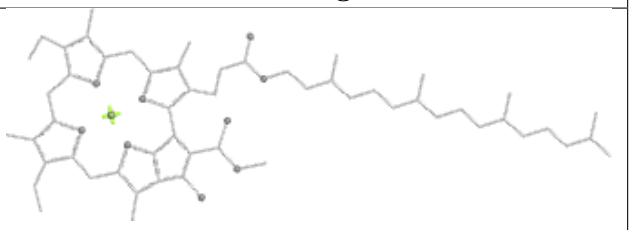
Bond lengths



Bond angles

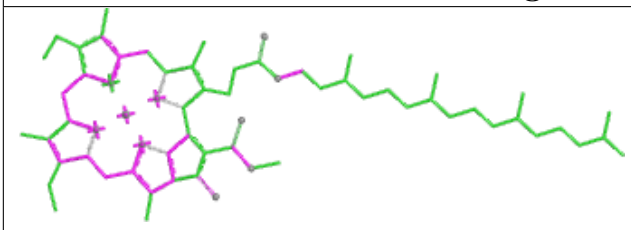


Torsions

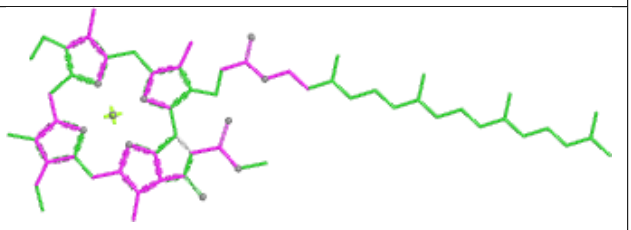


Rings

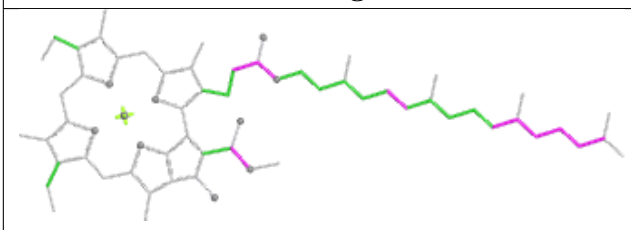
Ligand CLA Y 829



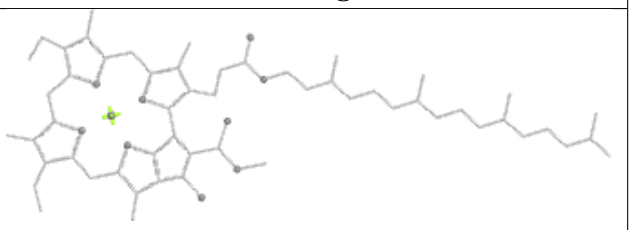
Bond lengths



Bond angles

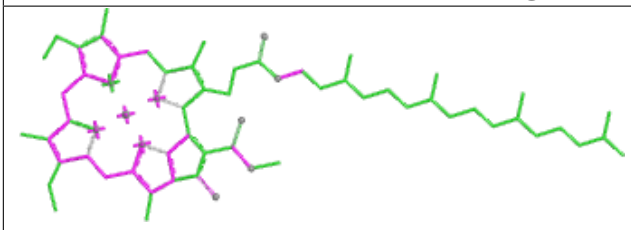


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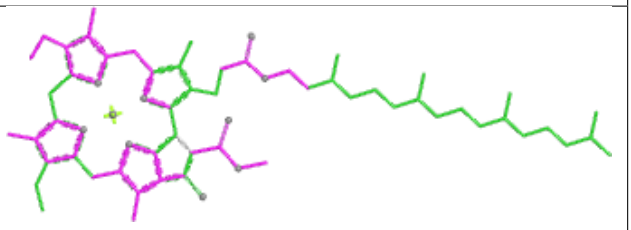


Rings

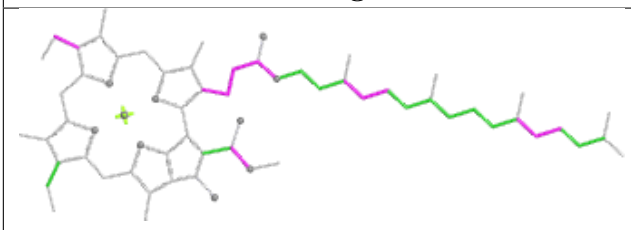
Ligand CLA G 821



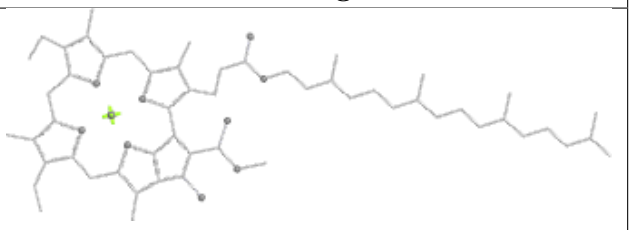
Bond lengths



Bond angles

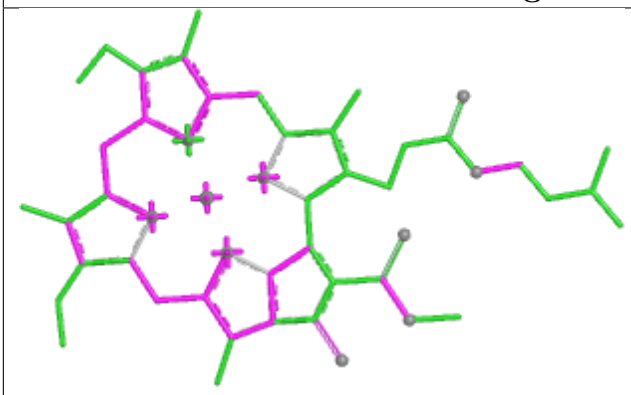


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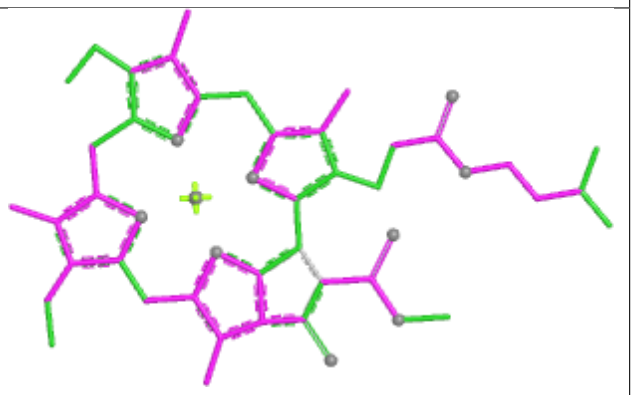


Rings

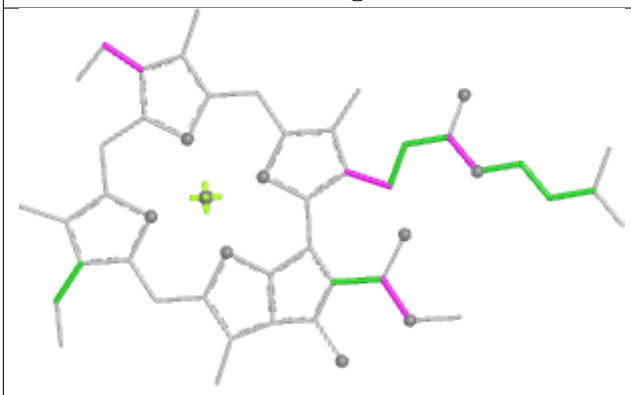
Ligand CLA Y 823



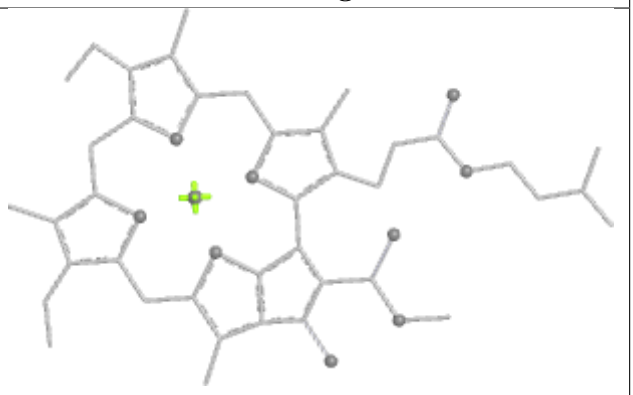
Bond lengths



Bond angles

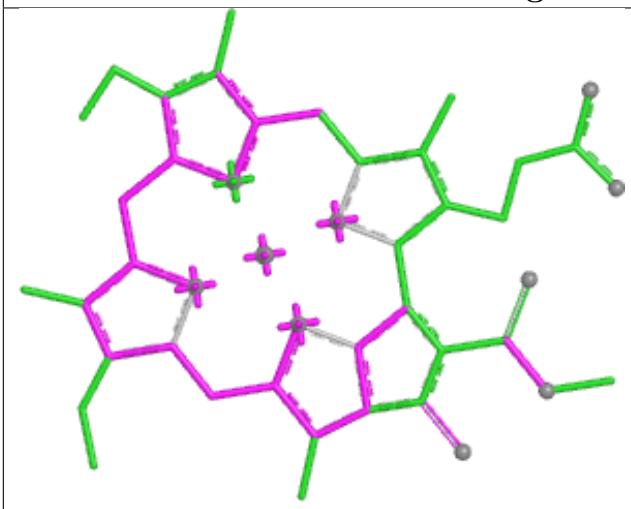


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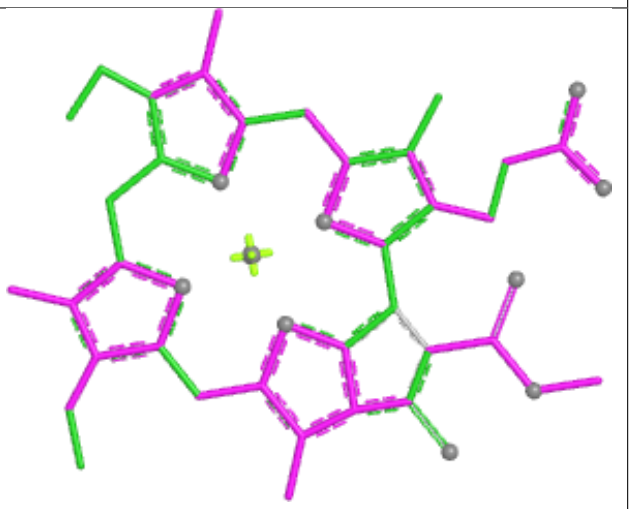


Rings

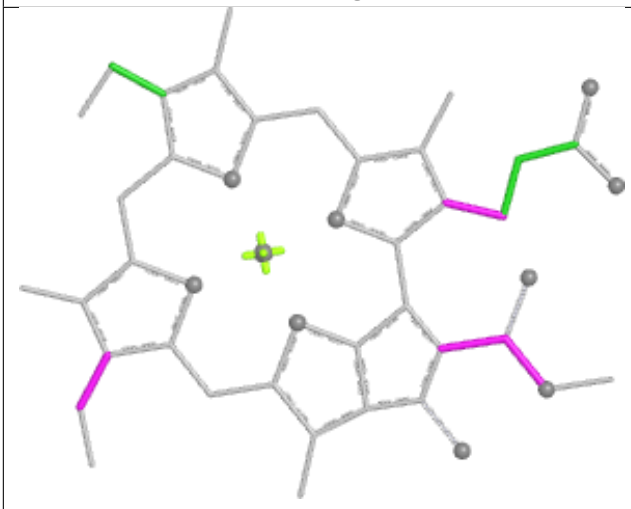
Ligand CLA Z 832



Bond lengths



Bond angles

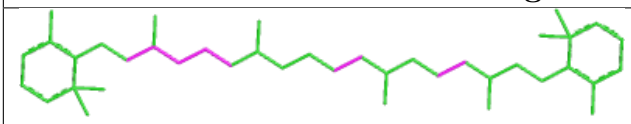


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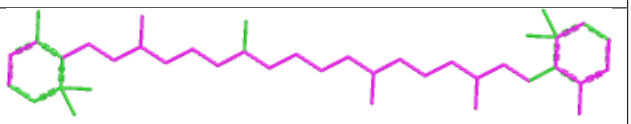


Rings

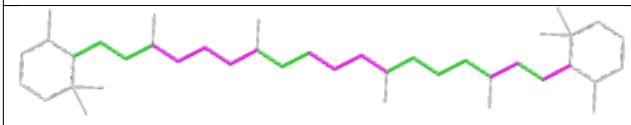
Ligand BCR Z 841



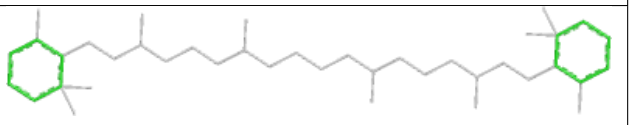
Bond lengths



Bond angles

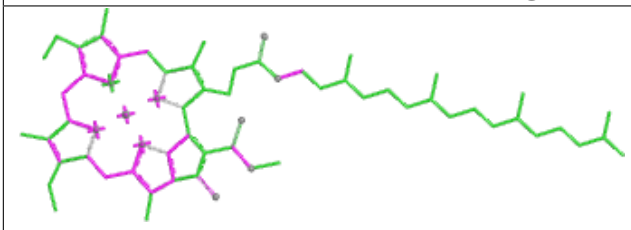


Torsions

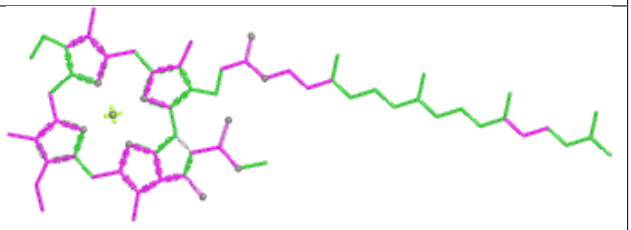


Rings

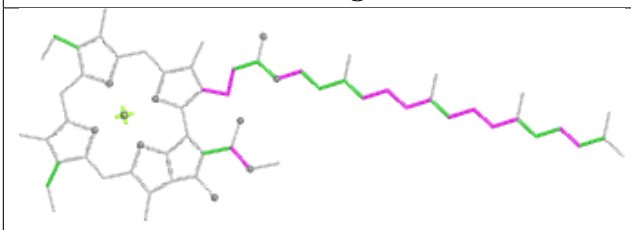
Ligand CLA G 809



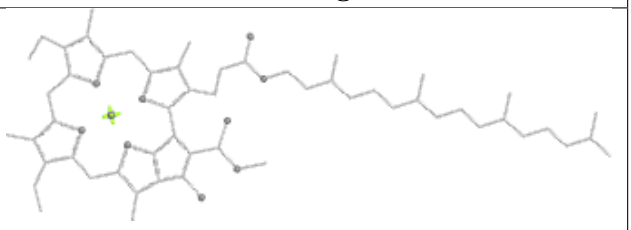
Bond lengths



Bond angles

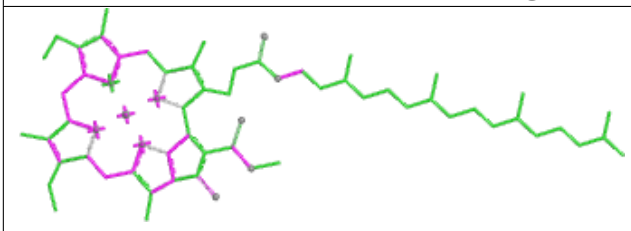


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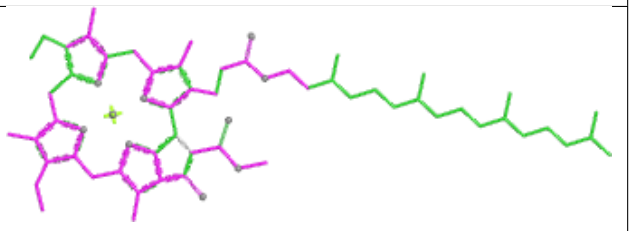


Rings

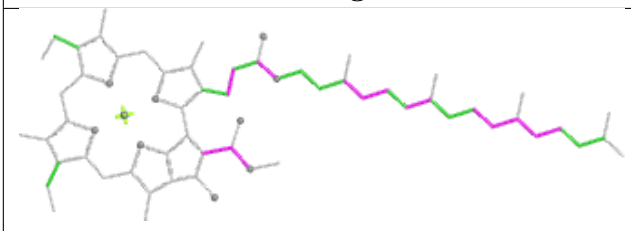
Ligand CLA H 809



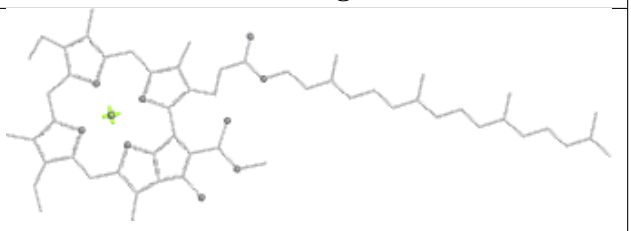
Bond lengths



Bond angles

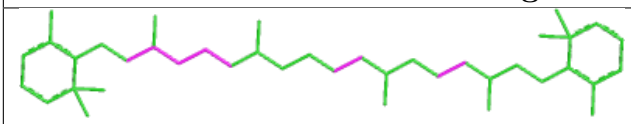


Torsions

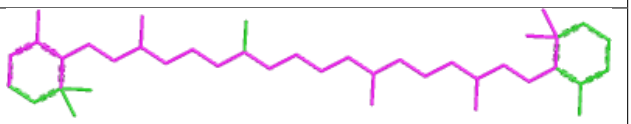


Rings

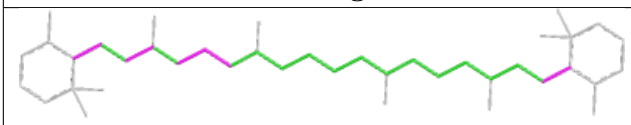
Ligand BCR H 844



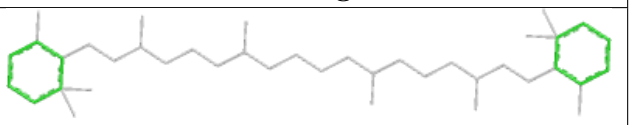
Bond lengths



Bond angles

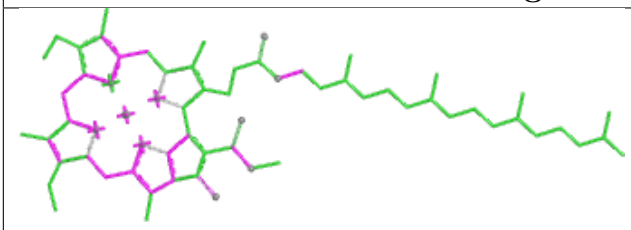


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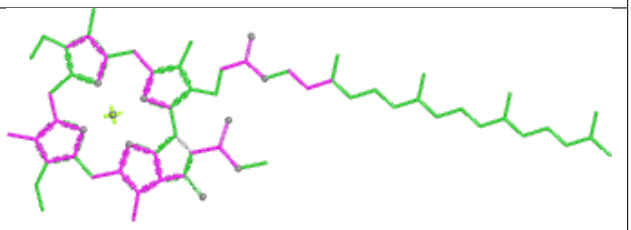


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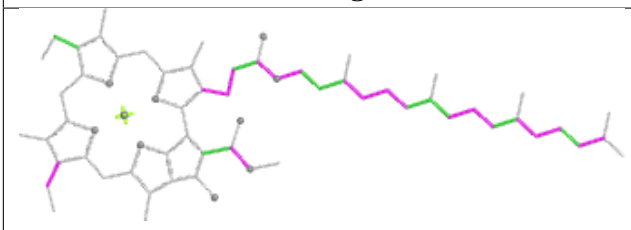
Ligand CLA B 832



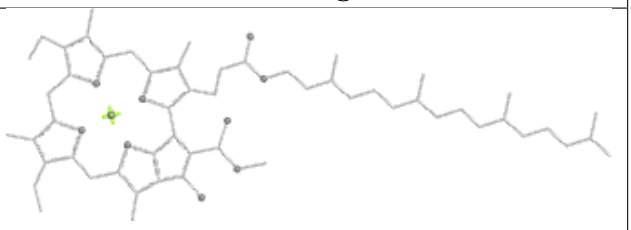
Bond lengths



Bond angles

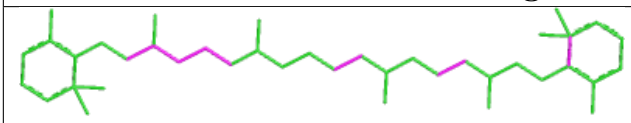


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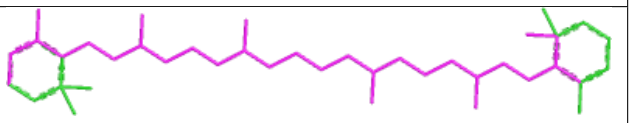


Rings

Ligand BCR B 848



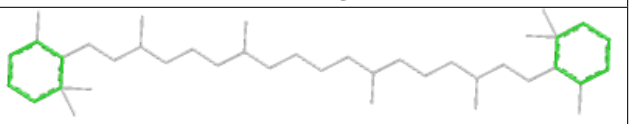
Bond lengths



Bond angles

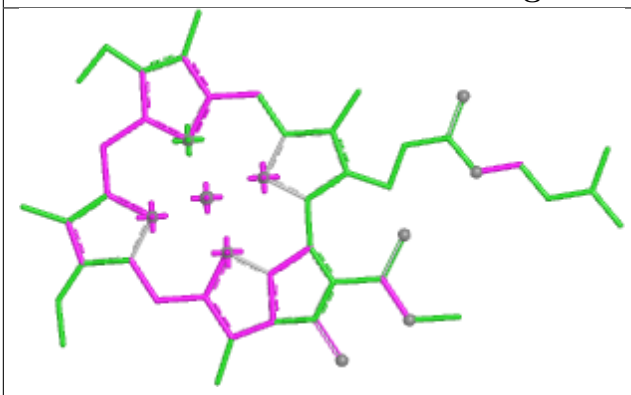


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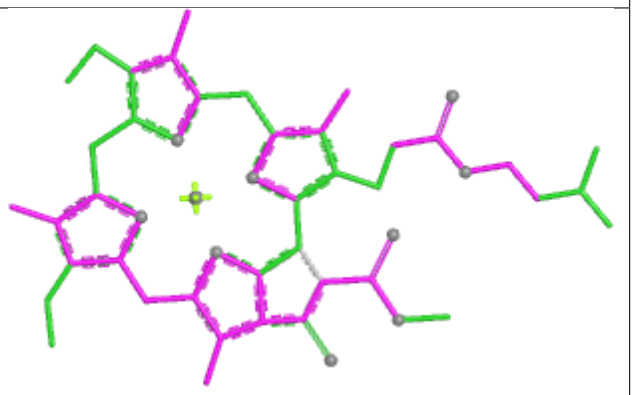


Rings

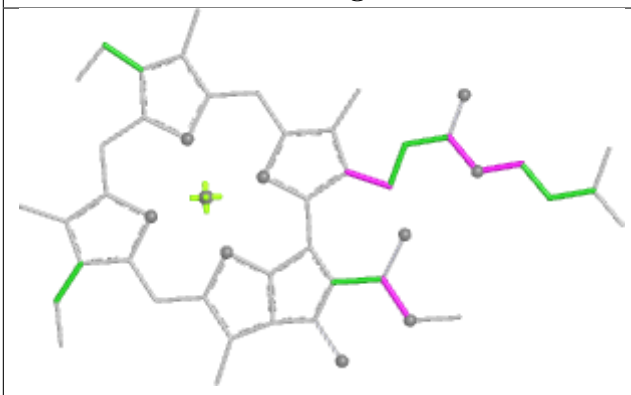
Ligand CLA A 815



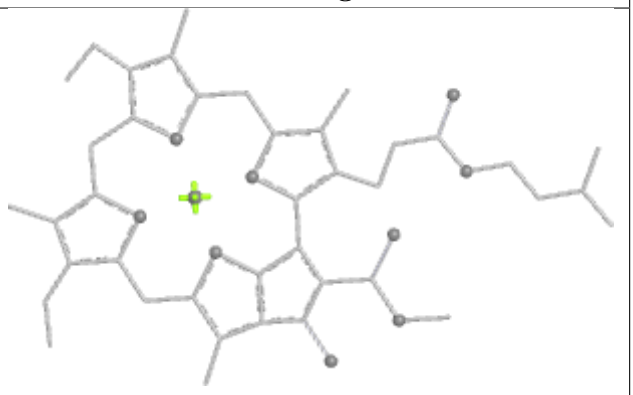
Bond lengths



Bond angles

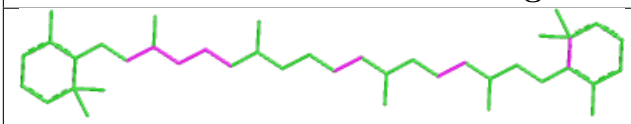


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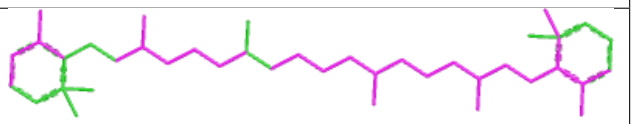


Rings

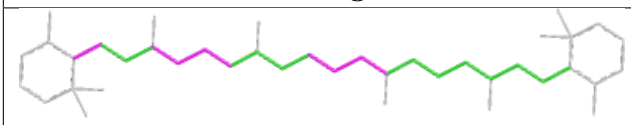
Ligand BCR Z 846



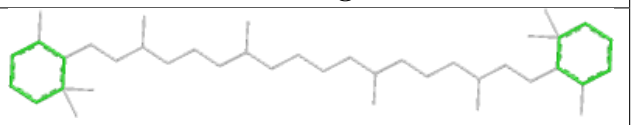
Bond lengths



Bond angles

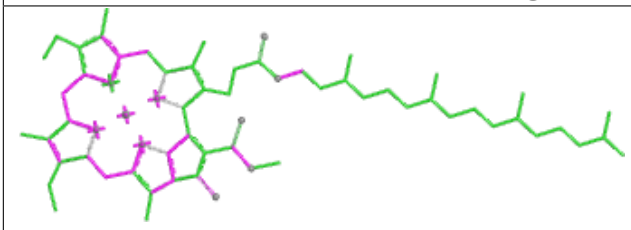


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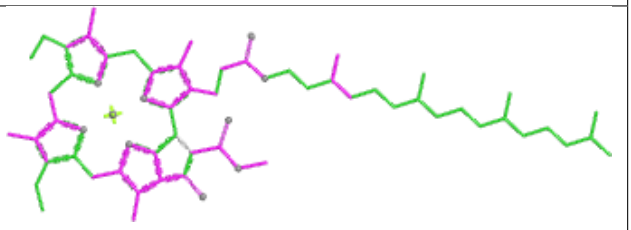


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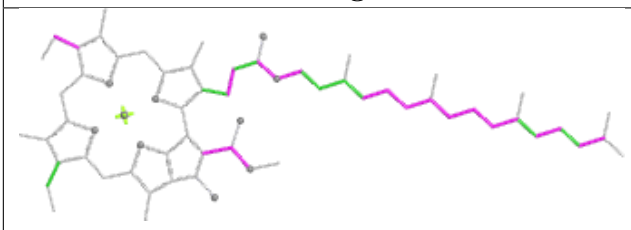
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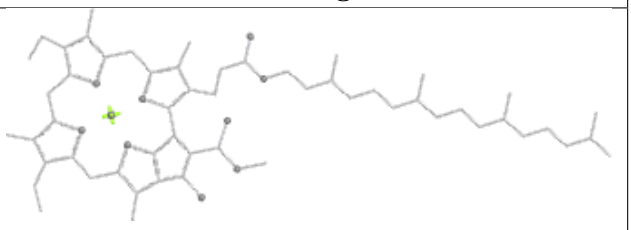
Bond lengths



Bond angles

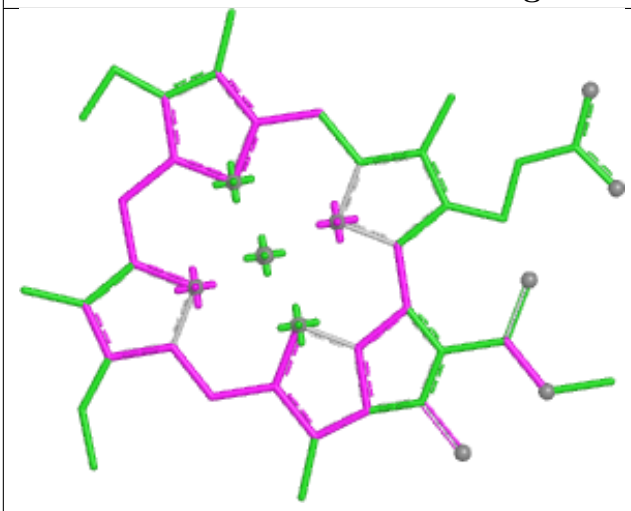


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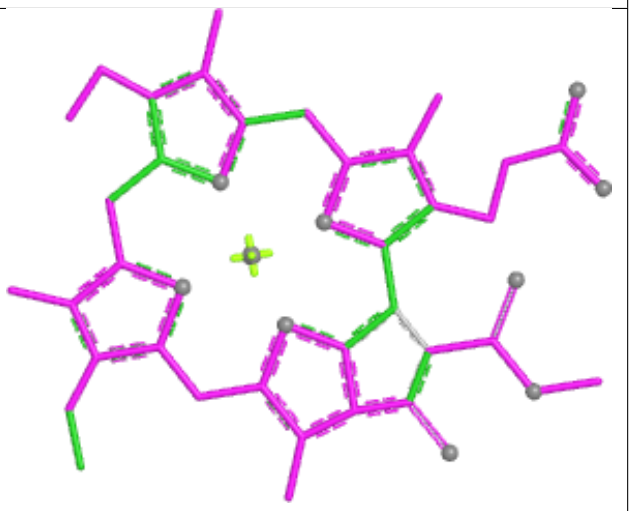


Rings

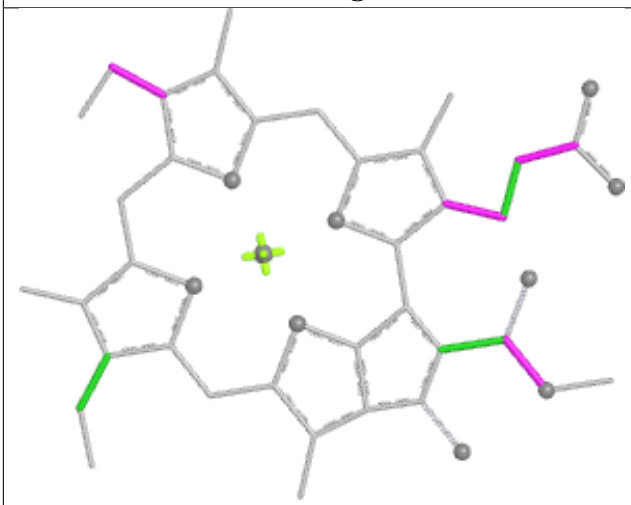
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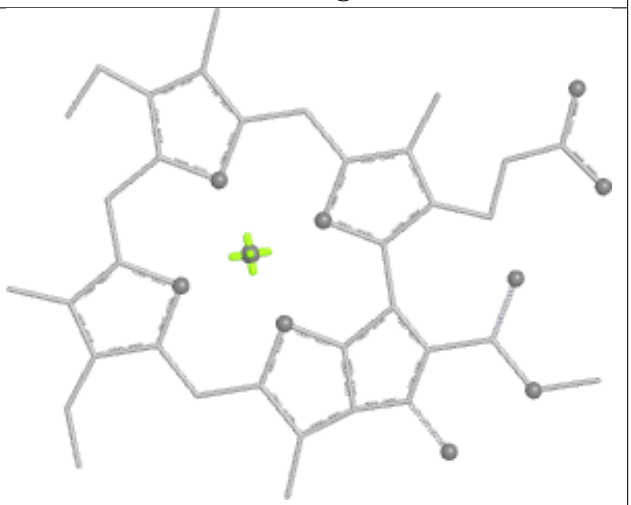
Bond lengths



Bond angles

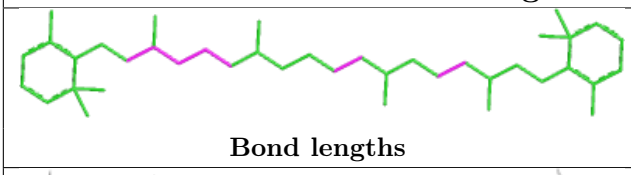


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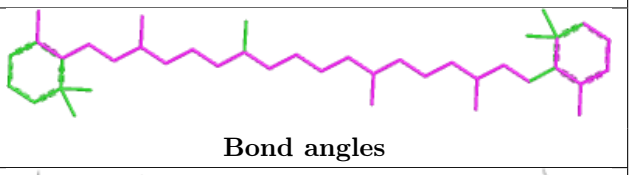


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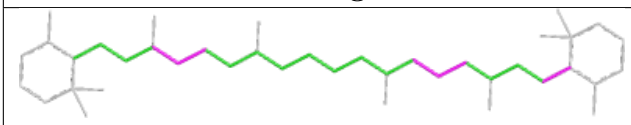
Ligand BCR Y 850



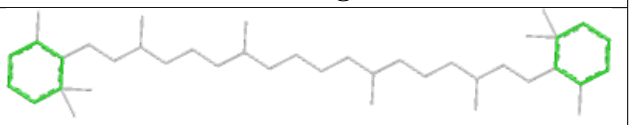
Bond lengths



Bond angles

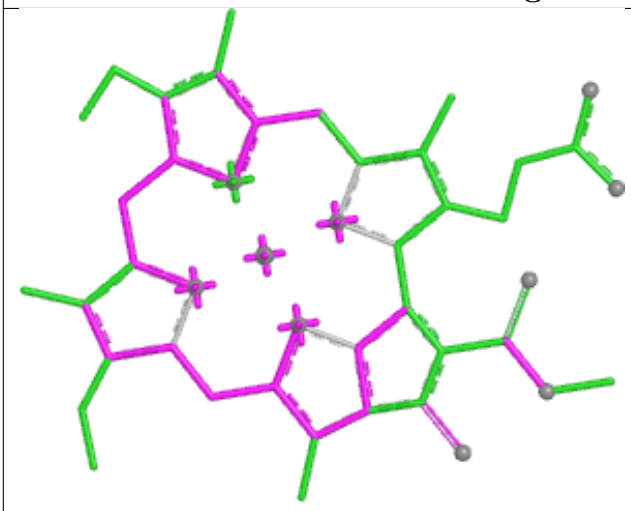


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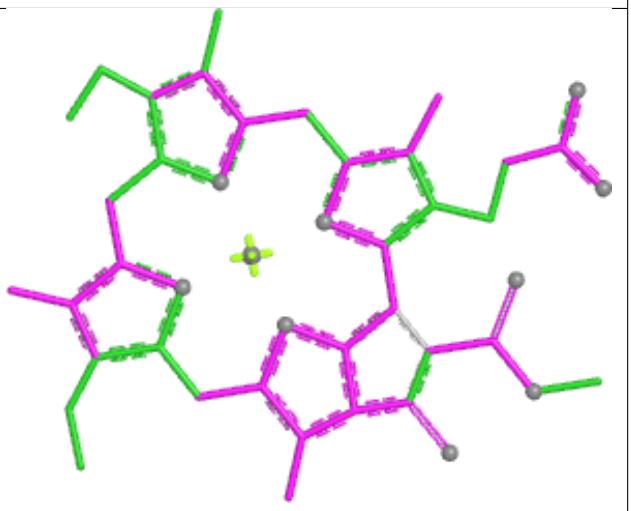


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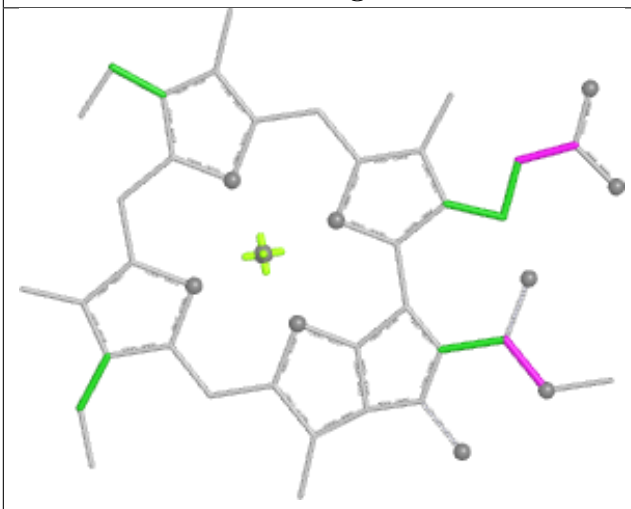
Ligand CLA B 820



Bond lengths



Bond angles

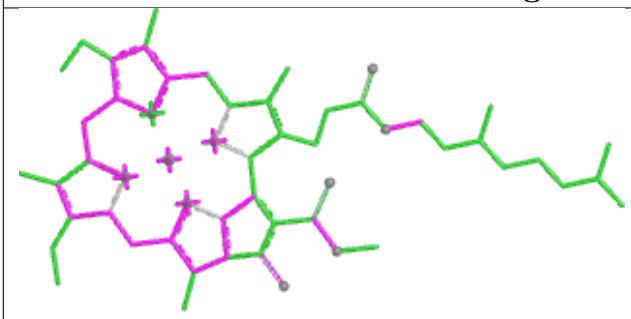


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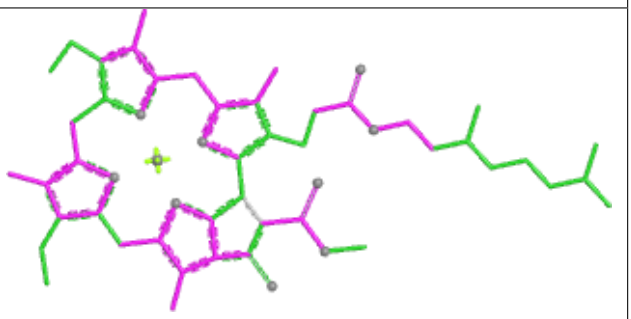


Rings

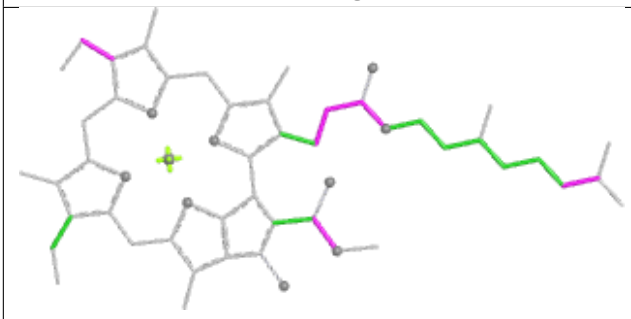
Ligand CLA H 821



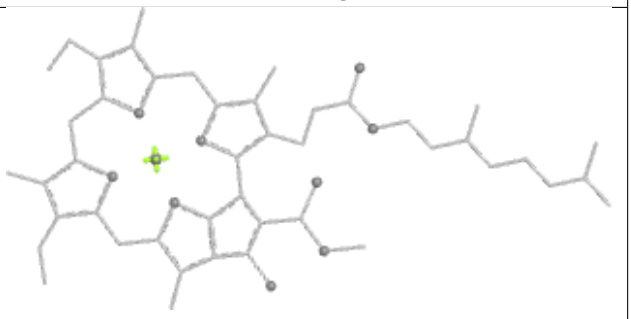
Bond lengths



Bond angles

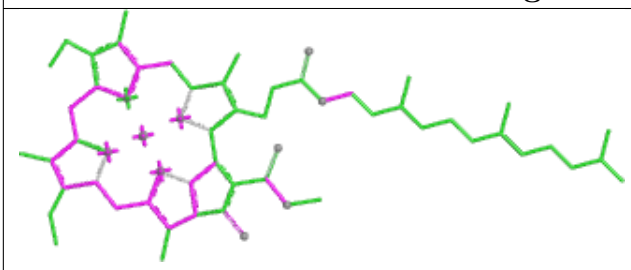


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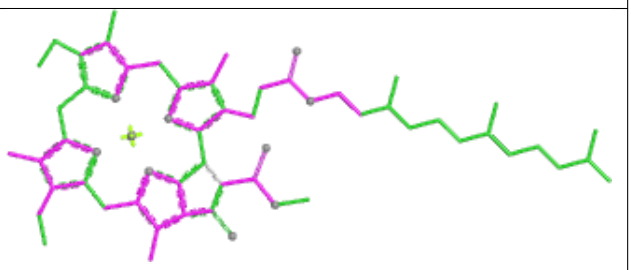


Rings

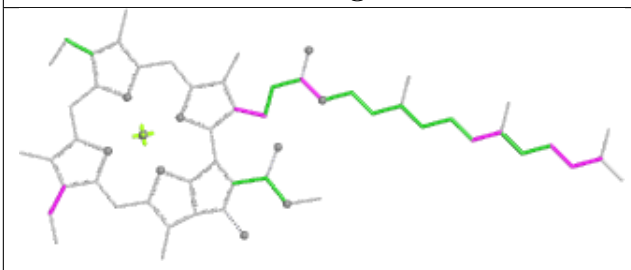
Ligand CLA A 826



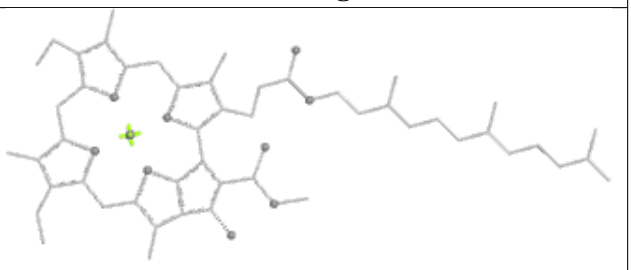
Bond lengths



Bond angles

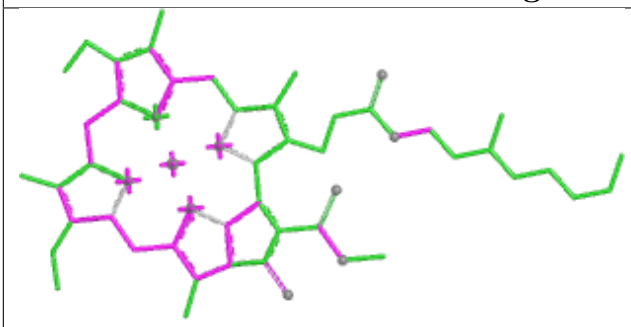


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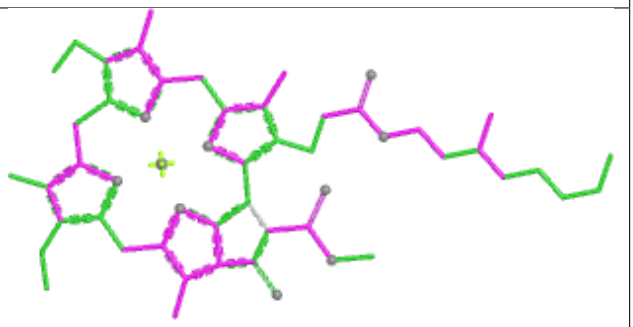


Rings

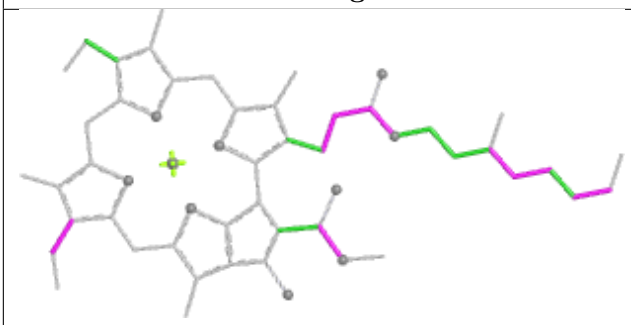
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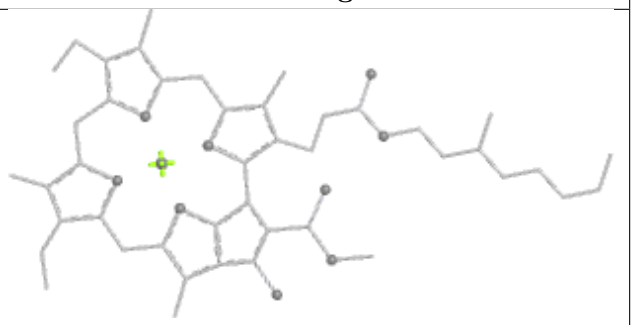
Bond lengths



Bond angles

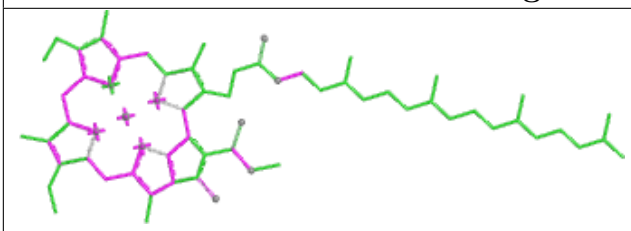


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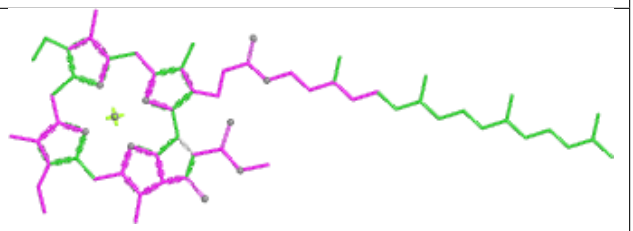


Rings

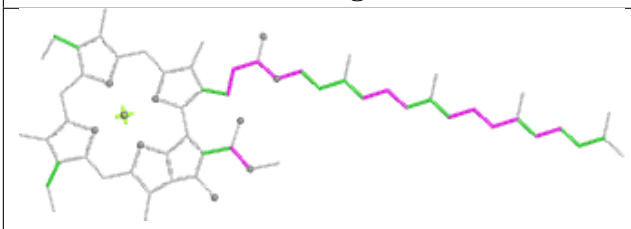
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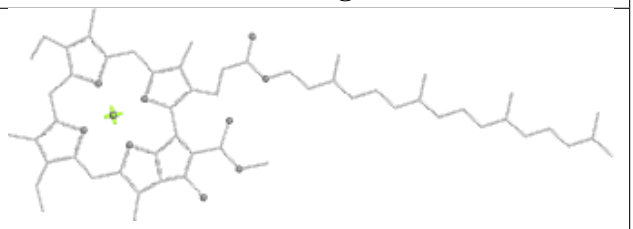
Bond lengths



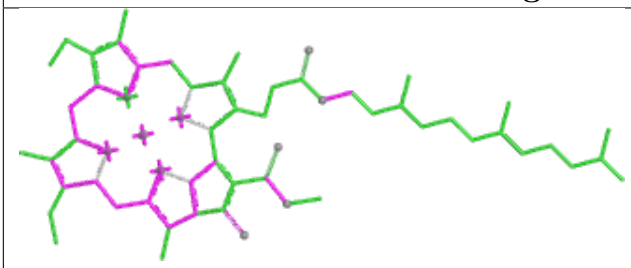
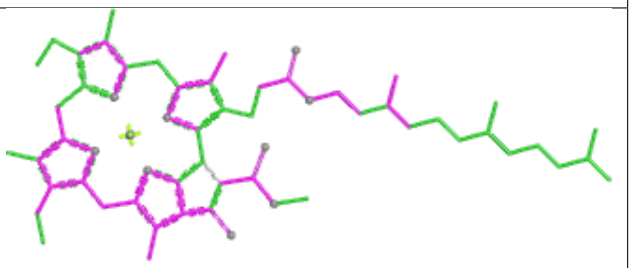
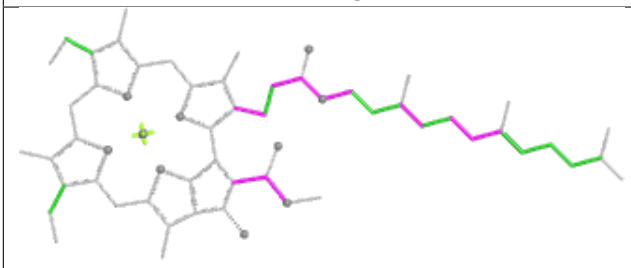
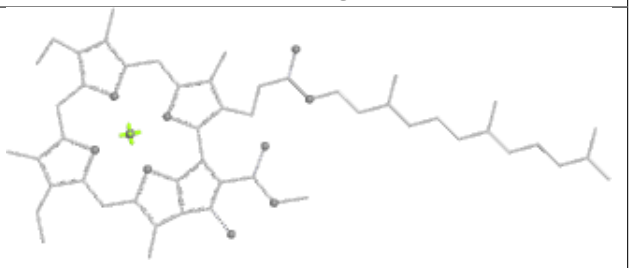
Bond angles

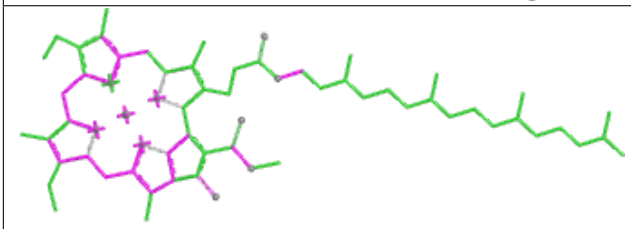
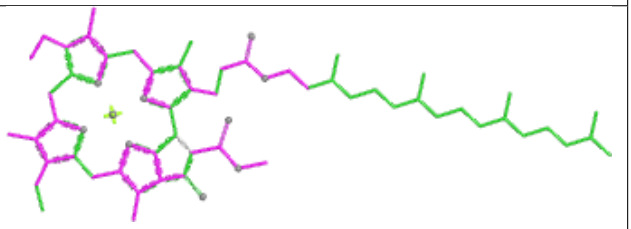
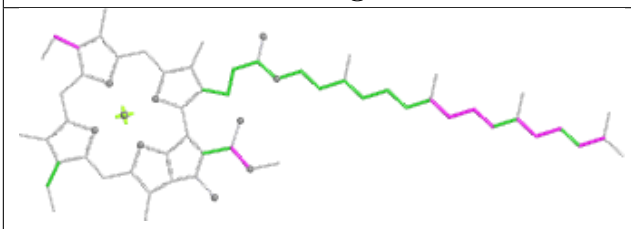
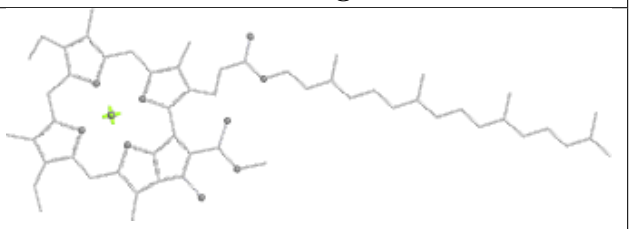


Torsions

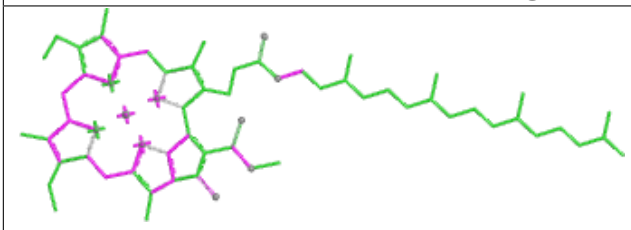


Rings

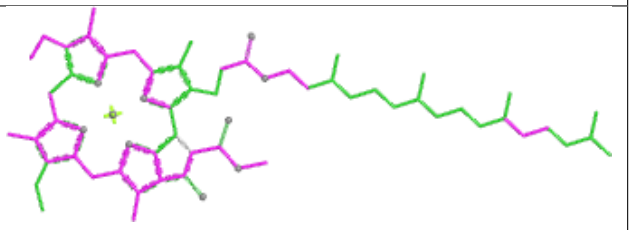
Ligand CLA G 820	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 803	
	
Bond lengths	Bond angles
	
Torsions	Rings

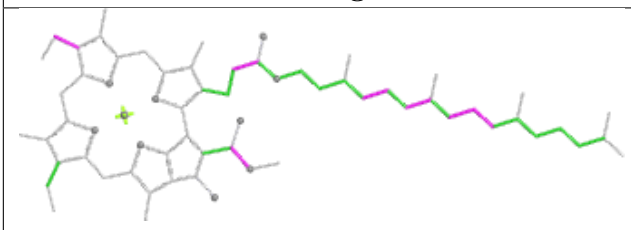
Ligand CLA Y 855



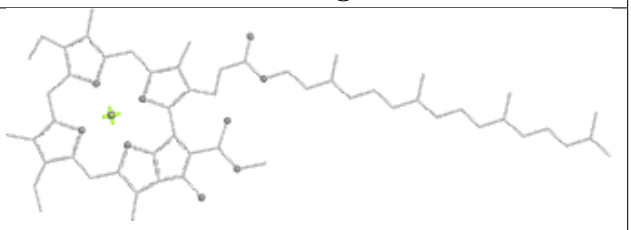
Bond lengths



Bond angles

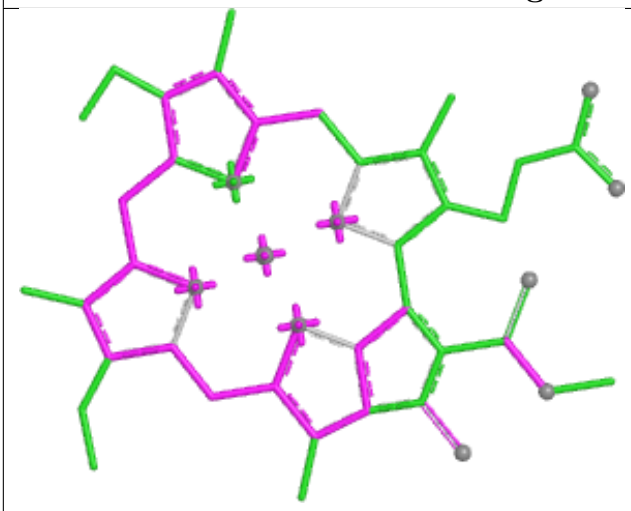


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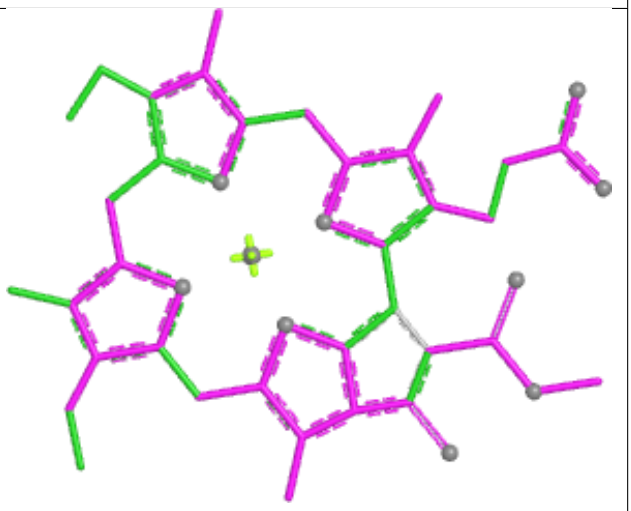


Rings

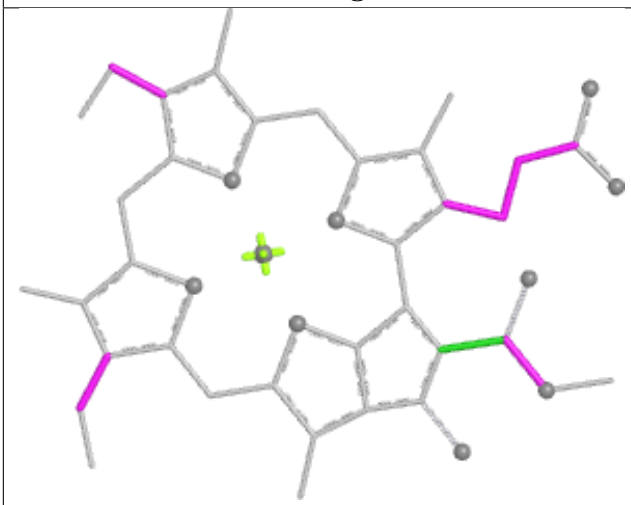
Ligand CLA Z 829



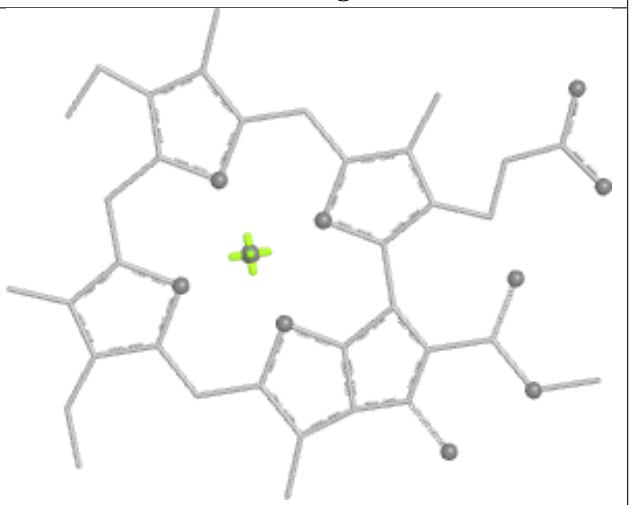
Bond lengths



Bond angles

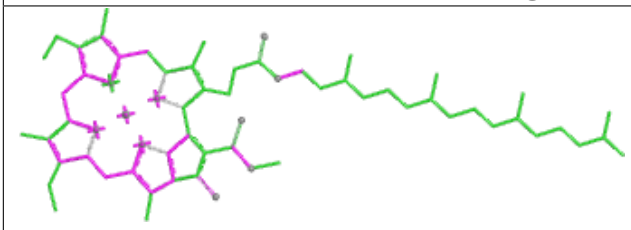


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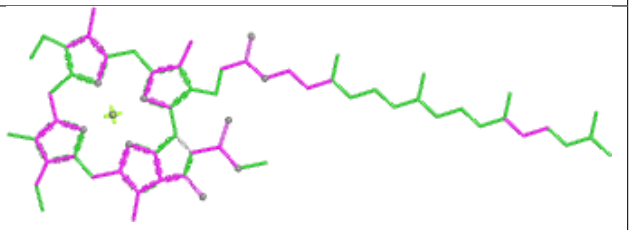


Rings

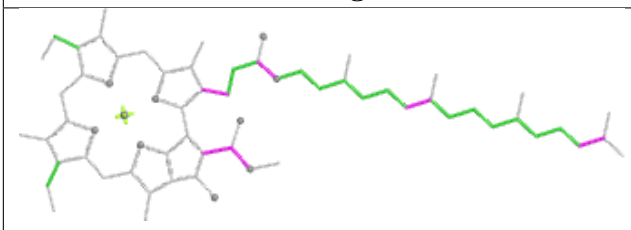
Ligand CLA A 830



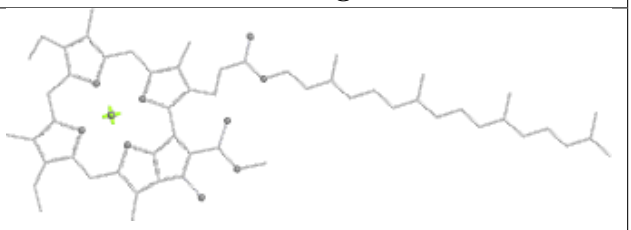
Bond lengths



Bond angles

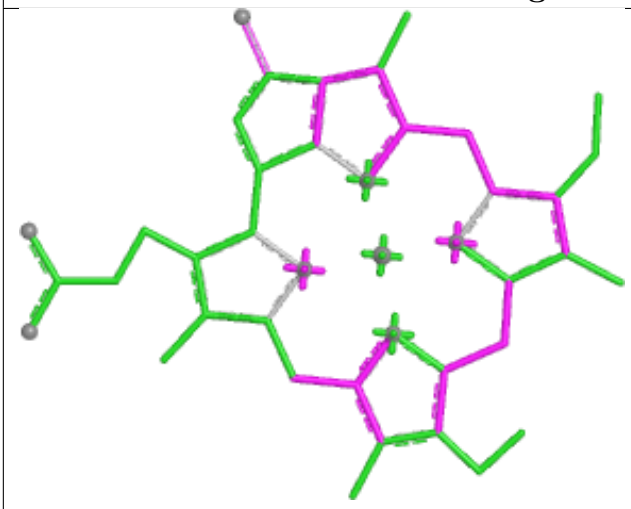


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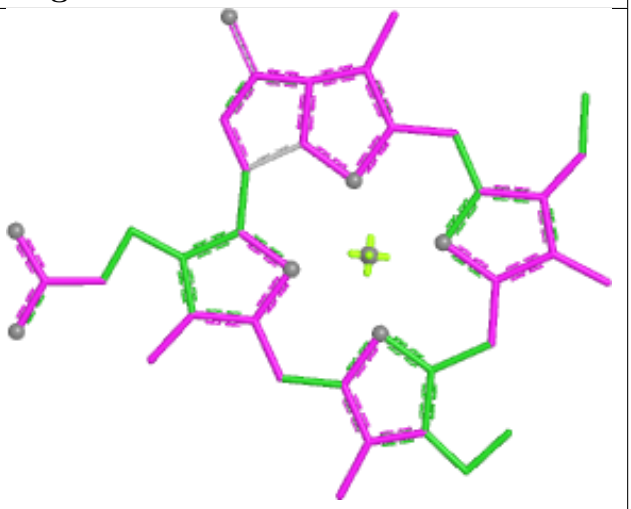


Rings

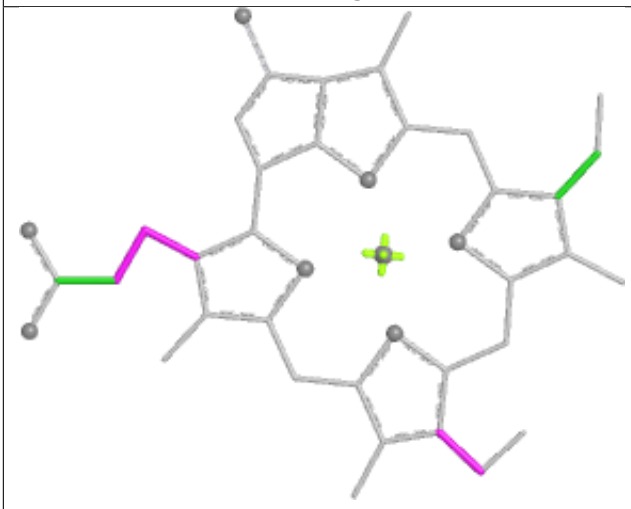
Ligand CLA g 101



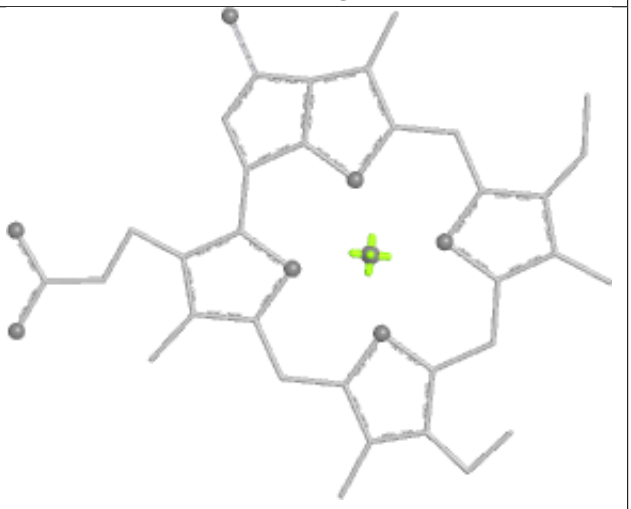
Bond lengths



Bond angles

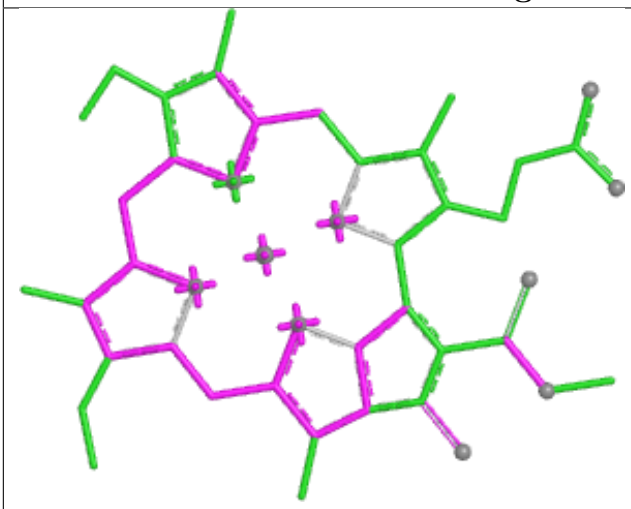


Torsions

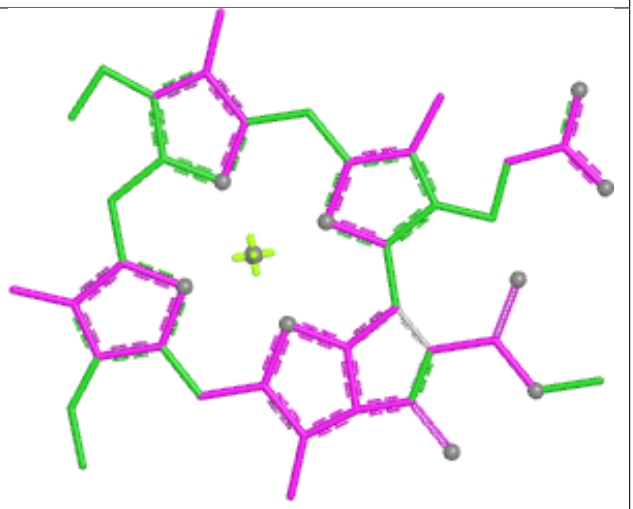


Rings

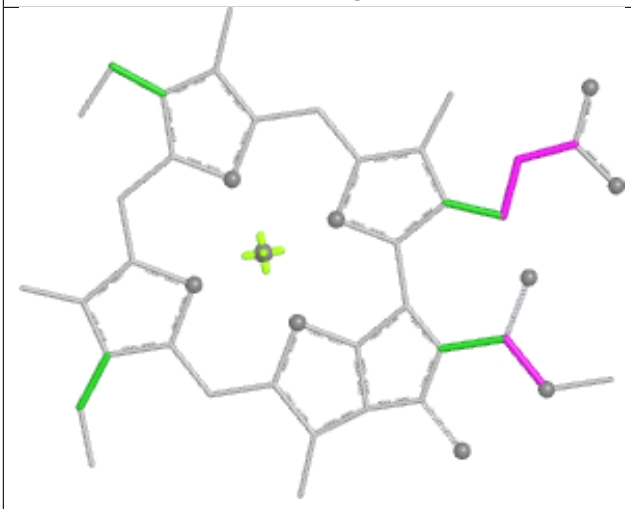
Ligand CLA X 1701



Bond lengths



Bond angles

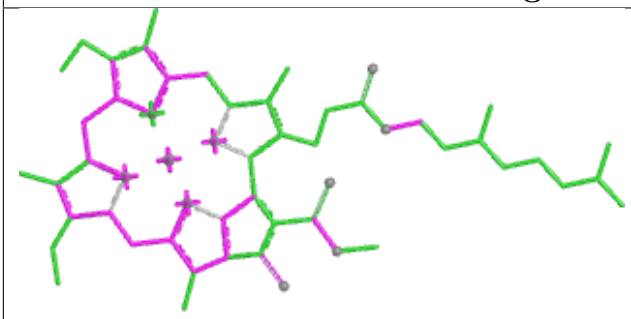


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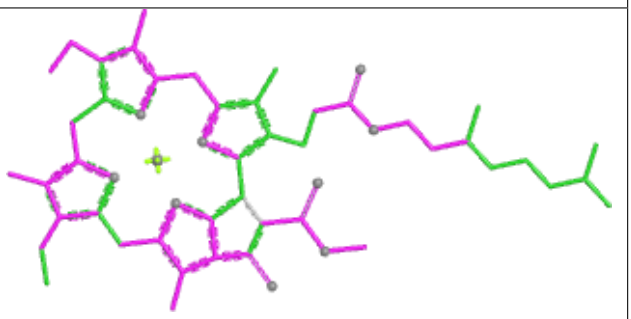


Rings

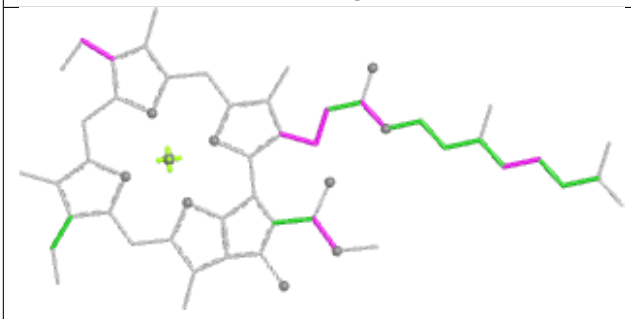
Ligand CLA A 834



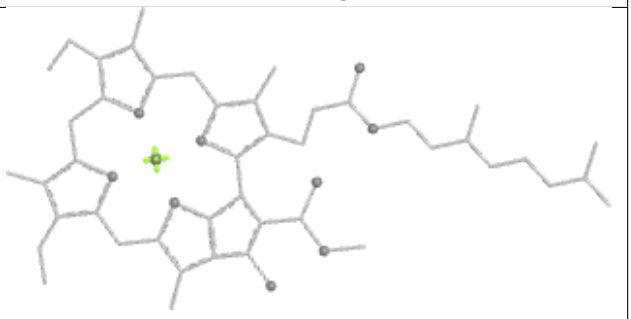
Bond lengths



Bond angles

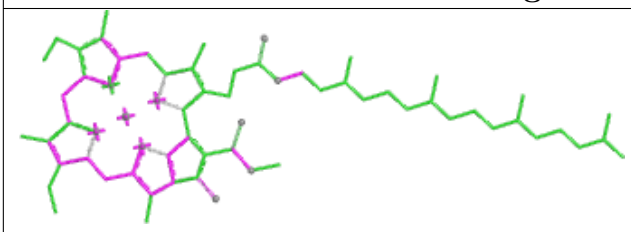


Torsions

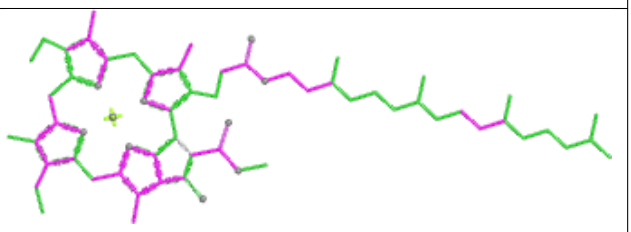


Rings

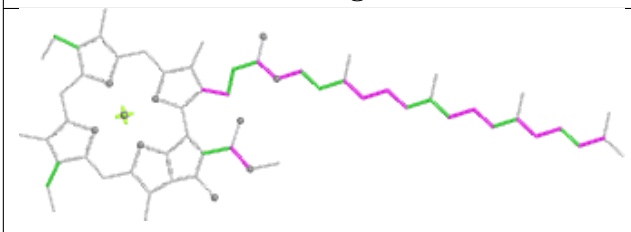
Ligand CLA A 809



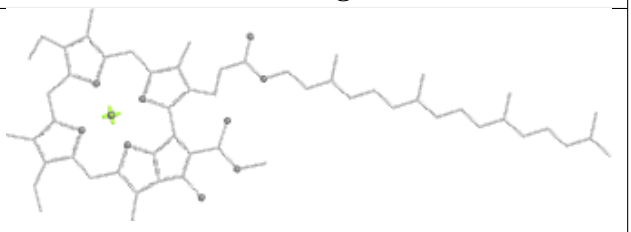
Bond lengths



Bond angles

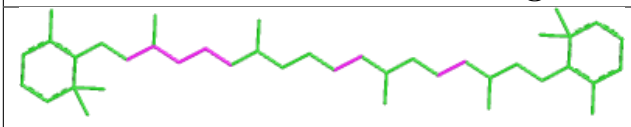


Torsions

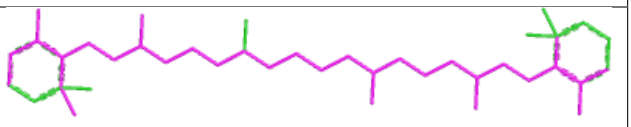


Rings

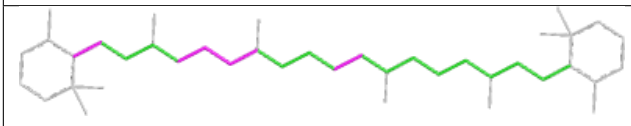
Ligand BCR J 103



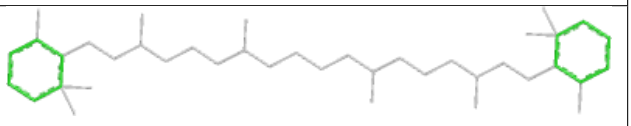
Bond lengths



Bond angles

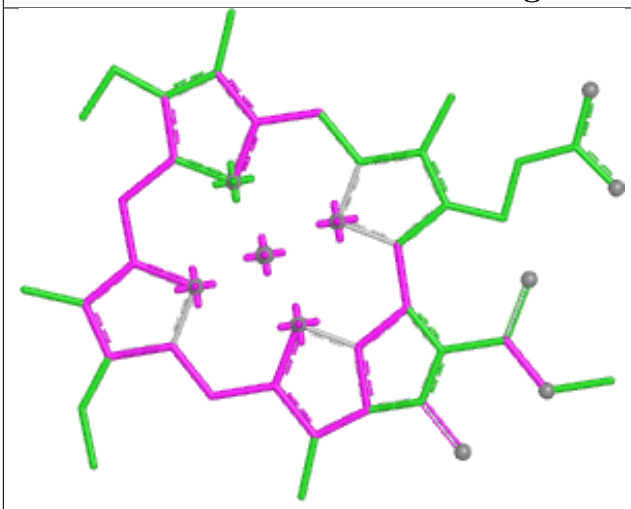


Torsions

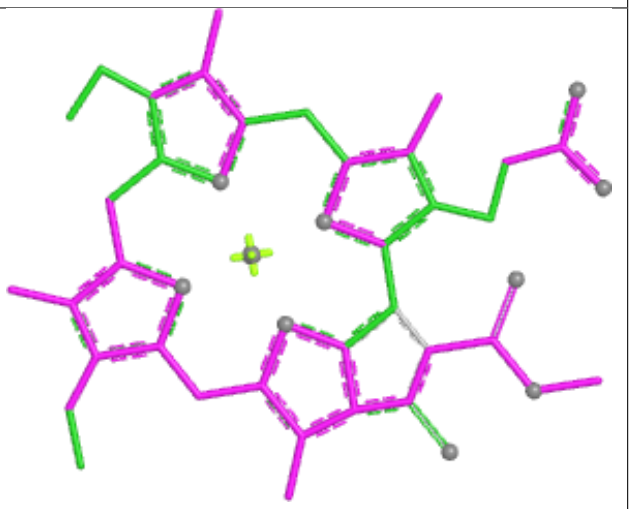


Rings

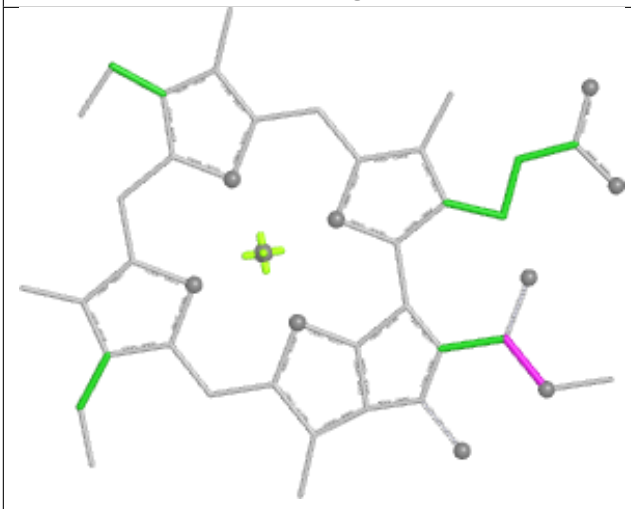
Ligand CLA H 836



Bond lengths



Bond angles

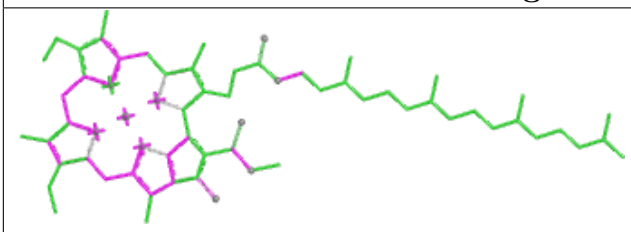


Torsions

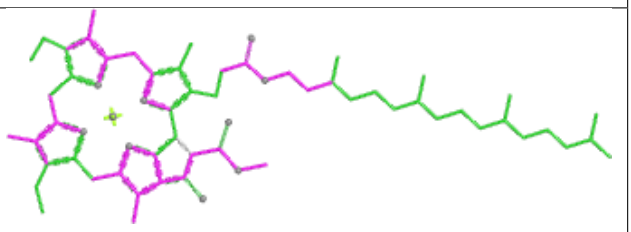


Rings

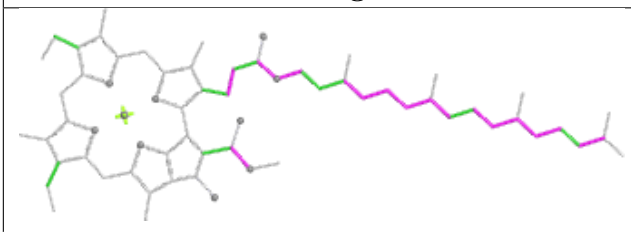
Ligand CLA G 802



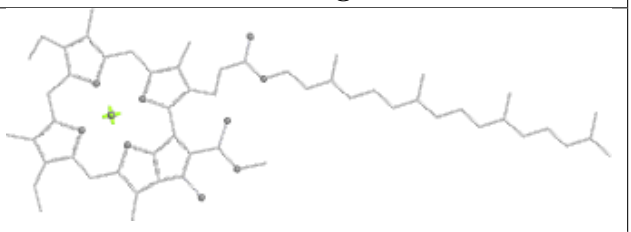
Bond lengths



Bond angles

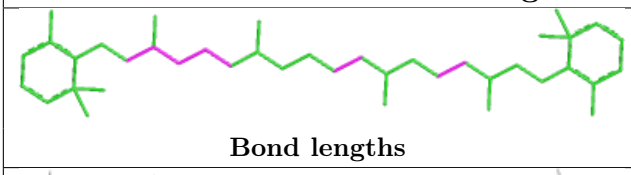


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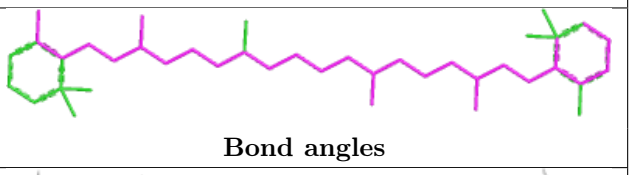


Rings

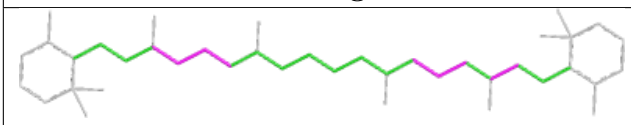
Ligand BCR K 102



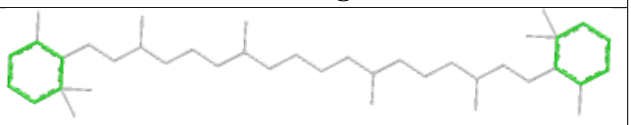
Bond lengths



Bond angles

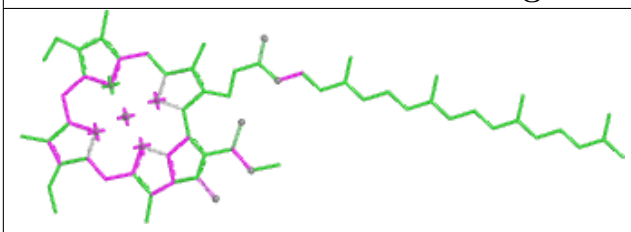


Torsions

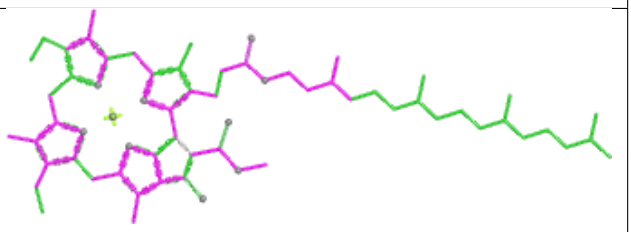


Rings

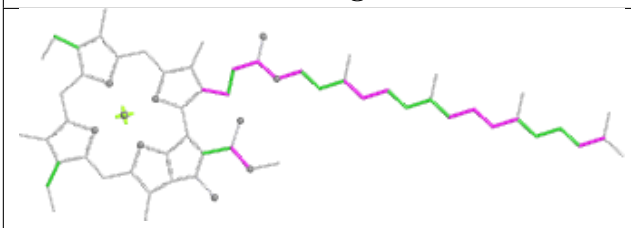
Ligand CLA H 802



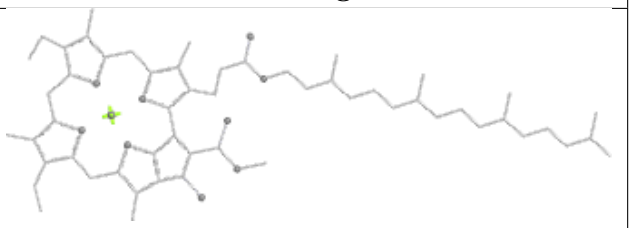
Bond lengths



Bond angles

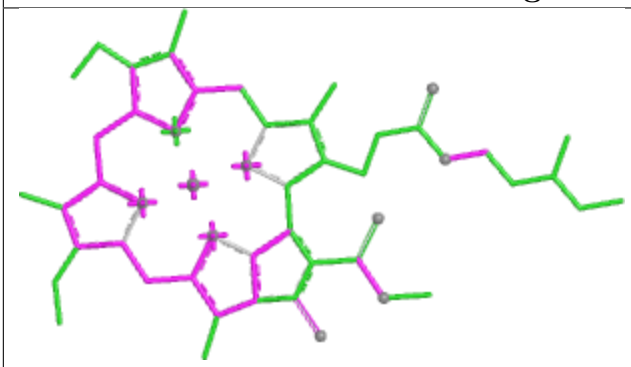


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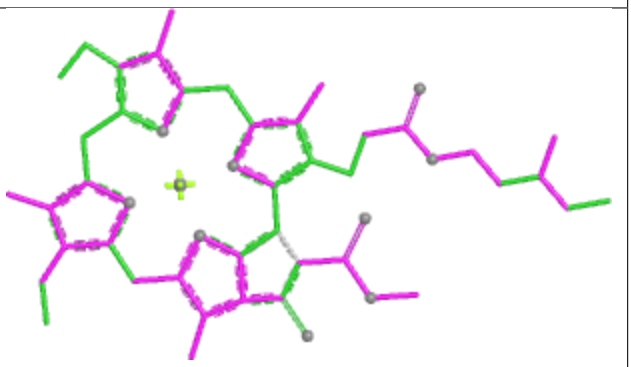


Rings

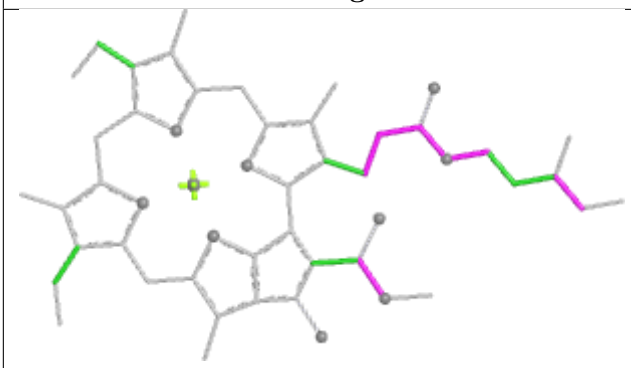
Ligand CLA Y 807



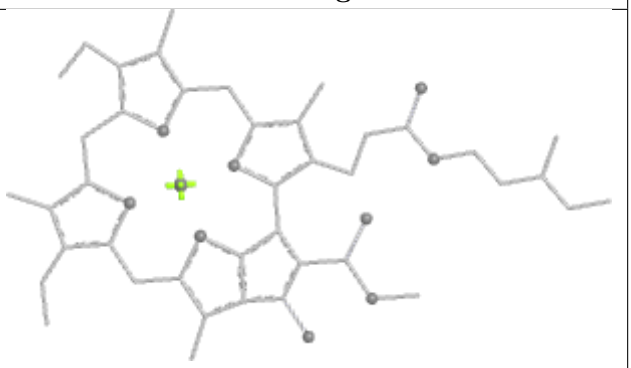
Bond lengths



Bond angles

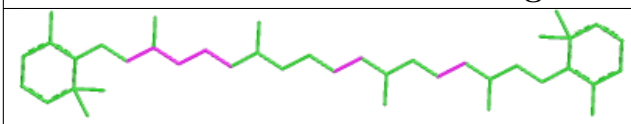


Torsions

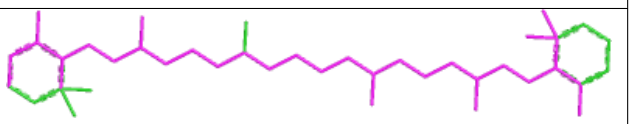


Rings

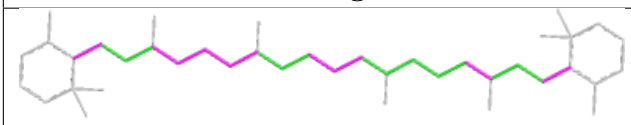
Ligand BCR L 203



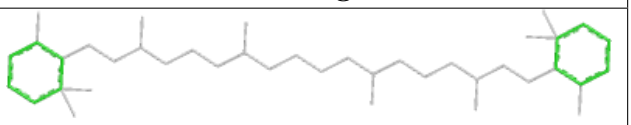
Bond lengths



Bond angles

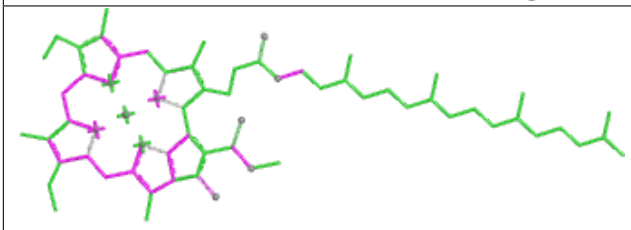


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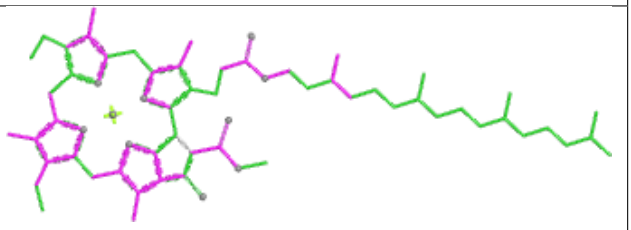


Rings

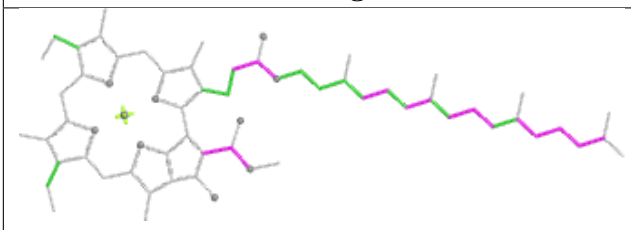
Ligand CLA G 837



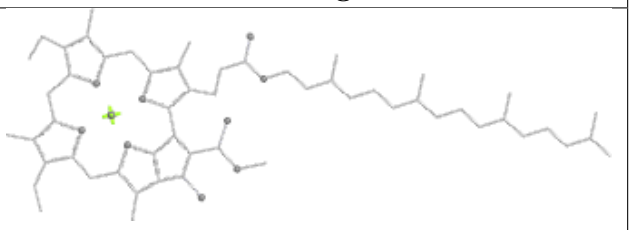
Bond lengths



Bond angles

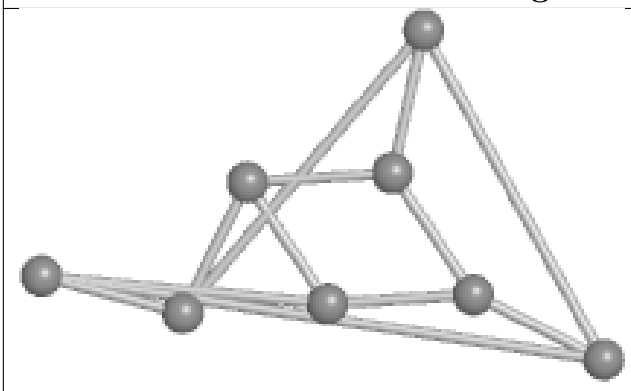


Torsions

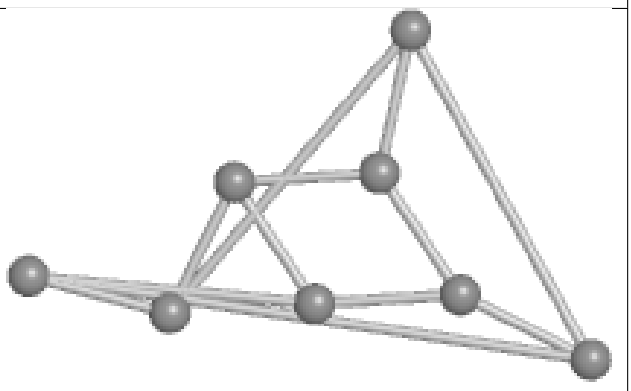


Rings

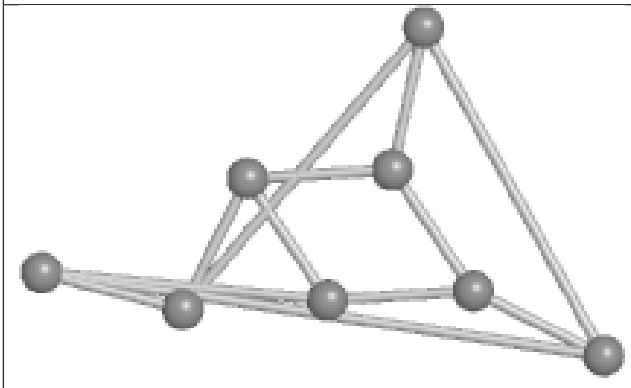
Ligand SF4 C 102



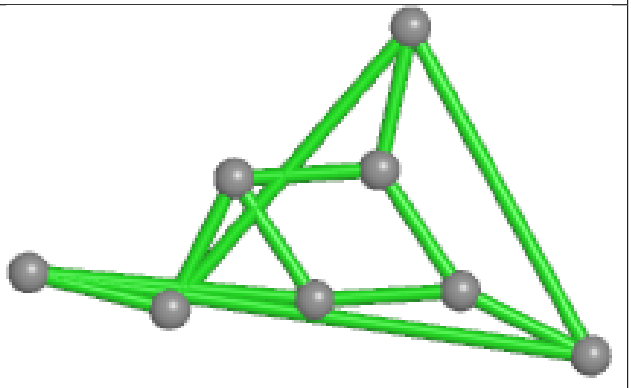
Bond lengths



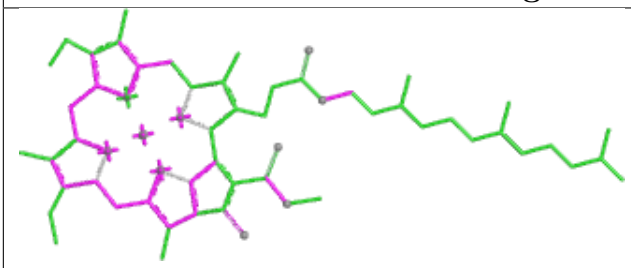
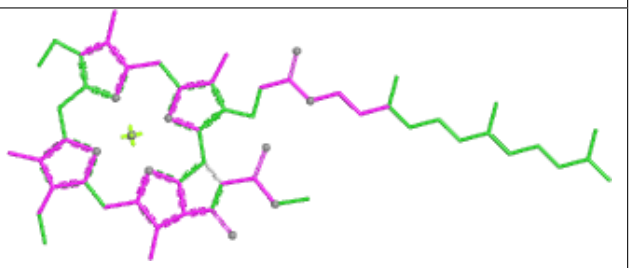
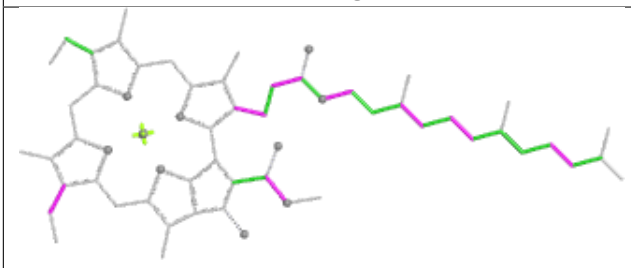
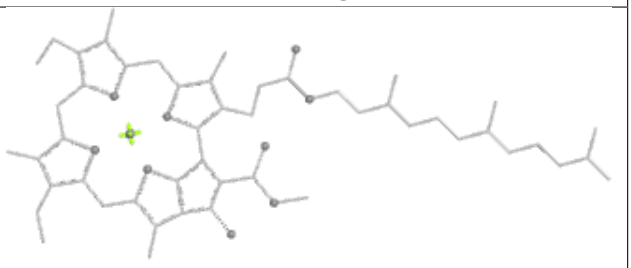
Bond angles

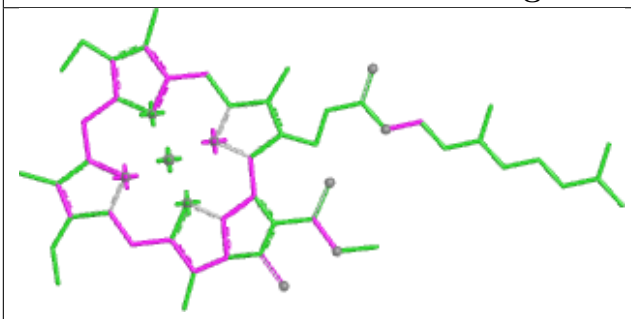
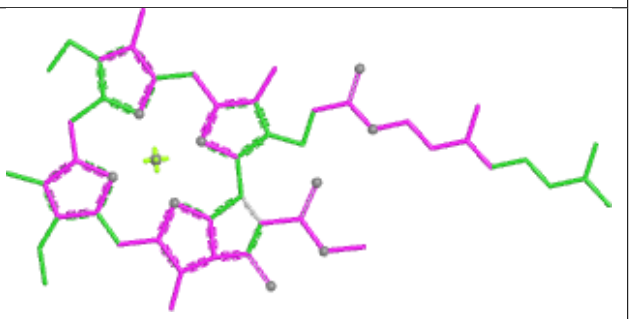
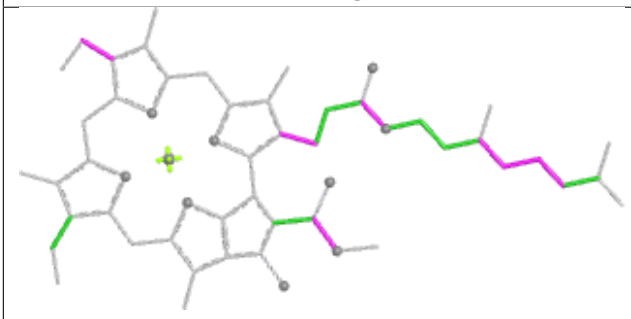
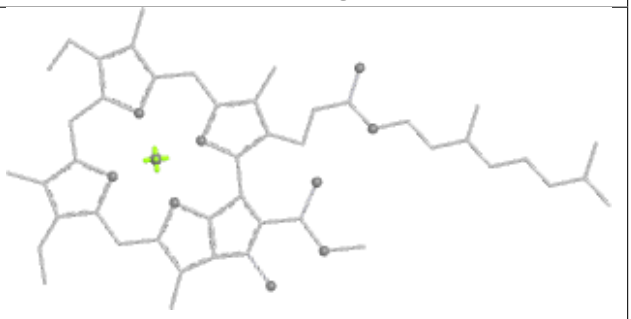


Torsions

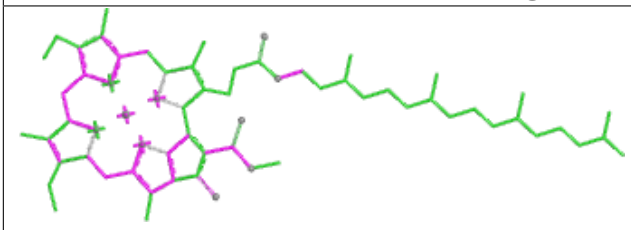


Rings

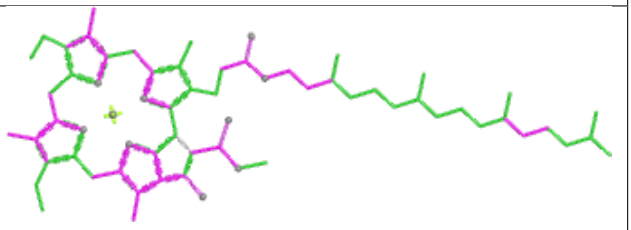
Ligand CLA G 813	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Y 812	
	
Bond lengths	Bond angles
	
Torsions	Rings

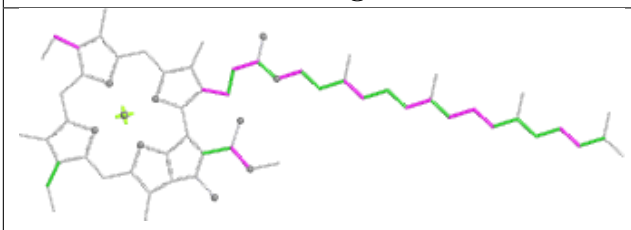
Ligand CLA Y 833



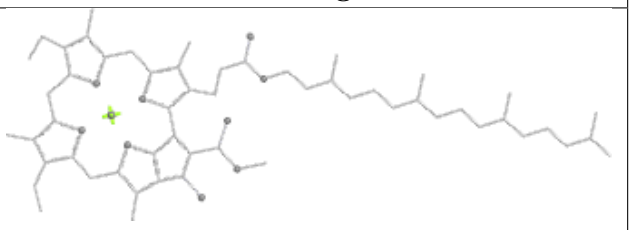
Bond lengths



Bond angles

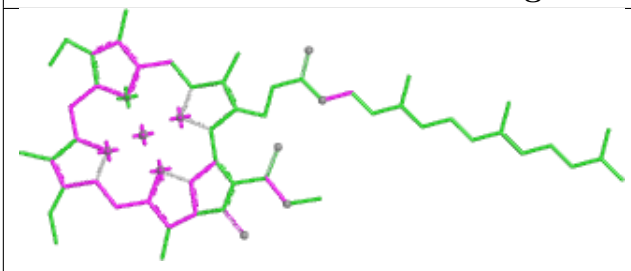


Torsions

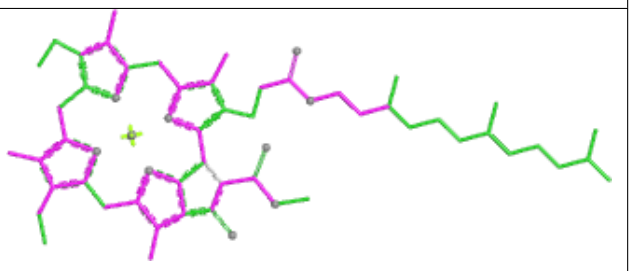


Rings

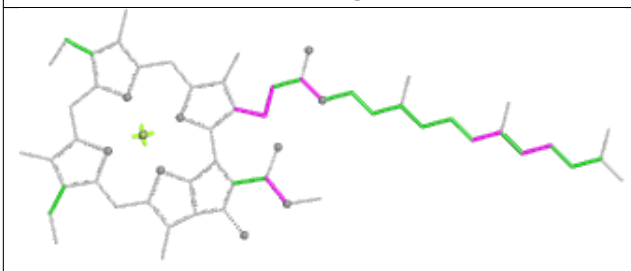
Ligand CLA B 818



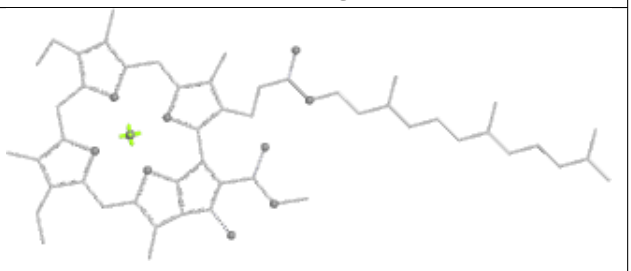
Bond lengths



Bond angles

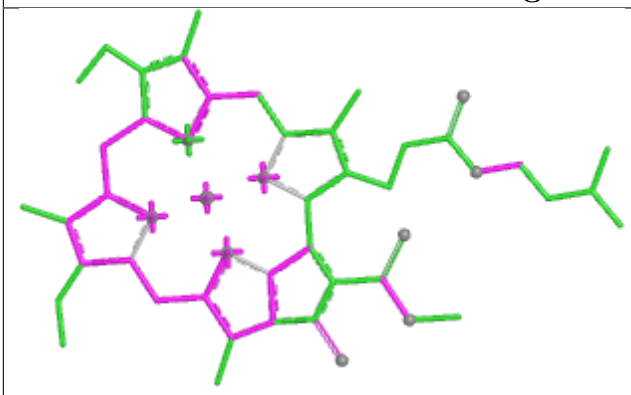


Torsions

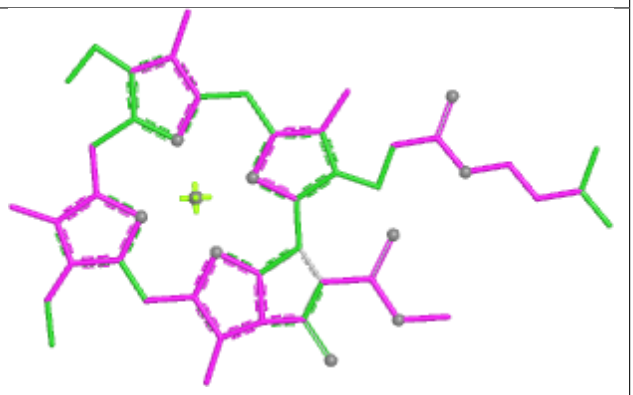


Rings

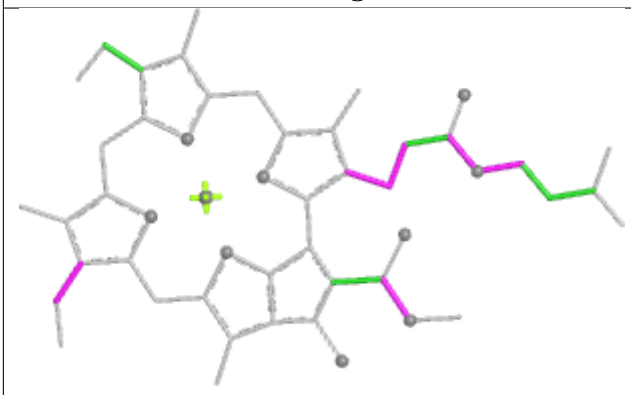
Ligand CLA Y 839



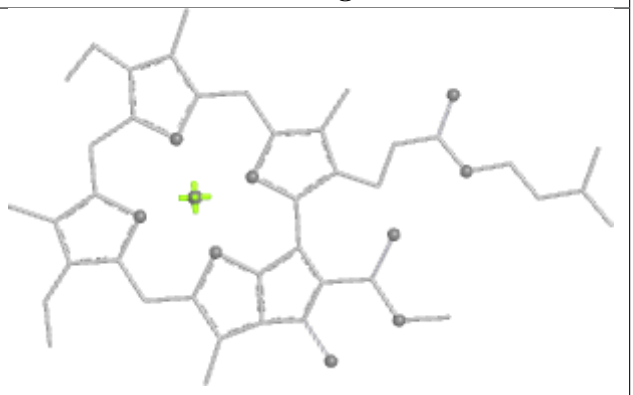
Bond lengths



Bond angles

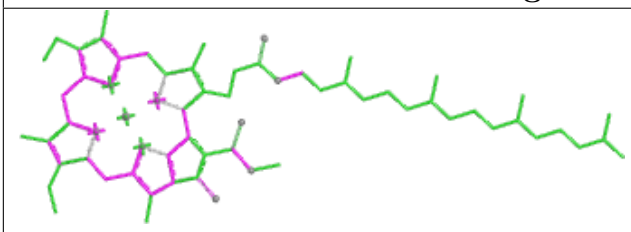


Torsions

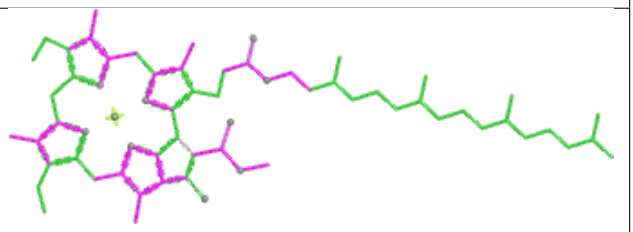


Rings

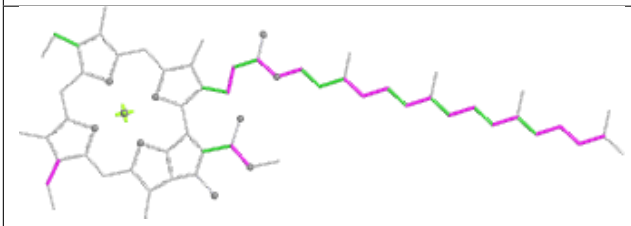
Ligand CLA Y 822



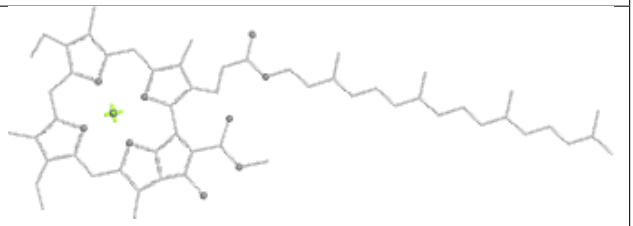
Bond lengths



Bond angles

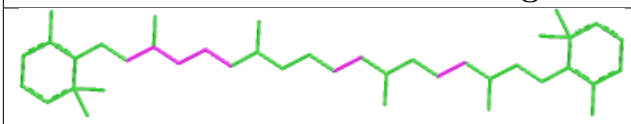


Torsions

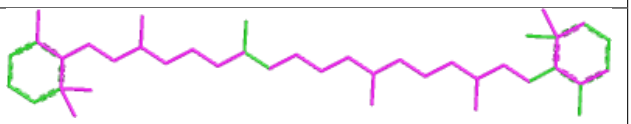


Rings

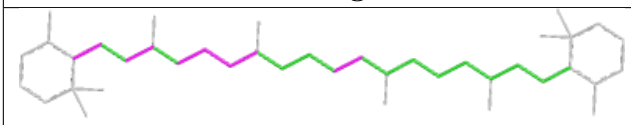
Ligand BCR G 849



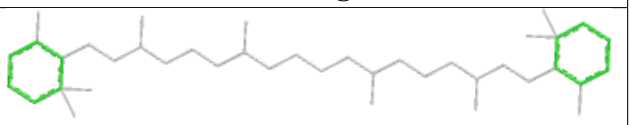
Bond lengths



Bond angles

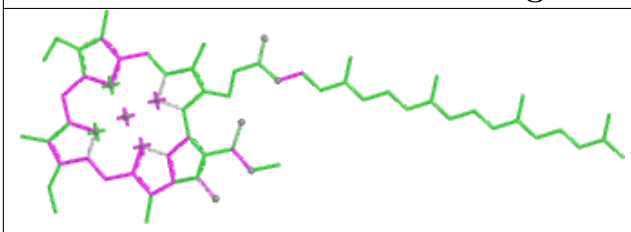


Torsions

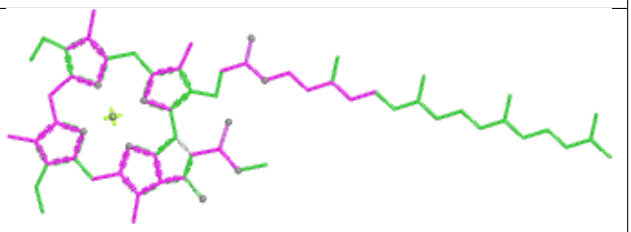


Rings

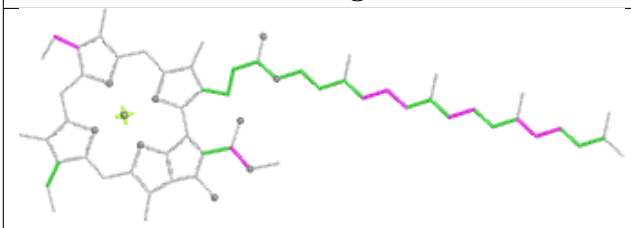
Ligand CLA Z 836



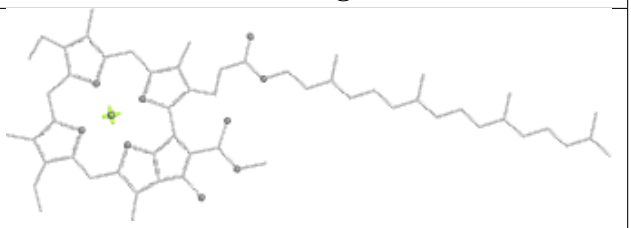
Bond lengths



Bond angles

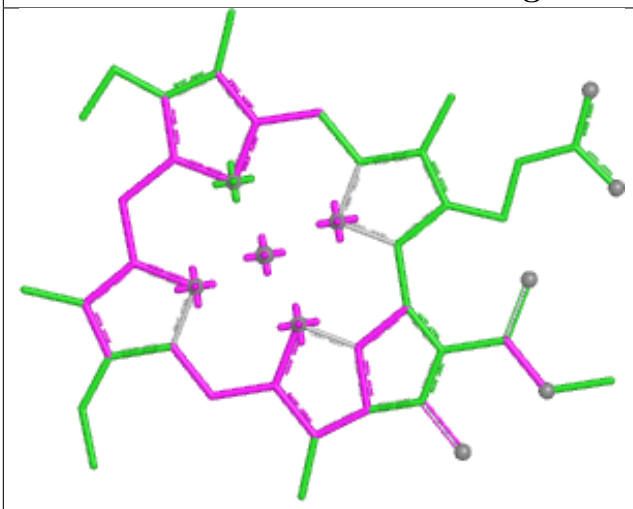


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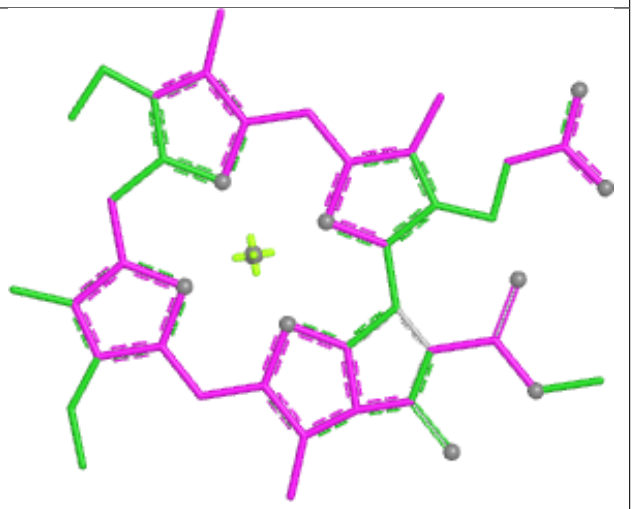


Rings

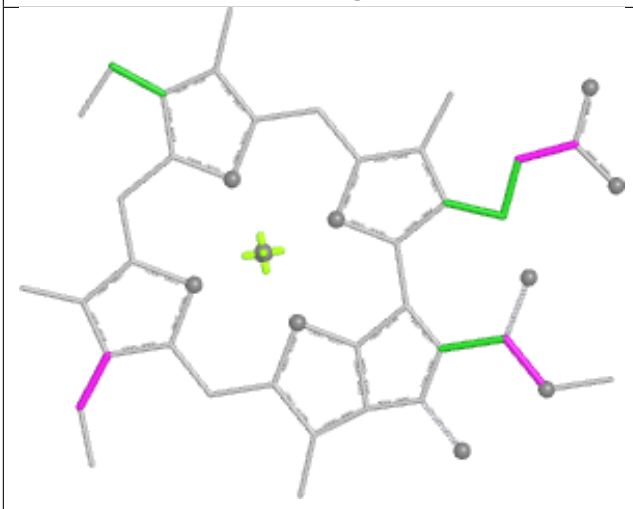
Ligand CLA G 810



Bond lengths



Bond angles

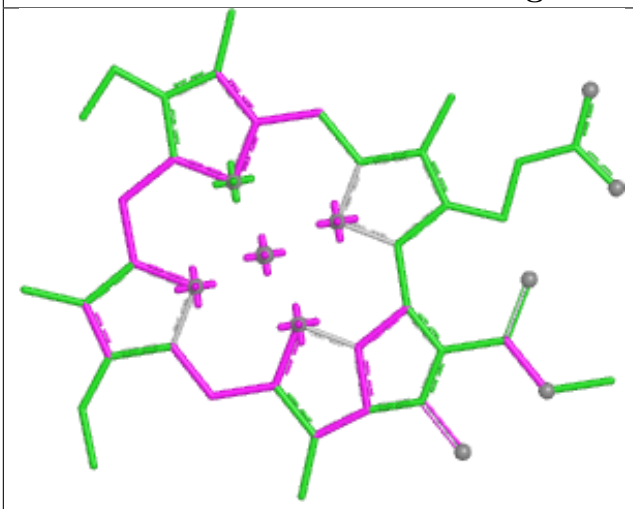


Torsions

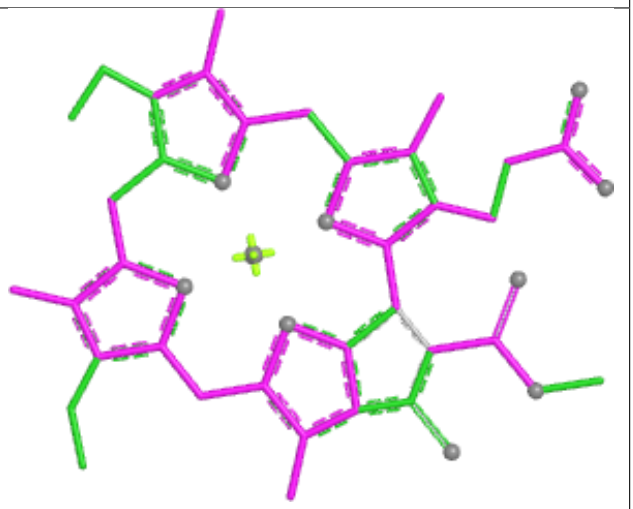


Rings

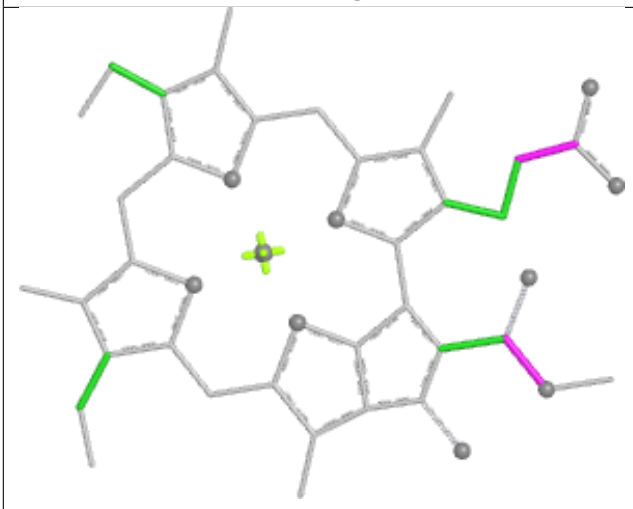
Ligand CLA F 202



Bond lengths



Bond angles

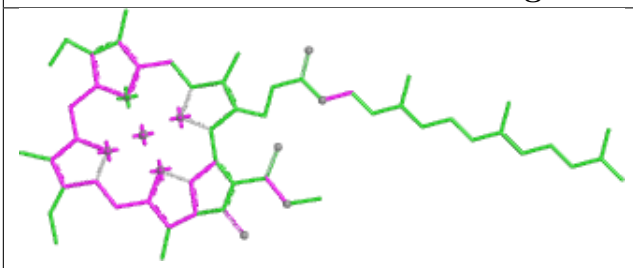


Torsions

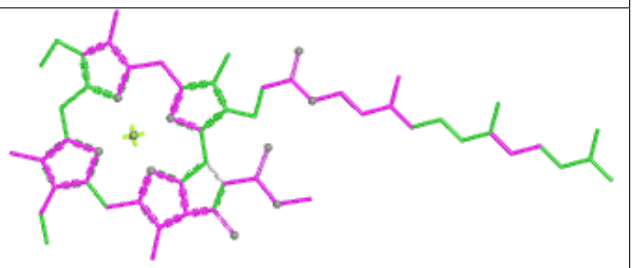


Rings

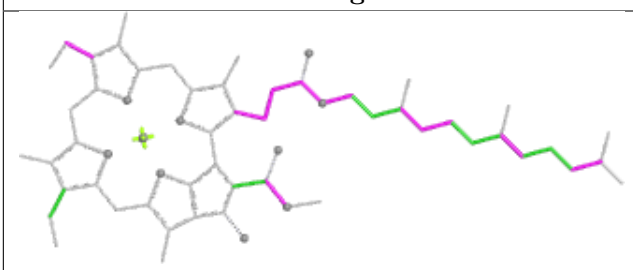
Ligand CLA B 819



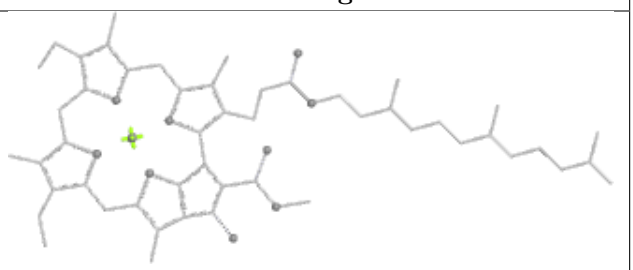
Bond lengths



Bond angles

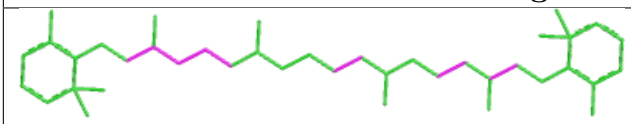


Torsions

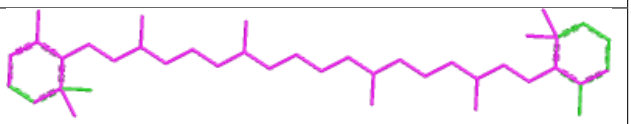


Rings

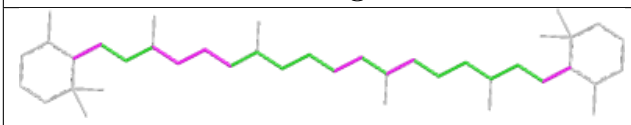
Ligand BCR i 101



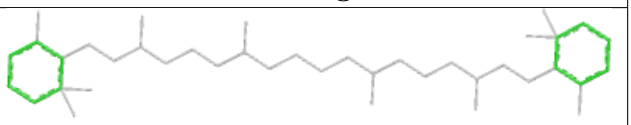
Bond lengths



Bond angles

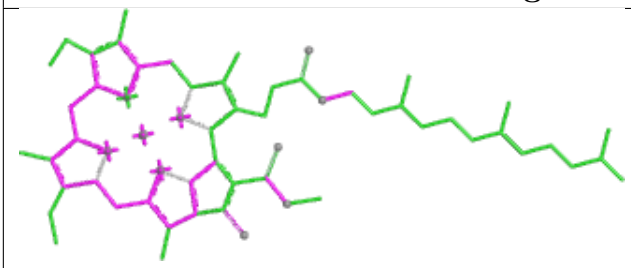


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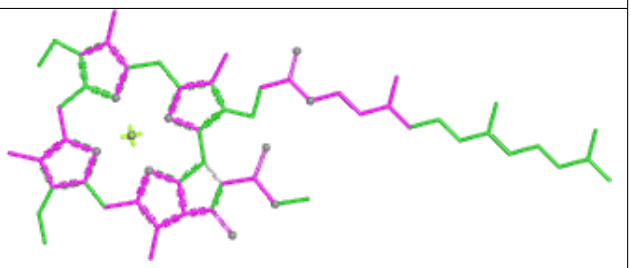


Rings

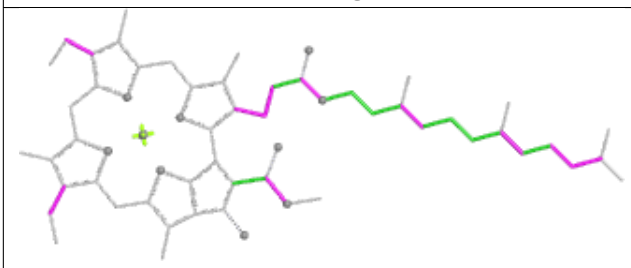
Ligand CLA A 820



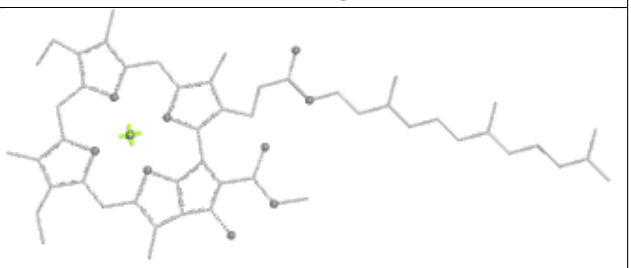
Bond lengths



Bond angles

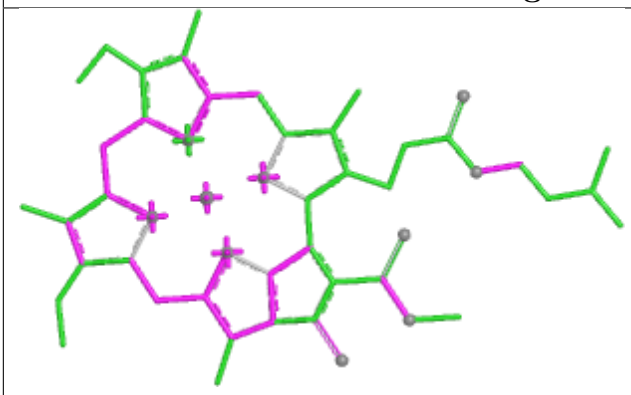


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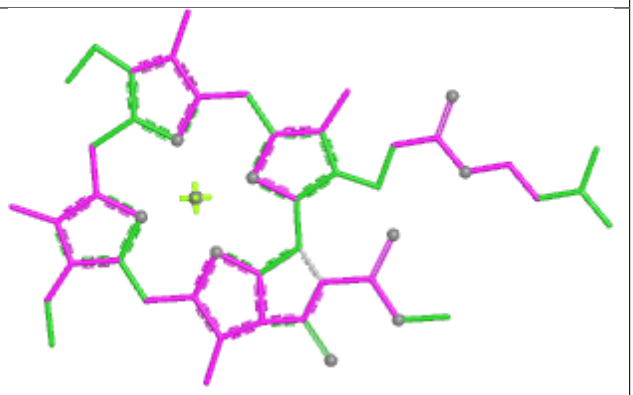


Rings

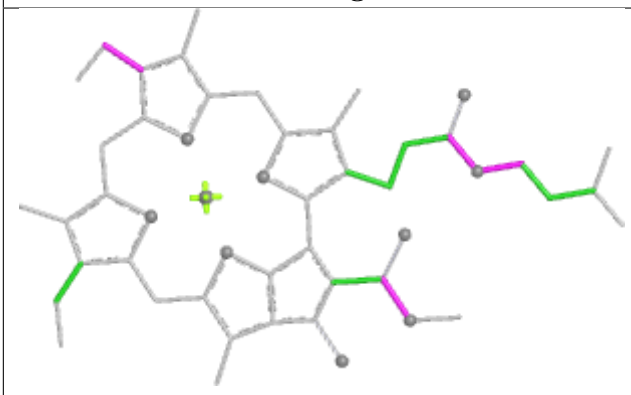
Ligand CLA A 831



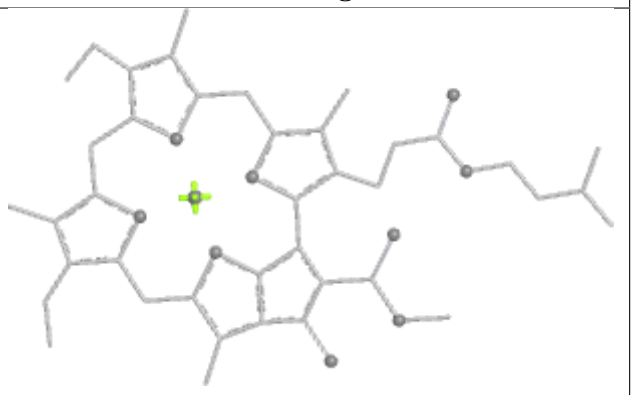
Bond lengths



Bond angles

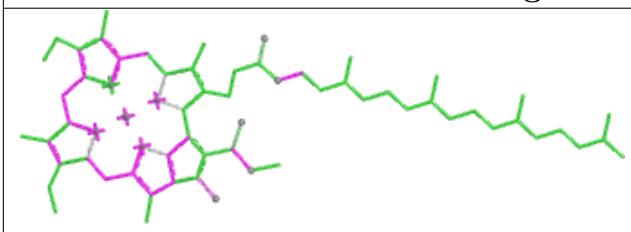


Torsions

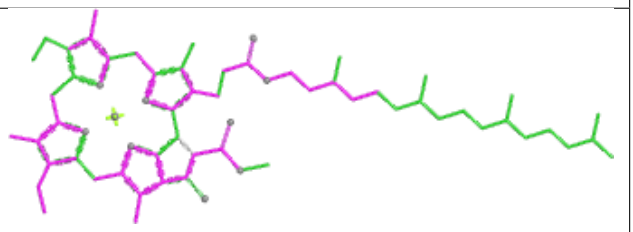


Rings

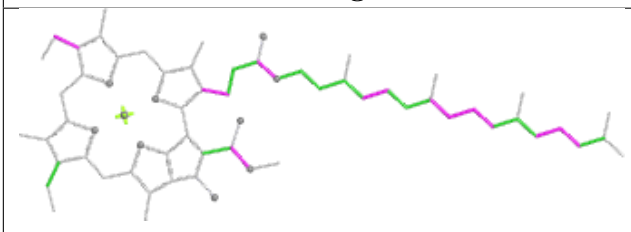
Ligand CLA Y 805



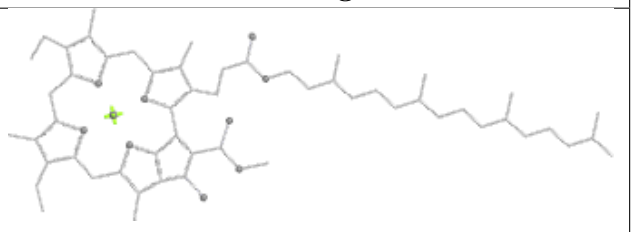
Bond lengths



Bond angles

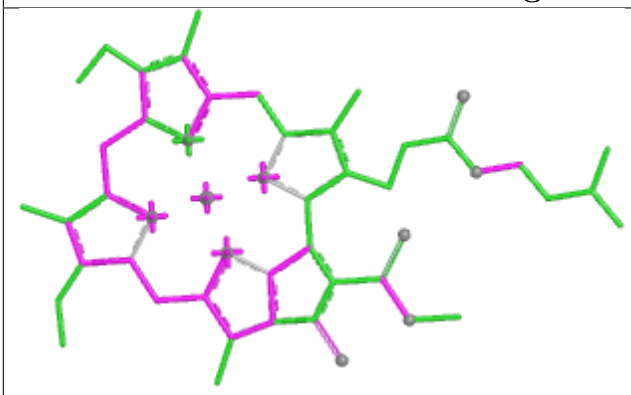


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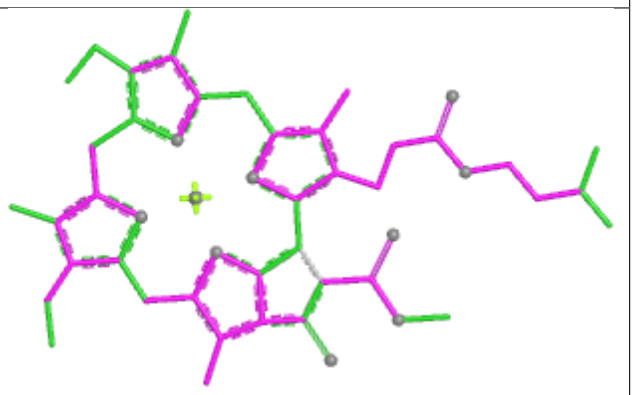


Rings

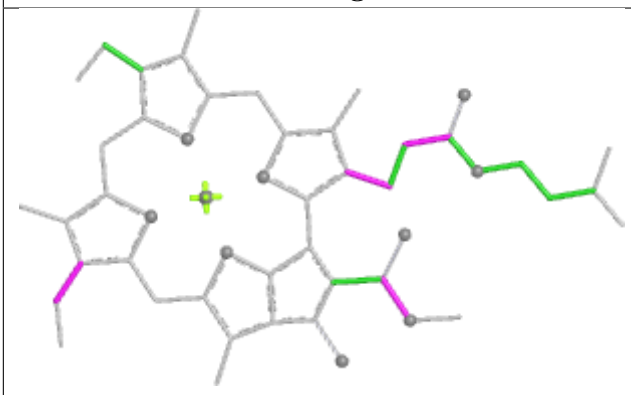
Ligand CLA A 814



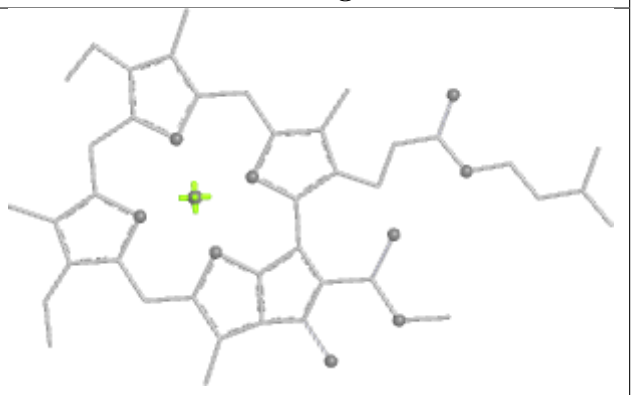
Bond lengths



Bond angles

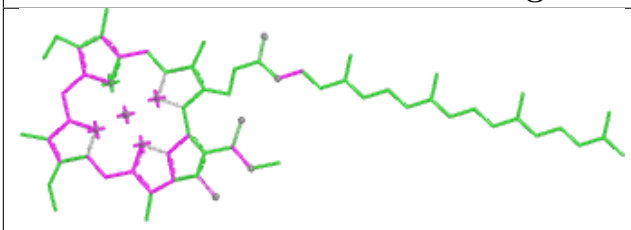


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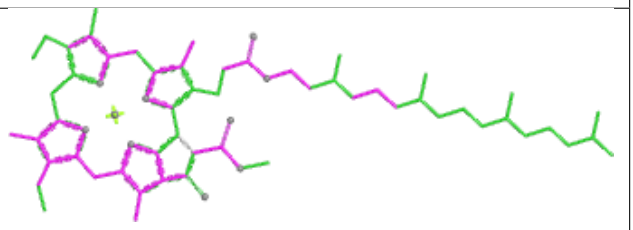


Rings

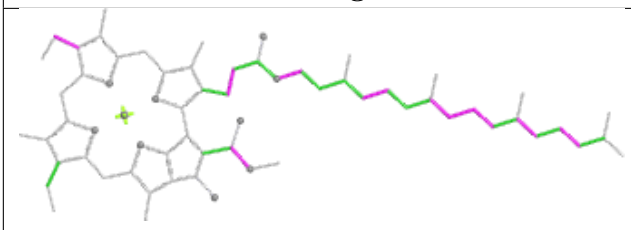
Ligand CLA Z 838



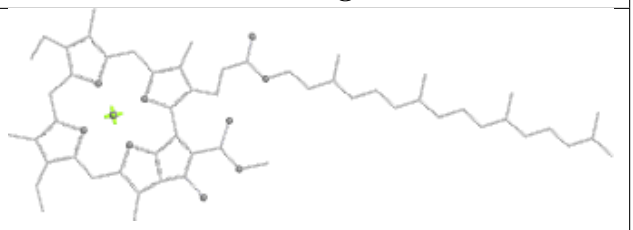
Bond lengths



Bond angles

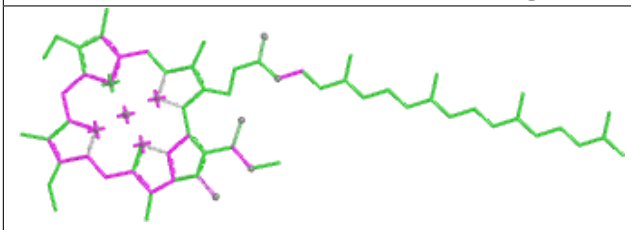


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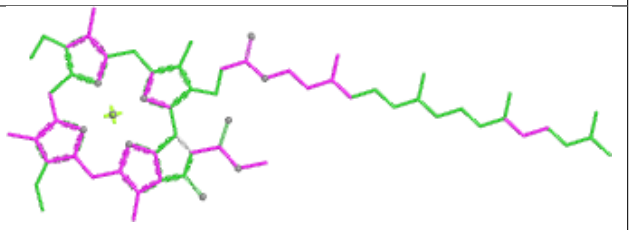


Rings

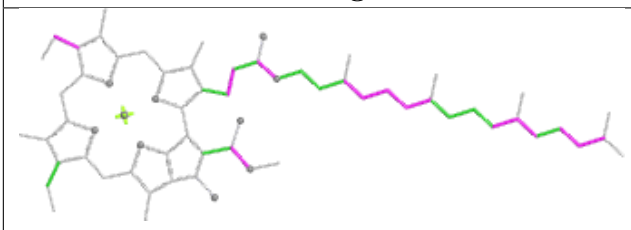
Ligand CLA G 842



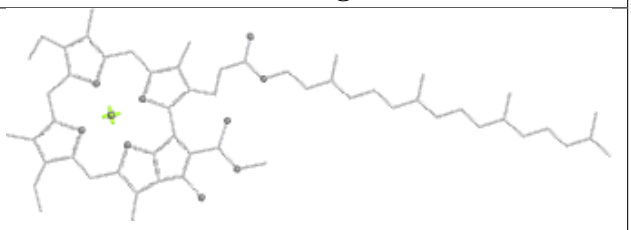
Bond lengths



Bond angles

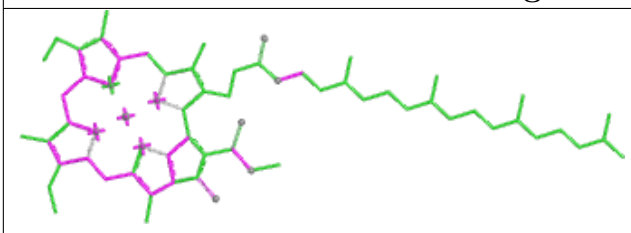


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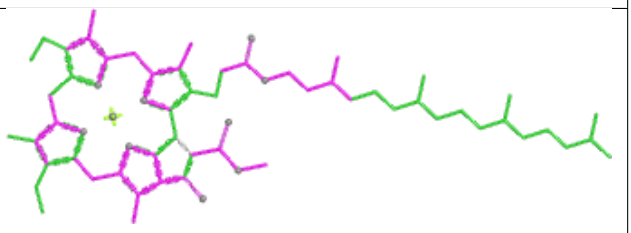


Rings

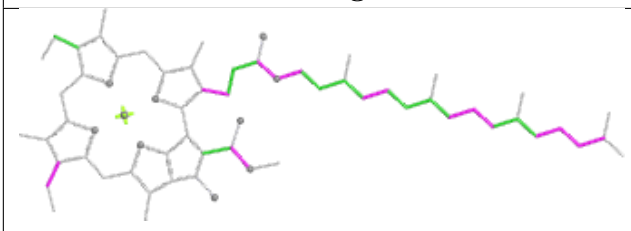
Ligand CLA Y 818



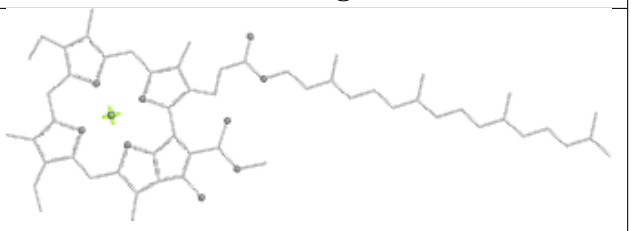
Bond lengths



Bond angles

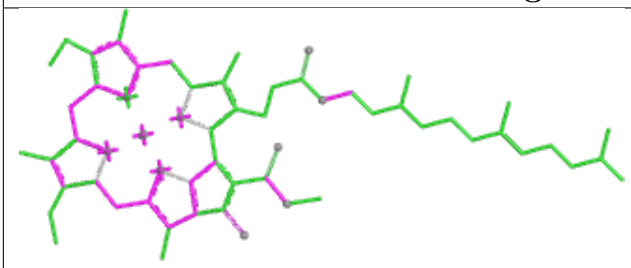


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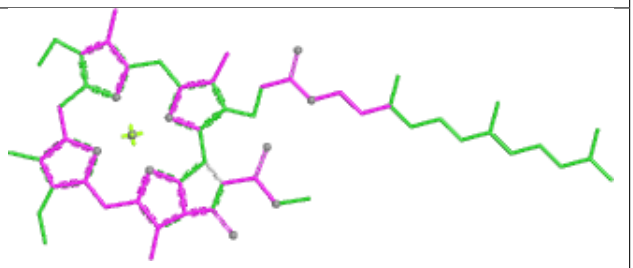


Rings

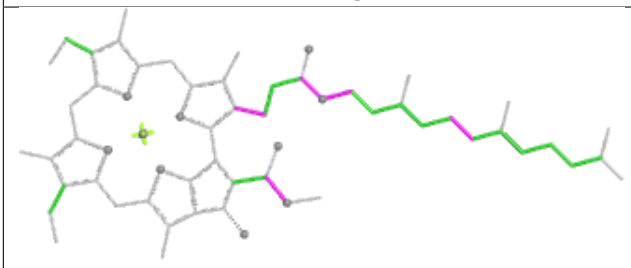
Ligand CLA B 837



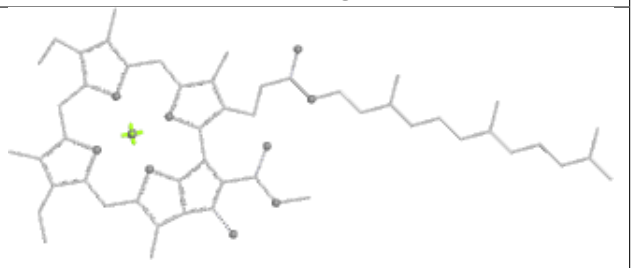
Bond lengths



Bond angles

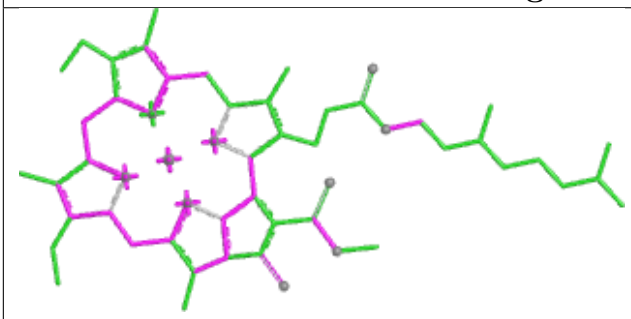


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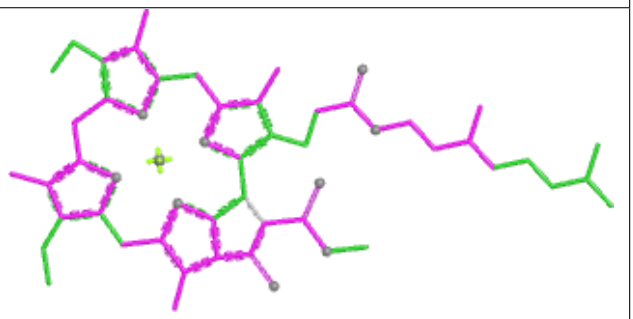


Rings

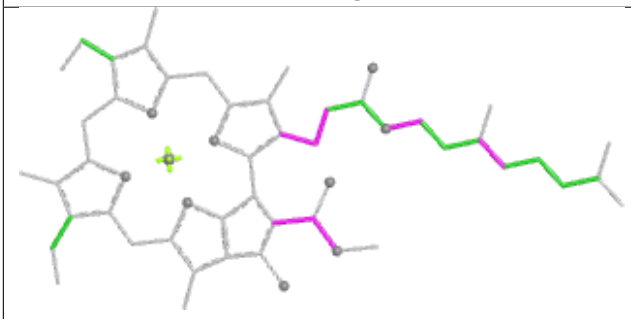
Ligand CLA Z 822



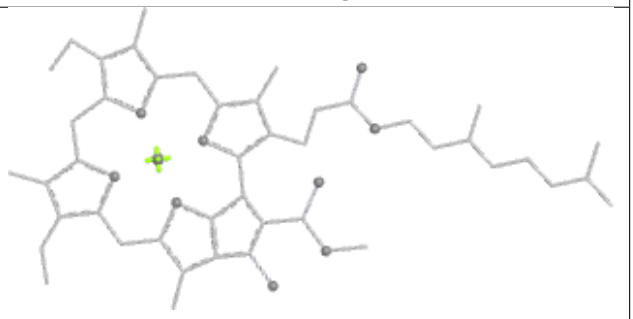
Bond lengths



Bond angles

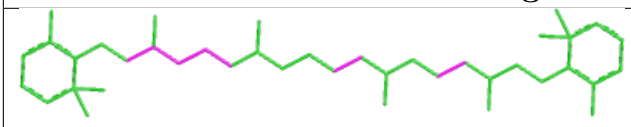


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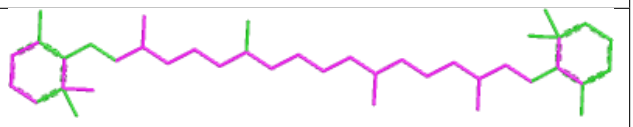


Rings

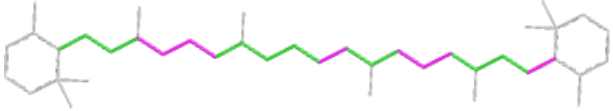
Ligand BCR Y 846



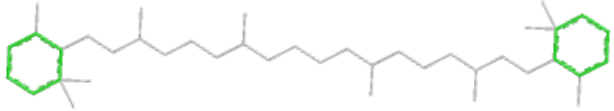
Bond lengths



Bond angles

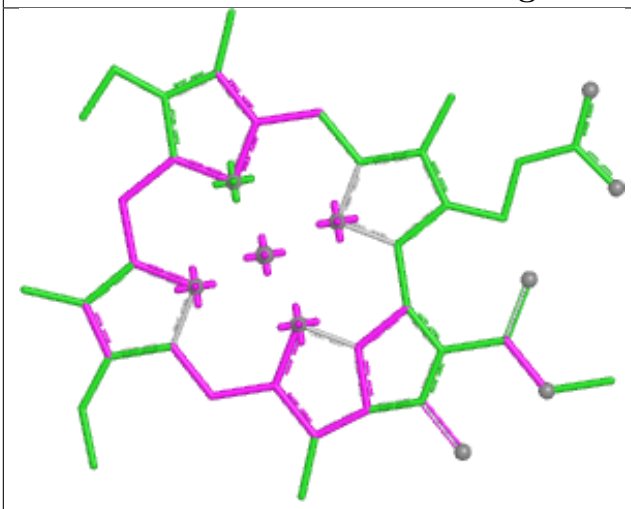


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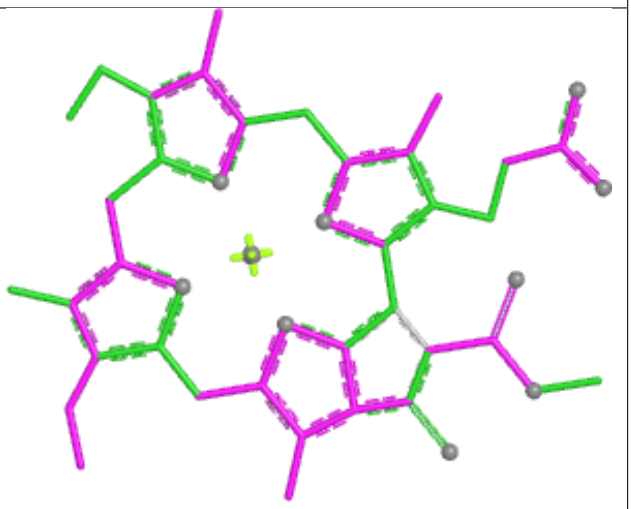


Rings

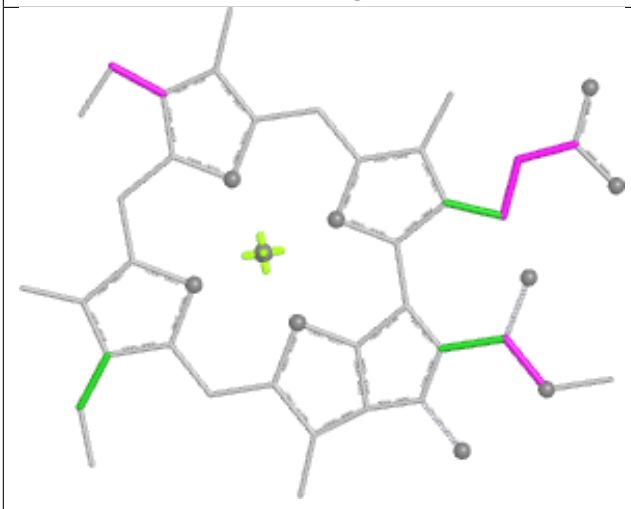
Ligand CLA S 1102



Bond lengths



Bond angles

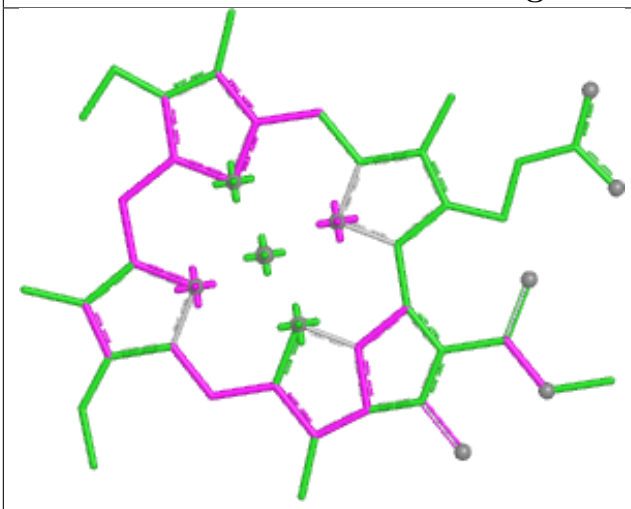


Torsions

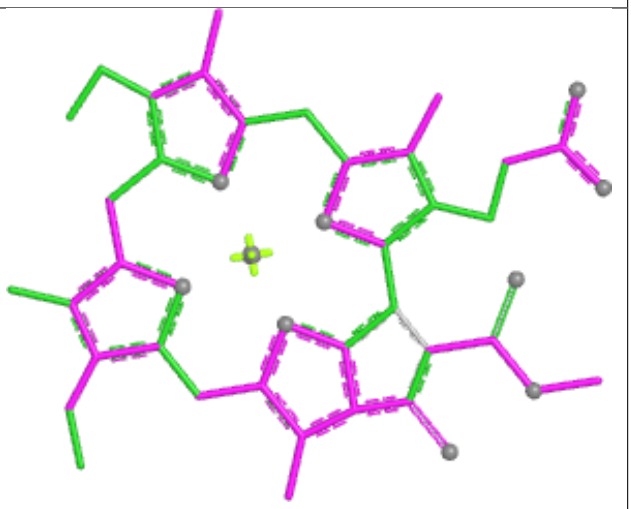


Rings

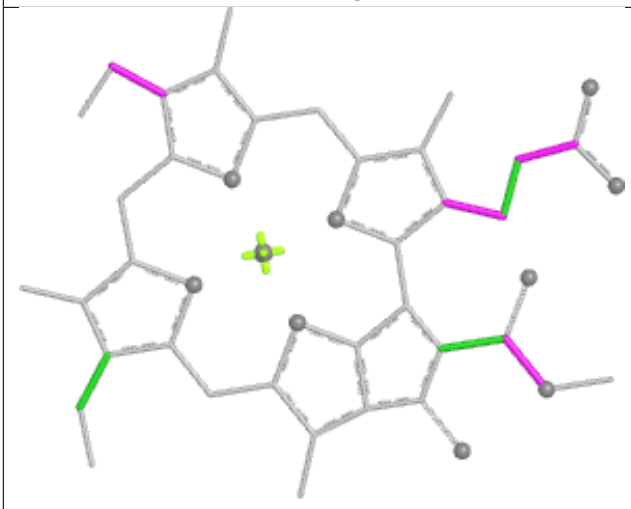
Ligand CLA Z 833



Bond lengths



Bond angles

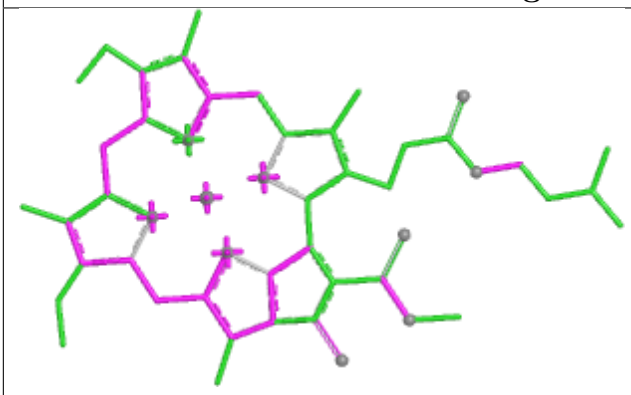


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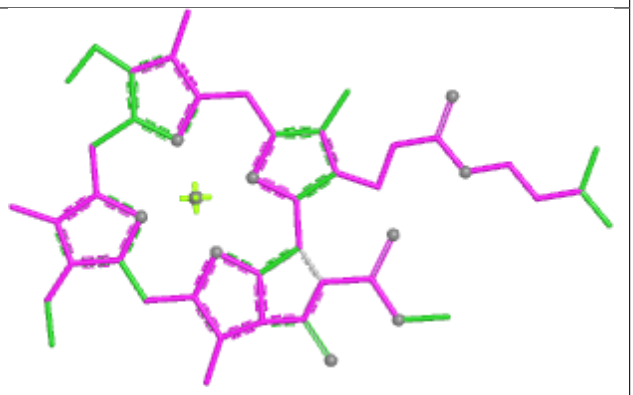


Rings

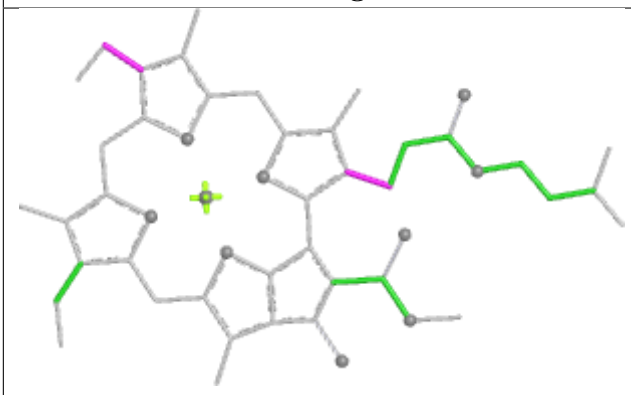
Ligand CLA G 814



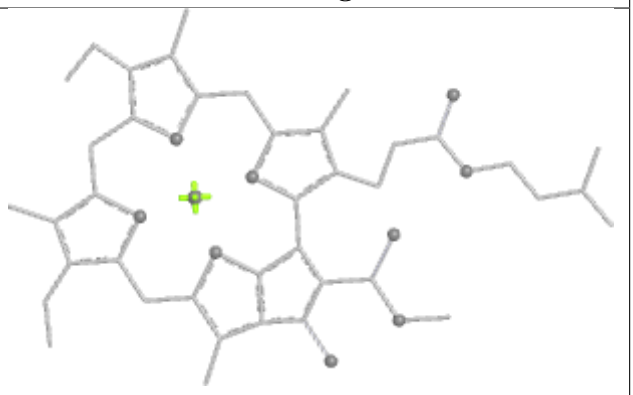
Bond lengths



Bond angles

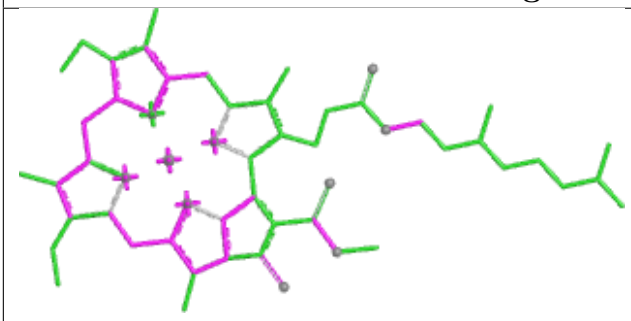


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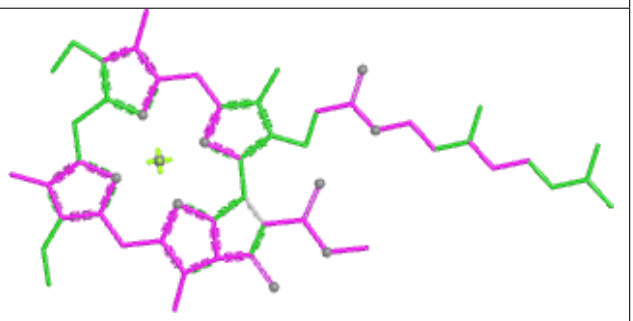


Rings

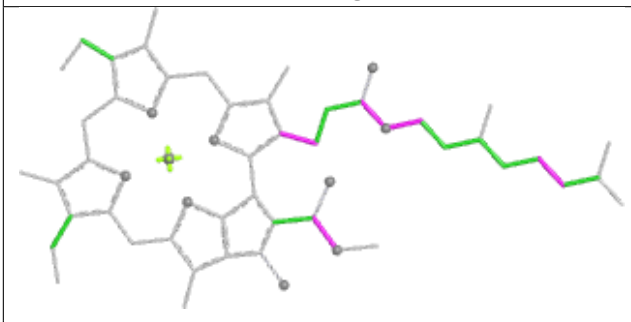
Ligand CLA G 834



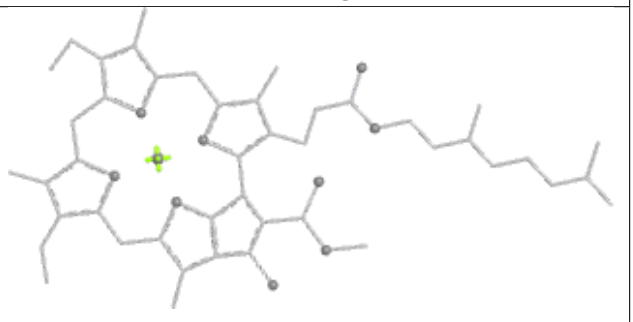
Bond lengths



Bond angles

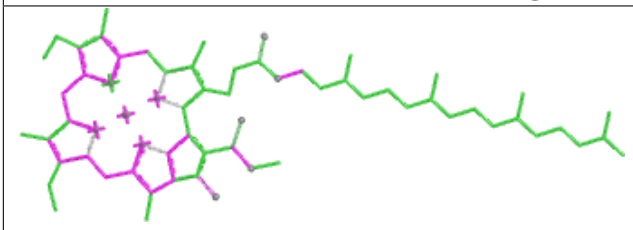


Torsions

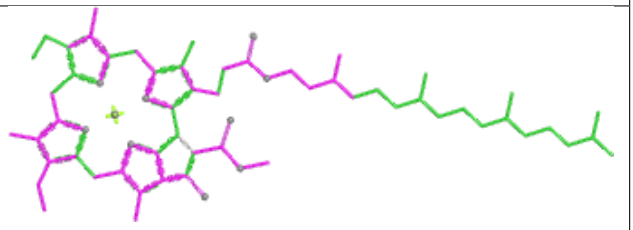


Rings

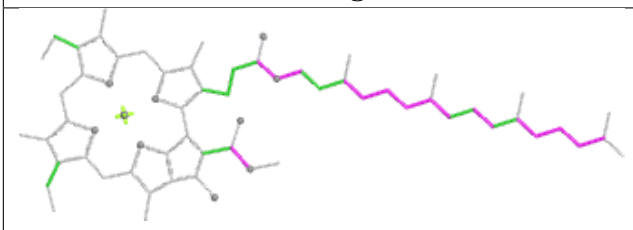
Ligand CLA Z 805



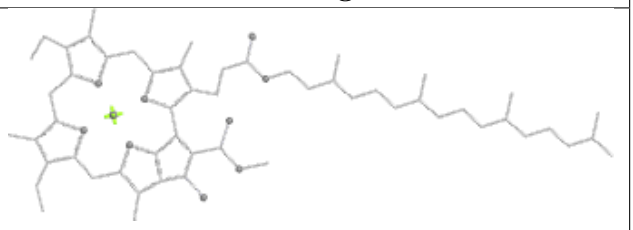
Bond lengths



Bond angles

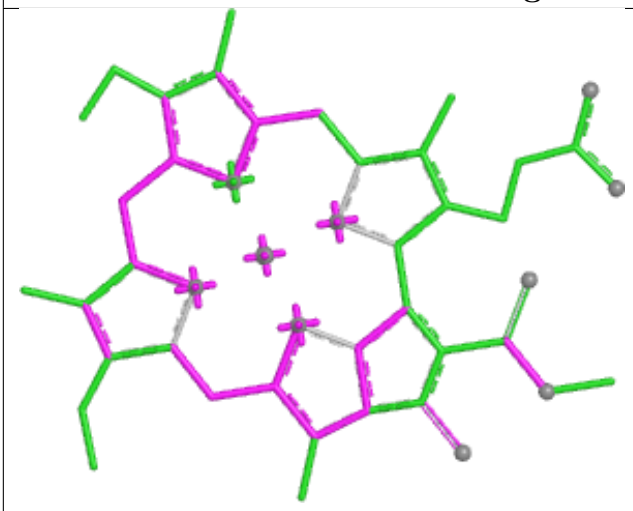


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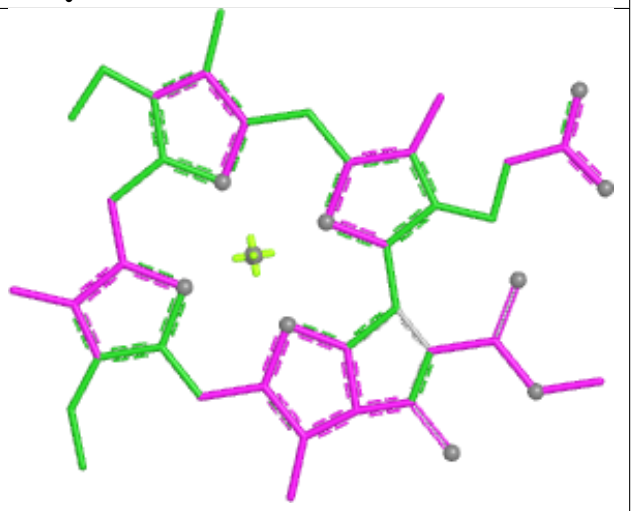


Rings

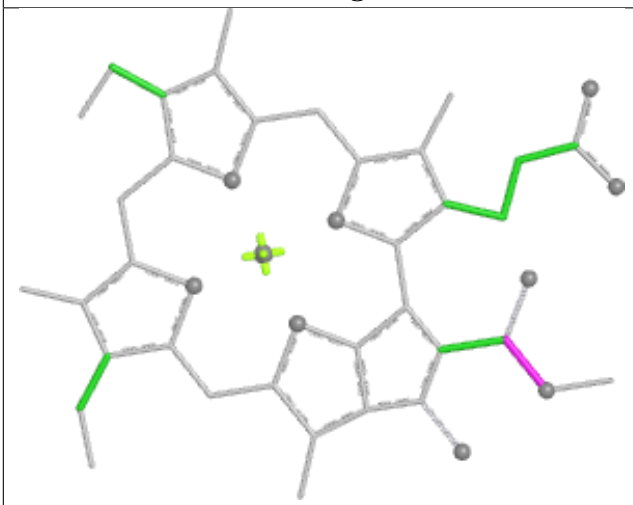
Ligand CLA Q 203



Bond lengths



Bond angles

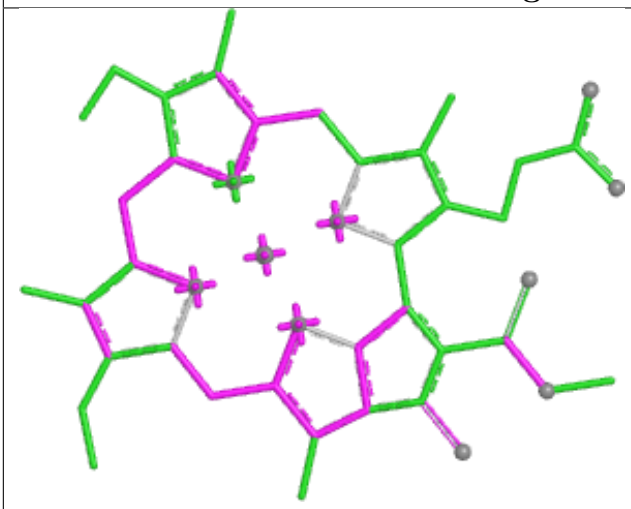


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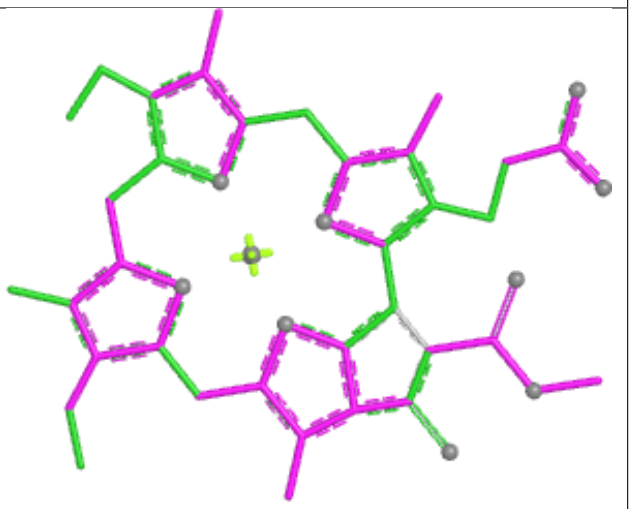


Rings

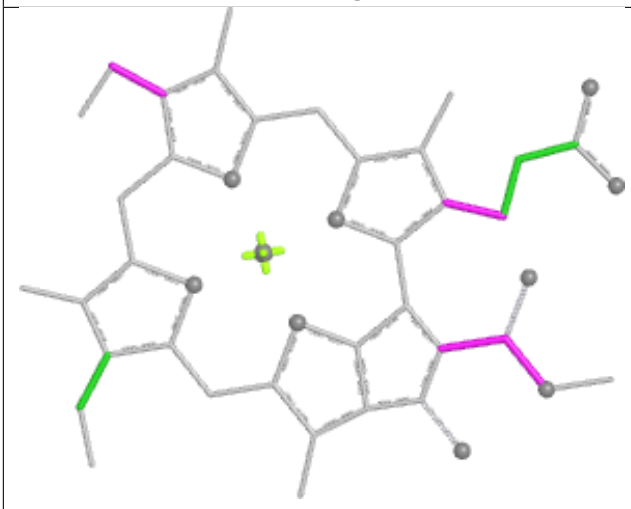
Ligand CLA K 103



Bond lengths



Bond angles

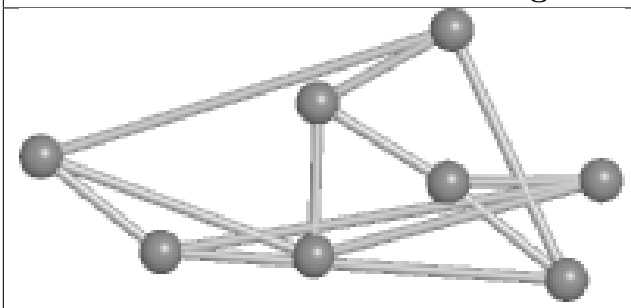


Torsions

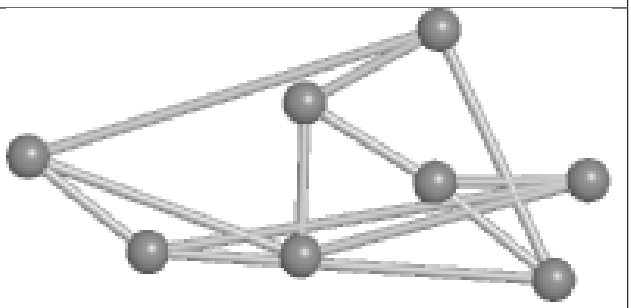


Rings

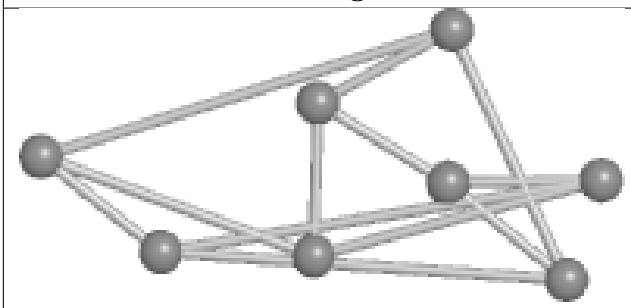
Ligand SF4 N 101



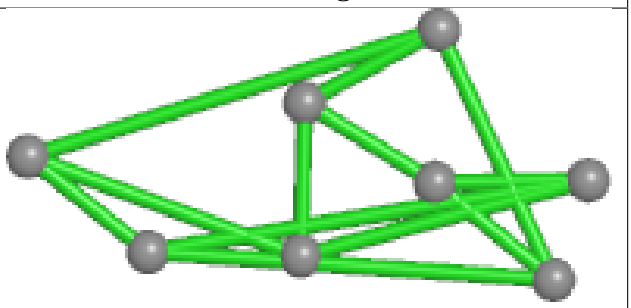
Bond lengths



Bond angles

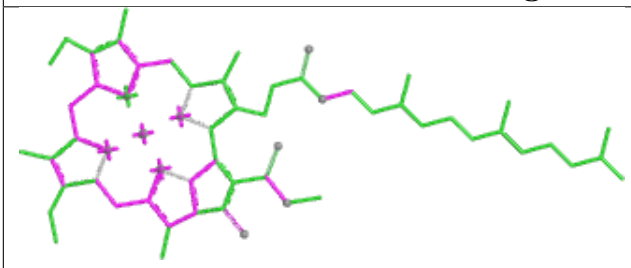


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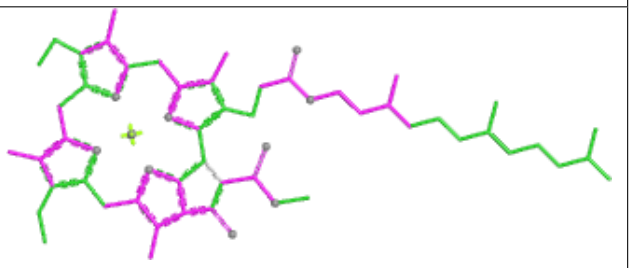


Rings

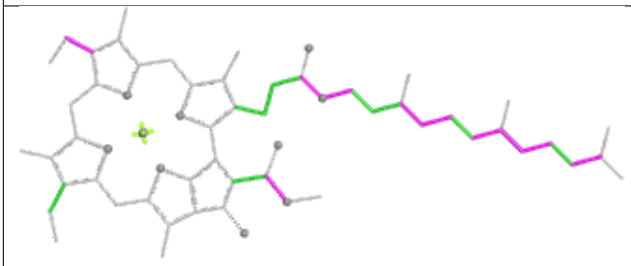
Ligand CLA G 826



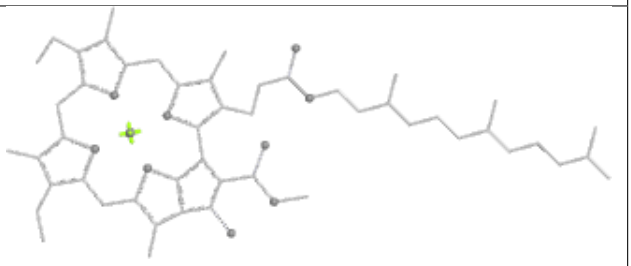
Bond lengths



Bond angles

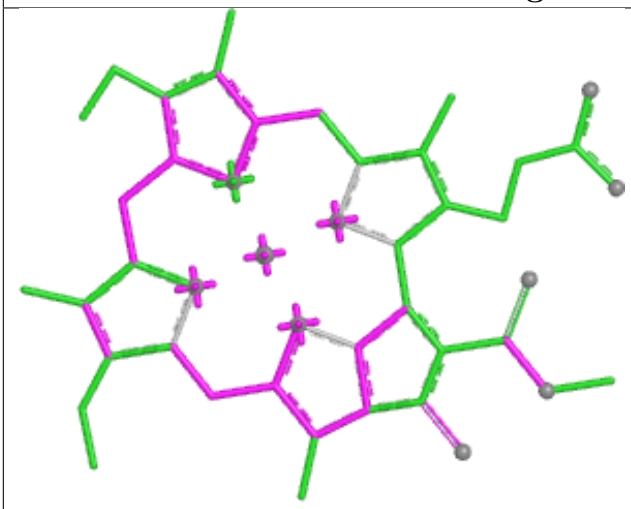


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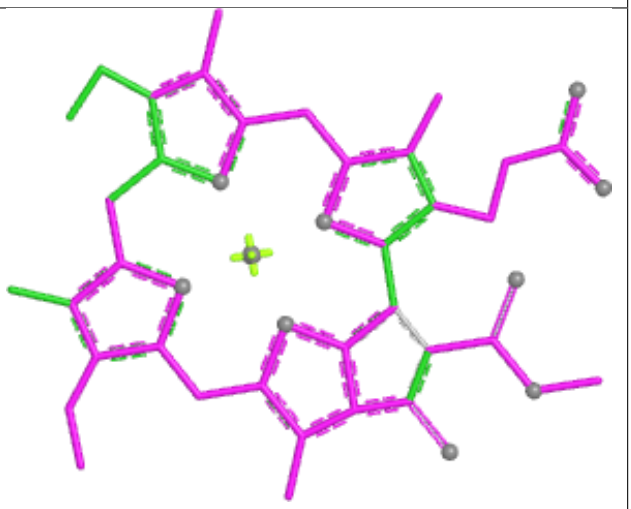


Rings

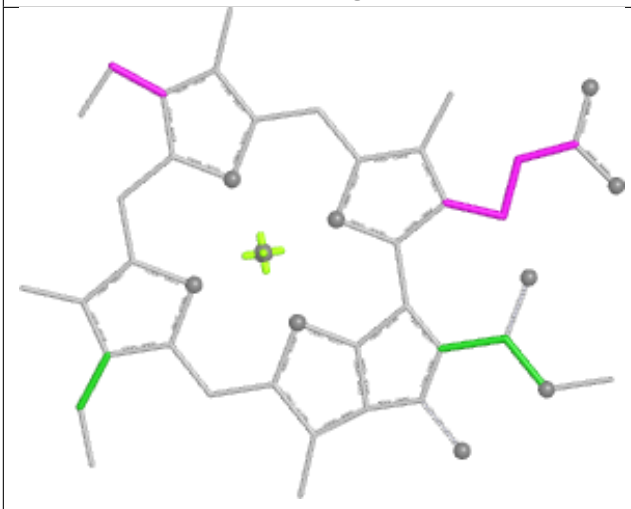
Ligand CLA Z 818



Bond lengths



Bond angles

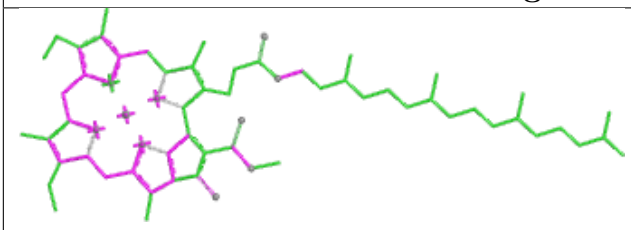


Torsions

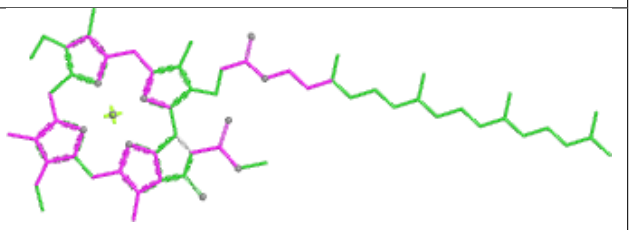


Rings

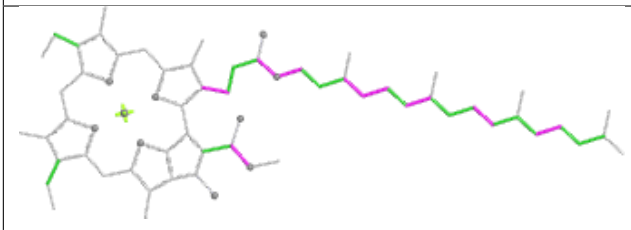
Ligand CLA A 819



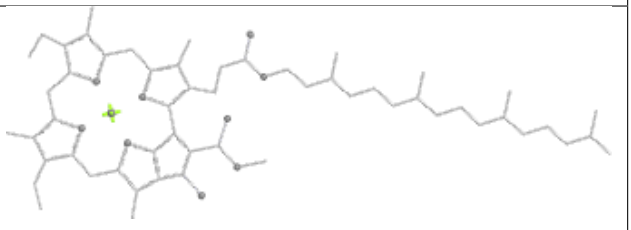
Bond lengths



Bond angles

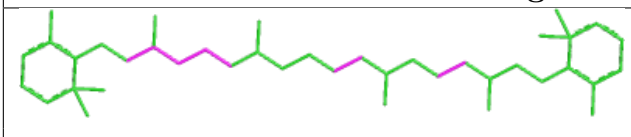


Torsions

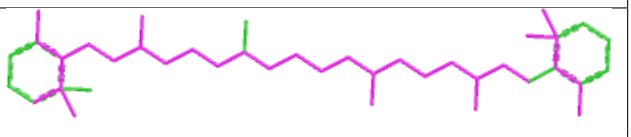


Rings

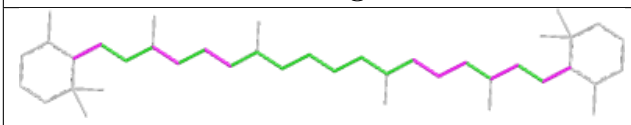
Ligand BCR e 101



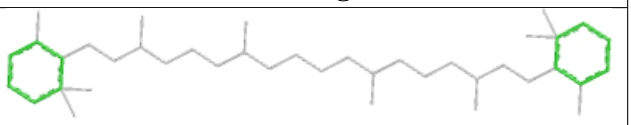
Bond lengths



Bond angles

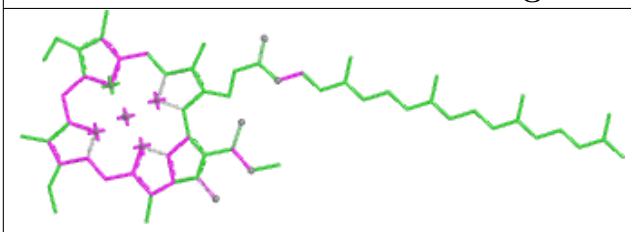


Torsions

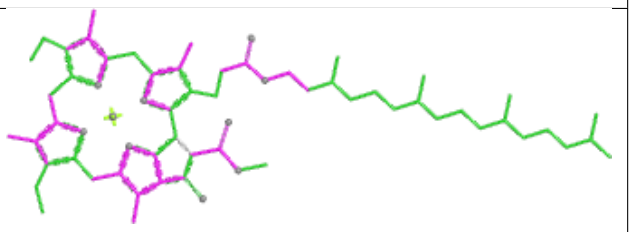


Rings

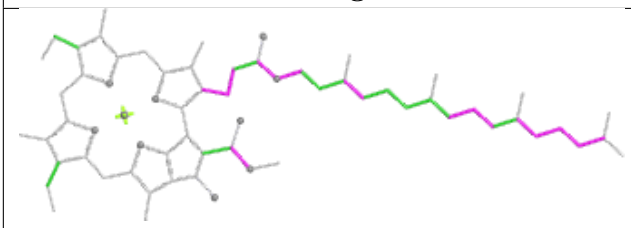
Ligand CLA A 811



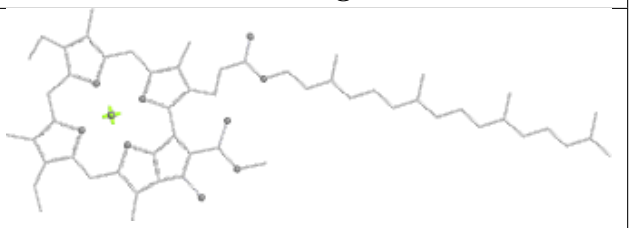
Bond lengths



Bond angles

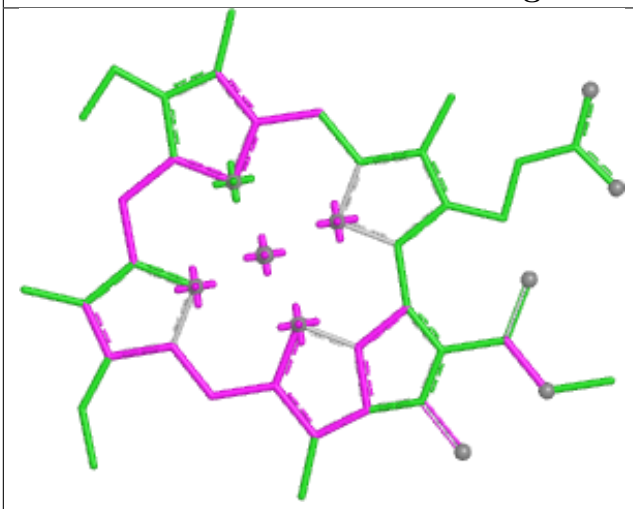


Torsions

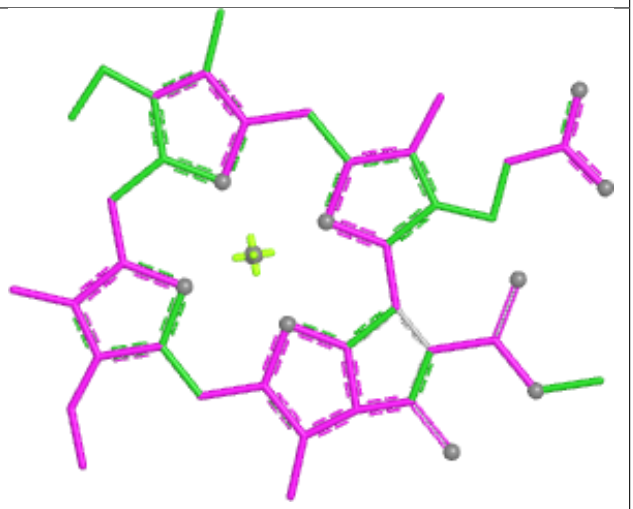


Rings

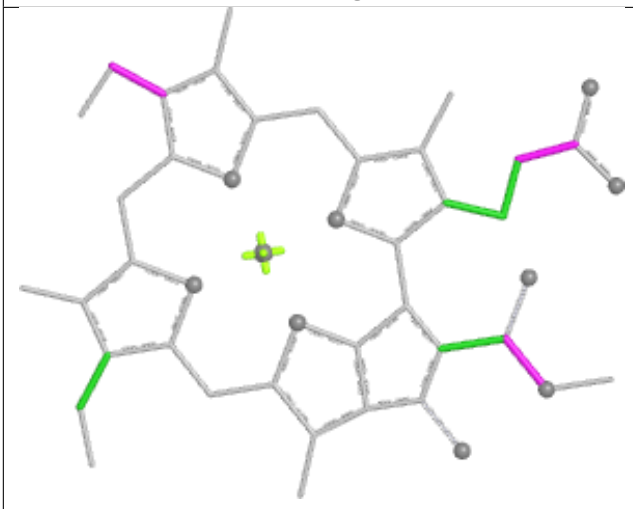
Ligand CLA H 833



Bond lengths



Bond angles

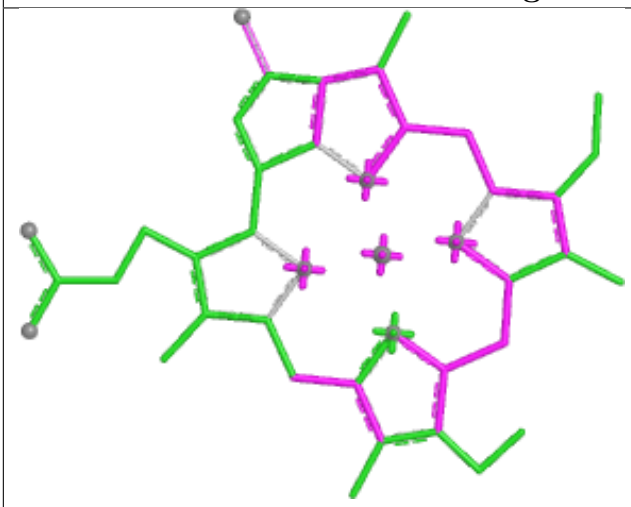


Torsions

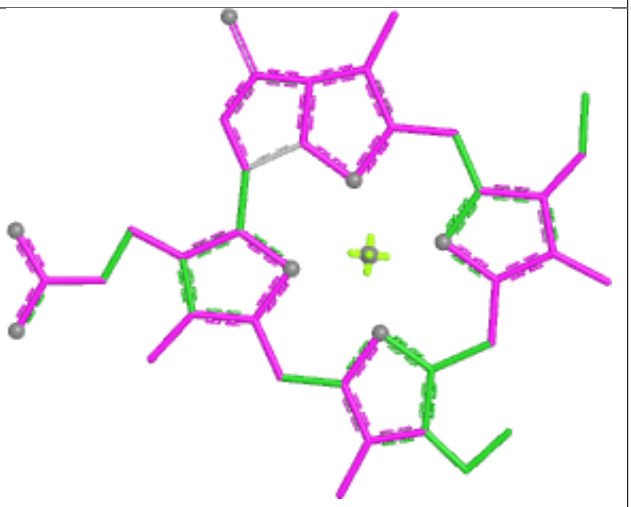


Rings

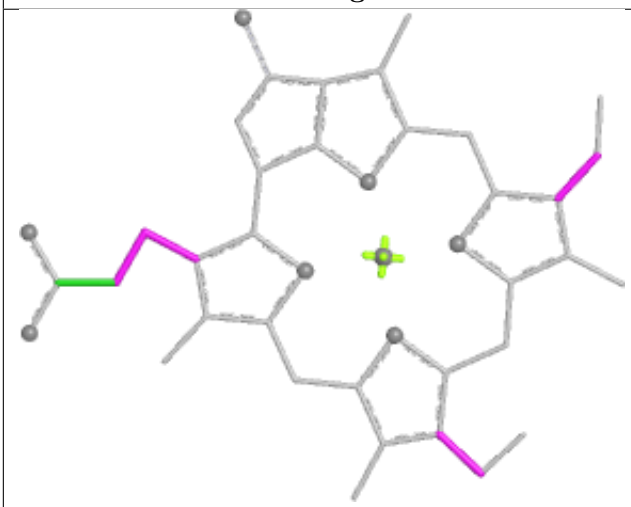
Ligand CLA K 101



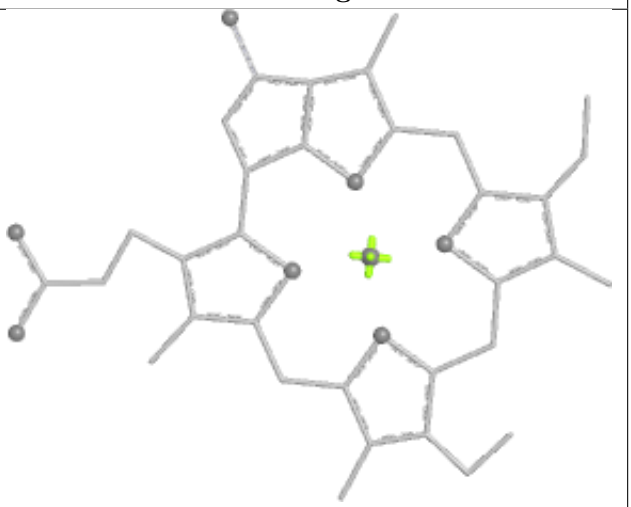
Bond lengths



Bond angles

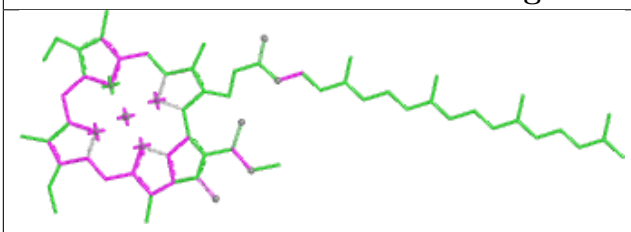


Torsions

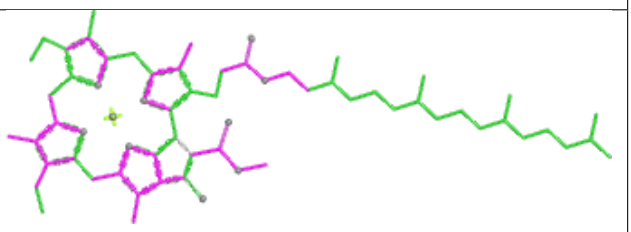


Rings

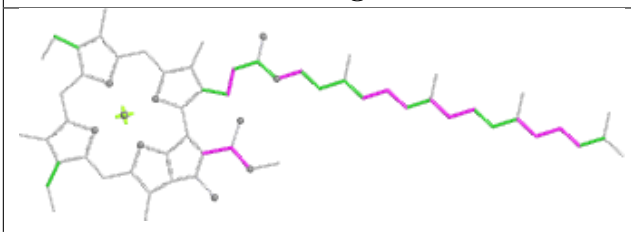
Ligand CLA Y 825



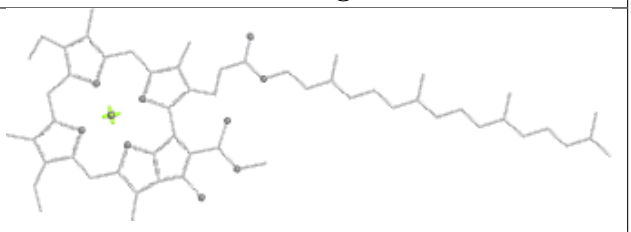
Bond lengths



Bond angles

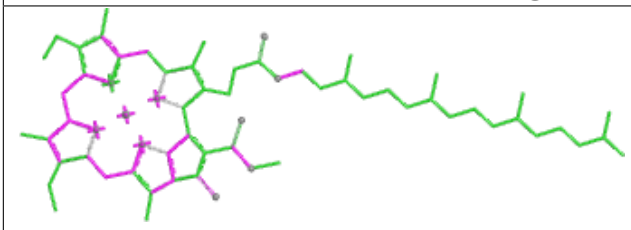


Torsions

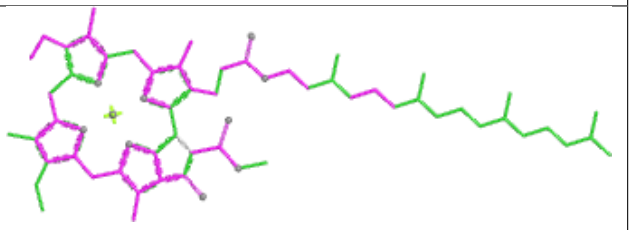


Rings

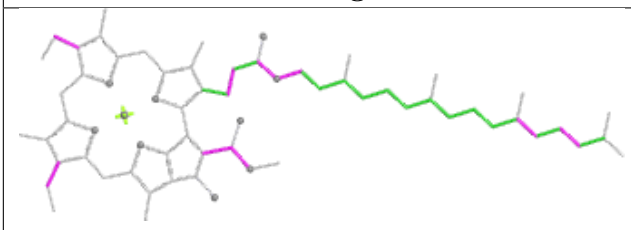
Ligand CLA L 201



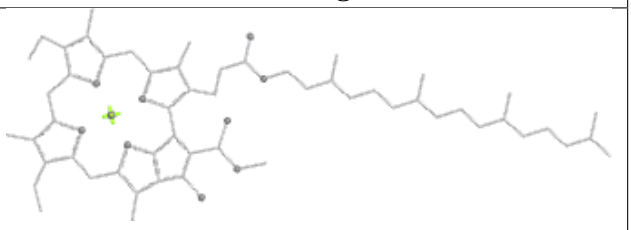
Bond lengths



Bond angles

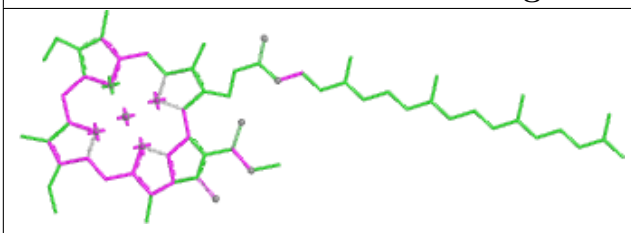


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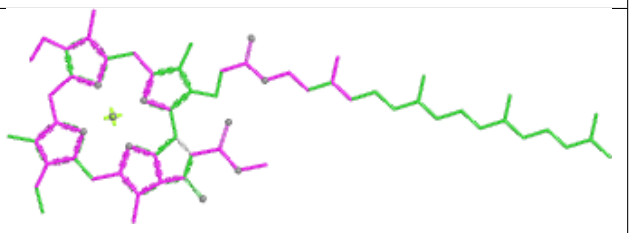


Rings

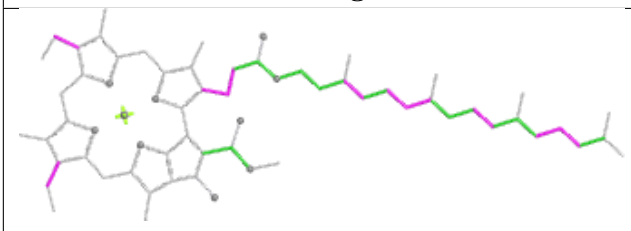
Ligand CLA H 827



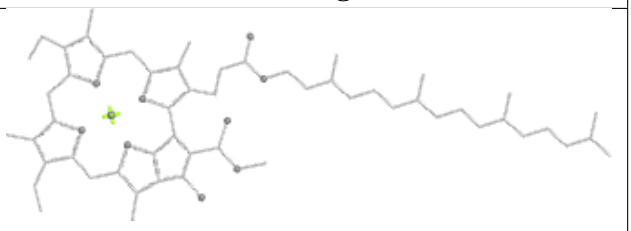
Bond lengths



Bond angles

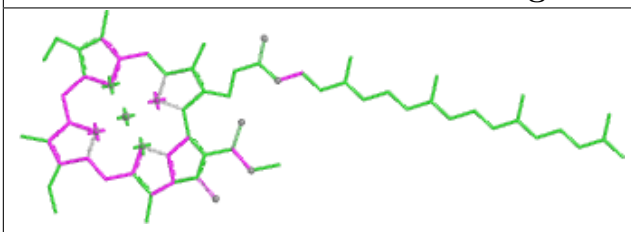


Torsions

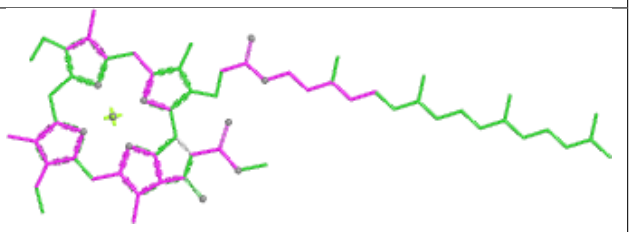


Rings

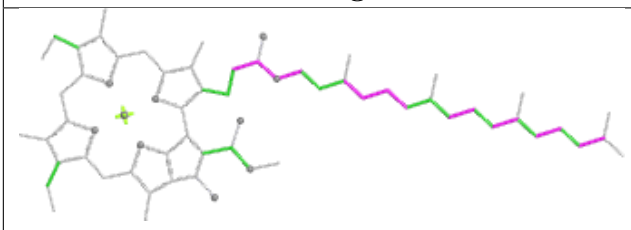
Ligand CL0 A 801



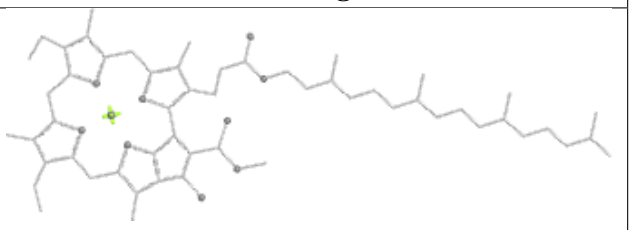
Bond lengths



Bond angles

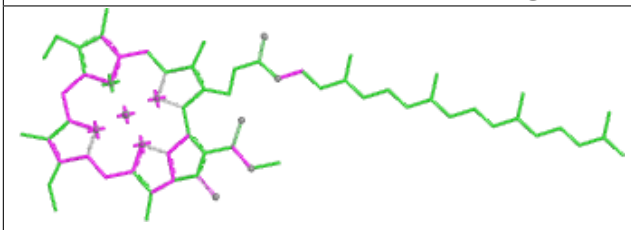


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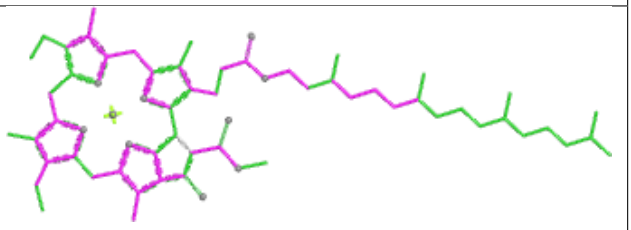


Rings

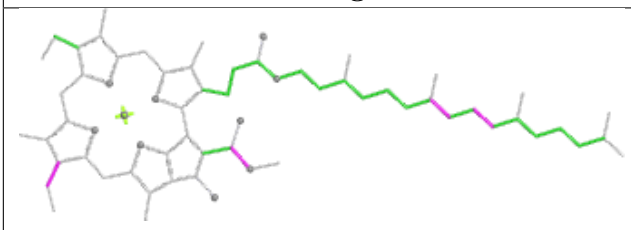
Ligand CLA B 804



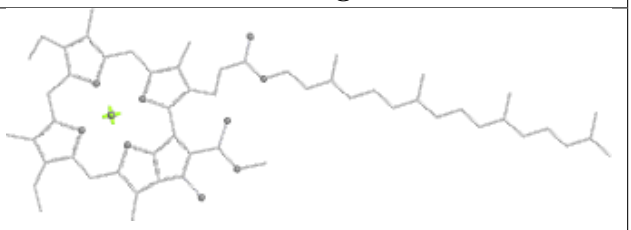
Bond lengths



Bond angles

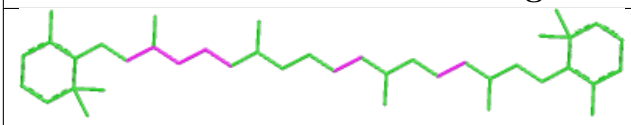


Torsions



Rings

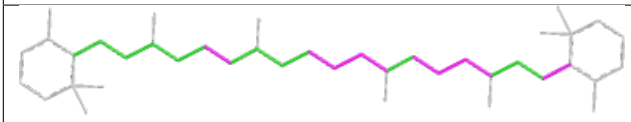
Ligand BCR h 203



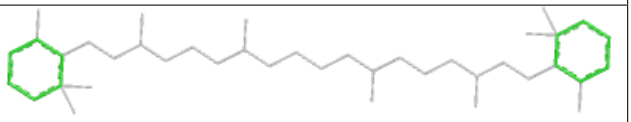
Bond lengths



Bond angles

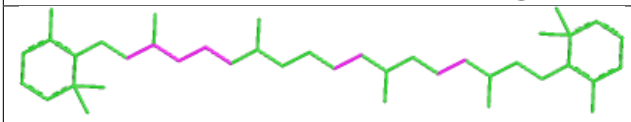


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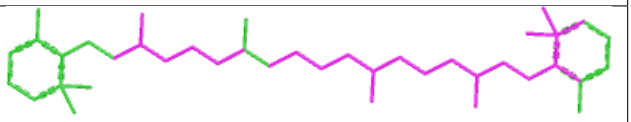


Rings

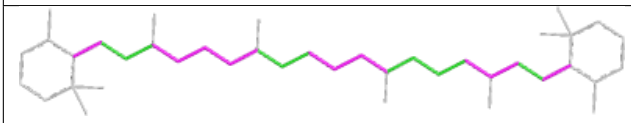
Ligand BCR U 1007



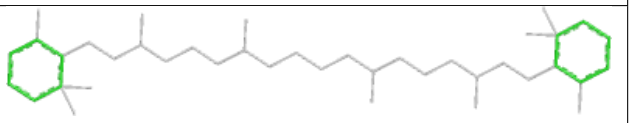
Bond lengths



Bond angles

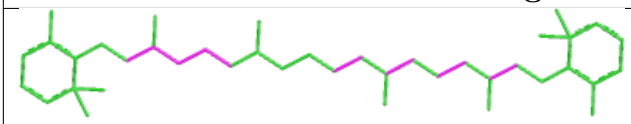


Torsions



Rings

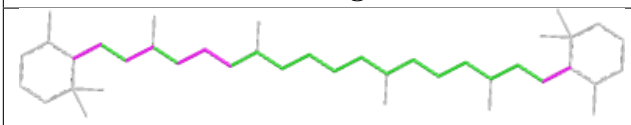
Ligand BCR Z 845



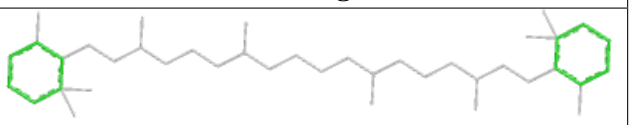
Bond lengths



Bond angles

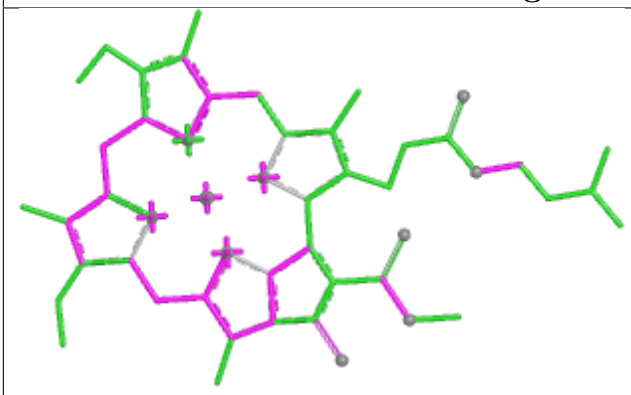


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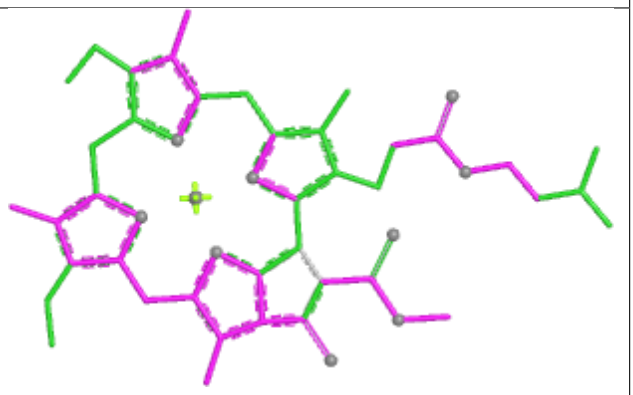


Rings

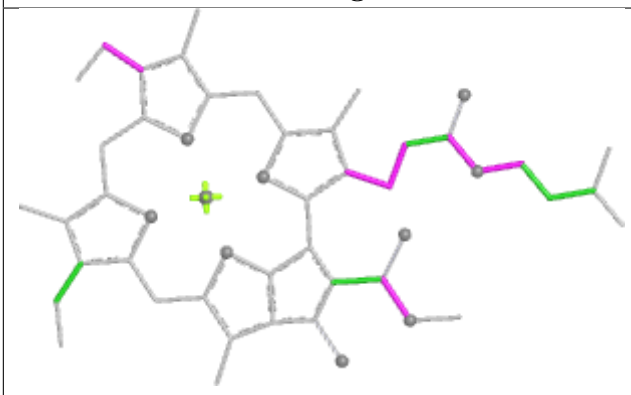
Ligand CLA A 842



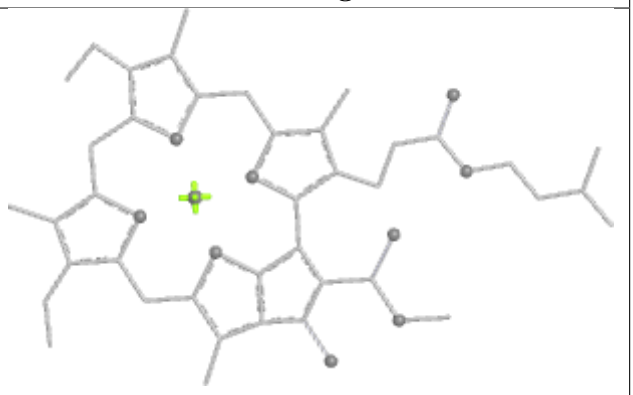
Bond lengths



Bond angles

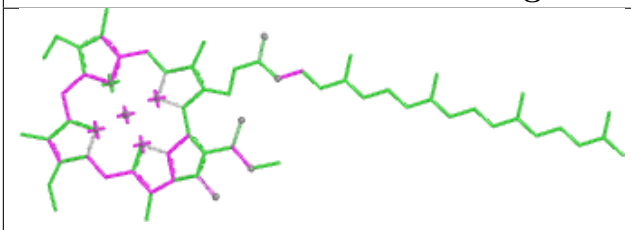


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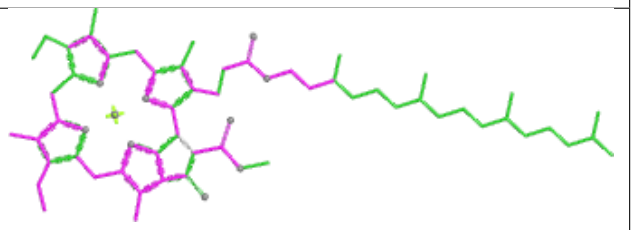


Rings

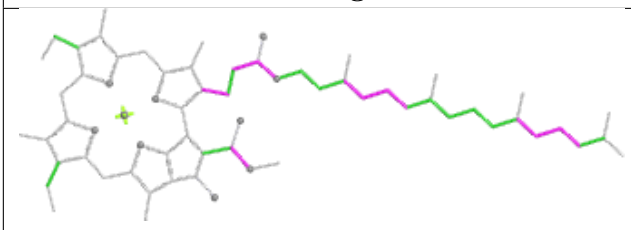
Ligand CLA Y 806



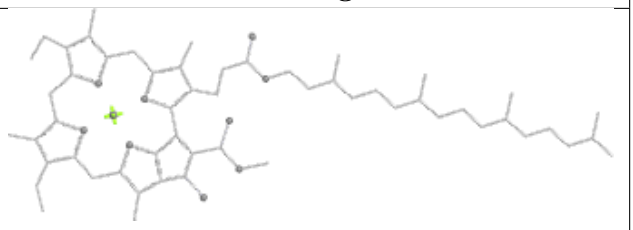
Bond lengths



Bond angles

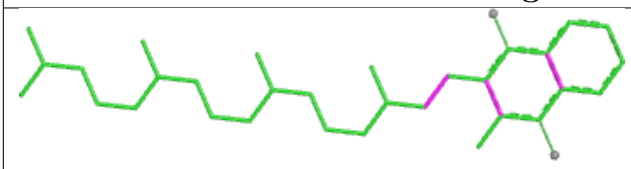


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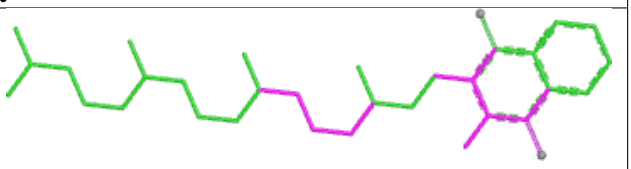


Rings

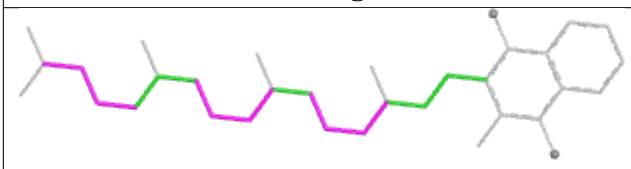
Ligand PQN B 842



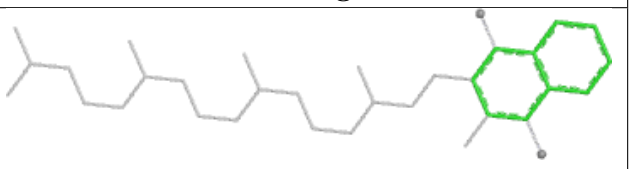
Bond lengths



Bond angles

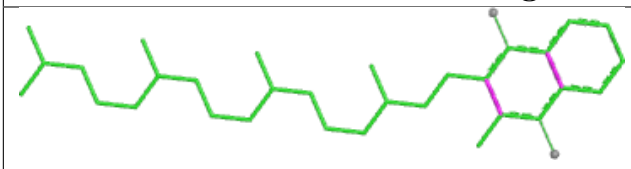


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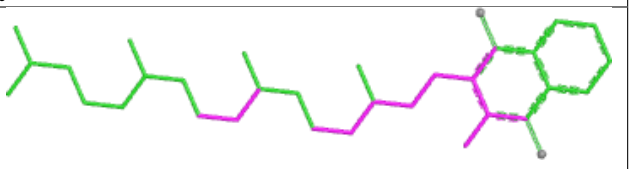


Rings

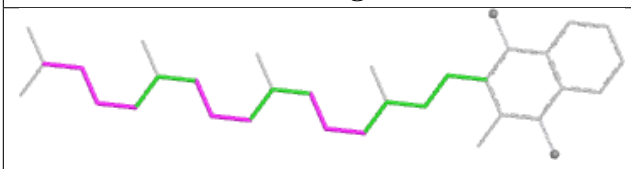
Ligand PQN H 839



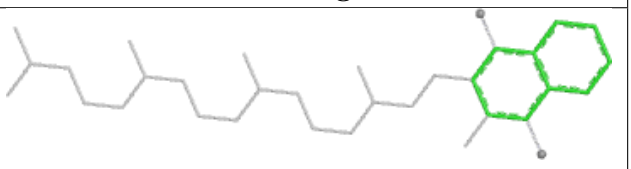
Bond lengths



Bond angles

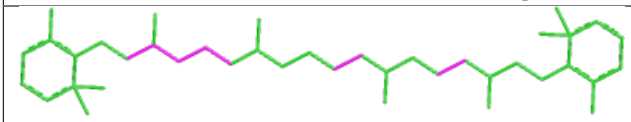


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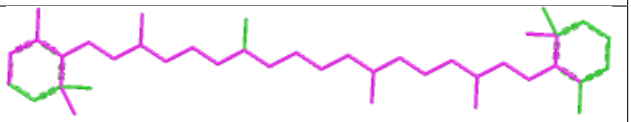


Rings

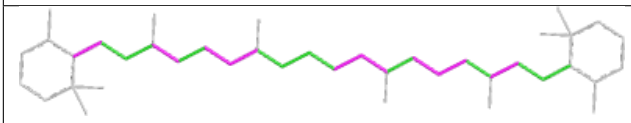
Ligand BCR S 1104



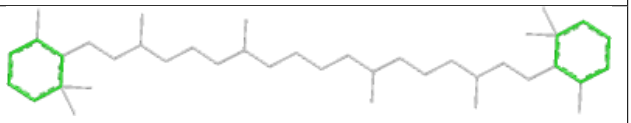
Bond lengths



Bond angles

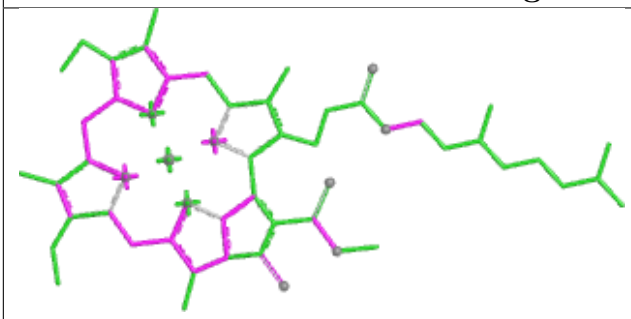


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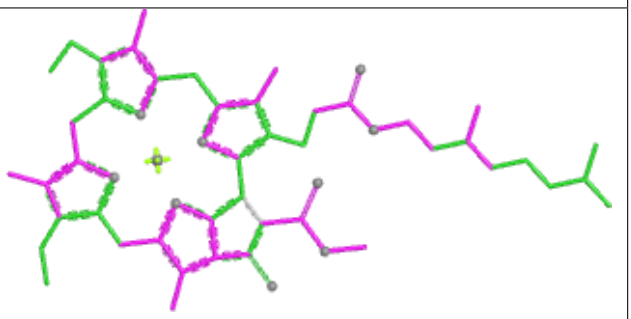


Rings

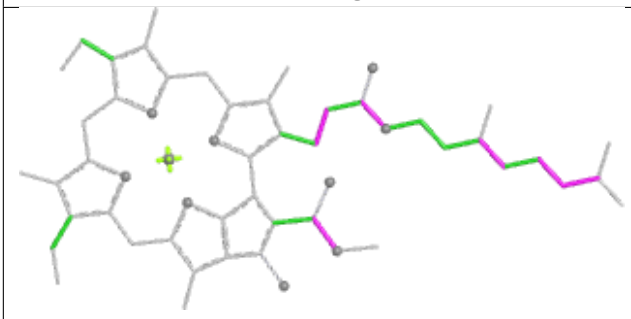
Ligand CLA H 815



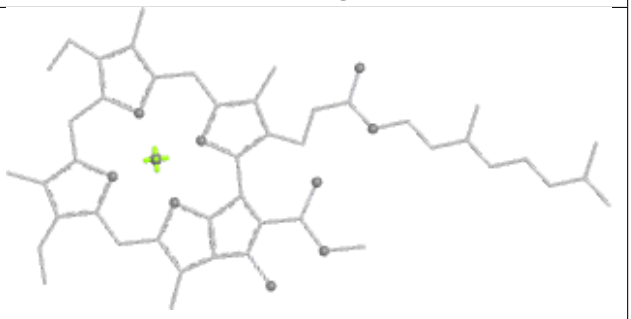
Bond lengths



Bond angles

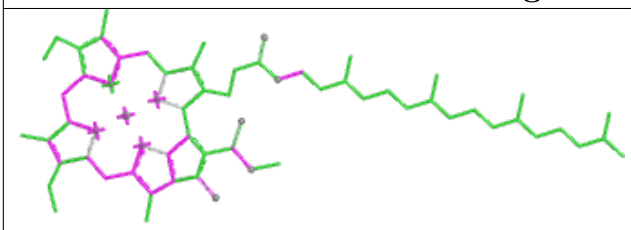


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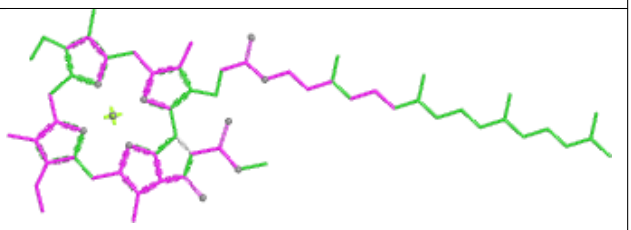


Rings

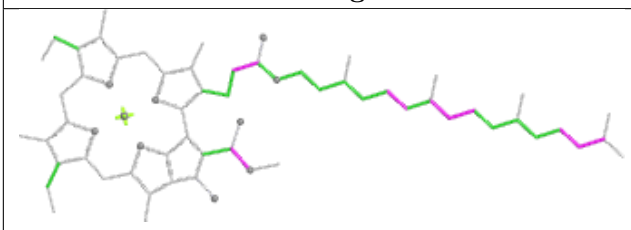
Ligand CLA H 808



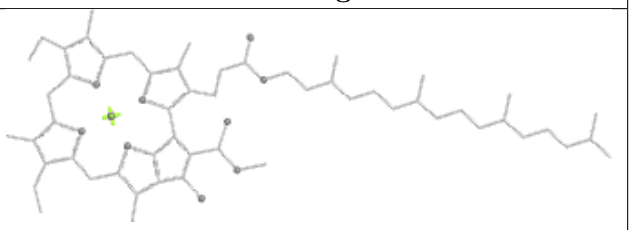
Bond lengths



Bond angles

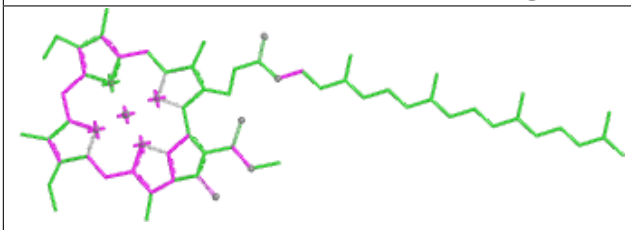


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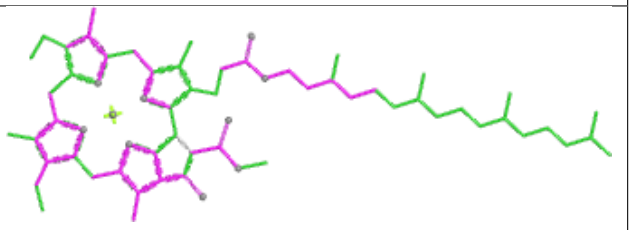


Rings

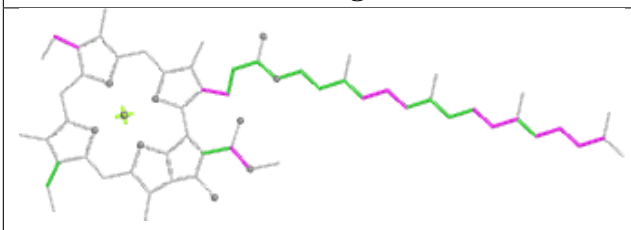
Ligand CLA H 826



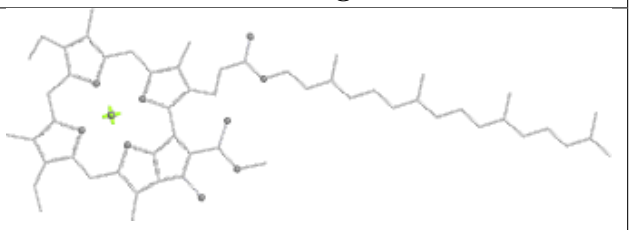
Bond lengths



Bond angles

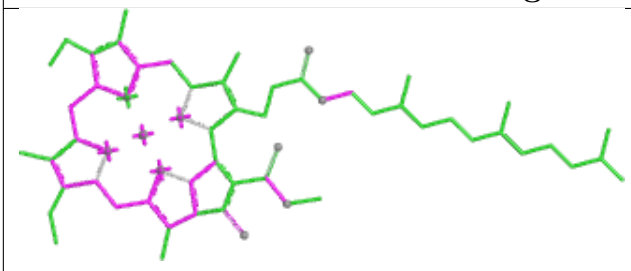


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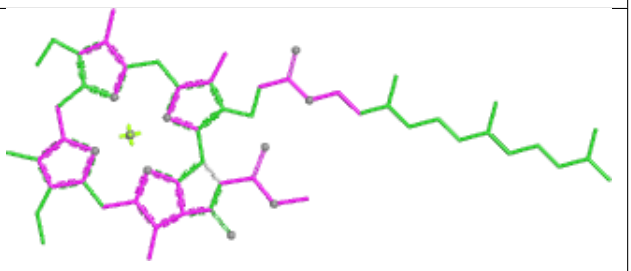


Rings

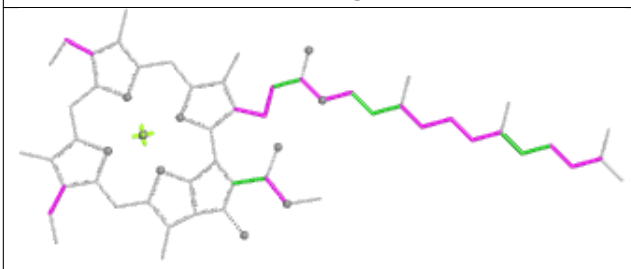
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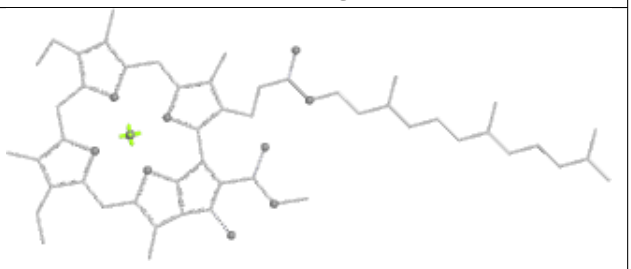
Bond lengths



Bond angles

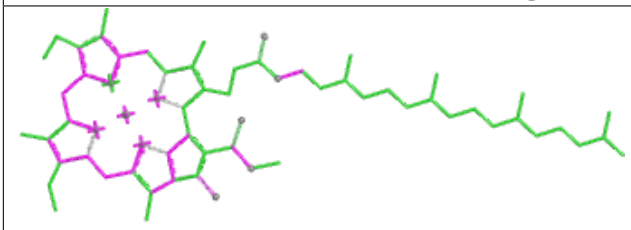


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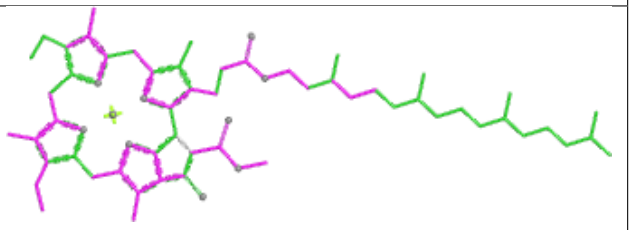


Rings

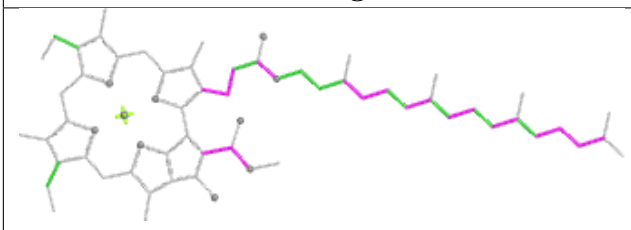
Ligand CLA G 808



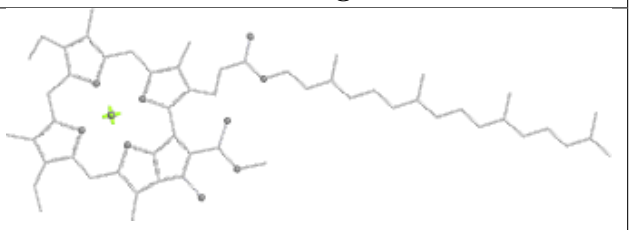
Bond lengths



Bond angles

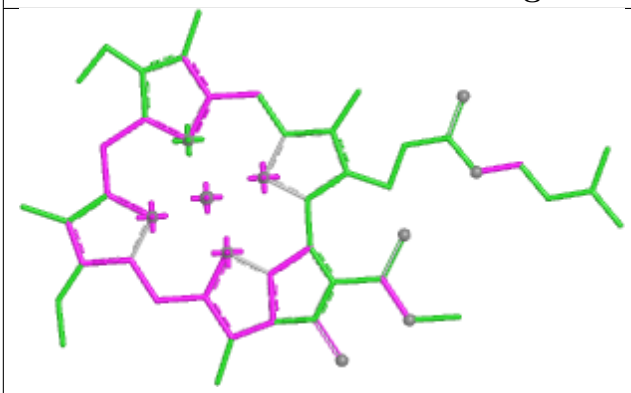


Torsions

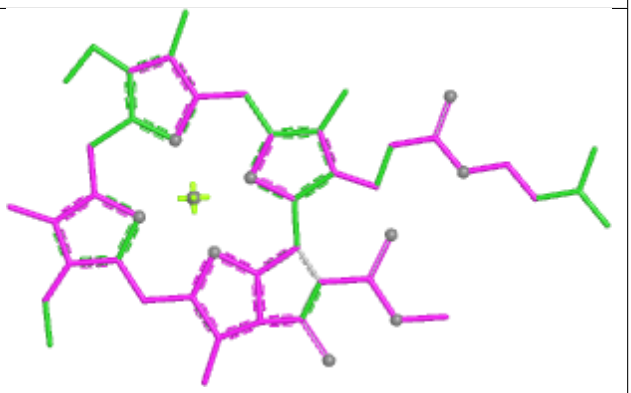


Rings

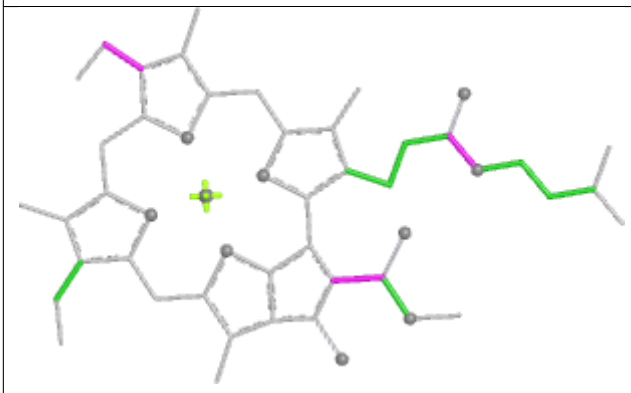
Ligand CLA Y 831



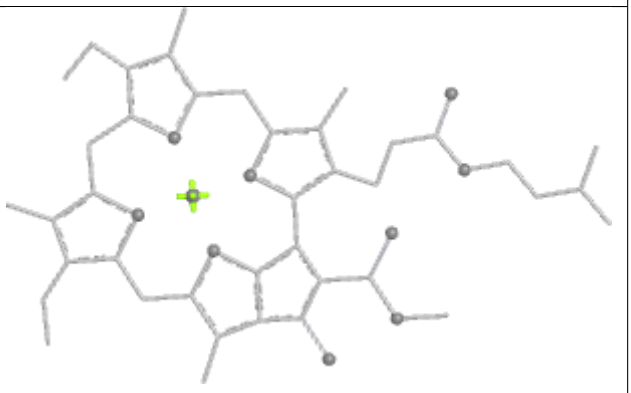
Bond lengths



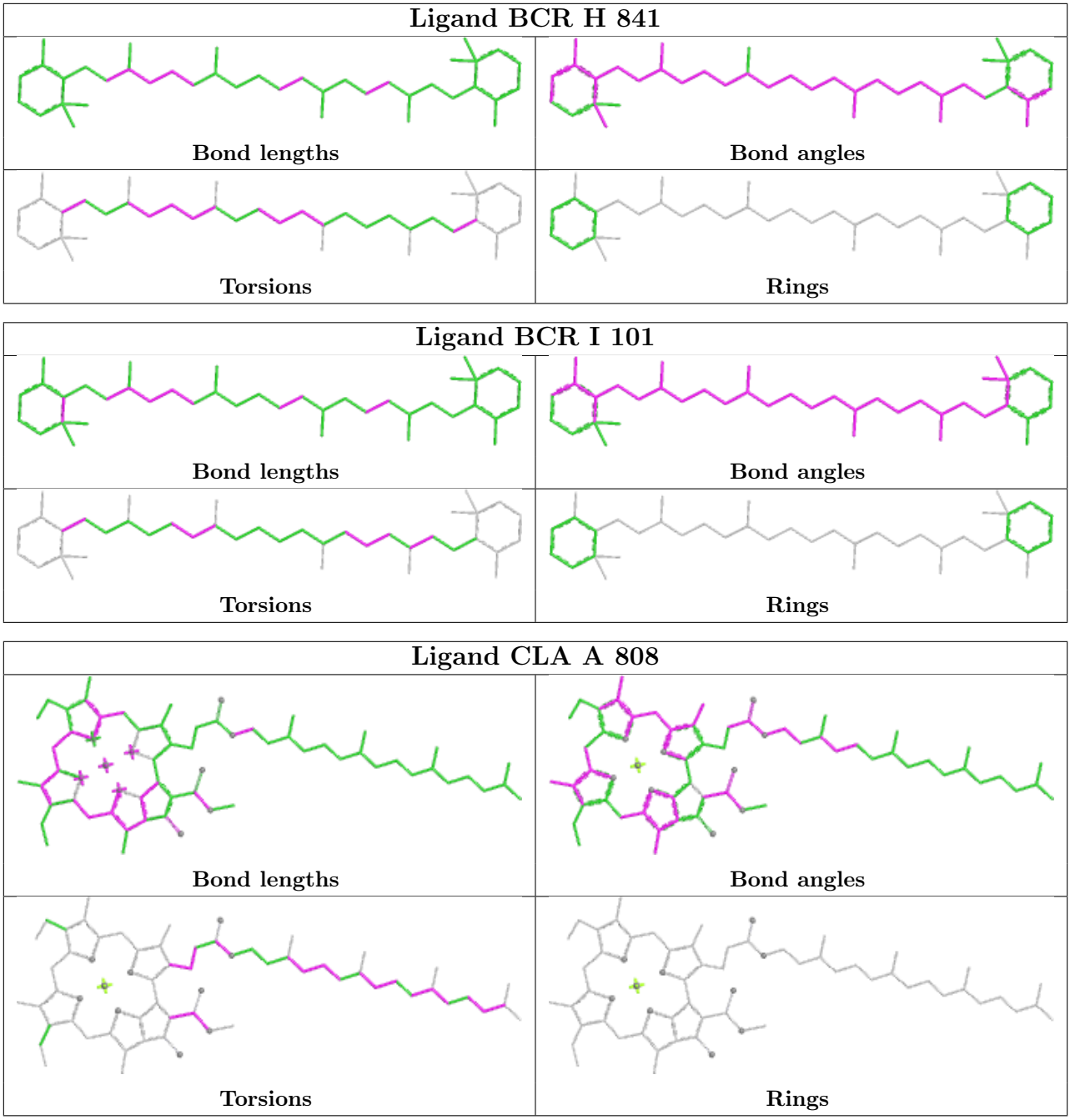
Bond angles



Torsions



Rings



5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å^2)	Q<0.9
1	A	741/755 (98%)	-1.52	0	100	100	34, 61, 86, 106	0
1	G	741/755 (98%)	-1.52	0	100	100	34, 62, 89, 120	0
1	Y	741/755 (98%)	-1.49	0	100	100	33, 63, 86, 99	0
2	B	739/741 (99%)	-1.58	0	100	100	33, 54, 74, 94	0
2	H	739/741 (99%)	-1.55	0	100	100	31, 56, 77, 117	0
2	Z	739/741 (99%)	-1.56	0	100	100	30, 58, 77, 95	0
3	C	80/81 (98%)	-1.62	0	100	100	37, 52, 68, 75	0
3	N	80/81 (98%)	-1.56	0	100	100	40, 56, 75, 78	0
3	a	80/81 (98%)	-1.58	0	100	100	42, 55, 66, 82	0
4	D	138/139 (99%)	-1.63	0	100	100	35, 55, 72, 83	0
4	O	138/139 (99%)	-1.55	0	100	100	43, 60, 77, 115	0
4	b	138/139 (99%)	-1.58	0	100	100	41, 60, 76, 108	0
5	E	69/76 (90%)	-1.47	0	100	100	45, 61, 75, 91	0
5	P	69/76 (90%)	-1.55	0	100	100	45, 61, 80, 85	0
5	c	69/76 (90%)	-1.43	0	100	100	51, 65, 81, 86	0
6	F	141/164 (85%)	-1.57	0	100	100	48, 67, 79, 84	0
6	Q	141/164 (85%)	-1.46	0	100	100	48, 70, 89, 108	0
6	d	141/164 (85%)	-1.50	0	100	100	50, 72, 88, 106	0
7	I	38/38 (100%)	-1.41	0	100	100	37, 48, 70, 73	0
7	R	38/38 (100%)	-1.43	0	100	100	36, 51, 70, 75	0
7	e	38/38 (100%)	-1.54	0	100	100	38, 49, 66, 87	0
8	J	41/41 (100%)	-1.40	0	100	100	55, 69, 84, 89	0
8	S	41/41 (100%)	-1.39	0	100	100	62, 71, 86, 93	0
8	f	41/41 (100%)	-1.25	0	100	100	65, 74, 89, 99	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å^2)	Q<0.9
9	K	46/83 (55%)	-1.18	0	100	100	70, 89, 118, 125	0
9	T	46/83 (55%)	-1.27	0	100	100	71, 90, 103, 116	0
9	g	46/83 (55%)	-1.21	0	100	100	66, 85, 99, 108	0
10	L	151/155 (97%)	-1.58	0	100	100	32, 48, 62, 82	0
10	U	151/155 (97%)	-1.61	0	100	100	33, 47, 67, 83	0
10	h	151/155 (97%)	-1.61	0	100	100	36, 47, 68, 97	0
11	M	30/31 (96%)	-1.70	0	100	100	40, 50, 64, 69	0
11	V	30/31 (96%)	-1.63	0	100	100	41, 49, 65, 73	0
11	i	30/31 (96%)	-1.57	0	100	100	44, 54, 63, 66	0
12	W	26/39 (66%)	-1.35	0	100	100	52, 66, 81, 83	0
12	X	26/39 (66%)	-1.36	0	100	100	54, 62, 69, 70	0
12	j	26/39 (66%)	-1.41	0	100	100	60, 70, 88, 95	0
All	All	6720/7029 (95%)	-1.53	0	100	100	30, 59, 84, 125	0

There are no RSRZ outliers to report.

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

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

6.3 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.4 Ligands (i)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
15	PQN	H	839	33/33	0.98	0.07	38,49,63,66	0
14	CLA	A	803	65/65	0.99	0.05	52,61,70,77	0
14	CLA	A	804	59/65	0.99	0.04	52,60,79,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	A	807	51/65	0.99	0.04	63,72,78,83	0
14	CLA	A	808	65/65	0.99	0.05	46,56,81,83	0
14	CLA	A	810	45/65	0.99	0.04	71,86,89,92	0
14	CLA	A	811	65/65	0.99	0.04	56,80,89,93	0
14	CLA	A	812	54/65	0.99	0.04	58,66,80,89	0
14	CLA	A	813	60/65	0.99	0.05	53,64,82,85	0
14	CLA	A	815	50/65	0.99	0.05	64,78,84,92	0
14	CLA	A	816	50/65	0.99	0.05	68,78,108,115	0
14	CLA	A	820	60/65	0.99	0.04	61,68,78,79	0
14	CLA	A	822	65/65	0.99	0.06	72,84,105,109	0
14	CLA	A	823	50/65	0.99	0.04	53,69,81,92	0
14	CLA	A	824	60/65	0.99	0.04	42,68,71,72	0
14	CLA	A	825	65/65	0.99	0.05	55,68,74,76	0
14	CLA	A	827	65/65	0.99	0.04	38,50,67,73	0
14	CLA	A	828	65/65	0.99	0.04	43,52,68,69	0
14	CLA	A	829	65/65	0.99	0.04	53,62,81,84	0
14	CLA	A	830	65/65	0.99	0.04	42,48,67,72	0
14	CLA	A	831	50/65	0.99	0.04	43,46,60,61	0
14	CLA	A	834	55/65	0.99	0.04	49,66,70,75	0
14	CLA	A	835	45/65	0.99	0.05	58,71,75,79	0
14	CLA	A	840	65/65	0.99	0.04	42,45,81,84	0
14	CLA	A	842	50/65	0.99	0.04	49,61,64,68	0
14	CLA	A	852	65/65	0.99	0.04	44,53,63,69	0
14	CLA	B	801	65/65	0.99	0.04	49,58,65,72	0
14	CLA	B	804	65/65	0.99	0.04	40,48,52,53	0
14	CLA	B	810	65/65	0.99	0.04	37,45,51,54	0
14	CLA	B	812	50/65	0.99	0.04	50,61,66,72	0
14	CLA	B	814	65/65	0.99	0.04	50,54,85,87	0
14	CLA	B	820	45/65	0.99	0.04	50,53,58,63	0
14	CLA	B	821	45/65	0.99	0.03	54,58,68,75	0
14	CLA	B	822	55/65	0.99	0.04	52,59,70,73	0
14	CLA	B	823	60/65	0.99	0.05	57,63,67,74	0
14	CLA	B	829	65/65	0.99	0.04	35,45,57,59	0
14	CLA	B	830	45/65	0.99	0.03	37,44,46,53	0
14	CLA	B	833	55/65	0.99	0.05	59,72,77,78	0
14	CLA	B	835	45/65	0.99	0.04	63,69,74,77	0
14	CLA	B	836	45/65	0.99	0.04	52,62,66,67	0
14	CLA	B	837	60/65	0.99	0.04	47,59,63,64	0
14	CLA	B	841	65/65	0.99	0.04	37,43,48,55	0
14	CLA	G	803	65/65	0.99	0.04	34,52,56,59	0
14	CLA	G	807	51/65	0.99	0.04	70,77,82,86	0
14	CLA	G	808	65/65	0.99	0.05	49,55,82,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	G	809	65/65	0.99	0.04	56,68,81,86	0
14	CLA	G	810	45/65	0.99	0.04	66,73,90,94	0
14	CLA	G	811	65/65	0.99	0.04	59,75,82,85	0
14	CLA	G	815	50/65	0.99	0.04	74,85,95,100	0
14	CLA	G	816	50/65	0.99	0.04	68,79,83,85	0
14	CLA	G	817	60/65	0.99	0.05	56,70,85,87	0
14	CLA	G	818	65/65	0.99	0.04	59,72,87,93	0
14	CLA	G	820	60/65	0.99	0.04	66,80,86,91	0
14	CLA	G	821	65/65	0.99	0.04	47,63,67,70	0
14	CLA	G	822	65/65	0.99	0.05	59,66,89,92	0
14	CLA	G	823	50/65	0.99	0.04	57,72,97,101	0
14	CLA	G	824	60/65	0.99	0.04	51,59,67,70	0
14	CLA	G	825	65/65	0.99	0.04	58,62,66,68	0
14	CLA	G	827	65/65	0.99	0.04	52,62,87,91	0
14	CLA	G	828	65/65	0.99	0.04	51,64,73,74	0
14	CLA	G	830	65/65	0.99	0.04	43,53,76,78	0
14	CLA	G	832	65/65	0.99	0.04	41,48,54,60	0
14	CLA	G	834	55/65	0.99	0.04	50,61,69,72	0
14	CLA	G	836	50/65	0.99	0.04	47,59,62,64	0
14	CLA	G	837	65/65	0.99	0.03	42,53,58,64	0
14	CLA	G	838	50/65	0.99	0.04	46,51,57,59	0
14	CLA	G	841	65/65	0.99	0.04	49,56,63,65	0
14	CLA	G	843	50/65	0.99	0.04	49,58,86,94	0
14	CLA	H	801	65/65	0.99	0.04	42,51,55,66	0
14	CLA	H	803	65/65	0.99	0.04	38,42,47,52	0
14	CLA	H	808	65/65	0.99	0.05	40,48,54,55	0
14	CLA	H	810	55/65	0.99	0.04	49,55,64,66	0
14	CLA	H	815	55/65	0.99	0.04	56,65,90,93	0
14	CLA	H	816	65/65	0.99	0.04	46,60,73,76	0
14	CLA	H	818	60/65	0.99	0.05	50,61,67,70	0
14	CLA	H	821	55/65	0.99	0.04	54,64,68,72	0
14	CLA	H	822	60/65	0.99	0.04	49,60,72,75	0
14	CLA	H	823	55/65	0.99	0.04	47,56,59,61	0
14	CLA	H	824	65/65	0.99	0.04	53,69,73,73	0
14	CLA	H	827	65/65	0.99	0.05	46,54,61,64	0
14	CLA	H	829	45/65	0.99	0.04	37,48,58,60	0
14	CLA	H	830	55/65	0.99	0.04	70,76,84,92	0
14	CLA	H	831	45/65	0.99	0.04	55,71,78,81	0
14	CLA	H	832	45/65	0.99	0.04	60,74,84,89	0
14	CLA	H	833	45/65	0.99	0.03	59,66,72,74	0
14	CLA	H	834	60/65	0.99	0.05	46,60,80,82	0
14	CLA	J	101	45/65	0.99	0.04	68,81,99,115	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	J	102	55/65	0.99	0.05	73,84,130,134	0
14	CLA	K	101	41/65	0.99	0.04	50,61,66,67	0
14	CLA	L	202	65/65	0.99	0.04	32,39,48,52	0
14	CLA	L	205	65/65	0.99	0.04	42,51,56,57	0
14	CLA	Q	203	45/65	0.99	0.04	52,69,74,76	0
14	CLA	S	1101	65/65	0.99	0.06	57,64,71,74	0
14	CLA	S	1102	45/65	0.99	0.04	81,88,94,103	0
14	CLA	S	1103	55/65	0.99	0.04	60,74,114,118	0
14	CLA	T	101	41/65	0.99	0.04	60,75,81,84	0
14	CLA	T	103	45/65	0.99	0.04	68,83,88,89	0
14	CLA	U	1006	65/65	0.99	0.03	32,38,45,56	0
14	CLA	W	1701	45/65	0.99	0.04	58,65,68,69	0
14	CLA	Y	802	65/65	0.99	0.04	32,43,47,51	0
14	CLA	Y	803	65/65	0.99	0.04	53,67,75,77	0
14	CLA	Y	804	59/65	0.99	0.04	63,70,82,85	0
14	CLA	Y	807	51/65	0.99	0.05	63,86,92,93	0
14	CLA	Y	808	65/65	0.99	0.04	41,50,68,70	0
14	CLA	Y	809	65/65	0.99	0.04	60,72,78,84	0
14	CLA	Y	810	45/65	0.99	0.04	71,80,84,86	0
14	CLA	Y	811	65/65	0.99	0.04	59,72,77,82	0
14	CLA	Y	814	55/65	0.99	0.04	50,71,74,78	0
14	CLA	Y	815	50/65	0.99	0.05	71,80,84,86	0
14	CLA	Y	816	50/65	0.99	0.04	63,74,124,130	0
14	CLA	Y	817	60/65	0.99	0.04	45,75,86,89	0
14	CLA	Y	818	65/65	0.99	0.05	56,65,76,85	0
14	CLA	Y	820	60/65	0.99	0.04	56,71,87,92	0
14	CLA	Y	822	65/65	0.99	0.05	64,80,95,98	0
14	CLA	Y	823	50/65	0.99	0.04	64,73,90,93	0
14	CLA	Y	824	60/65	0.99	0.04	58,70,87,89	0
14	CLA	Y	825	65/65	0.99	0.05	43,65,70,71	0
14	CLA	Y	826	60/65	0.99	0.04	38,44,55,56	0
14	CLA	Y	827	65/65	0.99	0.04	49,63,68,70	0
14	CLA	Y	828	65/65	0.99	0.04	56,66,73,78	0
14	CLA	Y	834	65/65	0.99	0.04	35,40,49,56	0
14	CLA	Y	836	45/65	0.99	0.04	58,77,81,81	0
14	CLA	Y	837	50/65	0.99	0.04	40,50,58,61	0
14	CLA	Y	838	65/65	0.99	0.03	44,53,56,63	0
14	CLA	Y	841	65/65	0.99	0.04	50,57,75,77	0
14	CLA	Y	843	50/65	0.99	0.04	62,71,87,95	0
14	CLA	Y	854	65/65	0.99	0.05	46,58,65,68	0
14	CLA	Y	855	65/65	0.99	0.04	36,50,54,62	0
14	CLA	Z	801	65/65	0.99	0.04	45,52,62,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	Z	803	54/65	0.99	0.04	40,43,47,57	0
14	CLA	Z	804	65/65	0.99	0.04	41,48,52,54	0
14	CLA	Z	805	65/65	0.99	0.04	40,47,54,65	0
14	CLA	Z	806	65/65	0.99	0.04	36,45,62,67	0
14	CLA	Z	807	65/65	0.99	0.04	50,58,61,65	0
14	CLA	Z	808	65/65	0.99	0.04	41,51,57,61	0
14	CLA	Z	810	45/65	0.99	0.03	57,63,75,92	0
14	CLA	Z	813	45/65	0.99	0.04	58,64,72,80	0
14	CLA	Z	814	55/65	0.99	0.04	56,74,86,91	0
14	CLA	Z	815	65/65	0.99	0.05	48,56,81,85	0
14	CLA	Z	816	60/65	0.99	0.04	49,59,65,68	0
14	CLA	Z	817	60/65	0.99	0.04	54,63,84,87	0
14	CLA	Z	818	45/65	0.99	0.04	57,64,80,84	0
14	CLA	Z	820	55/65	0.99	0.04	52,78,84,86	0
14	CLA	Z	821	60/65	0.99	0.05	58,73,90,91	0
14	CLA	Z	823	65/65	0.99	0.04	44,57,70,71	0
14	CLA	Z	827	65/65	0.99	0.04	39,47,57,62	0
14	CLA	Z	828	45/65	0.99	0.04	51,64,77,91	0
14	CLA	Z	834	45/65	0.99	0.04	67,75,78,81	0
14	CLA	Z	835	60/65	0.99	0.04	40,53,62,65	0
14	CLA	Z	837	45/65	0.99	0.04	51,56,59,72	0
14	CLA	d	202	45/65	0.99	0.04	67,73,80,87	0
14	CLA	f	101	45/65	0.99	0.05	84,99,109,114	0
14	CLA	f	102	55/65	0.99	0.05	74,88,104,106	0
14	CLA	g	101	41/65	0.99	0.03	54,70,74,75	0
14	CLA	j	102	45/65	0.99	0.04	58,69,73,78	0
15	PQN	A	843	33/33	0.99	0.06	54,59,63,64	0
15	PQN	B	842	33/33	0.99	0.05	43,51,63,68	0
15	PQN	G	844	33/33	0.99	0.06	51,58,63,65	0
14	CLA	A	802	65/65	0.99	0.04	28,48,52,54	0
15	PQN	Y	844	33/33	0.99	0.05	45,55,67,67	0
15	PQN	Z	840	33/33	0.99	0.06	49,54,64,65	0
17	BCR	A	846	40/40	0.99	0.06	75,83,93,97	0
17	BCR	A	847	40/40	0.99	0.06	45,60,79,83	0
17	BCR	A	848	40/40	0.99	0.05	35,53,60,61	0
17	BCR	A	849	40/40	0.99	0.05	45,51,56,58	0
17	BCR	B	843	30/40	0.99	0.06	70,79,87,90	0
17	BCR	B	845	40/40	0.99	0.05	55,64,82,84	0
17	BCR	B	846	25/40	0.99	0.04	26,41,46,49	0
17	BCR	B	847	40/40	0.99	0.05	39,46,51,52	0
17	BCR	B	848	40/40	0.99	0.04	38,44,70,71	0
17	BCR	B	851	40/40	0.99	0.05	56,65,81,82	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
17	BCR	F	201	40/40	0.99	0.05	44,77,86,88	0
17	BCR	F	203	40/40	0.99	0.04	44,49,74,74	0
17	BCR	G	846	40/40	0.99	0.05	67,72,76,77	0
17	BCR	G	847	40/40	0.99	0.05	70,80,109,111	0
17	BCR	G	848	40/40	0.99	0.05	51,61,90,92	0
17	BCR	H	840	40/40	0.99	0.05	73,87,96,97	0
17	BCR	H	841	40/40	0.99	0.04	46,58,68,69	0
17	BCR	H	842	40/40	0.99	0.05	38,71,81,83	0
17	BCR	H	843	25/40	0.99	0.04	28,57,59,60	0
17	BCR	H	844	40/40	0.99	0.05	43,57,63,63	0
17	BCR	H	848	40/40	0.99	0.05	54,72,79,87	0
17	BCR	I	101	40/40	0.99	0.03	33,35,40,41	0
17	BCR	J	103	40/40	0.99	0.05	52,62,77,79	0
17	BCR	J	104	40/40	0.99	0.06	57,73,83,85	0
17	BCR	K	102	40/40	0.99	0.05	62,82,92,94	0
17	BCR	L	208	40/40	0.99	0.04	36,39,43,43	0
17	BCR	L	209	40/40	0.99	0.05	41,44,80,82	0
17	BCR	Q	202	40/40	0.99	0.06	55,66,72,73	0
17	BCR	Q	204	40/40	0.99	0.04	50,58,64,66	0
17	BCR	R	102	40/40	0.99	0.05	36,42,57,60	0
17	BCR	S	1104	40/40	0.99	0.05	57,68,73,77	0
17	BCR	U	1005	40/40	0.99	0.03	30,36,52,53	0
17	BCR	U	1008	40/40	0.99	0.04	33,41,69,70	0
17	BCR	V	1202	40/40	0.99	0.04	49,56,64,69	0
17	BCR	Y	846	40/40	0.99	0.05	60,70,77,78	0
17	BCR	Y	848	40/40	0.99	0.04	58,75,79,81	0
17	BCR	Y	849	40/40	0.99	0.05	53,68,135,141	0
17	BCR	Y	850	40/40	0.99	0.04	46,52,65,66	0
17	BCR	Y	856	40/40	0.99	0.04	40,43,45,46	0
17	BCR	Z	841	40/40	0.99	0.05	58,66,94,97	0
17	BCR	Z	842	40/40	0.99	0.04	46,54,68,69	0
17	BCR	Z	845	40/40	0.99	0.05	48,53,59,65	0
17	BCR	d	203	40/40	0.99	0.06	52,59,63,64	0
17	BCR	e	101	40/40	0.99	0.04	32,40,49,51	0
17	BCR	f	104	40/40	0.99	0.05	57,68,82,88	0
18	LHG	A	850	49/49	0.99	0.04	41,52,62,63	0
18	LHG	B	850	39/49	0.99	0.04	53,60,97,99	0
18	LHG	G	851	49/49	0.99	0.04	49,58,63,68	0
18	LHG	H	847	37/49	0.99	0.04	59,76,103,115	0
18	LHG	Y	852	49/49	0.99	0.05	49,60,69,70	0
18	LHG	j	101	28/49	0.99	0.04	53,60,67,71	0
19	LMG	B	849	52/55	0.99	0.04	28,44,68,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
19	LMG	H	846	49/55	0.99	0.04	35,43,58,61	0
19	LMG	Z	847	49/55	0.99	0.05	46,57,68,73	0
14	CLA	B	817	65/65	1.00	0.04	48,55,62,63	0
14	CLA	G	833	65/65	1.00	0.03	37,41,52,59	0
14	CLA	B	818	60/65	1.00	0.03	45,52,56,57	0
14	CLA	Y	829	65/65	1.00	0.03	47,57,79,85	0
14	CLA	Y	830	65/65	1.00	0.04	45,55,64,67	0
14	CLA	Y	831	50/65	1.00	0.04	48,52,71,75	0
14	CLA	Y	832	65/65	1.00	0.03	46,52,77,79	0
14	CLA	Y	833	65/65	1.00	0.03	34,37,55,61	0
14	CLA	G	835	45/65	1.00	0.03	51,65,70,74	0
14	CLA	Y	835	55/65	1.00	0.04	60,67,75,76	0
14	CLA	B	819	60/65	1.00	0.03	50,57,60,65	0
14	CLA	A	818	65/65	1.00	0.03	42,52,64,66	0
14	CLA	A	819	65/65	1.00	0.03	59,67,78,82	0
14	CLA	Y	839	50/65	1.00	0.03	44,50,62,66	0
14	CLA	Y	840	65/65	1.00	0.03	51,56,73,75	0
14	CLA	G	839	65/65	1.00	0.04	56,62,70,73	0
14	CLA	Y	842	65/65	1.00	0.03	30,36,49,50	0
14	CLA	G	840	50/65	1.00	0.03	46,52,58,63	0
14	CLA	A	832	65/65	1.00	0.03	37,42,89,96	0
14	CLA	G	842	65/65	1.00	0.02	31,33,40,46	0
14	CLA	A	833	65/65	1.00	0.03	31,36,47,57	0
14	CLA	Z	802	65/65	1.00	0.04	53,60,66,73	0
14	CLA	G	853	45/65	1.00	0.03	49,59,71,74	0
14	CLA	B	824	55/65	1.00	0.03	40,53,57,59	0
14	CLA	H	802	65/65	1.00	0.03	45,49,63,66	0
14	CLA	B	825	65/65	1.00	0.03	44,51,60,61	0
14	CLA	H	804	65/65	1.00	0.04	45,54,59,61	0
14	CLA	H	805	65/65	1.00	0.03	50,57,61,62	0
14	CLA	Z	809	55/65	1.00	0.03	45,62,69,73	0
14	CLA	H	806	65/65	1.00	0.03	36,40,56,61	0
14	CLA	Z	811	65/65	1.00	0.03	44,53,86,96	0
14	CLA	Z	812	65/65	1.00	0.04	45,54,63,67	0
14	CLA	H	807	65/65	1.00	0.03	43,48,55,57	0
14	CLA	B	826	65/65	1.00	0.03	40,44,48,51	0
14	CLA	H	809	65/65	1.00	0.03	33,41,49,51	0
14	CLA	B	827	65/65	1.00	0.03	39,47,65,66	0
14	CLA	H	811	45/65	1.00	0.03	58,64,70,72	0
14	CLA	H	812	65/65	1.00	0.03	50,59,65,67	0
14	CLA	Z	819	45/65	1.00	0.03	57,65,75,81	0
14	CLA	H	813	65/65	1.00	0.03	49,55,66,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	H	814	45/65	1.00	0.04	66,75,85,86	0
14	CLA	Z	822	55/65	1.00	0.03	44,50,53,55	0
14	CLA	B	828	65/65	1.00	0.04	46,51,54,59	0
14	CLA	Z	824	65/65	1.00	0.03	43,49,56,59	0
14	CLA	Z	825	65/65	1.00	0.03	47,52,70,74	0
14	CLA	Z	826	65/65	1.00	0.04	43,54,64,66	0
13	CL0	Y	801	65/65	1.00	0.04	44,54,60,63	0
14	CLA	H	817	60/65	1.00	0.04	43,53,78,80	0
14	CLA	Z	829	45/65	1.00	0.03	46,61,65,66	0
14	CLA	Z	830	65/65	1.00	0.04	53,62,81,83	0
14	CLA	Z	831	55/65	1.00	0.04	58,67,71,77	0
14	CLA	Z	832	45/65	1.00	0.03	51,63,75,86	0
14	CLA	Z	833	45/65	1.00	0.04	52,67,71,73	0
14	CLA	A	821	65/65	1.00	0.04	51,62,69,73	0
14	CLA	H	819	45/65	1.00	0.04	59,69,73,75	0
14	CLA	Z	836	65/65	1.00	0.04	48,60,68,69	0
14	CLA	H	820	45/65	1.00	0.03	66,72,77,81	0
14	CLA	Z	838	65/65	1.00	0.03	31,34,48,50	0
14	CLA	Z	839	65/65	1.00	0.03	33,45,48,49	0
14	CLA	d	201	50/65	1.00	0.03	51,57,62,66	0
14	CLA	B	831	45/65	1.00	0.02	40,44,51,55	0
14	CLA	B	832	65/65	1.00	0.03	38,47,69,75	0
14	CLA	A	836	50/65	1.00	0.03	43,52,68,74	0
14	CLA	B	834	45/65	1.00	0.04	57,66,71,77	0
14	CLA	g	102	45/65	1.00	0.03	50,62,65,75	0
14	CLA	h	201	65/65	1.00	0.04	45,49,83,86	0
14	CLA	h	205	65/65	1.00	0.03	40,45,57,71	0
14	CLA	h	206	65/65	1.00	0.03	42,51,56,58	0
14	CLA	h	207	65/65	1.00	0.03	32,36,58,60	0
14	CLA	H	825	65/65	1.00	0.03	46,59,65,68	0
14	CLA	H	826	65/65	1.00	0.03	42,48,63,65	0
14	CLA	A	837	65/65	1.00	0.03	45,57,63,66	0
14	CLA	H	828	65/65	1.00	0.03	42,49,63,69	0
14	CLA	A	838	50/65	1.00	0.03	47,57,62,75	0
14	CLA	A	839	50/65	1.00	0.03	47,57,78,83	0
14	CLA	B	838	65/65	1.00	0.03	46,64,69,84	0
16	SF4	A	844	8/8	1.00	0.01	49,50,55,55	0
16	SF4	C	101	8/8	1.00	0.01	41,44,50,51	0
16	SF4	C	102	8/8	1.00	0.01	61,63,68,73	0
16	SF4	G	845	8/8	1.00	0.01	63,69,74,82	0
16	SF4	N	101	8/8	1.00	0.01	54,61,66,68	0
16	SF4	N	102	8/8	1.00	0.01	62,65,71,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
16	SF4	Y	845	8/8	1.00	0.01	54,60,61,65	0
16	SF4	a	101	8/8	1.00	0.01	43,50,59,59	0
16	SF4	a	102	8/8	1.00	0.01	46,52,56,56	0
17	BCR	A	845	40/40	1.00	0.04	63,69,73,74	0
14	CLA	B	839	45/65	1.00	0.03	45,57,65,72	0
14	CLA	B	840	65/65	1.00	0.03	31,34,39,42	0
14	CLA	A	805	65/65	1.00	0.05	53,62,93,95	0
14	CLA	H	835	65/65	1.00	0.03	50,58,74,76	0
14	CLA	H	836	45/65	1.00	0.03	45,58,60,63	0
17	BCR	B	844	40/40	1.00	0.04	47,58,78,79	0
14	CLA	H	837	65/65	1.00	0.03	32,35,42,44	0
14	CLA	H	838	65/65	1.00	0.04	35,44,50,53	0
14	CLA	F	202	45/65	1.00	0.03	51,62,66,70	0
14	CLA	G	802	65/65	1.00	0.04	47,58,63,70	0
14	CLA	A	841	65/65	1.00	0.03	28,31,43,47	0
14	CLA	K	103	45/65	1.00	0.04	65,69,75,79	0
14	CLA	L	201	65/65	1.00	0.03	33,37,52,54	0
14	CLA	G	804	59/65	1.00	0.04	59,69,75,78	0
14	CLA	G	805	65/65	1.00	0.03	58,67,74,82	0
14	CLA	L	206	65/65	1.00	0.03	41,47,77,82	0
17	BCR	G	849	40/40	1.00	0.04	36,60,73,73	0
17	BCR	G	850	40/40	1.00	0.03	47,56,66,68	0
17	BCR	G	854	40/40	1.00	0.04	63,72,81,82	0
14	CLA	L	207	65/65	1.00	0.03	38,42,56,65	0
14	CLA	Q	201	65/65	1.00	0.03	52,59,71,75	0
14	CLA	G	806	65/65	1.00	0.03	60,66,70,73	0
14	CLA	A	806	65/65	1.00	0.03	57,65,74,79	0
13	CL0	A	801	65/65	1.00	0.04	40,47,51,54	0
17	BCR	H	845	40/40	1.00	0.03	37,43,48,49	0
14	CLA	A	814	50/65	1.00	0.04	74,80,87,94	0
14	CLA	B	802	65/65	1.00	0.03	51,56,66,73	0
14	CLA	B	803	65/65	1.00	0.04	38,45,59,60	0
14	CLA	U	1002	65/65	1.00	0.03	38,45,54,55	0
14	CLA	U	1003	65/65	1.00	0.03	33,38,57,58	0
17	BCR	L	203	40/40	1.00	0.03	44,49,58,58	0
14	CLA	U	1004	65/65	1.00	0.03	30,35,47,51	0
14	CLA	G	812	54/65	1.00	0.04	61,70,84,89	0
17	BCR	M	101	40/40	1.00	0.03	42,49,56,57	0
14	CLA	V	1201	54/65	1.00	0.03	41,49,55,60	0
14	CLA	G	813	60/65	1.00	0.04	55,68,75,80	0
17	BCR	R	101	40/40	1.00	0.03	38,42,50,50	0
14	CLA	X	1701	45/65	1.00	0.03	53,75,79,84	0

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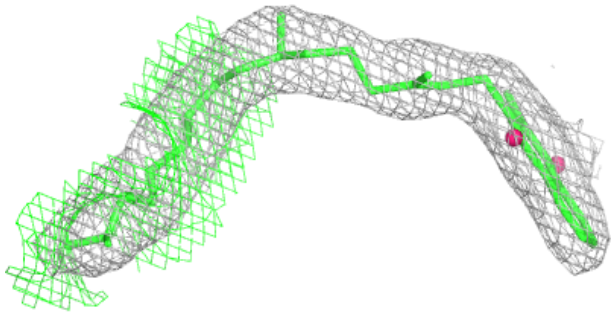
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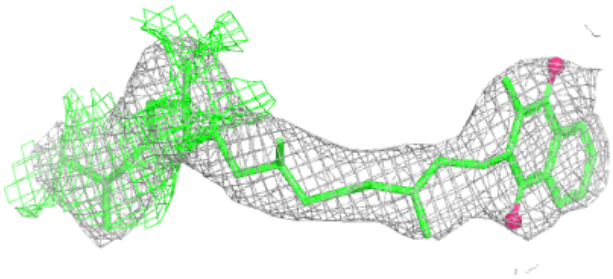
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	G	814	50/65	1.00	0.03	67,75,80,85	0
17	BCR	T	102	40/40	1.00	0.04	58,69,78,81	0
14	CLA	A	826	60/65	1.00	0.03	40,46,83,85	0
17	BCR	U	1007	40/40	1.00	0.03	33,39,48,49	0
14	CLA	B	805	54/65	1.00	0.03	37,41,44,50	0
14	CLA	Y	805	65/65	1.00	0.03	46,53,76,80	0
14	CLA	Y	806	65/65	1.00	0.04	53,57,67,71	0
17	BCR	Y	847	40/40	1.00	0.04	60,70,82,83	0
14	CLA	B	806	65/65	1.00	0.04	30,43,55,56	0
14	CLA	B	807	65/65	1.00	0.04	36,49,54,56	0
14	CLA	G	819	65/65	1.00	0.03	48,66,72,76	0
17	BCR	Y	851	40/40	1.00	0.03	42,49,59,62	0
14	CLA	B	808	65/65	1.00	0.03	37,41,46,49	0
14	CLA	B	809	65/65	1.00	0.03	38,44,50,54	0
14	CLA	Y	812	55/65	1.00	0.03	56,61,66,67	0
17	BCR	Z	843	40/40	1.00	0.04	50,57,81,82	0
17	BCR	Z	844	25/40	1.00	0.03	26,48,54,55	0
14	CLA	Y	813	60/65	1.00	0.04	51,59,91,96	0
17	BCR	Z	846	40/40	1.00	0.04	52,60,86,89	0
13	CL0	G	801	65/65	1.00	0.04	32,46,53,55	0
14	CLA	B	811	55/65	1.00	0.04	57,60,73,76	0
17	BCR	f	103	40/40	1.00	0.04	62,70,75,77	0
14	CLA	A	809	65/65	1.00	0.03	54,64,81,84	0
17	BCR	f	105	40/40	1.00	0.04	54,59,67,72	0
17	BCR	h	202	40/40	1.00	0.04	39,47,83,86	0
17	BCR	h	203	40/40	1.00	0.03	37,43,48,50	0
17	BCR	i	101	40/40	1.00	0.03	39,48,54,55	0
14	CLA	B	813	65/65	1.00	0.04	35,40,54,56	0
18	LHG	A	851	32/49	1.00	0.03	44,48,56,57	0
14	CLA	G	826	60/65	1.00	0.04	45,58,88,90	0
14	CLA	Y	819	65/65	1.00	0.03	53,62,71,75	0
18	LHG	G	852	32/49	1.00	0.04	53,63,77,81	0
14	CLA	A	817	60/65	1.00	0.03	55,67,73,76	0
14	CLA	Y	821	65/65	1.00	0.04	56,67,77,81	0
18	LHG	Y	853	25/49	1.00	0.03	41,48,58,59	0
14	CLA	B	815	45/65	1.00	0.03	59,66,72,76	0
14	CLA	G	829	65/65	1.00	0.04	62,68,95,102	0
14	CLA	B	816	55/65	1.00	0.03	52,62,80,82	0
14	CLA	G	831	50/65	1.00	0.03	42,46,49,54	0
20	CA	L	204	1/1	1.00	0.01	49,49,49,49	0
20	CA	U	1001	1/1	1.00	0.01	64,64,64,64	0
20	CA	h	204	1/1	1.00	0.01	52,52,52,52	0

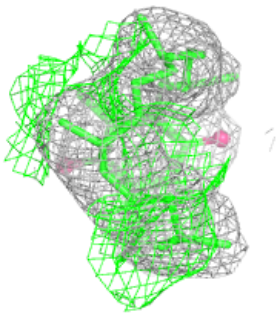
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

Electron density around PQN H 839:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

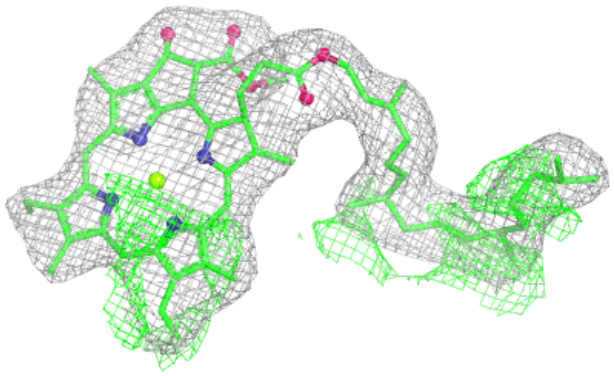


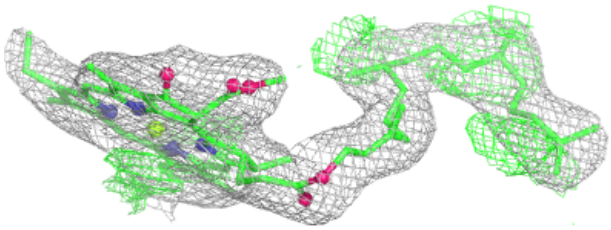


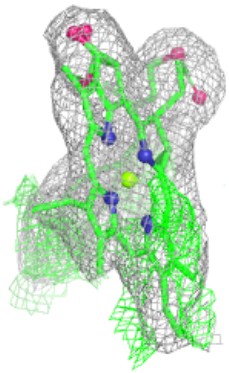


Electron density around CLA A 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

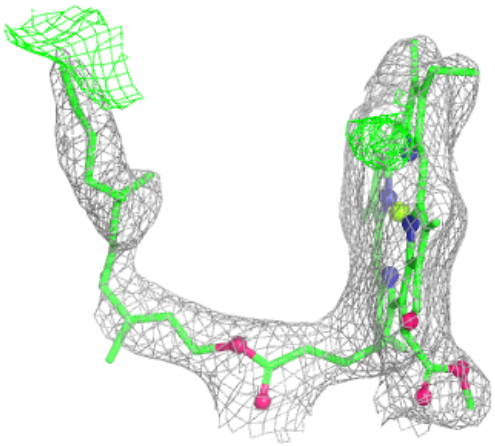


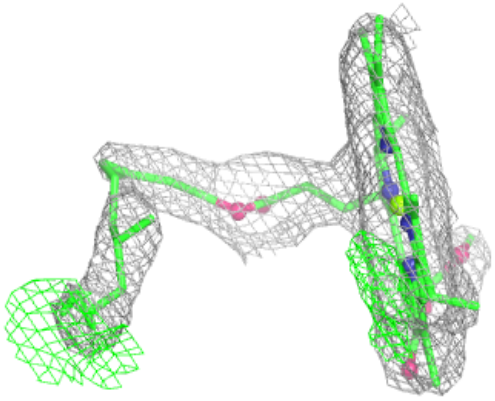


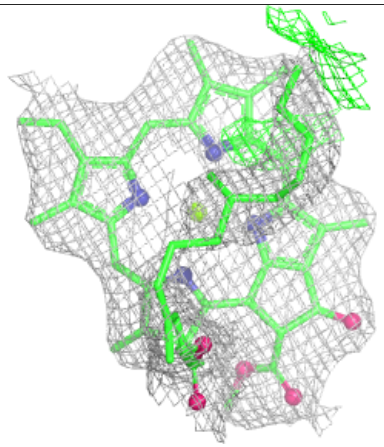


Electron density around CLA A 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

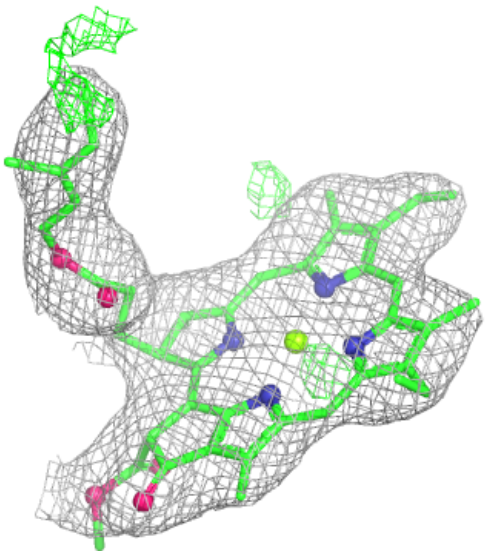


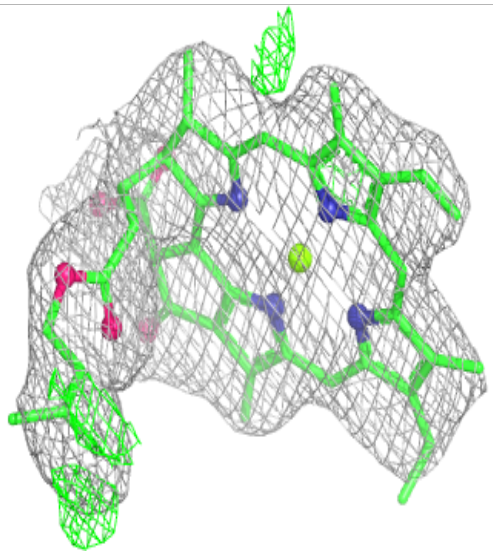


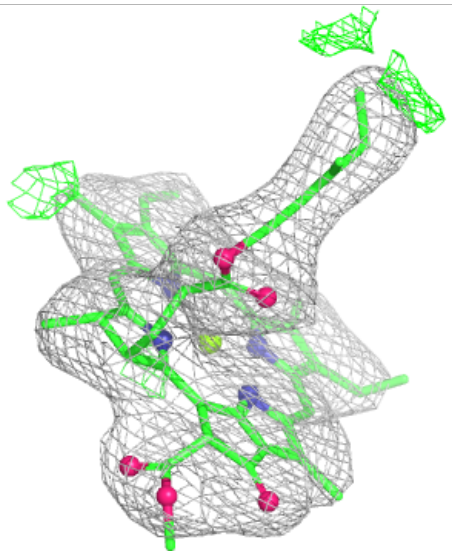


Electron density around CLA A 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

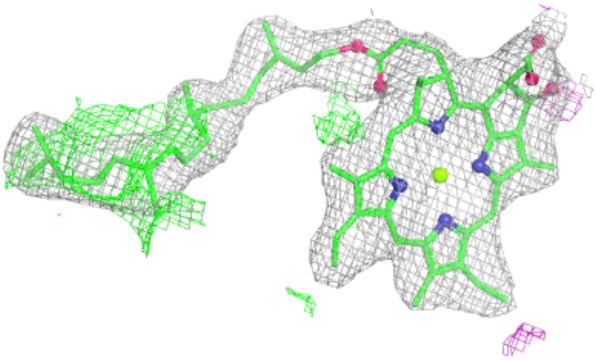


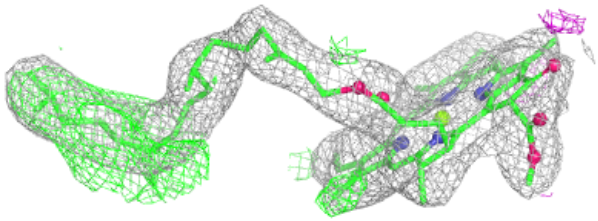


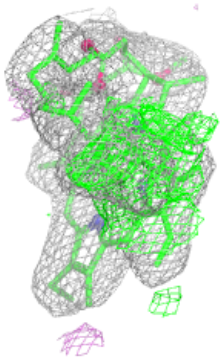


Electron density around CLA A 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

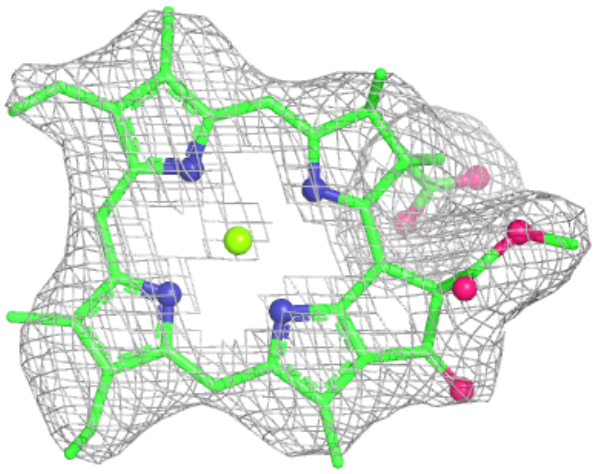


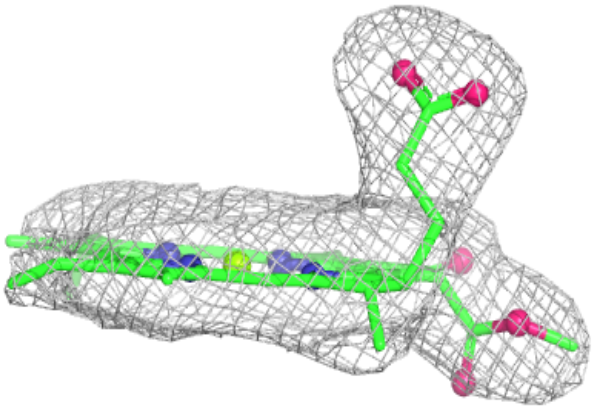


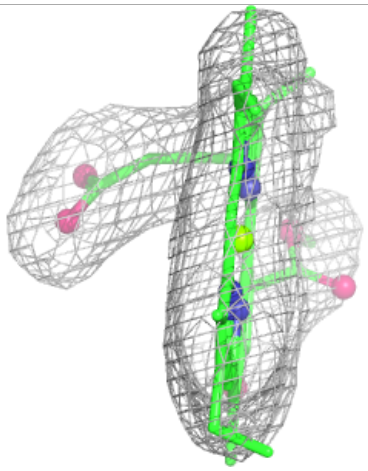


Electron density around CLA A 810:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

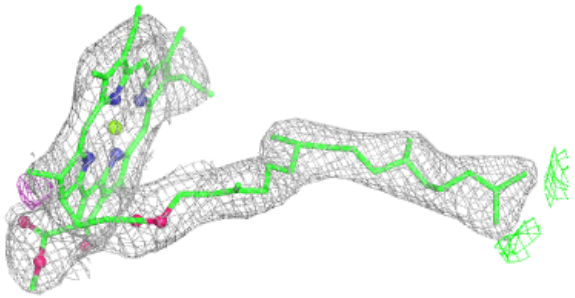


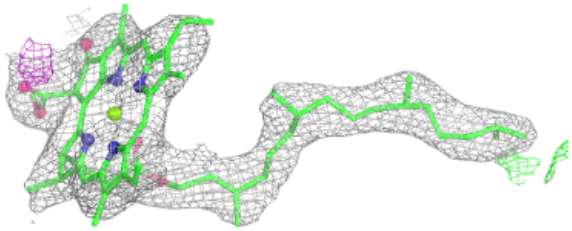


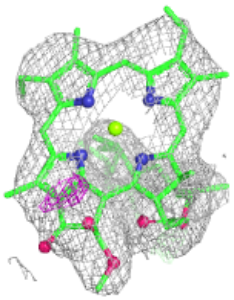


Electron density around CLA A 811:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

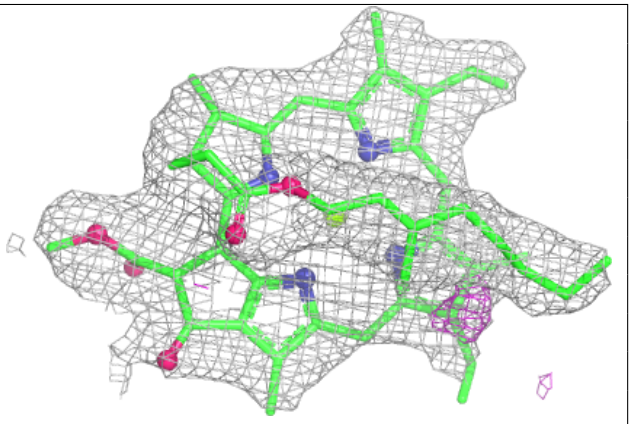


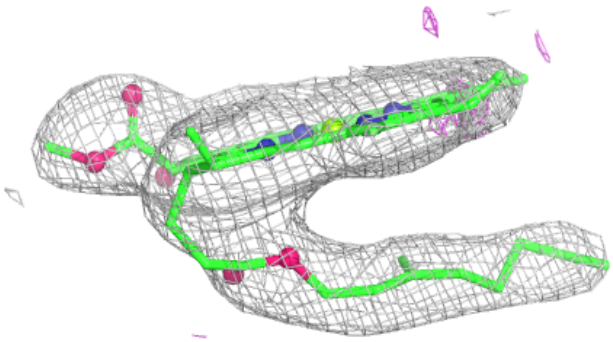


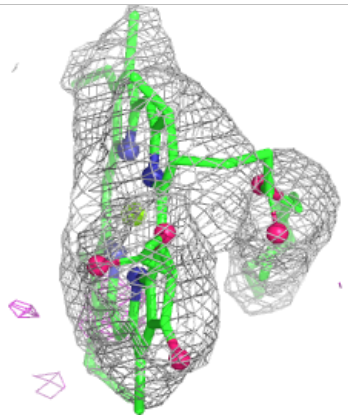


Electron density around CLA A 812:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

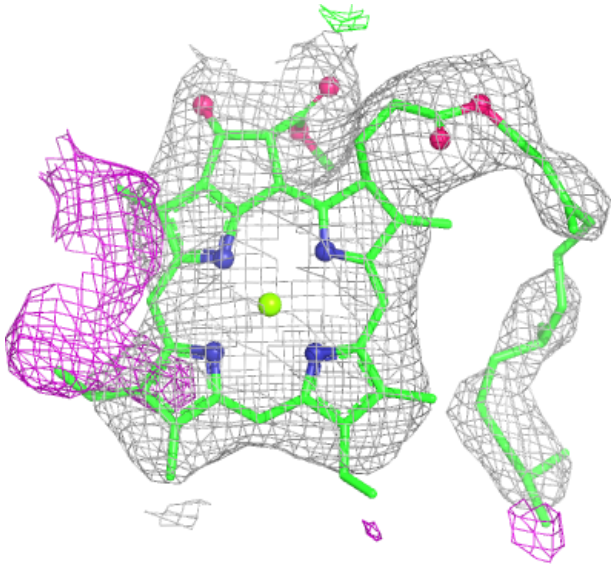


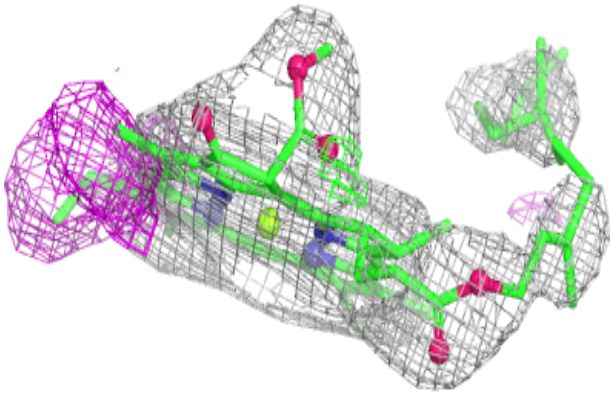


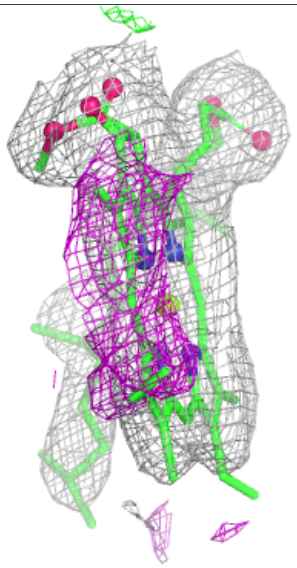


Electron density around CLA A 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

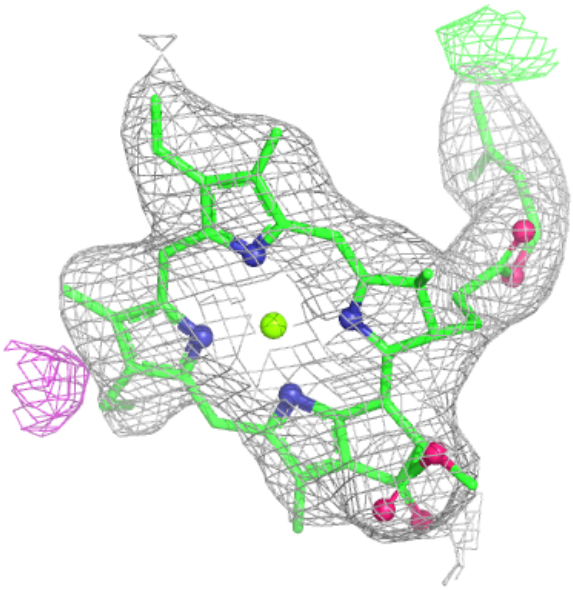


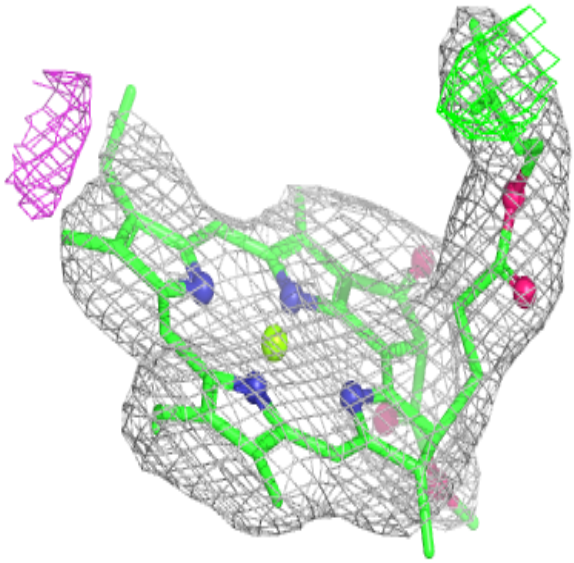


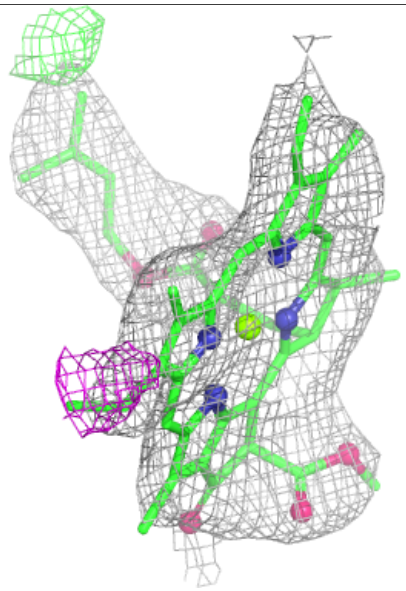


Electron density around CLA A 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

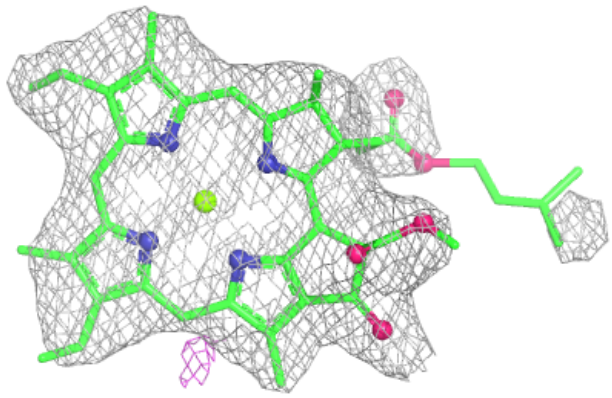


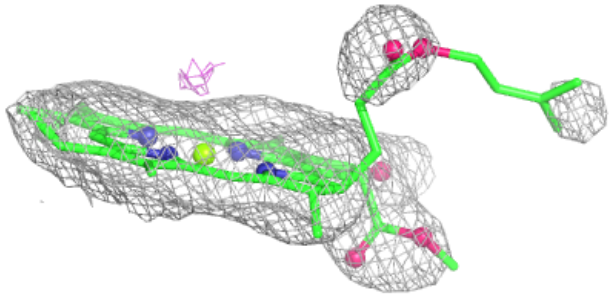




Electron density around CLA A 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

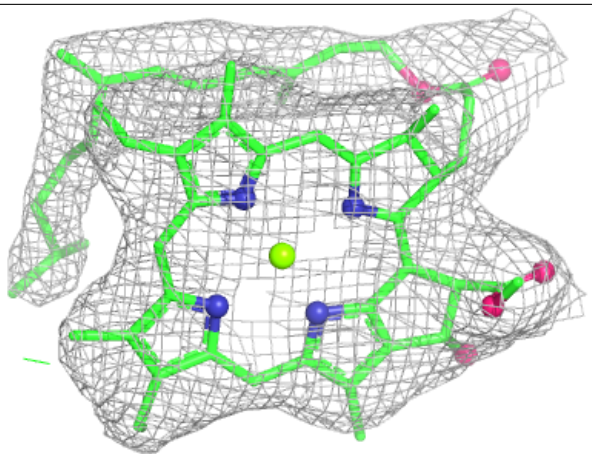


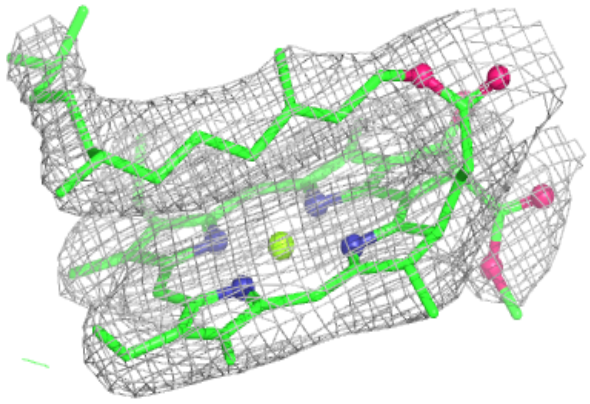


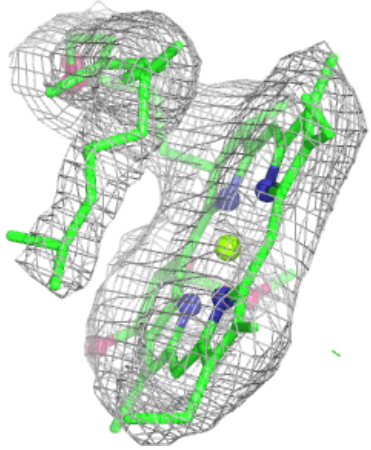


Electron density around CLA A 820:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

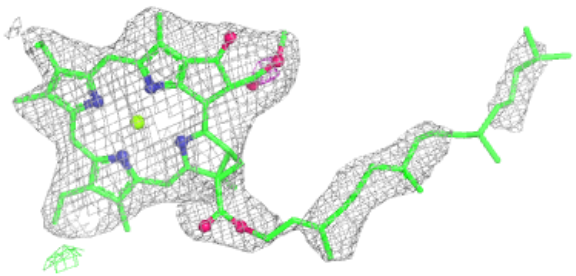


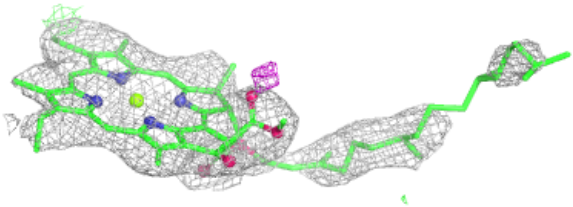


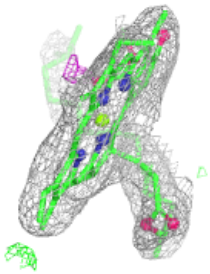


Electron density around CLA A 822:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

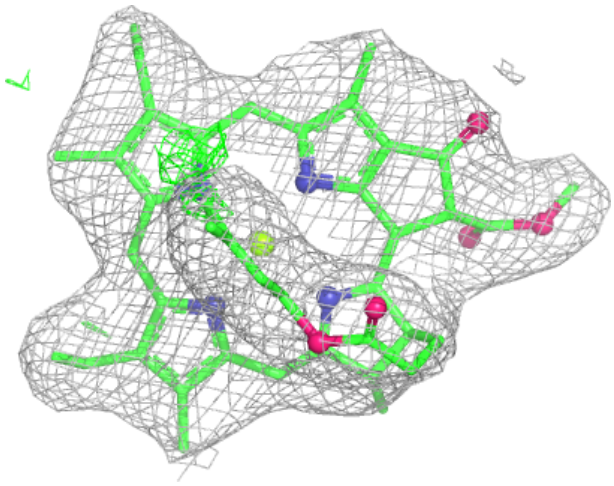


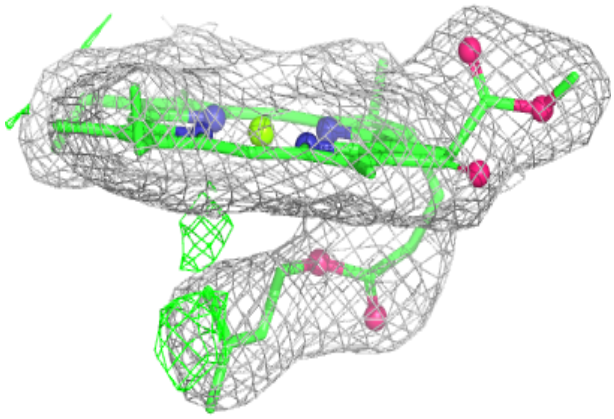




Electron density around CLA A 823:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

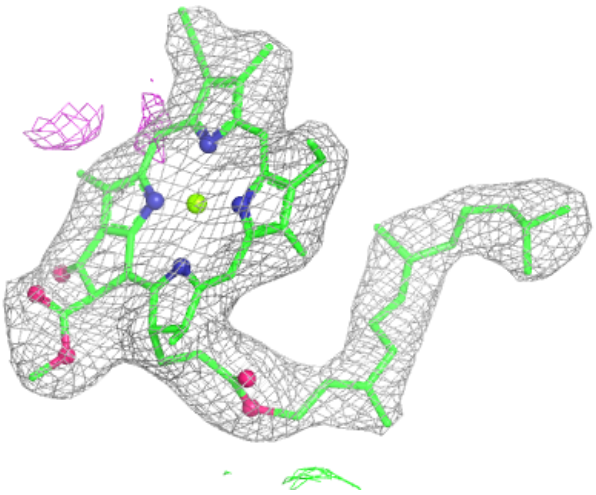


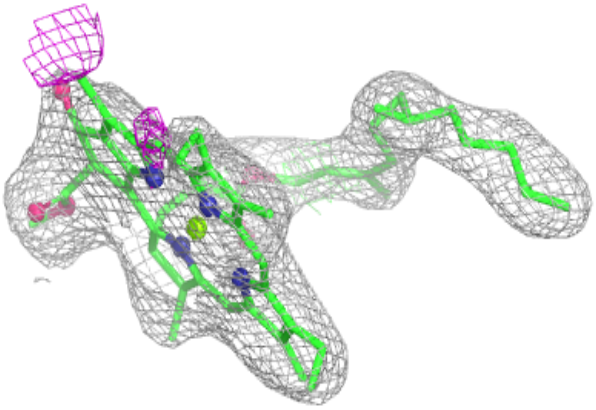


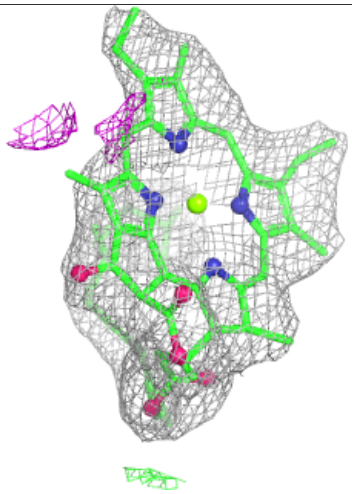


Electron density around CLA A 824:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

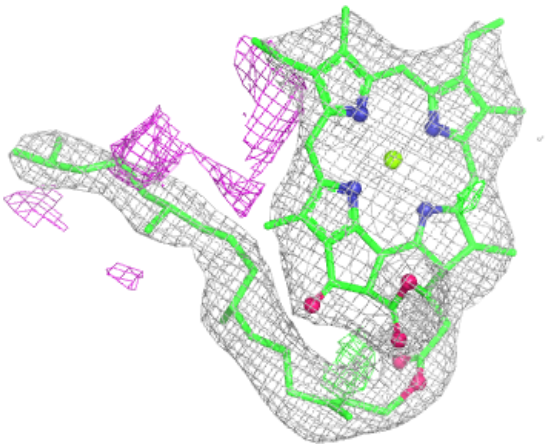


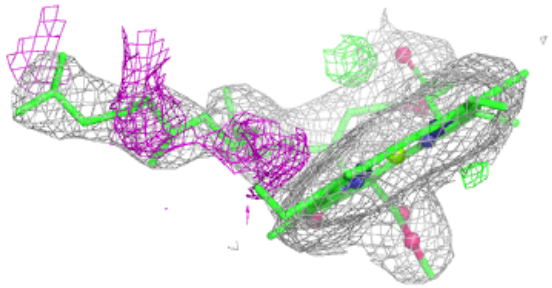


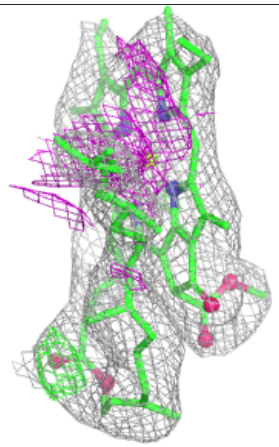


Electron density around CLA A 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

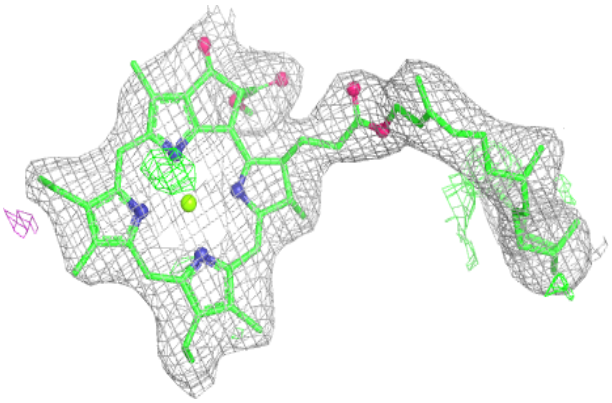


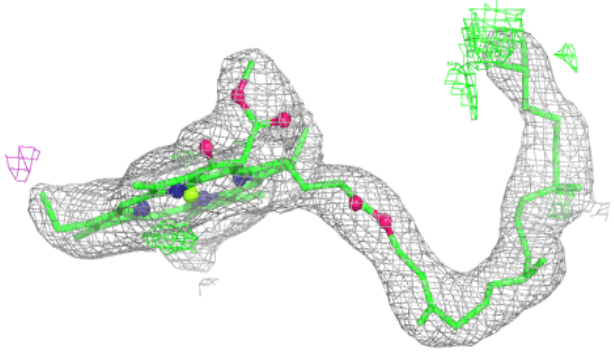


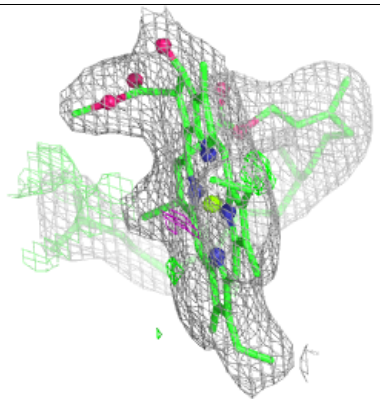


Electron density around CLA A 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

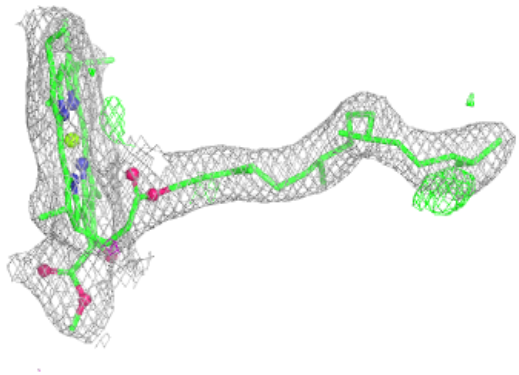


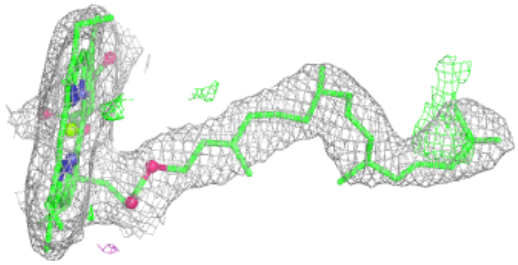


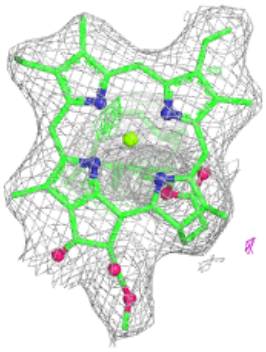


Electron density around CLA A 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

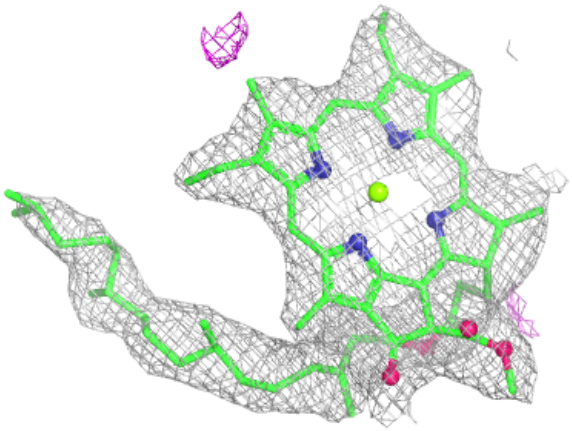


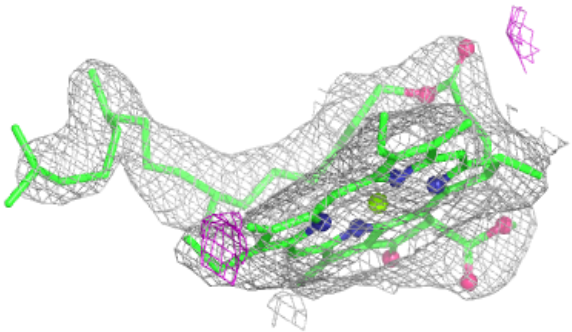


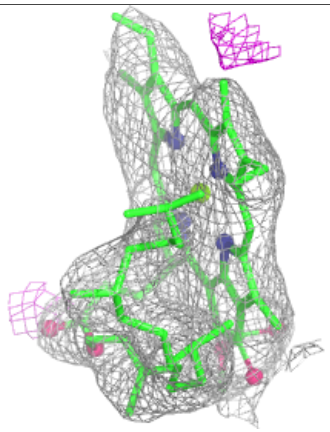


Electron density around CLA A 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

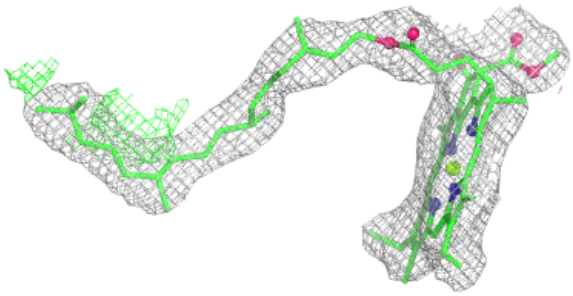


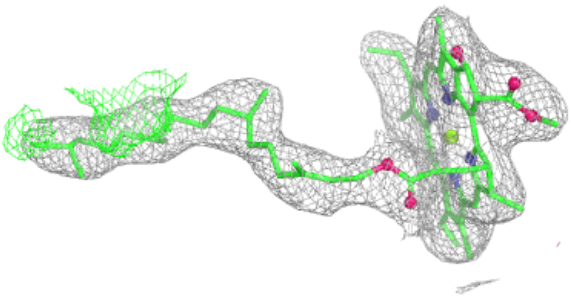


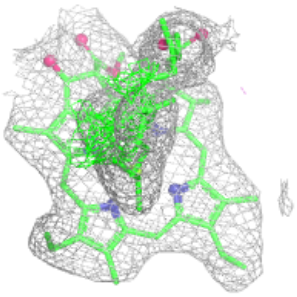


Electron density around CLA A 830:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

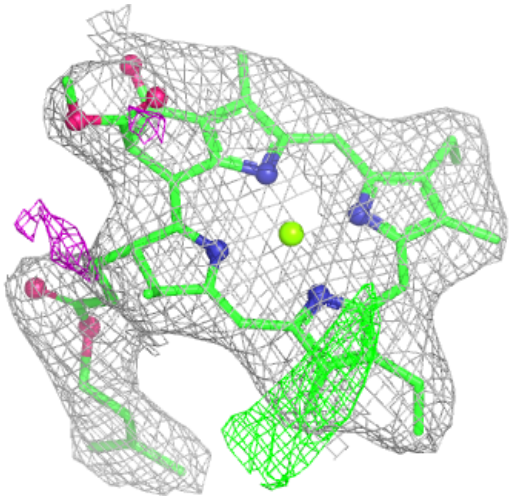


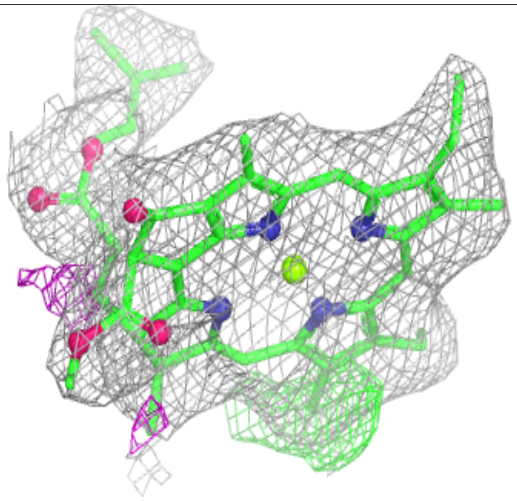


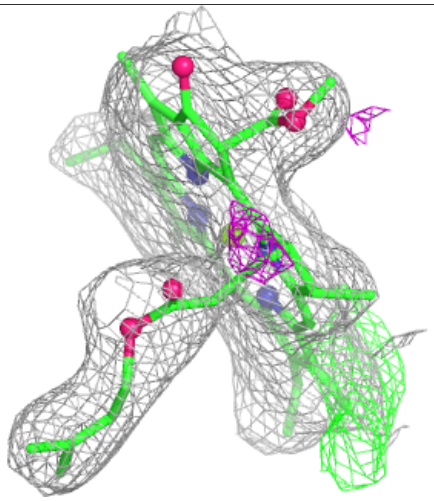


Electron density around CLA A 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

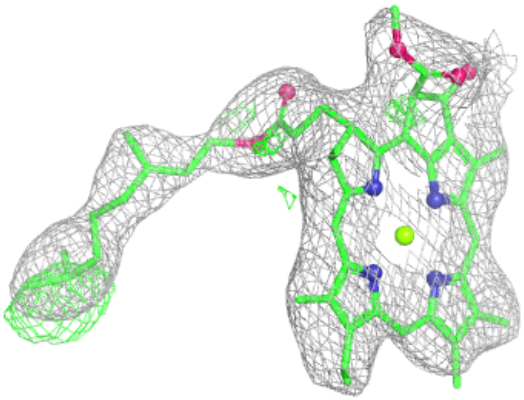


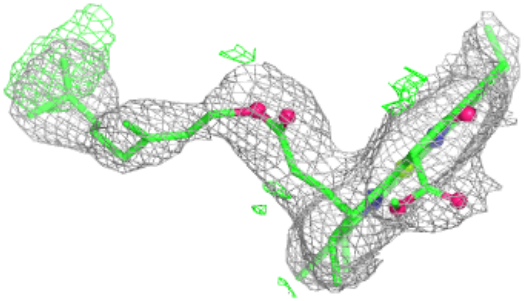




Electron density around CLA A 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

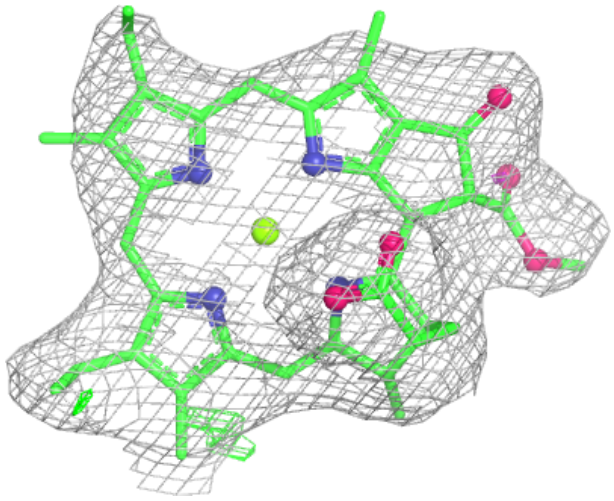


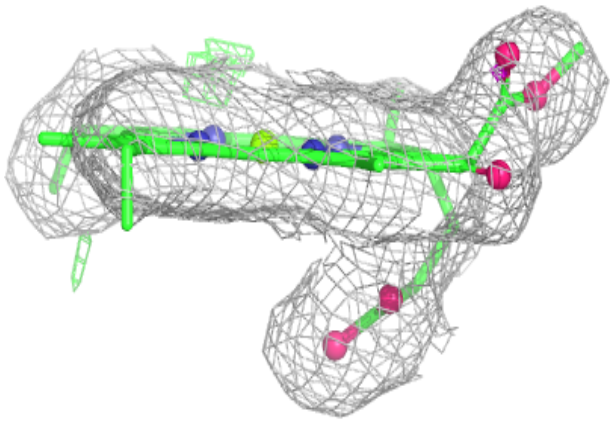


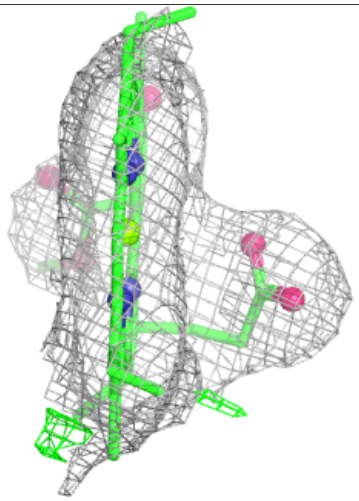


Electron density around CLA A 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

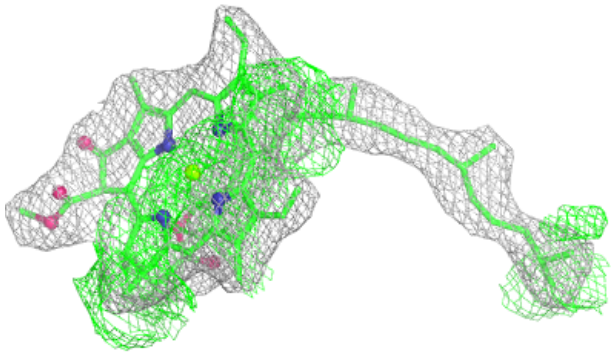


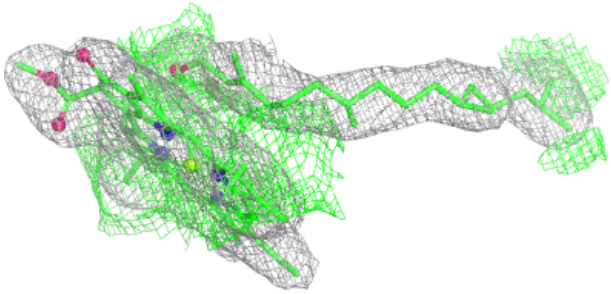




Electron density around CLA A 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

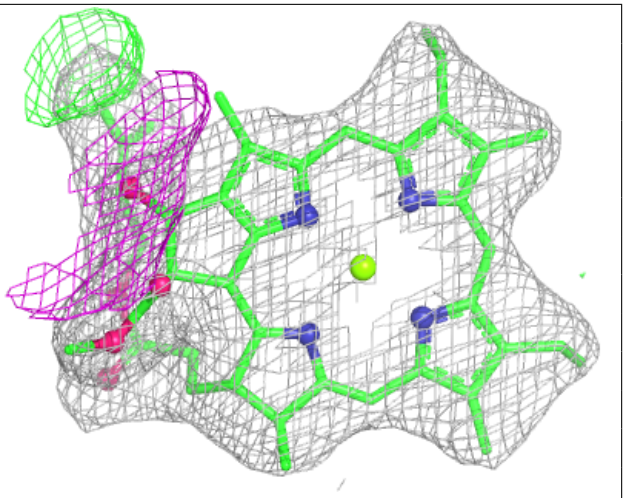


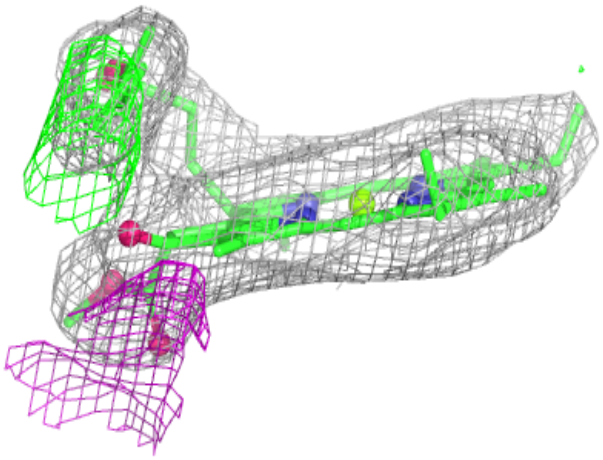


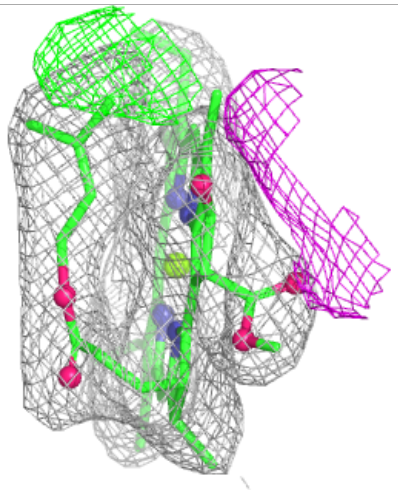


Electron density around CLA A 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

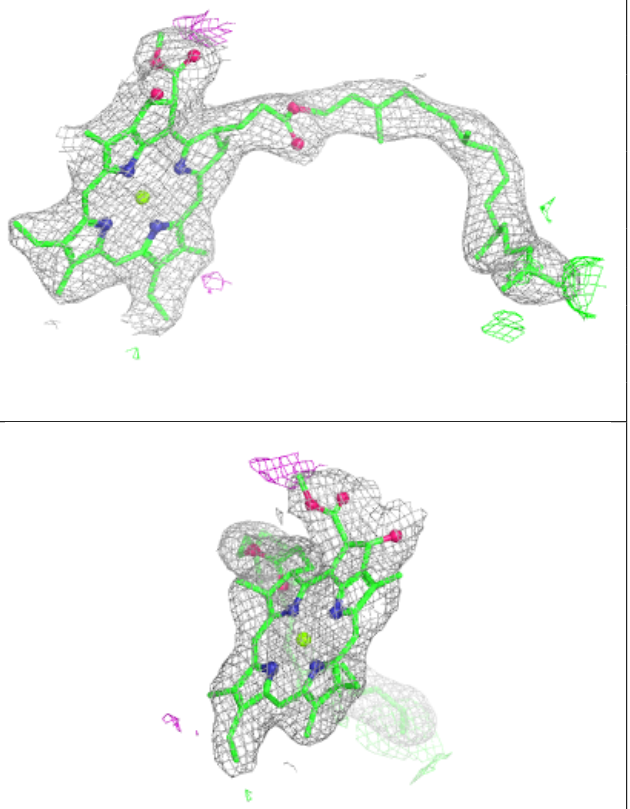






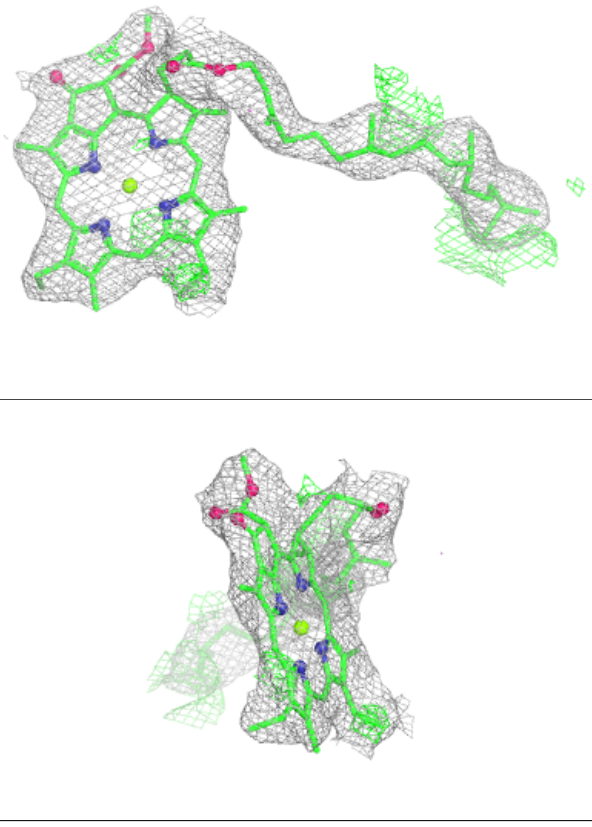
Electron density around CLA A 852:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



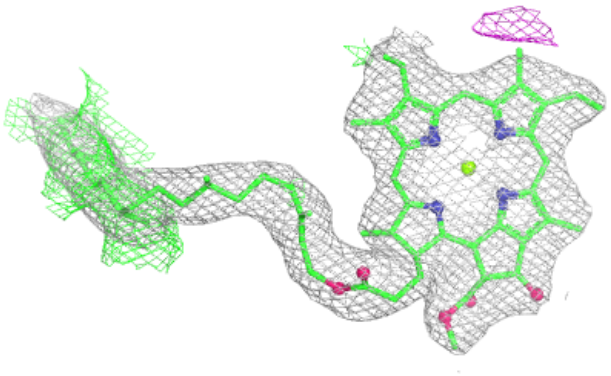
Electron density around CLA B 801:

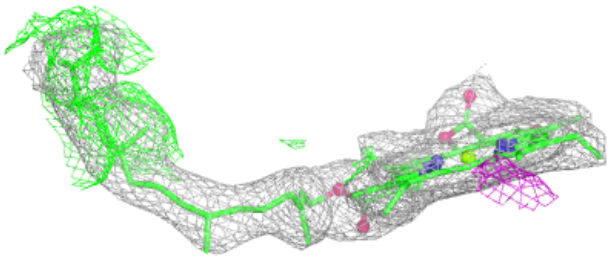
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



Electron density around CLA B 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

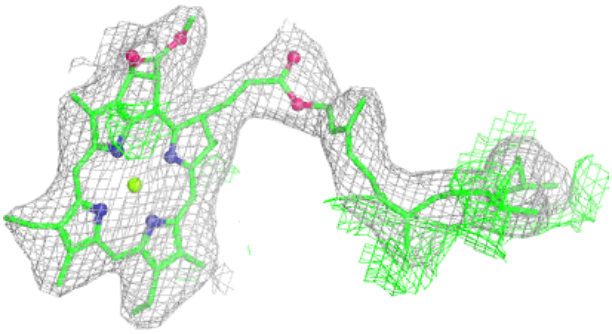


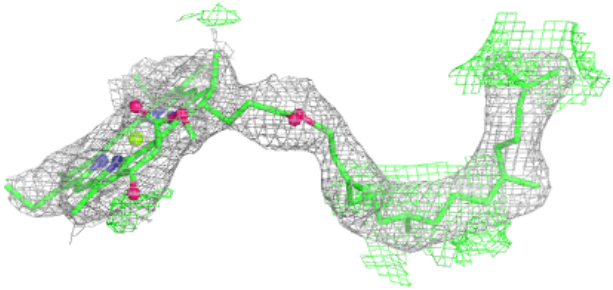


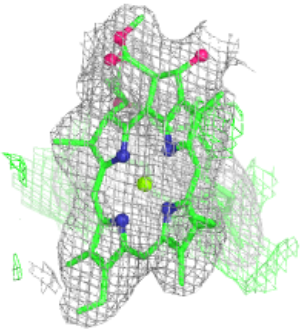


Electron density around CLA B 810:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

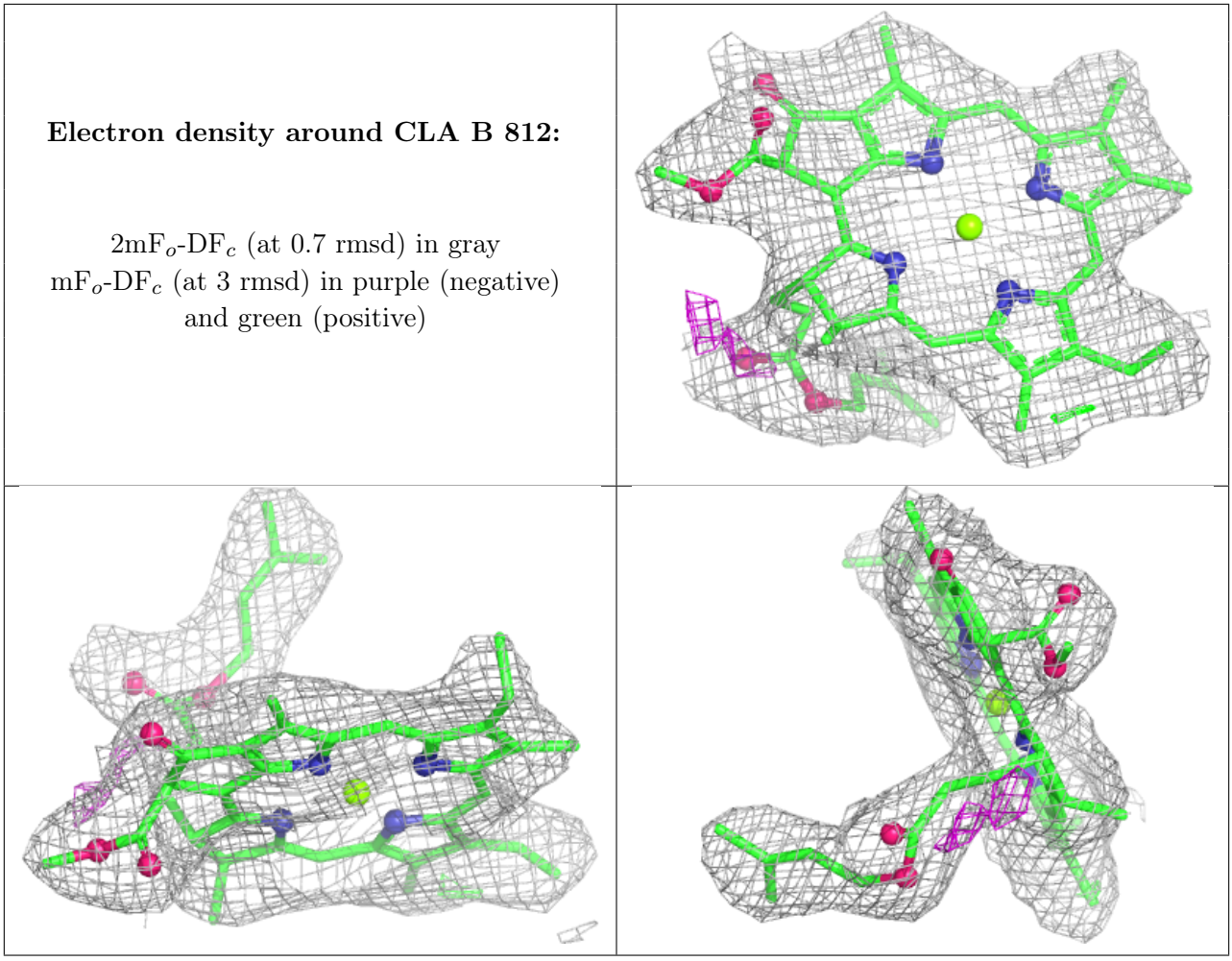






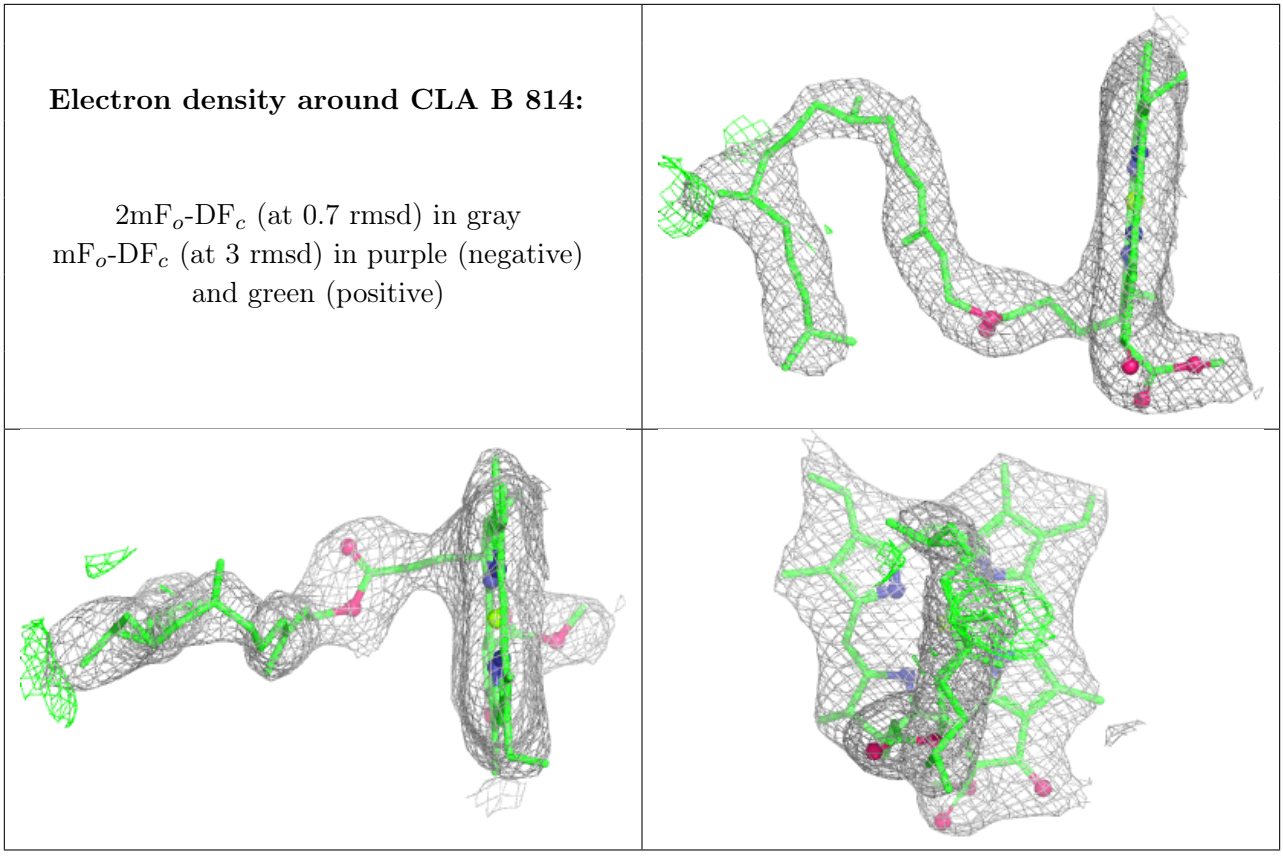
Electron density around CLA B 812:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



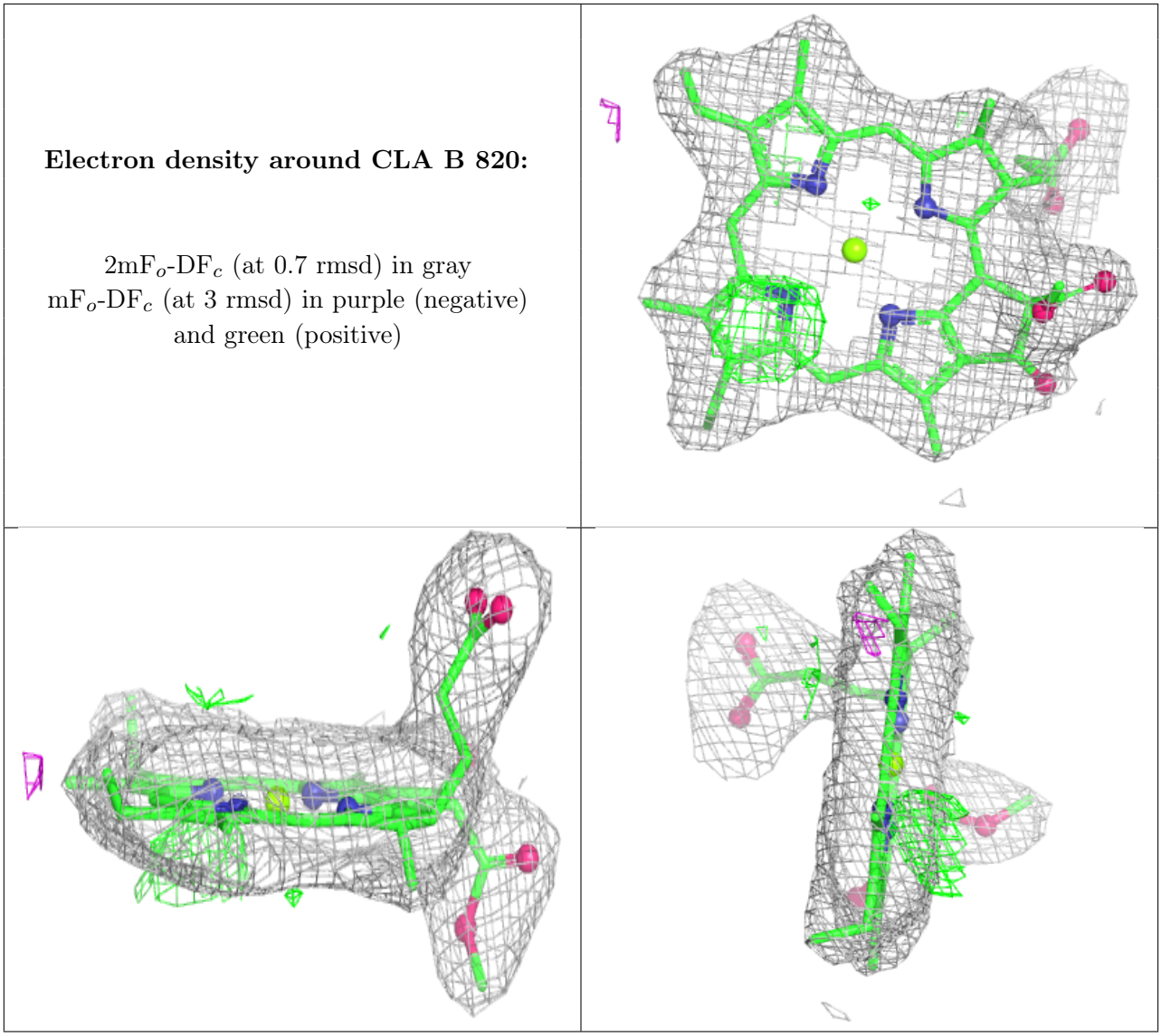
Electron density around CLA B 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



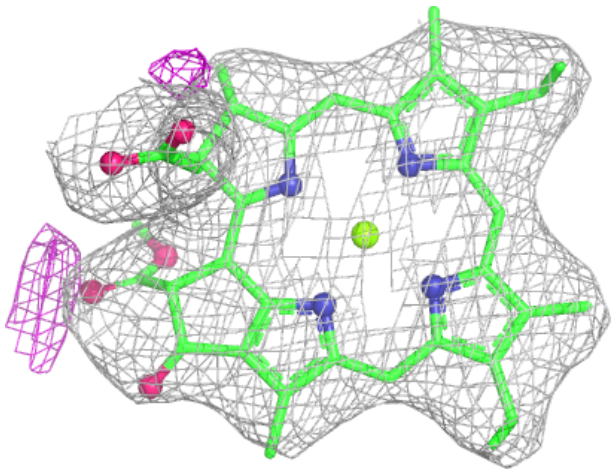
Electron density around CLA B 820:

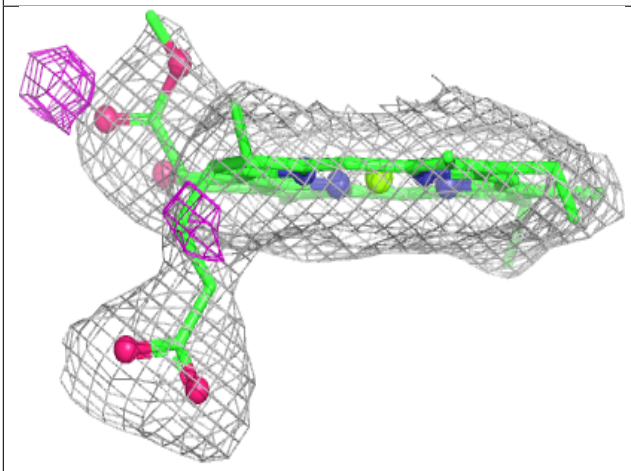
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

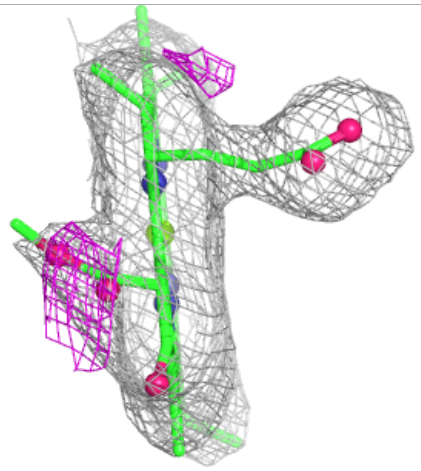


Electron density around CLA B 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

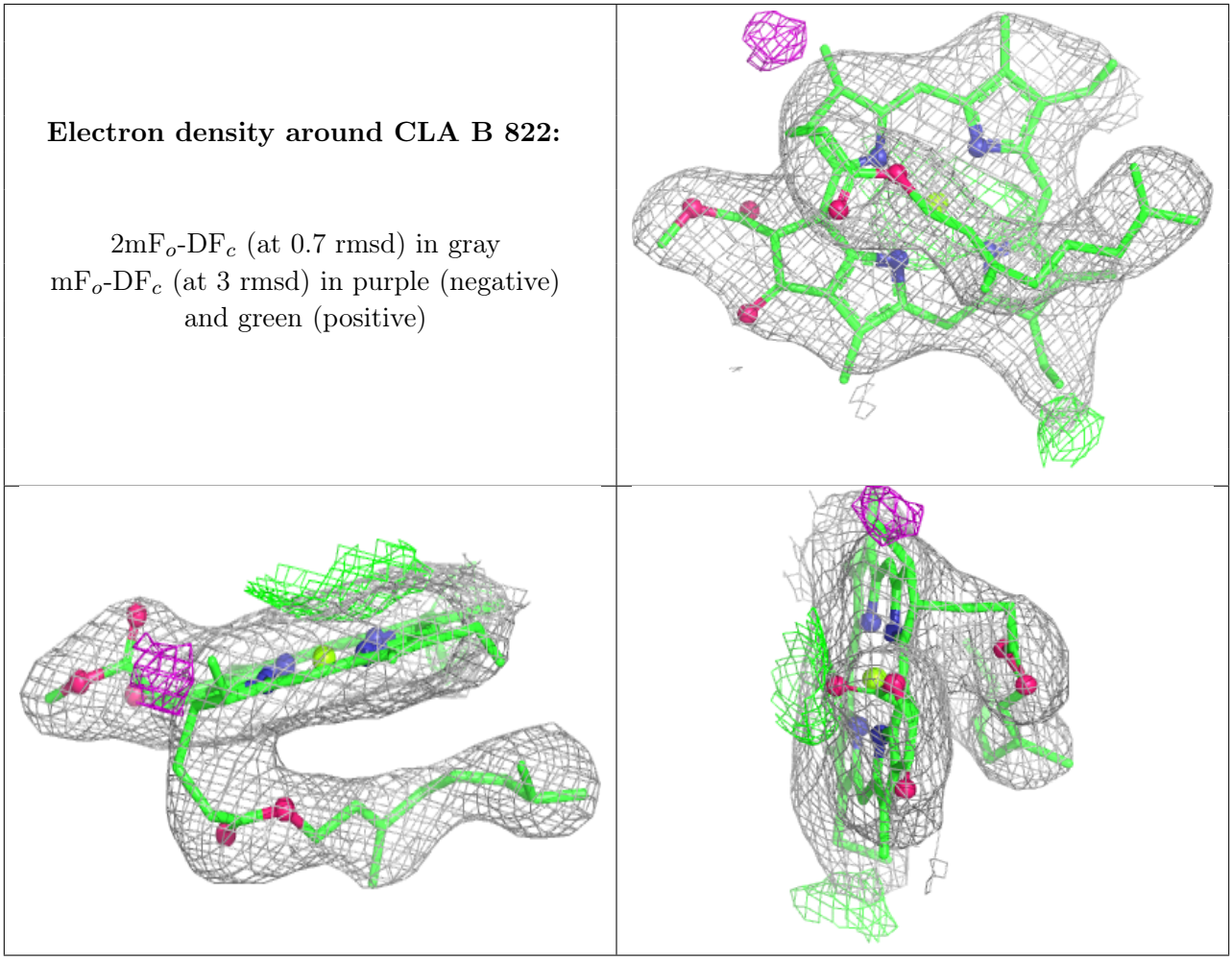






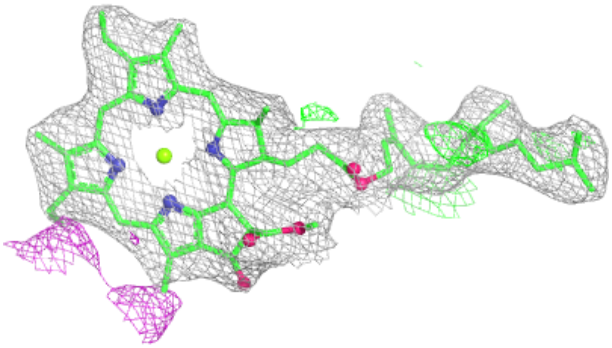
Electron density around CLA B 822:

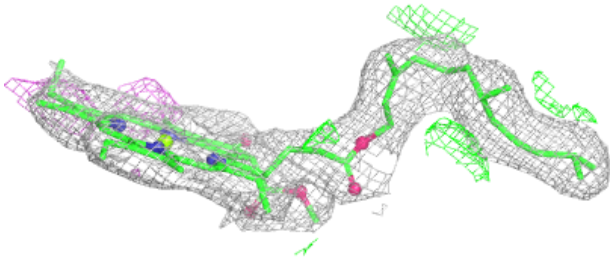
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

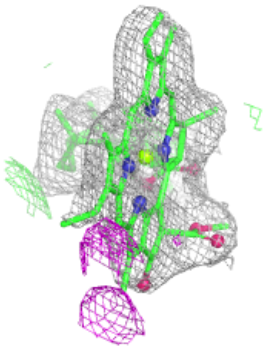


Electron density around CLA B 823:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

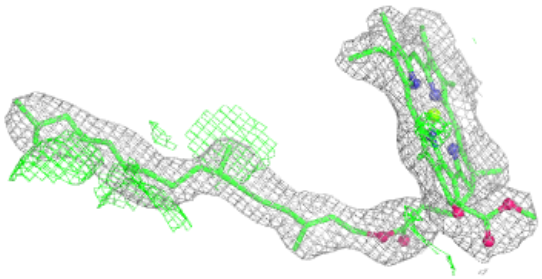


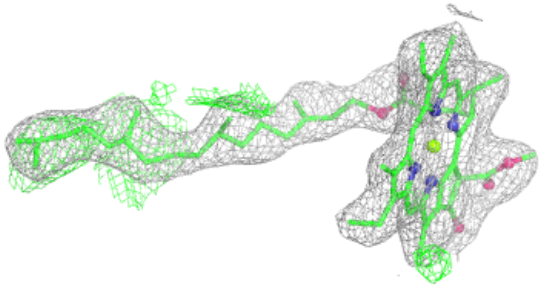


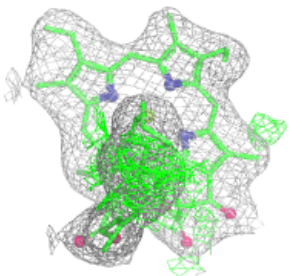


Electron density around CLA B 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

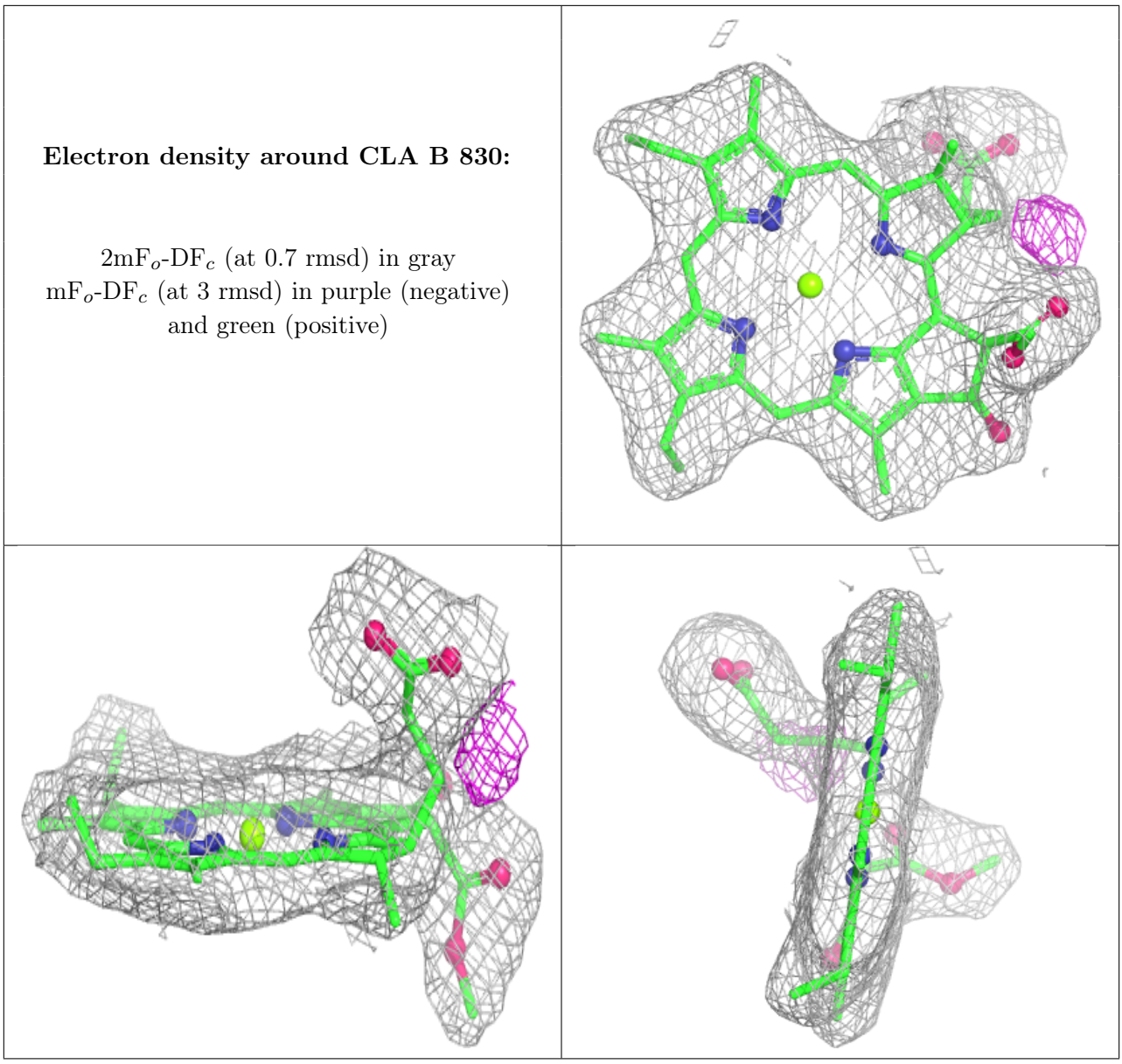






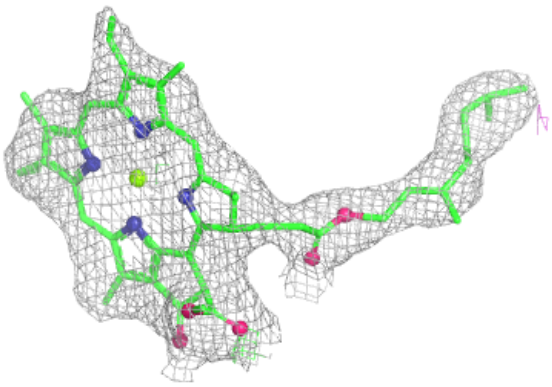
Electron density around CLA B 830:

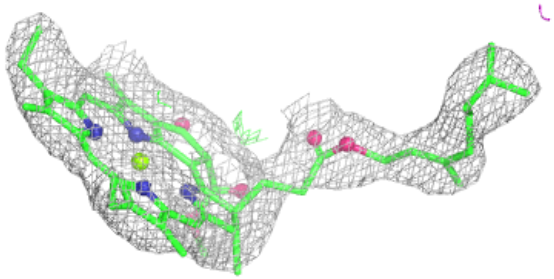
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

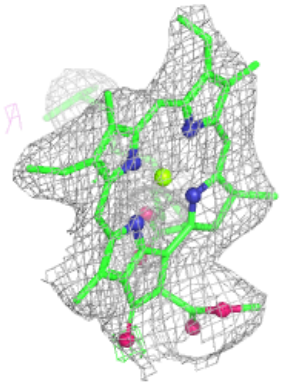


Electron density around CLA B 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

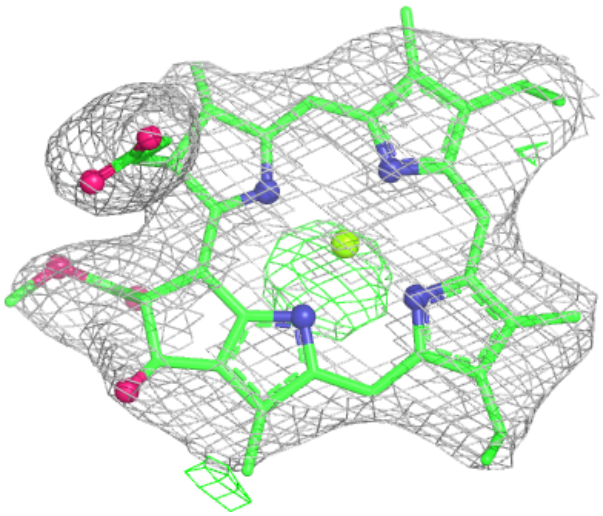


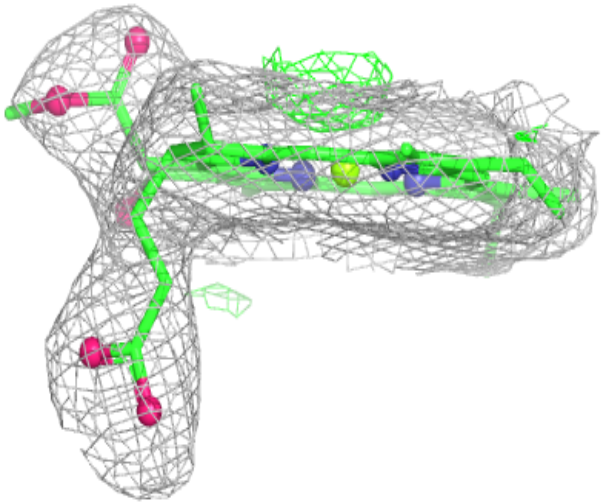


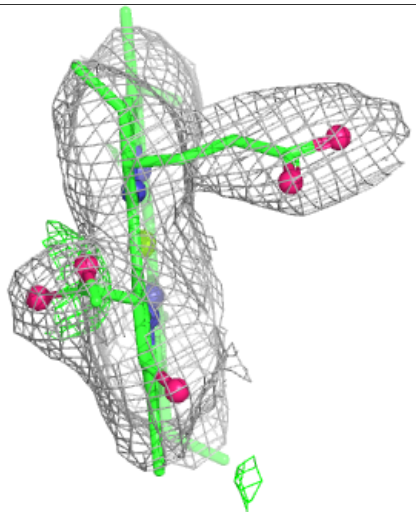


Electron density around CLA B 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

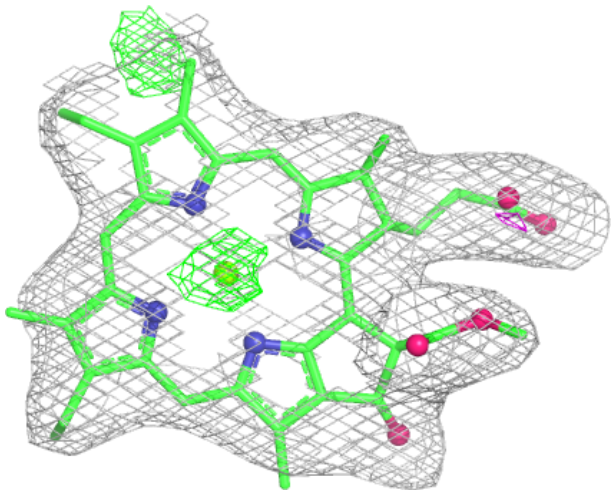


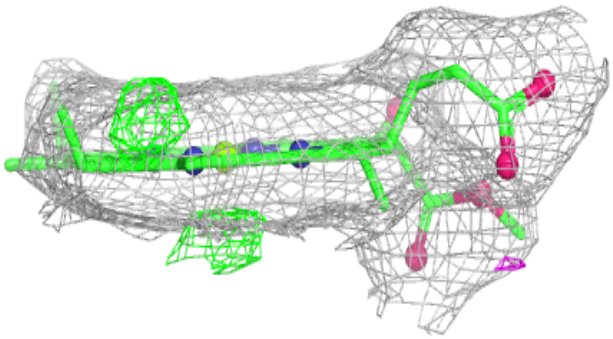


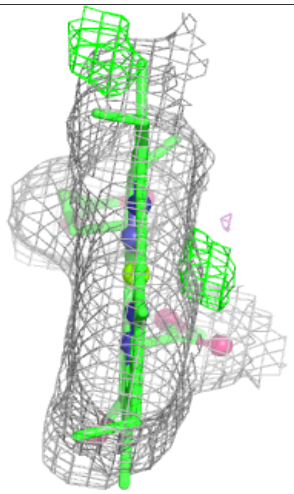


Electron density around CLA B 836:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

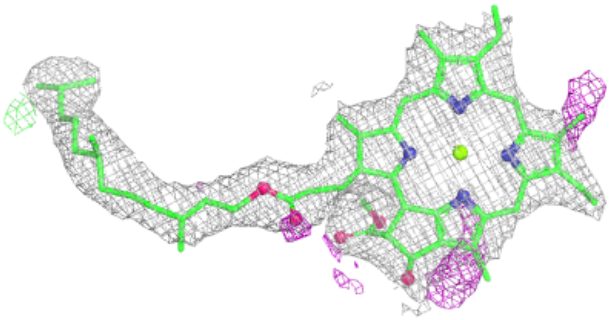


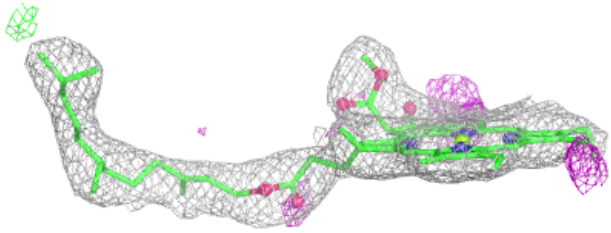


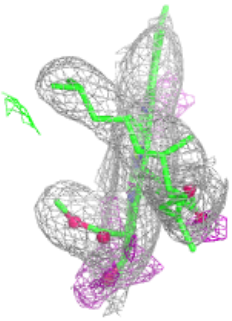


Electron density around CLA B 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

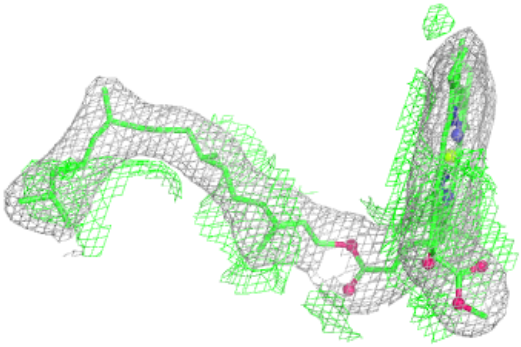


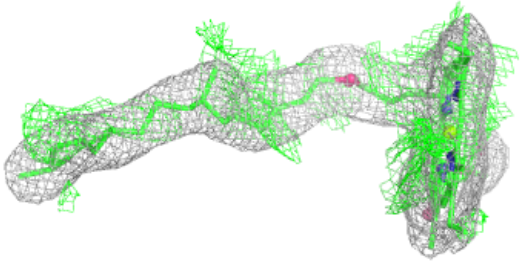


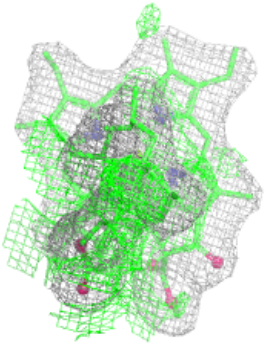


Electron density around CLA B 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

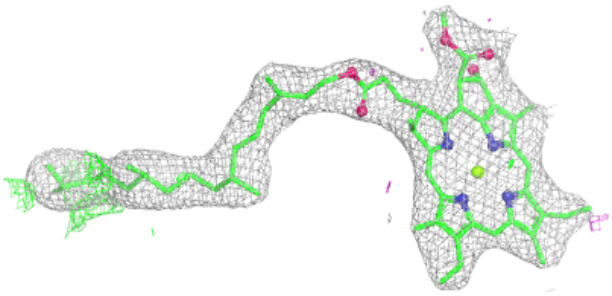


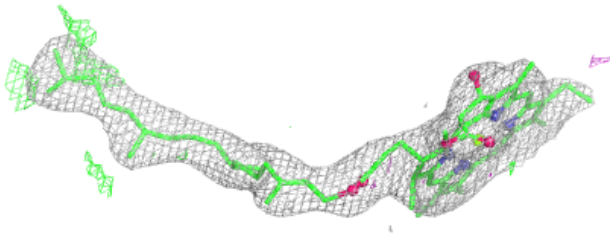


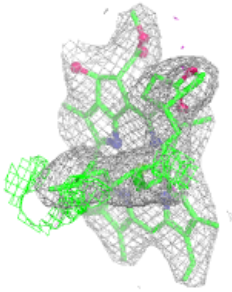


Electron density around CLA G 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

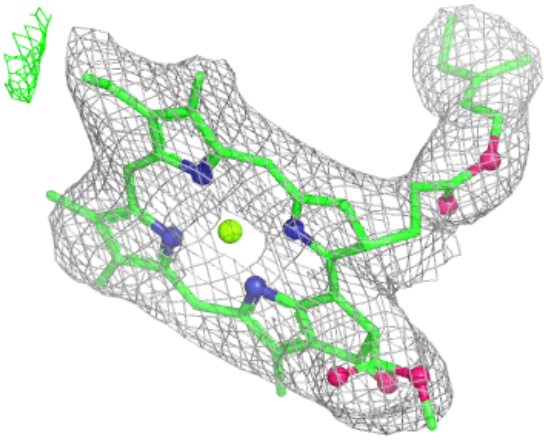


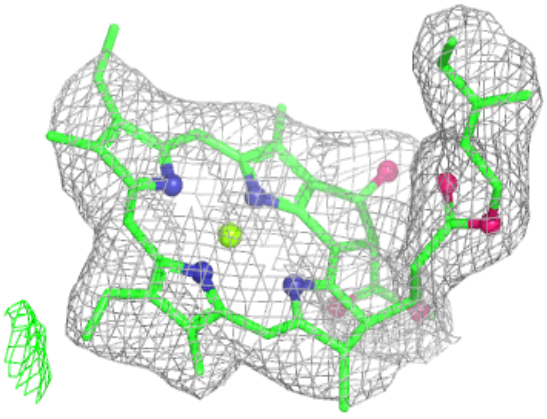


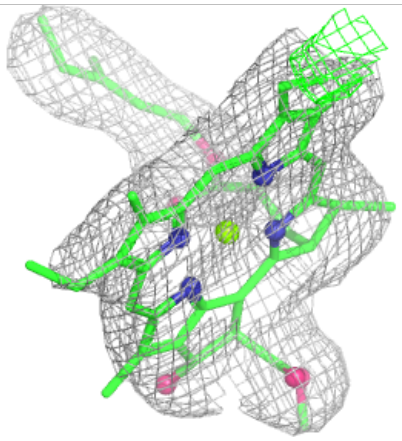


Electron density around CLA G 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

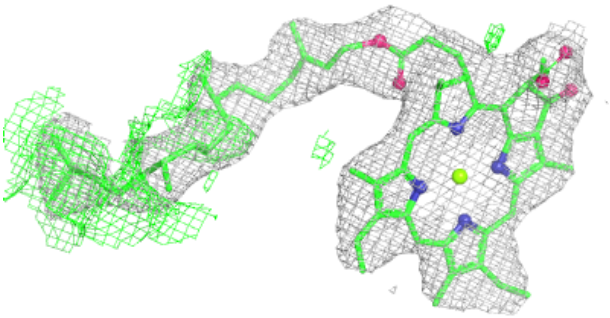


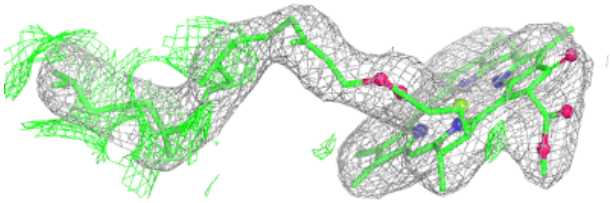


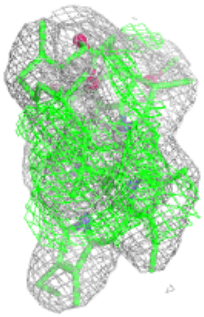


Electron density around CLA G 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

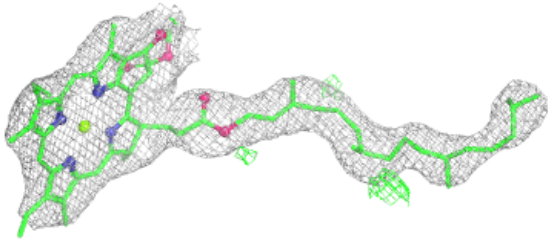


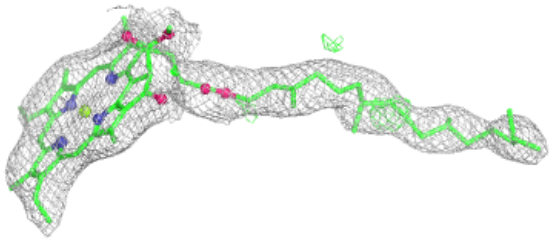


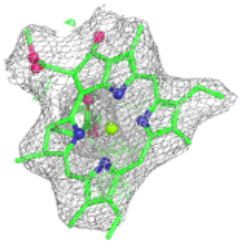


Electron density around CLA G 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

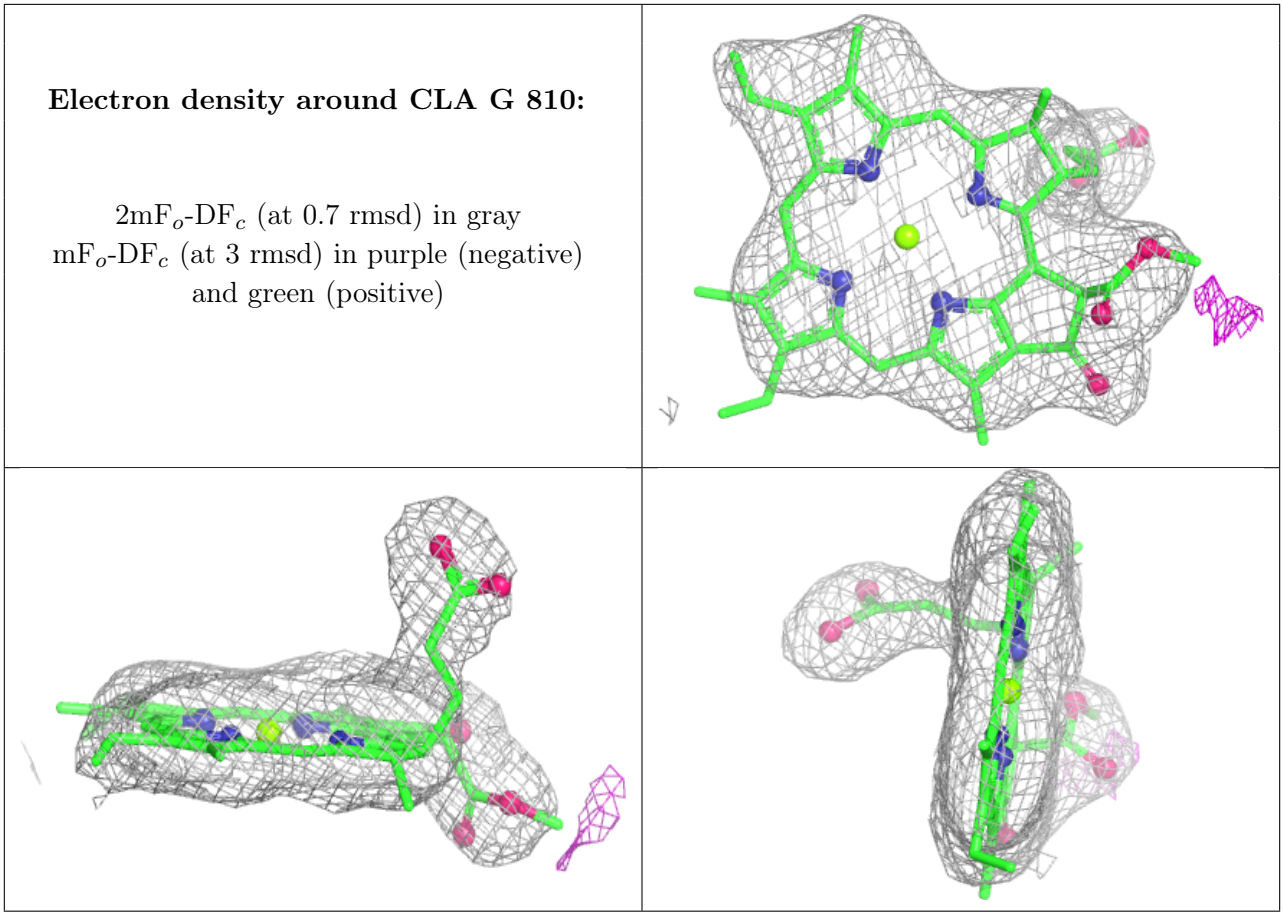






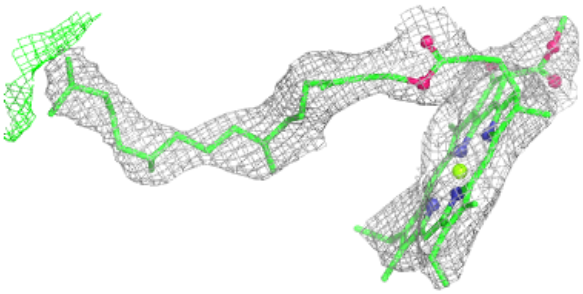
Electron density around CLA G 810:

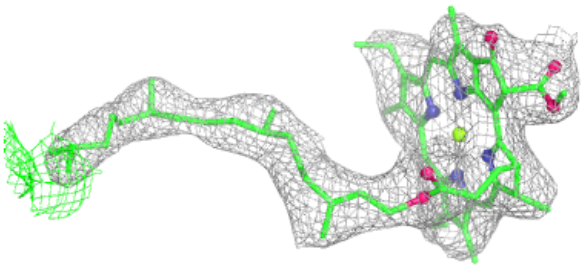
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

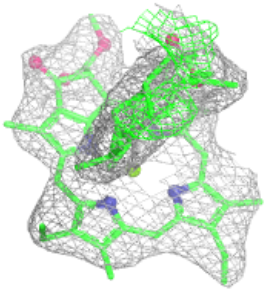


Electron density around CLA G 811:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

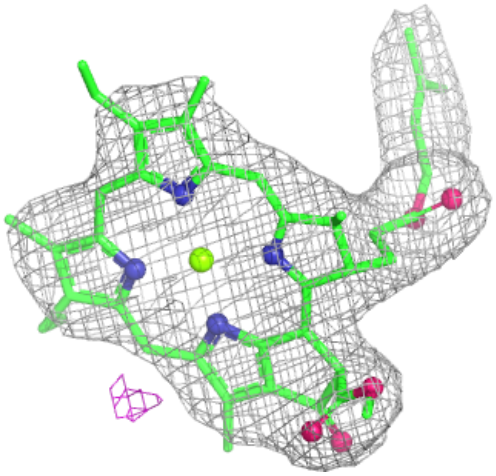


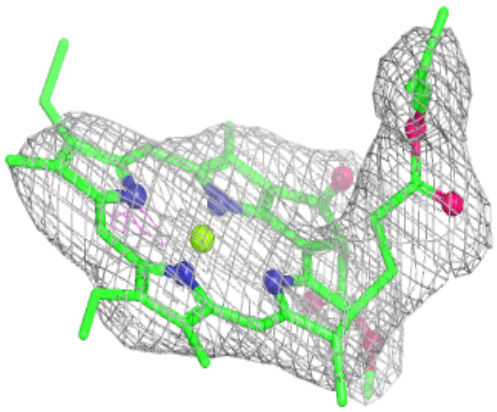


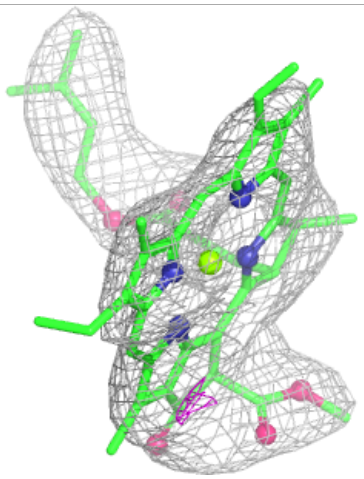


Electron density around CLA G 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

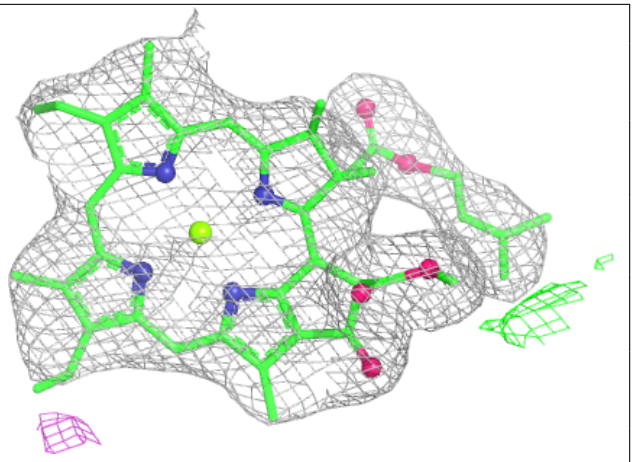


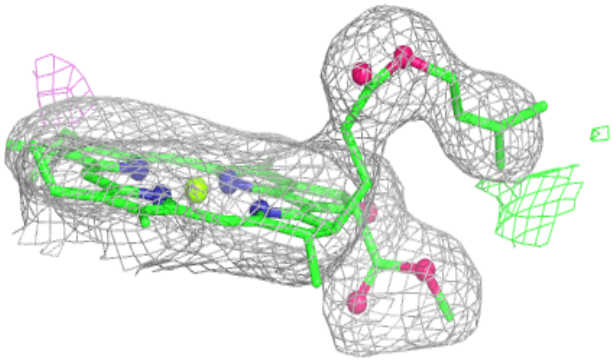


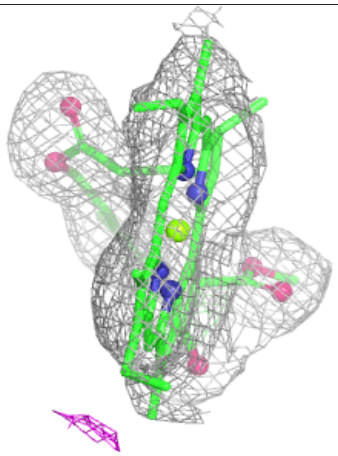


Electron density around CLA G 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

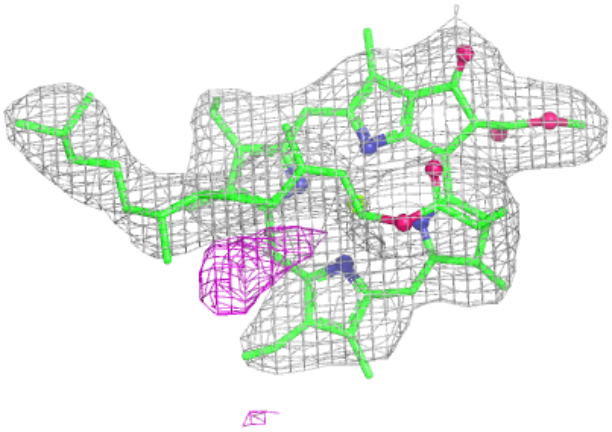


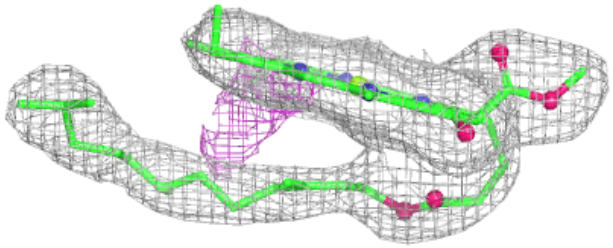


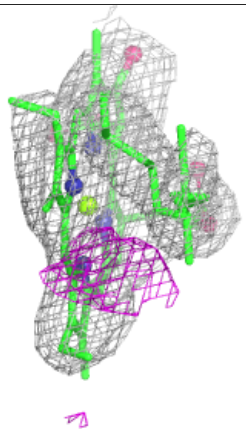


Electron density around CLA G 817:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

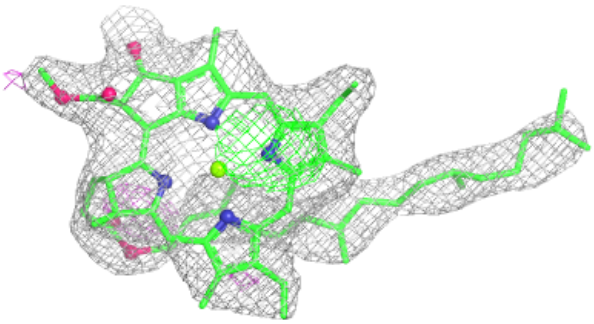


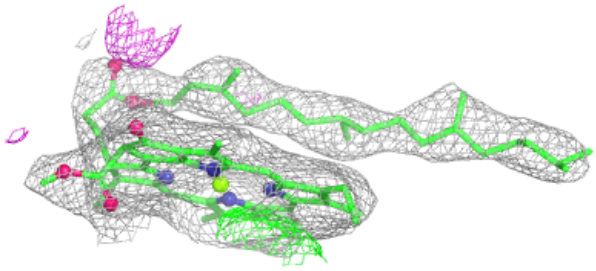


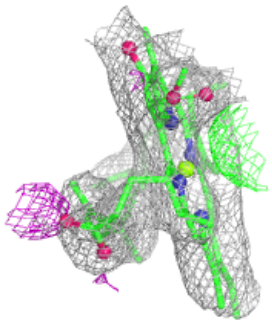


Electron density around CLA G 818:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

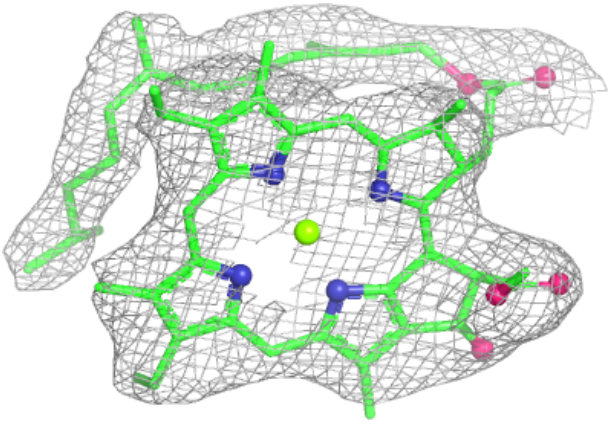


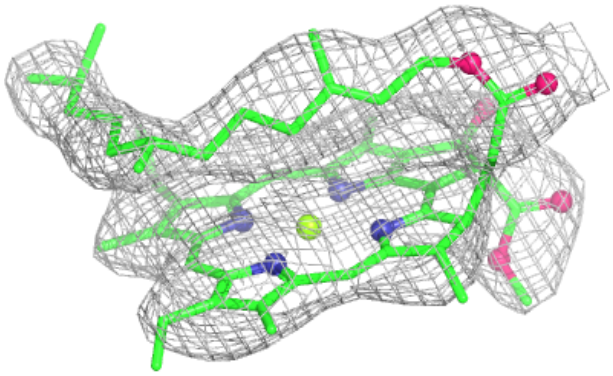


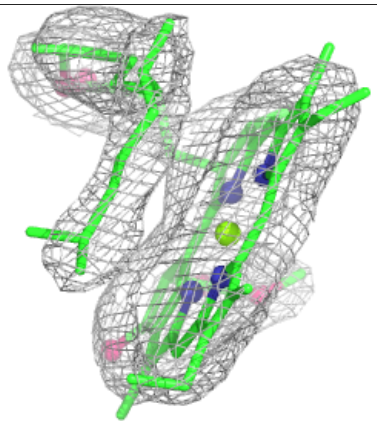


Electron density around CLA G 820:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

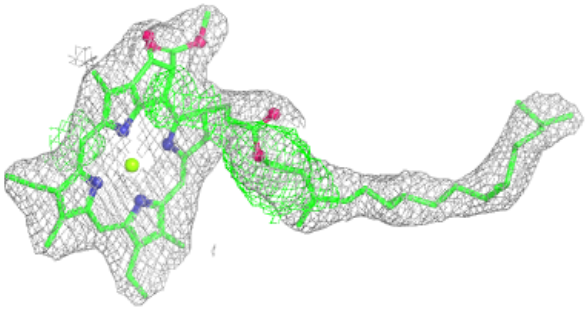


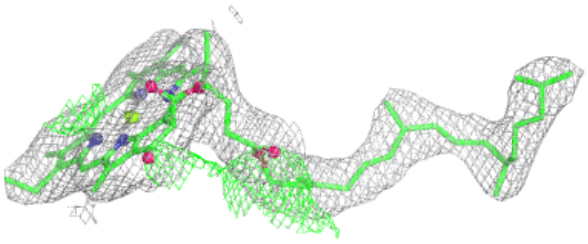


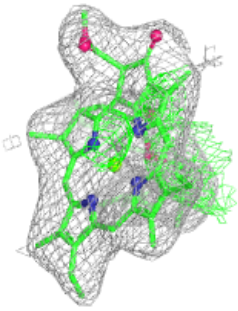


Electron density around CLA G 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

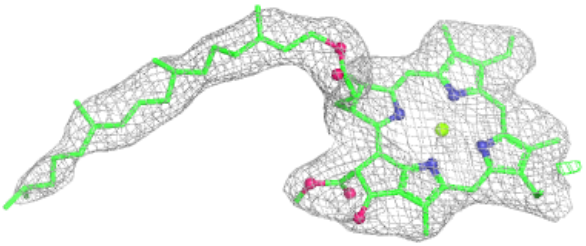


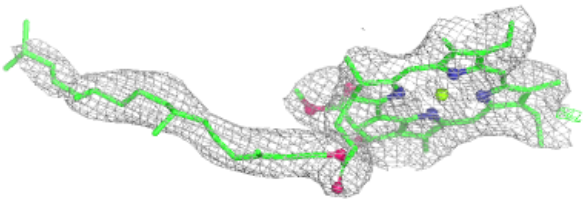


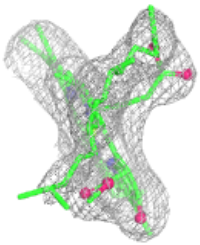


Electron density around CLA G 822:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

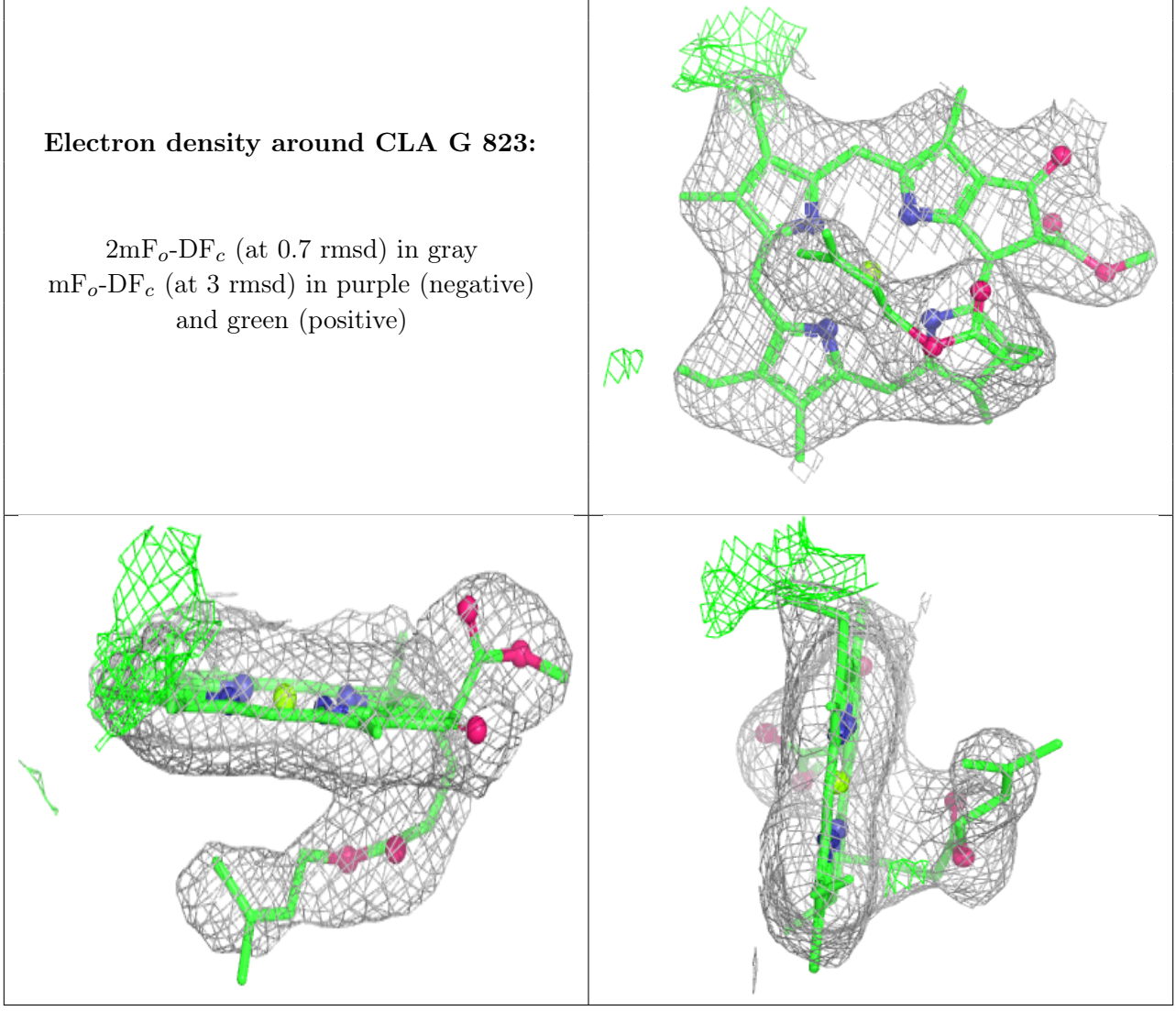






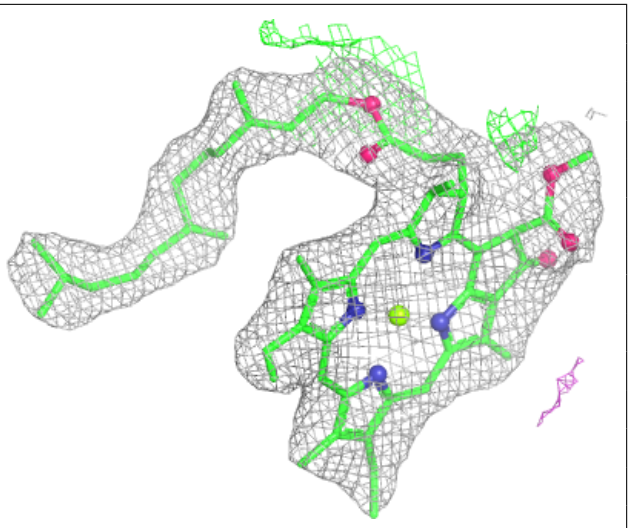
Electron density around CLA G 823:

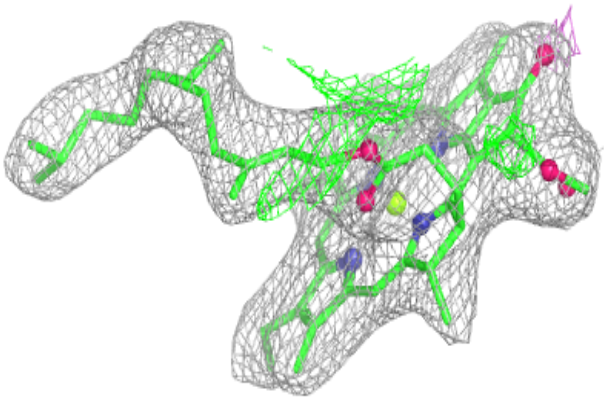
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

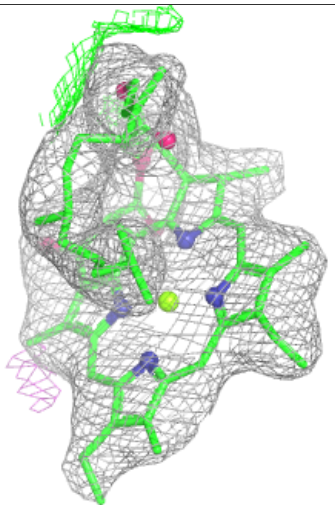


Electron density around CLA G 824:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

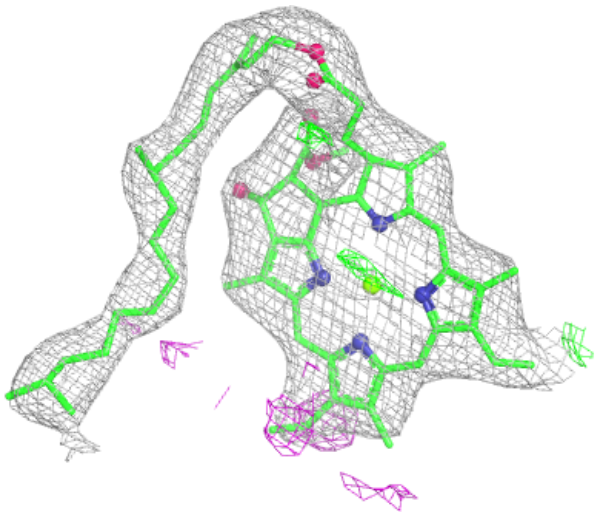


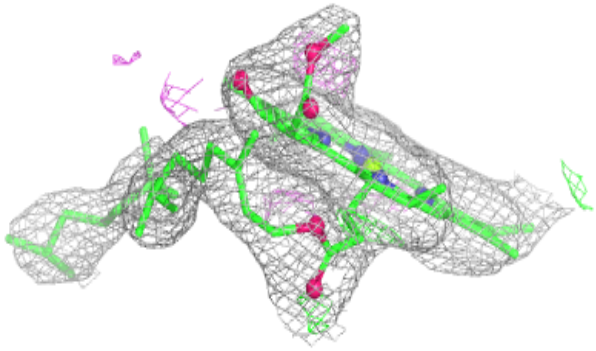


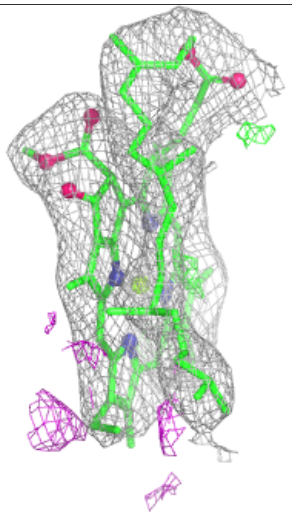


Electron density around CLA G 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

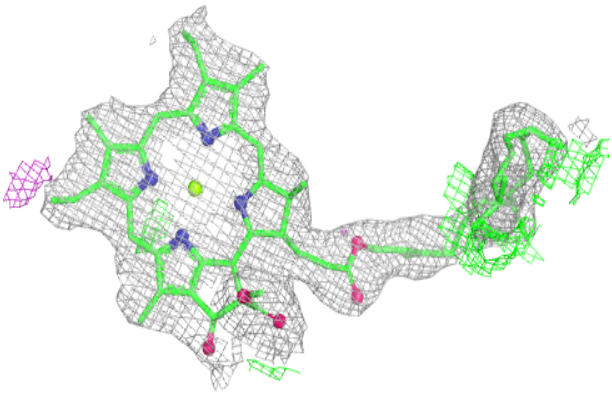


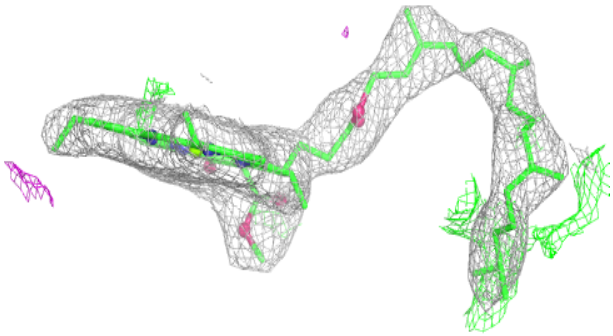




Electron density around CLA G 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

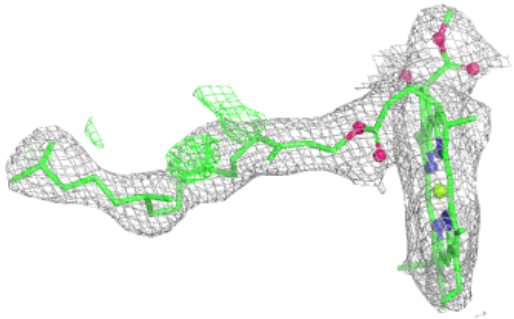


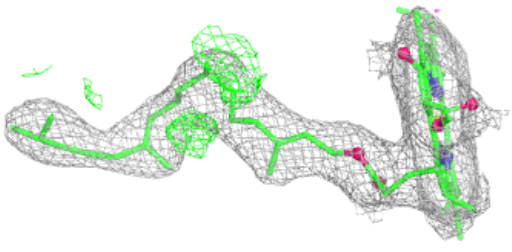


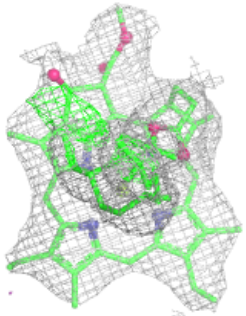


Electron density around CLA G 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

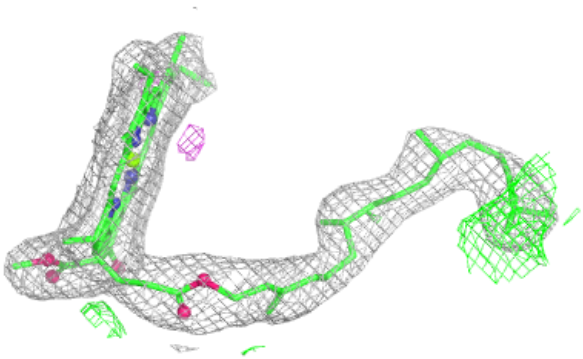


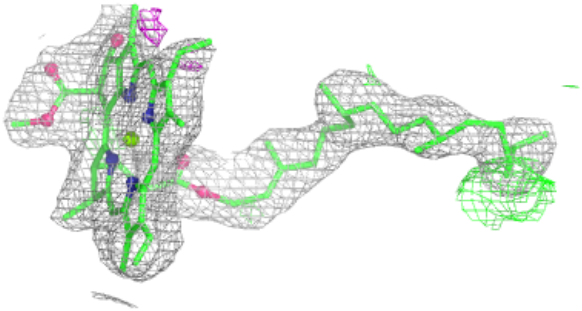


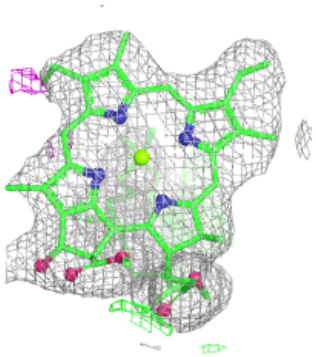


Electron density around CLA G 830:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

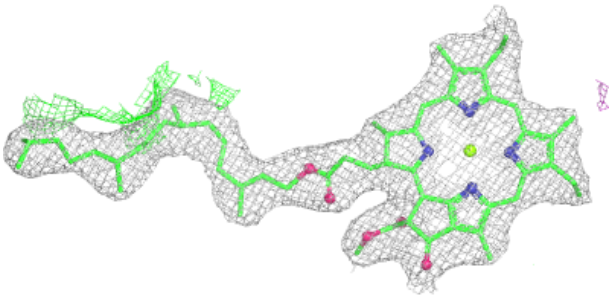


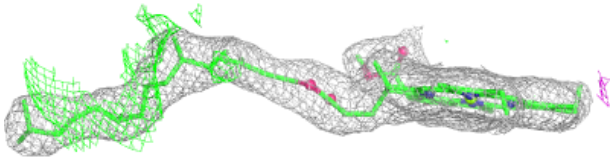


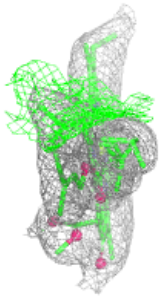


Electron density around CLA G 832:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

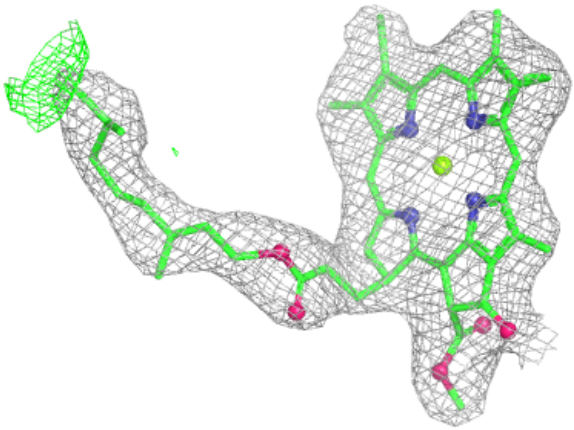


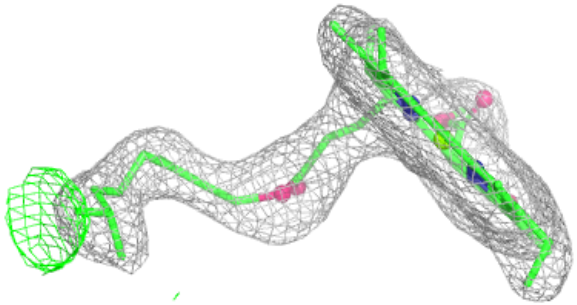


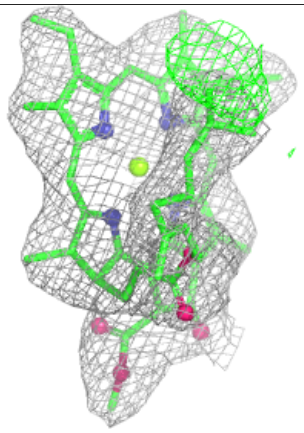


Electron density around CLA G 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

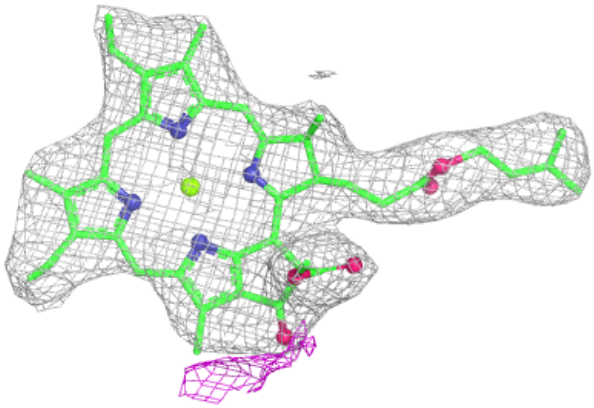


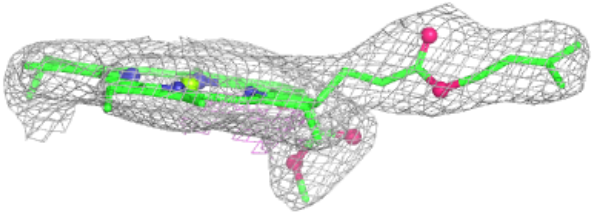


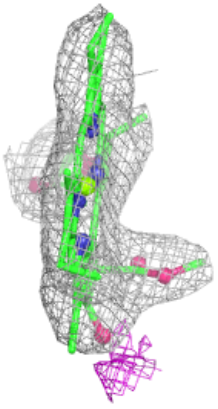


Electron density around CLA G 836:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

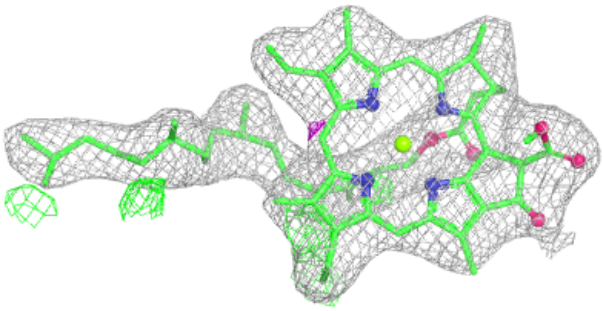


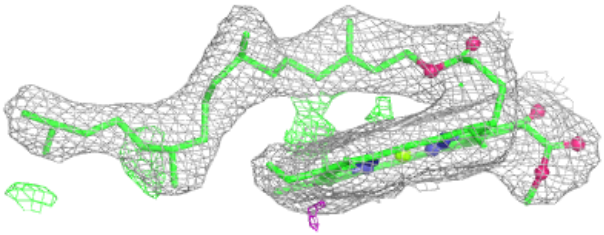


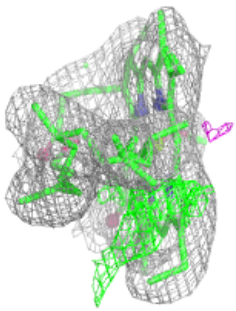


Electron density around CLA G 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

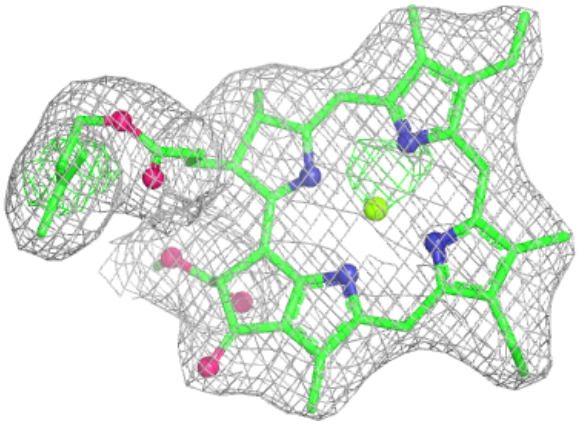


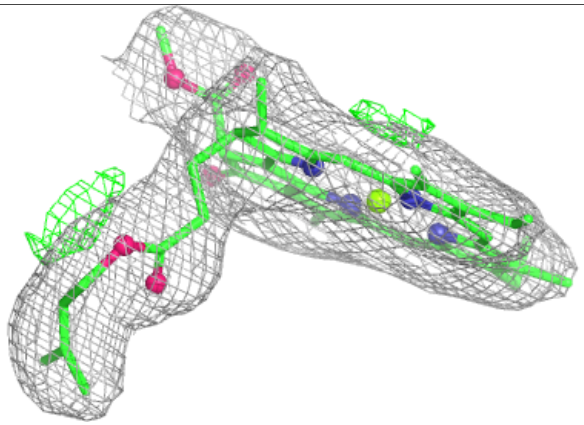


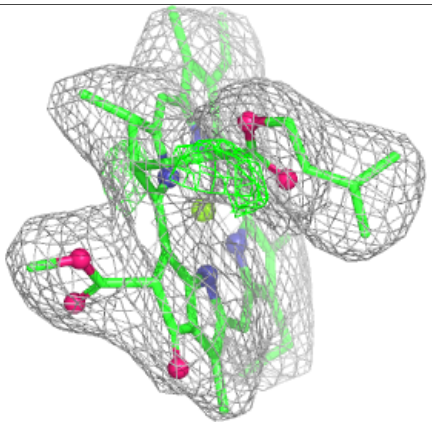


Electron density around CLA G 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

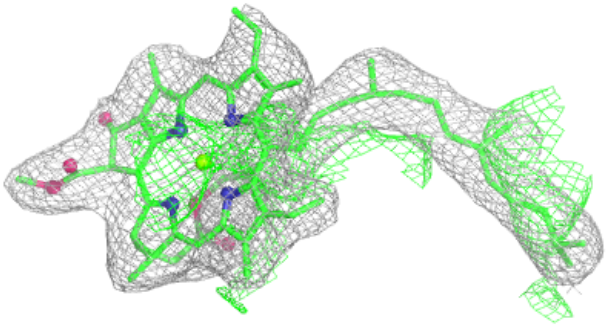


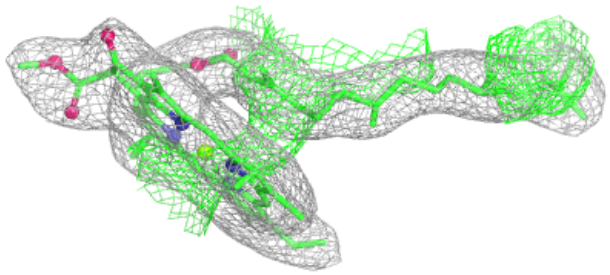


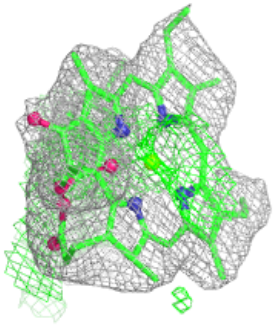


Electron density around CLA G 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

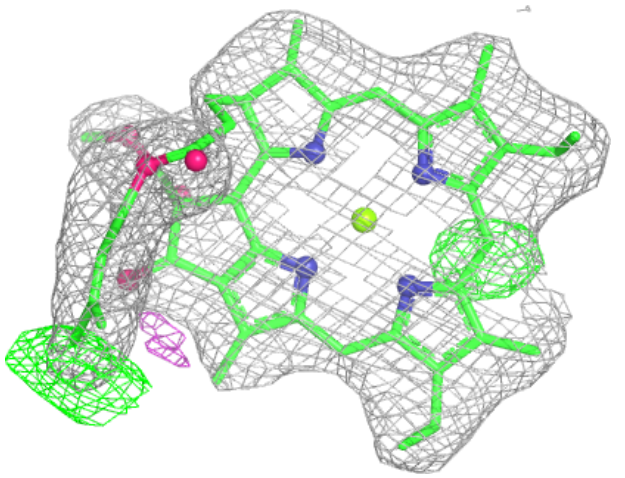


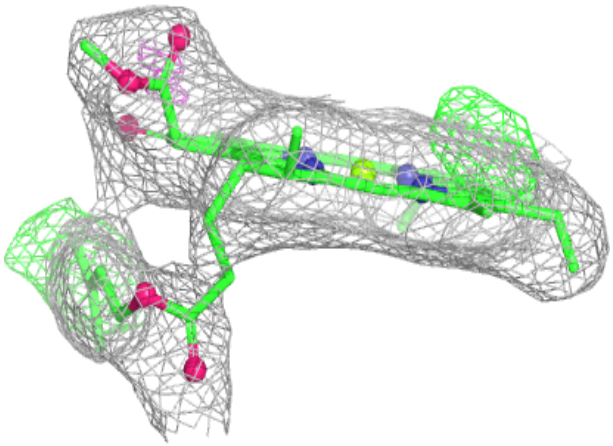




Electron density around CLA G 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

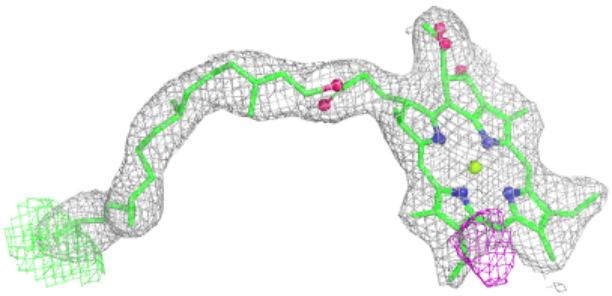


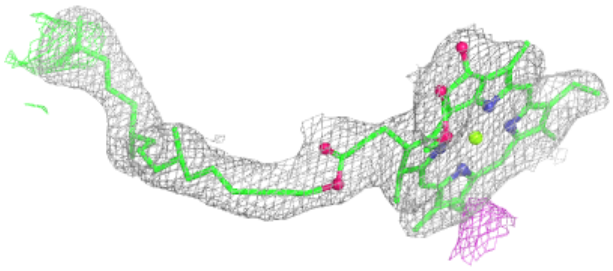


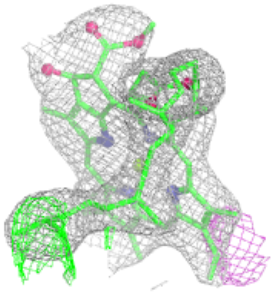


Electron density around CLA H 801:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

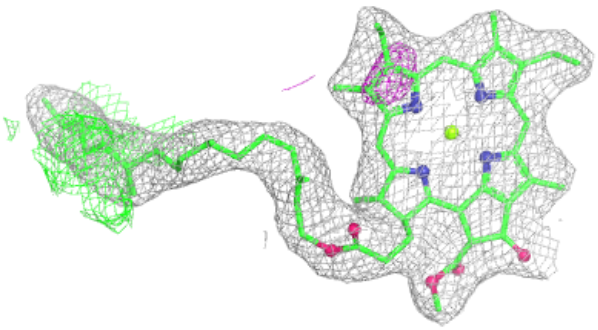


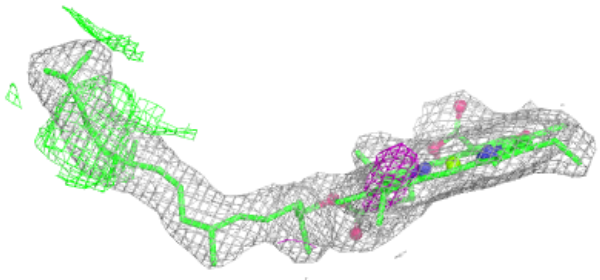


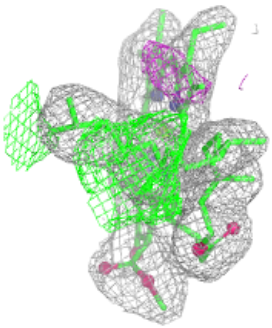


Electron density around CLA H 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

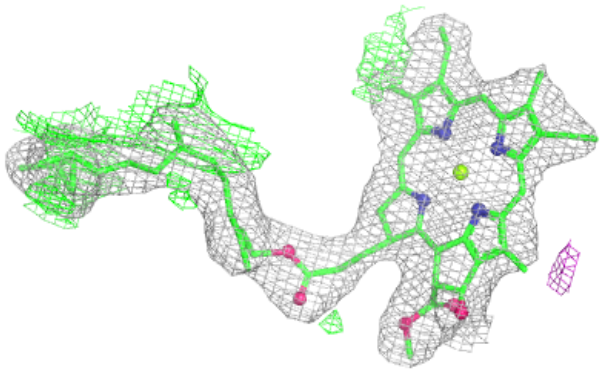


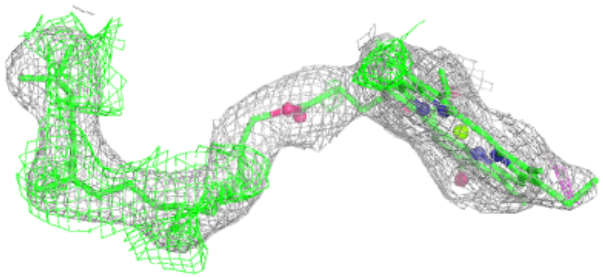


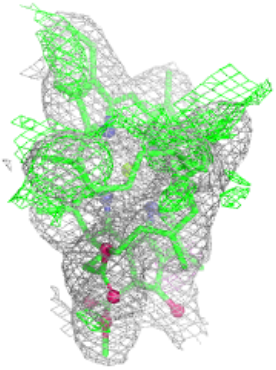


Electron density around CLA H 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

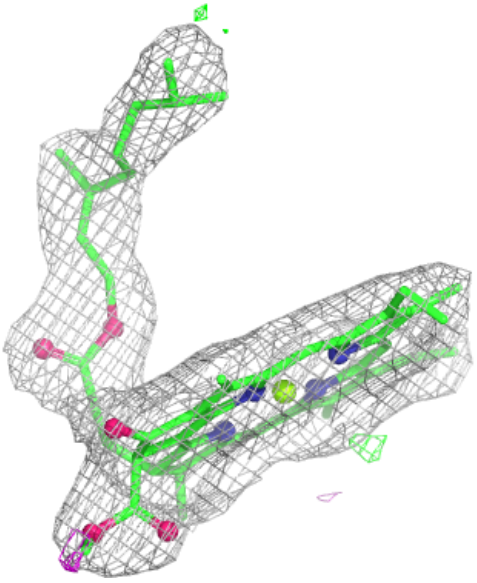


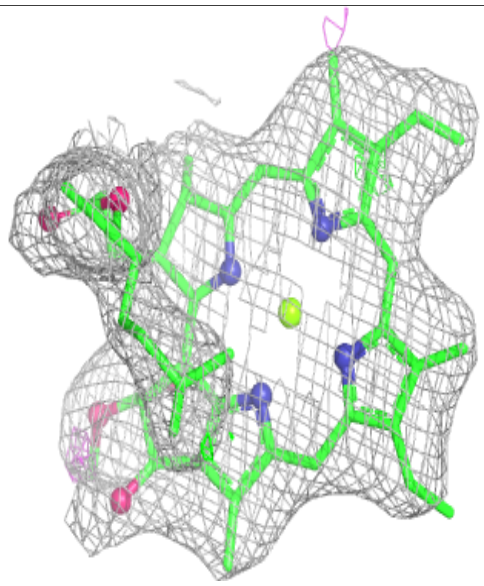


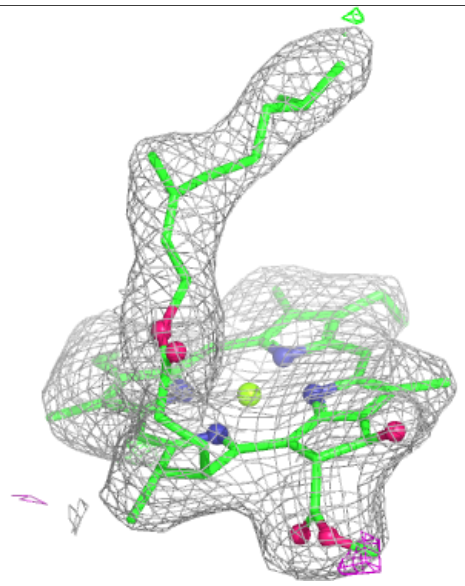


Electron density around CLA H 810:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

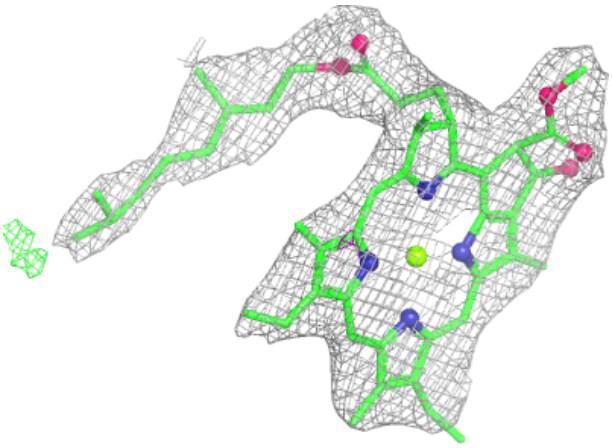


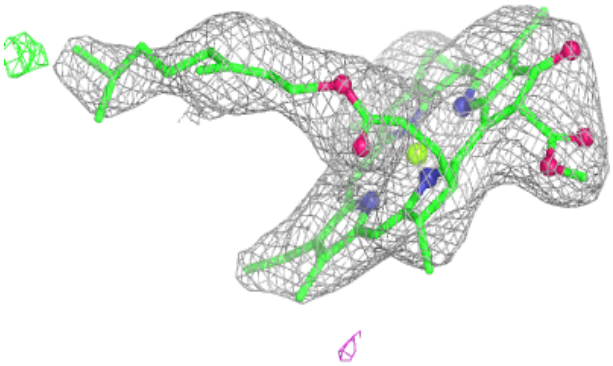


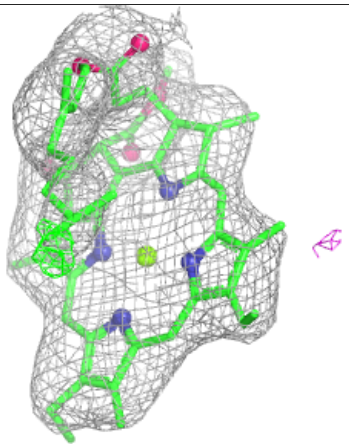


Electron density around CLA H 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

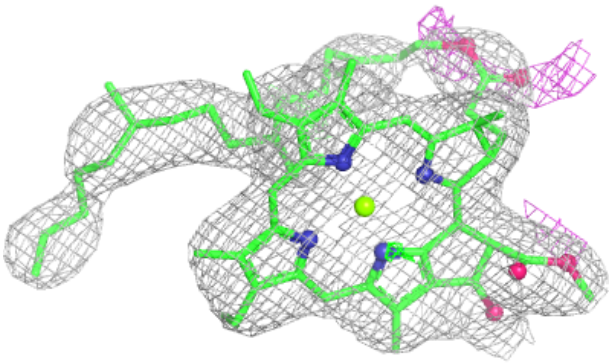


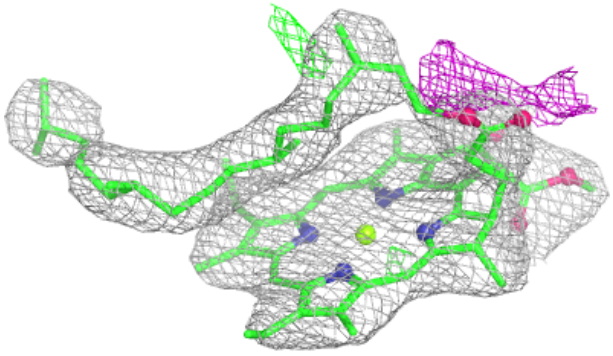


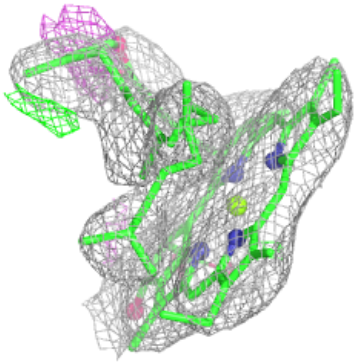


Electron density around CLA H 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

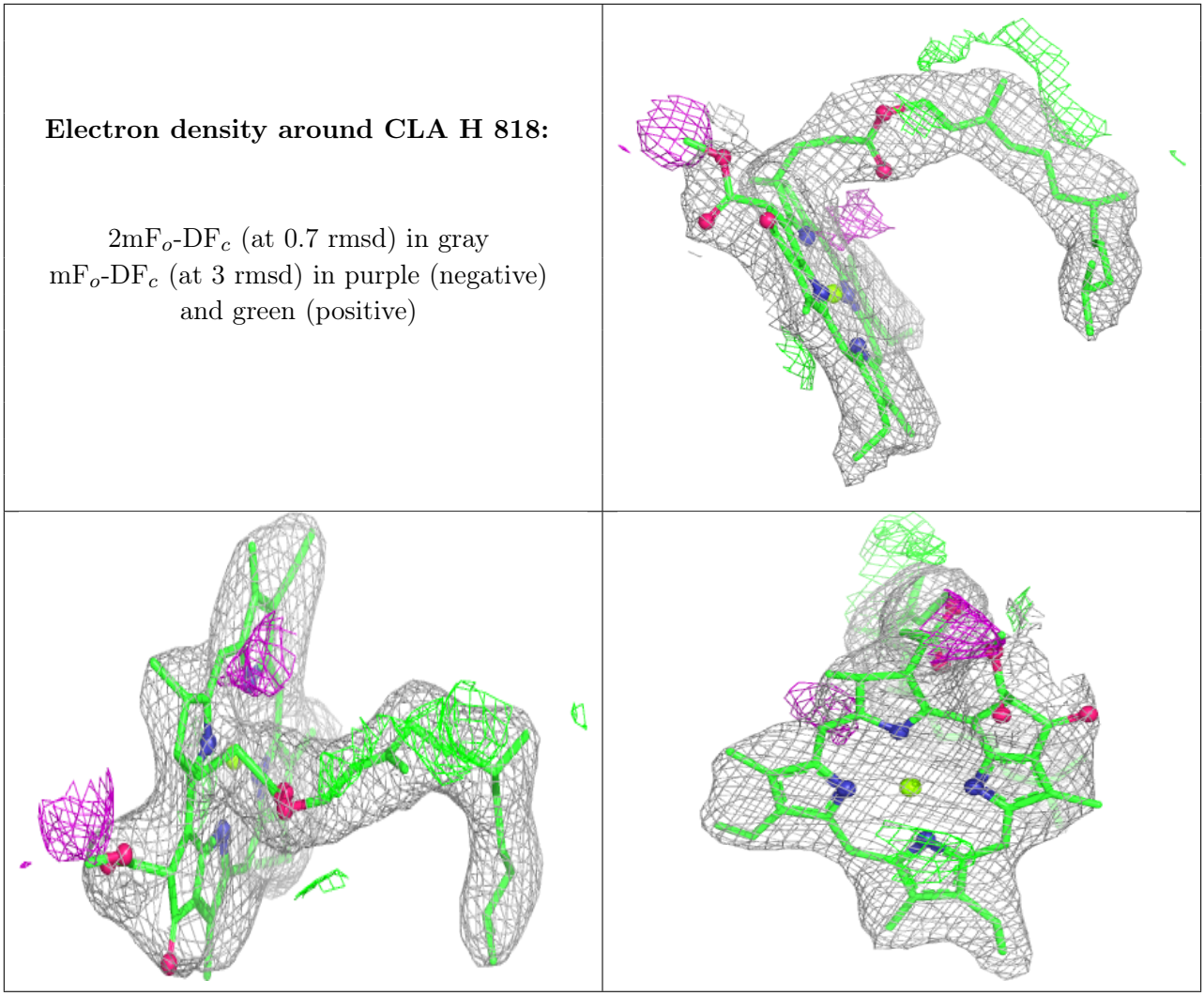






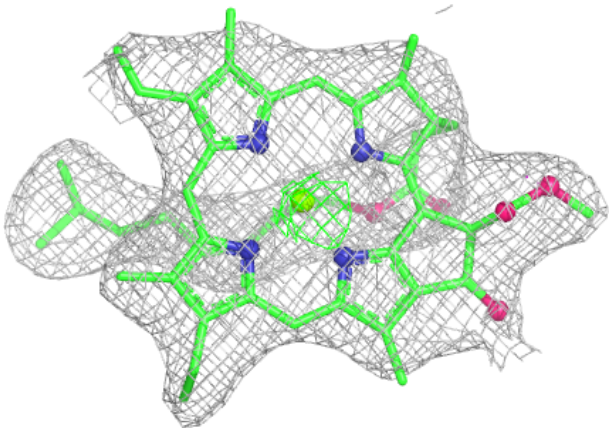
Electron density around CLA H 818:

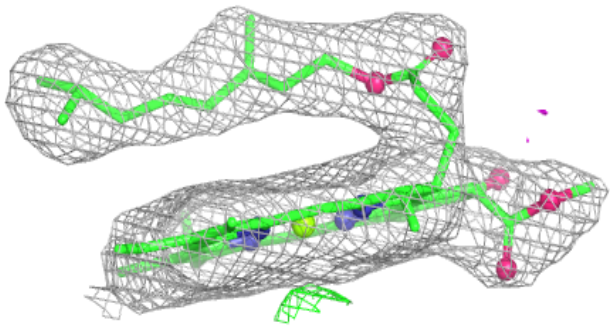
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

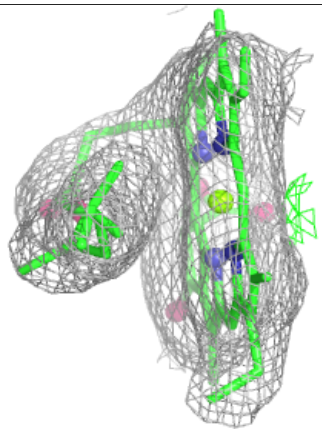


Electron density around CLA H 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

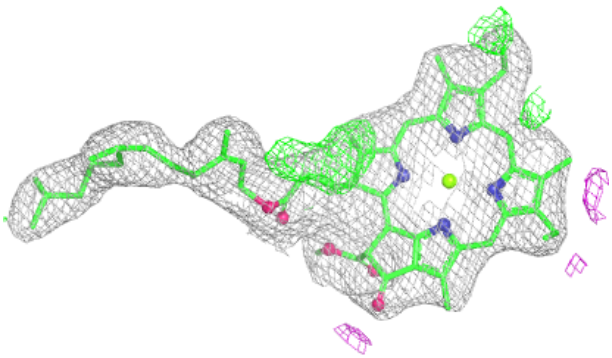


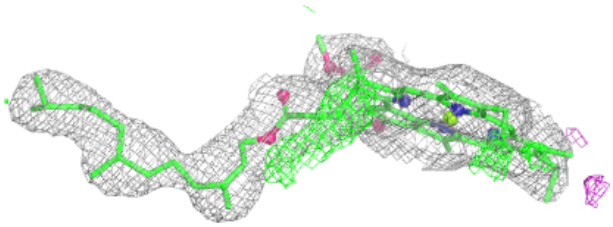


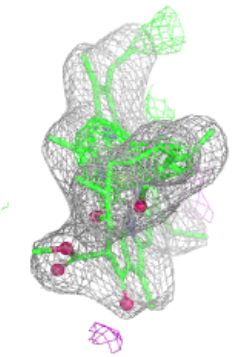


Electron density around CLA H 822:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

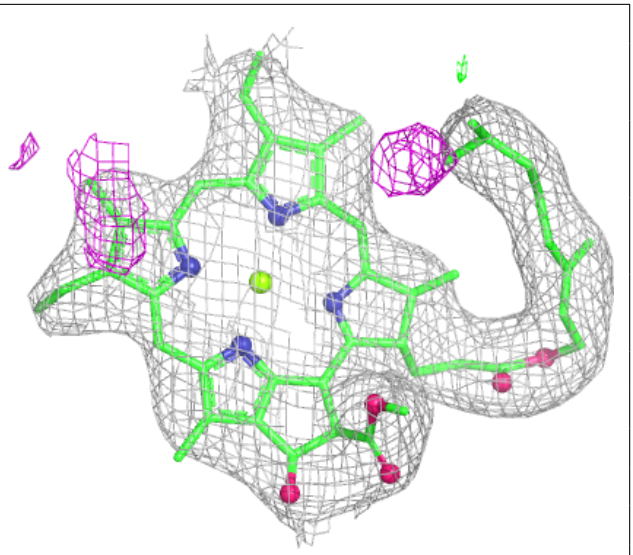


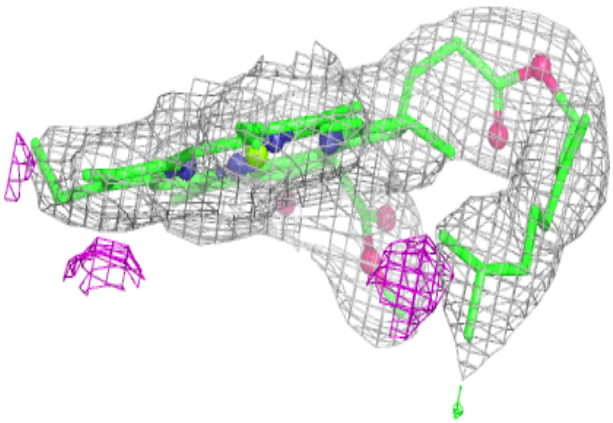




Electron density around CLA H 823:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

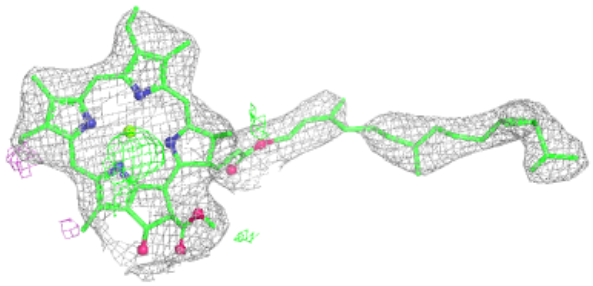


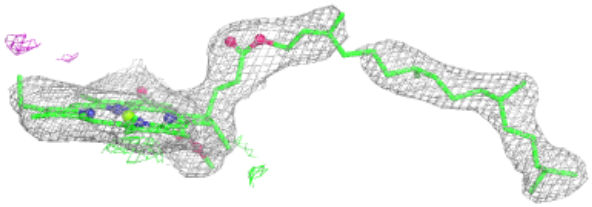


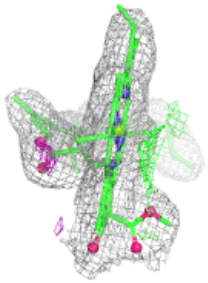


Electron density around CLA H 824:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

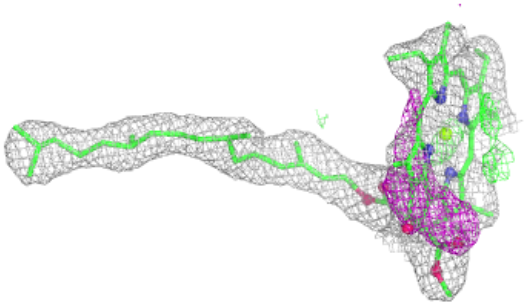


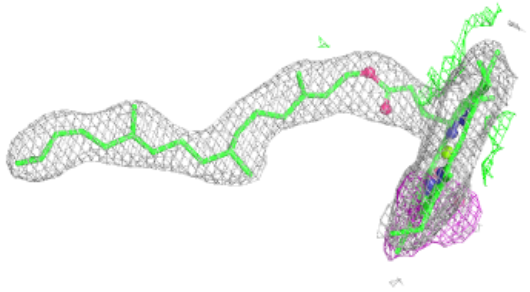


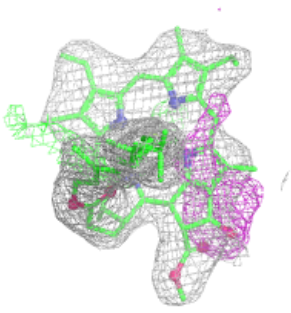


Electron density around CLA H 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

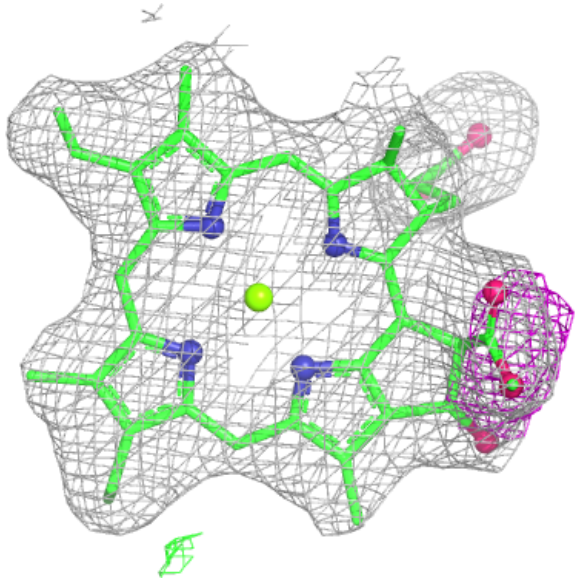


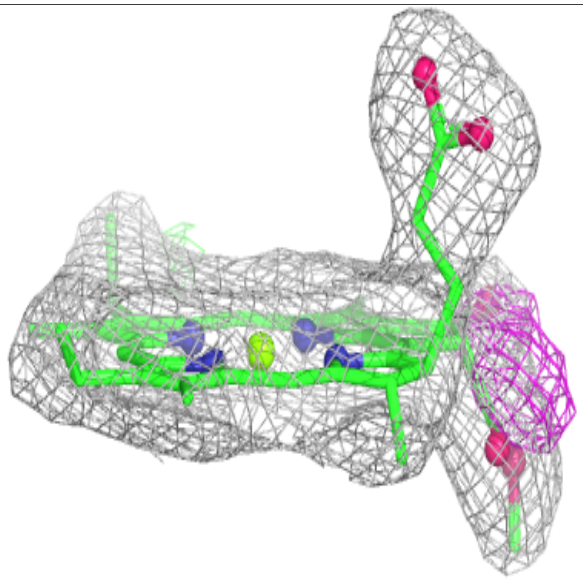


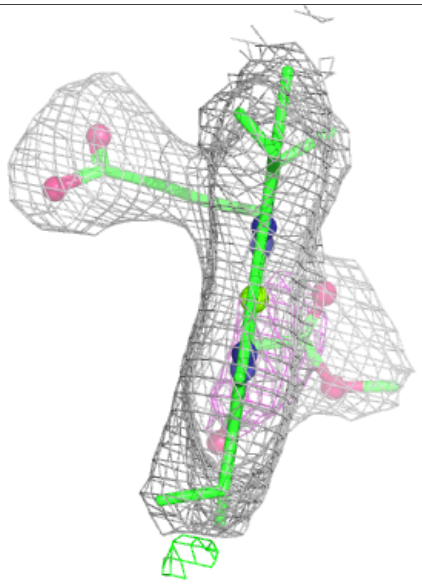


Electron density around CLA H 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

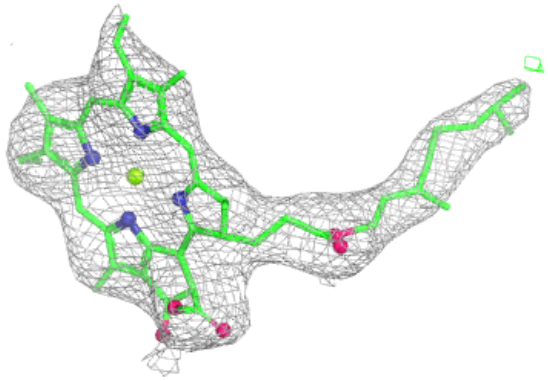


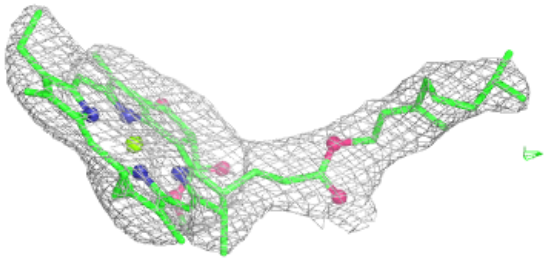


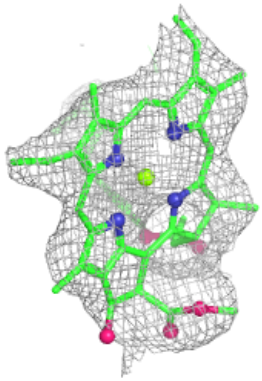


Electron density around CLA H 830:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

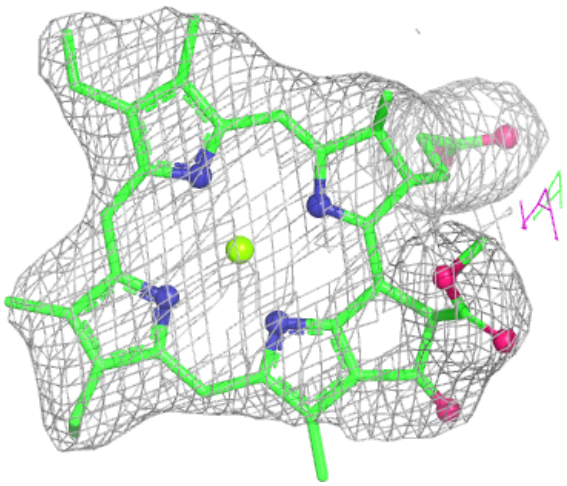


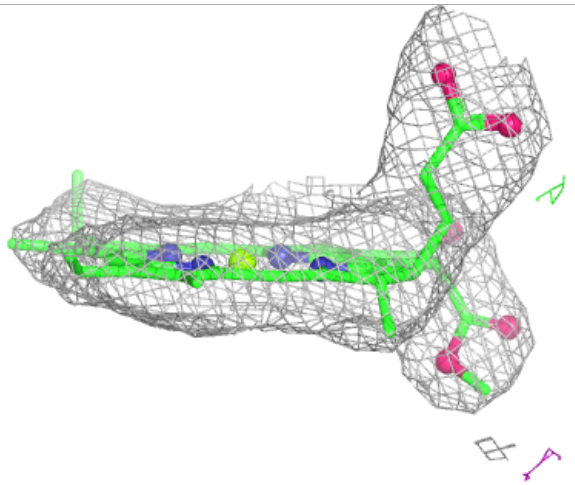


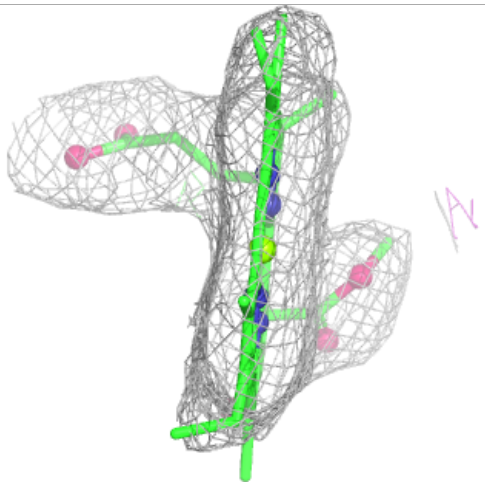


Electron density around CLA H 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

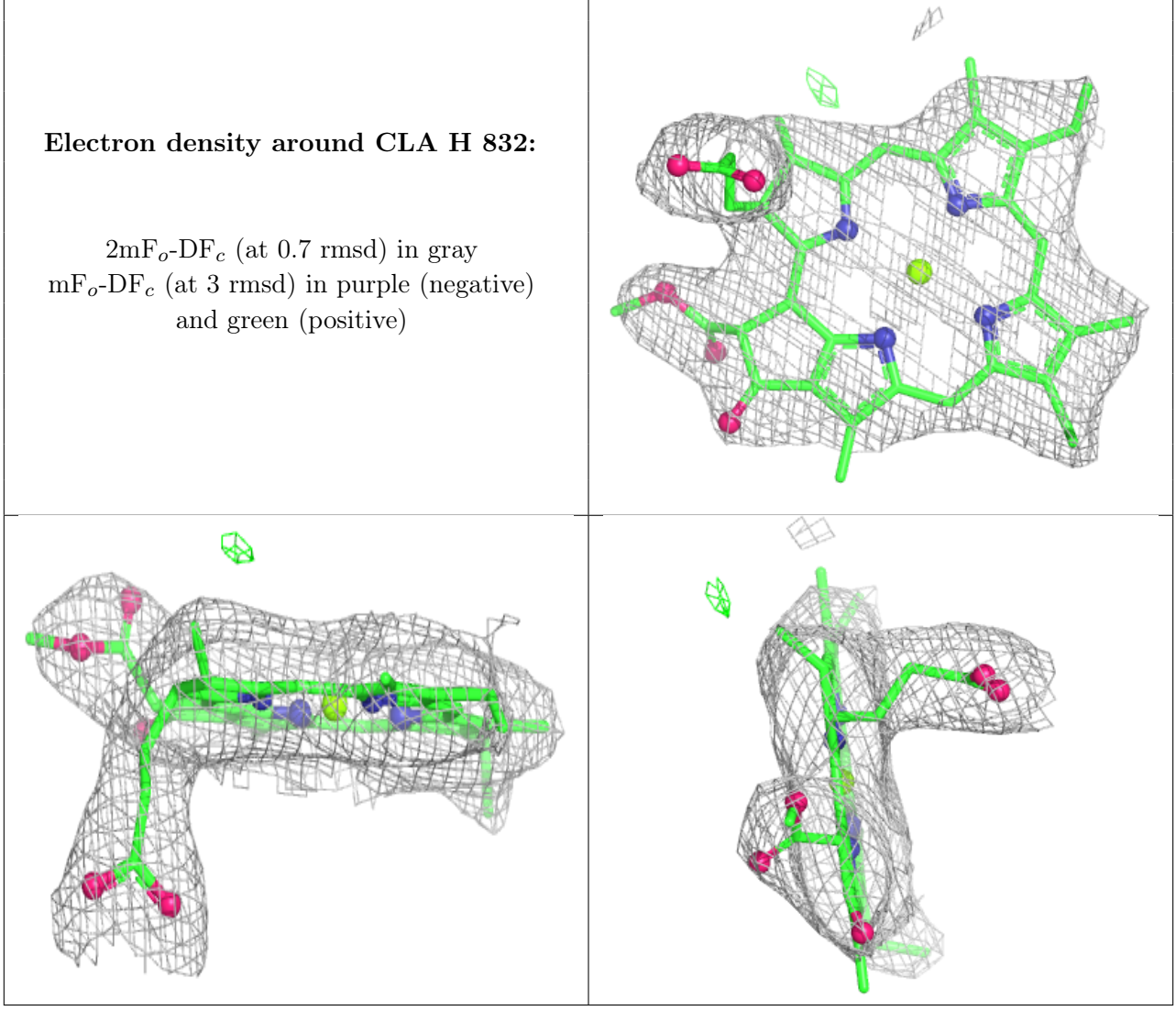






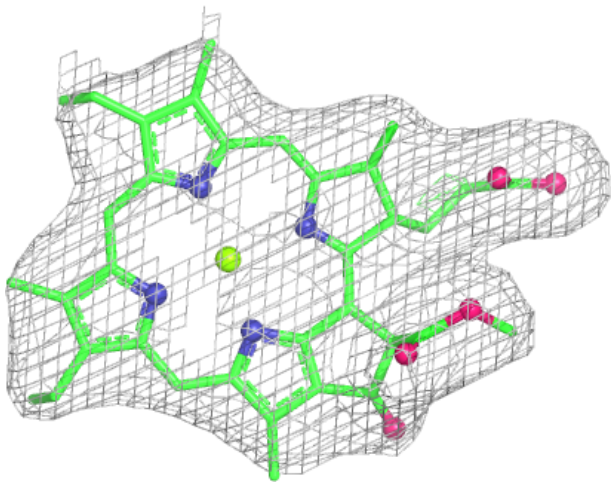
Electron density around CLA H 832:

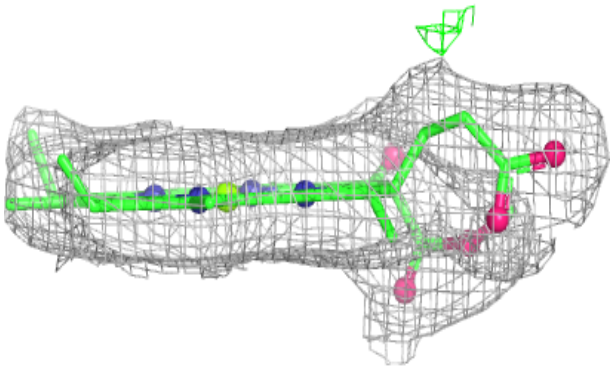
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

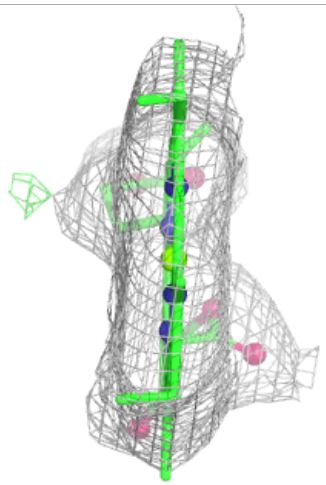


Electron density around CLA H 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

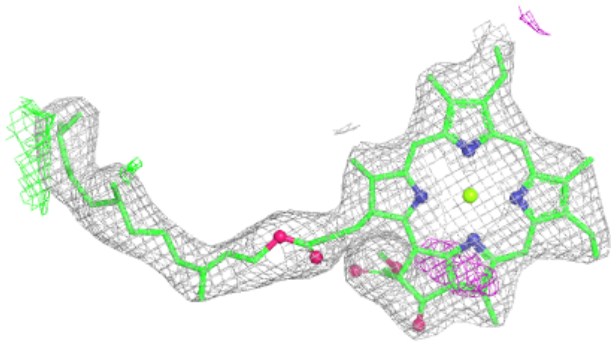


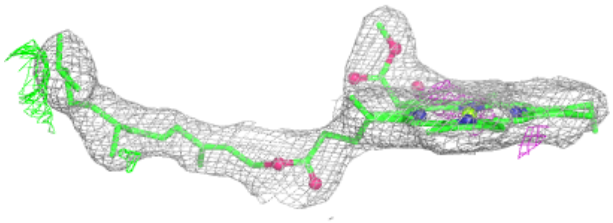


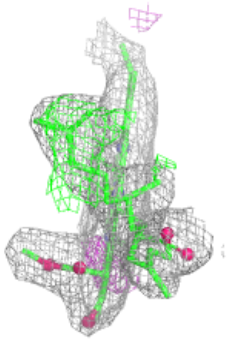


Electron density around CLA H 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

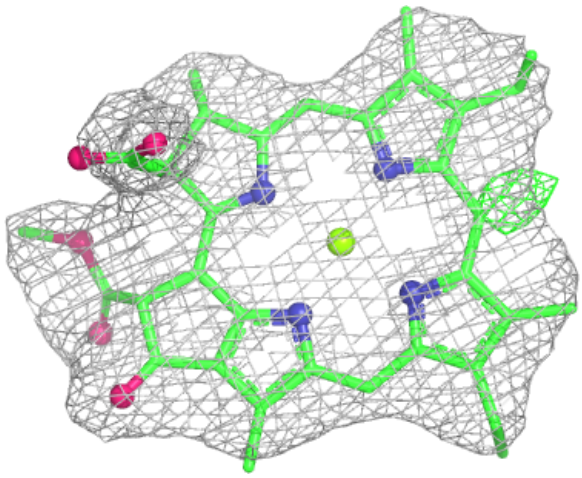


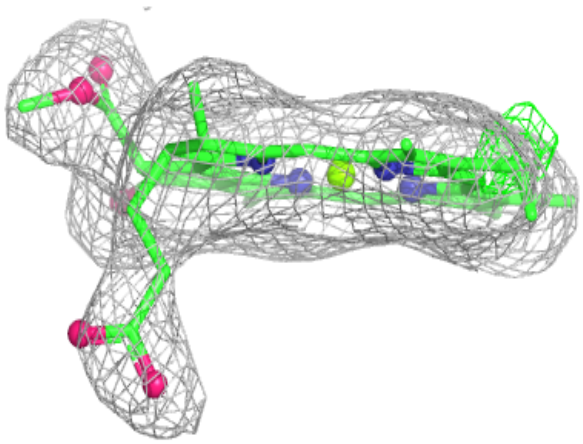


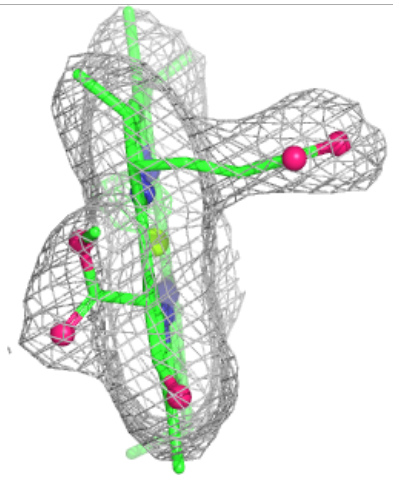


Electron density around CLA J 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

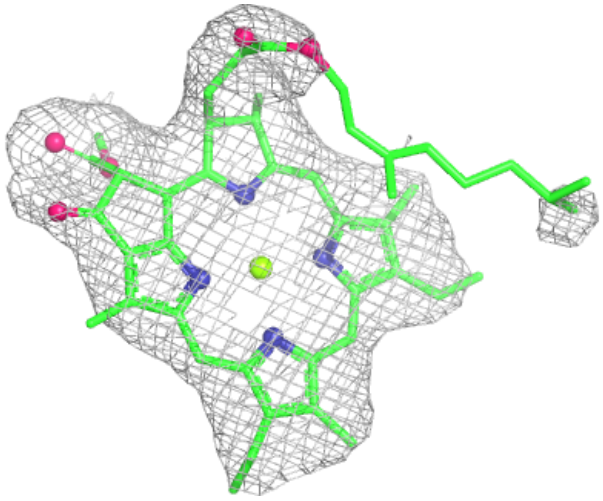


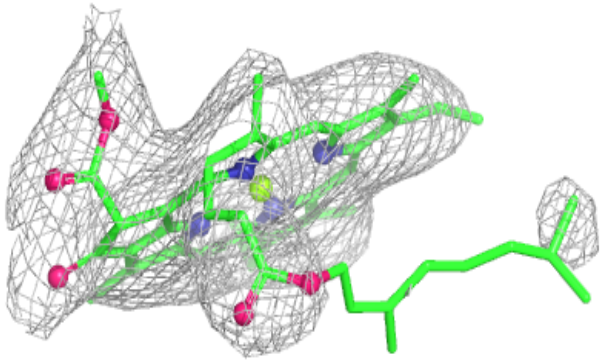


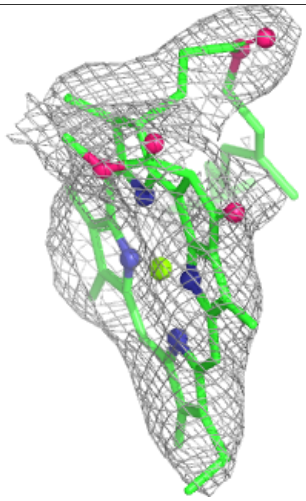


Electron density around CLA J 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

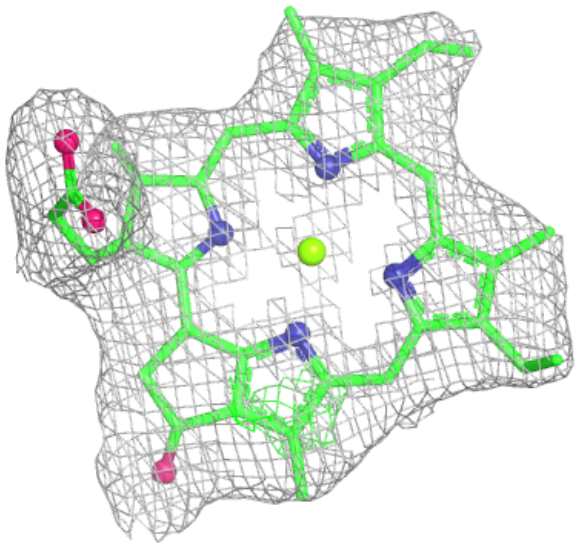


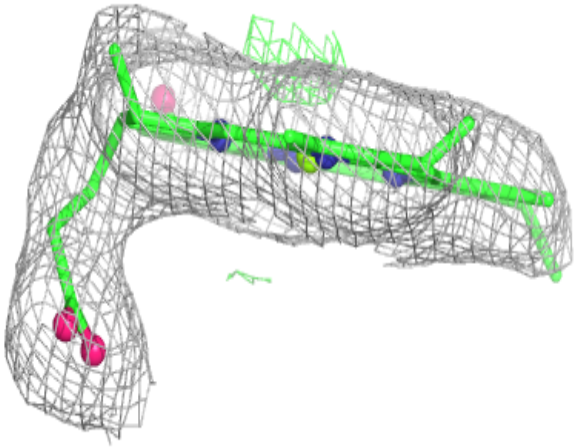


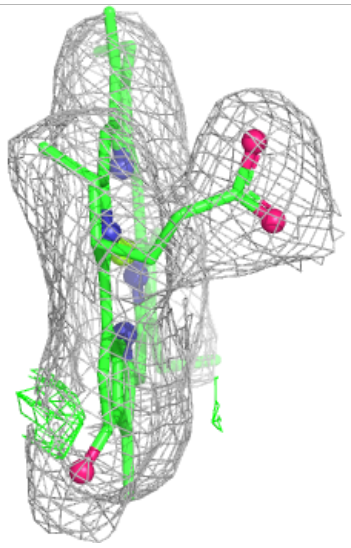


Electron density around CLA K 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

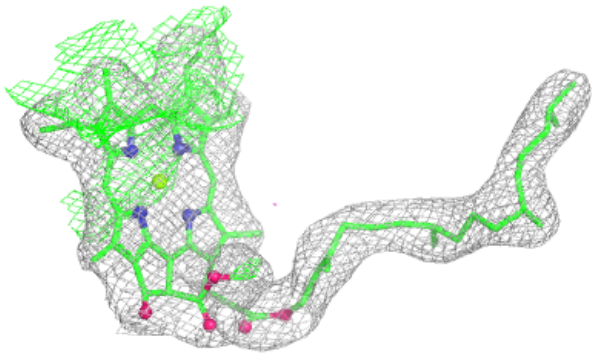


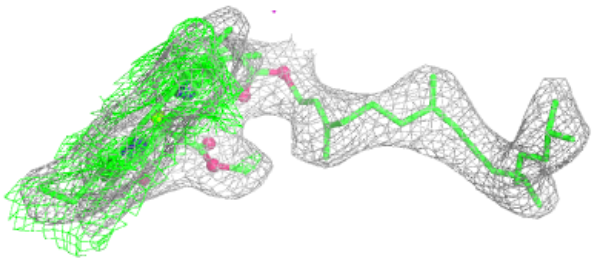


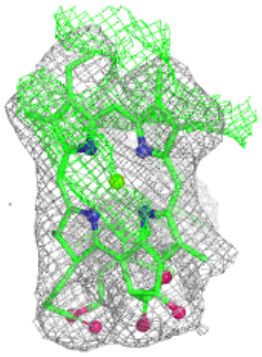


Electron density around CLA L 202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

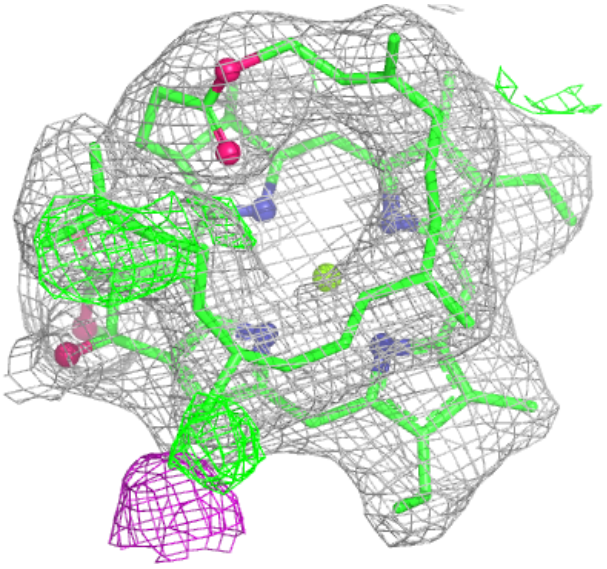


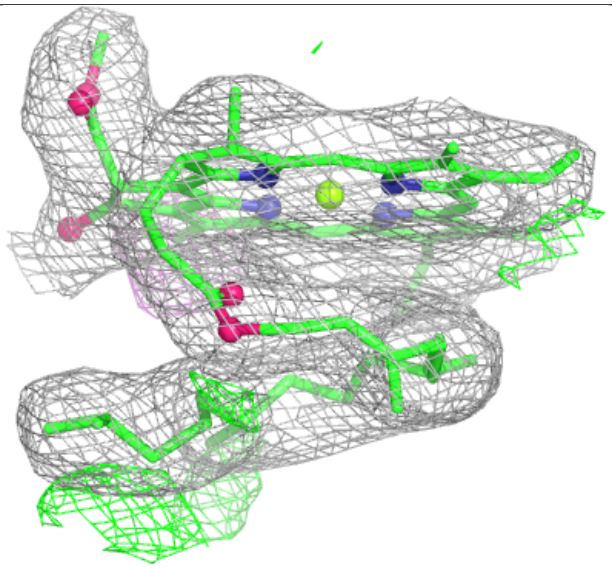


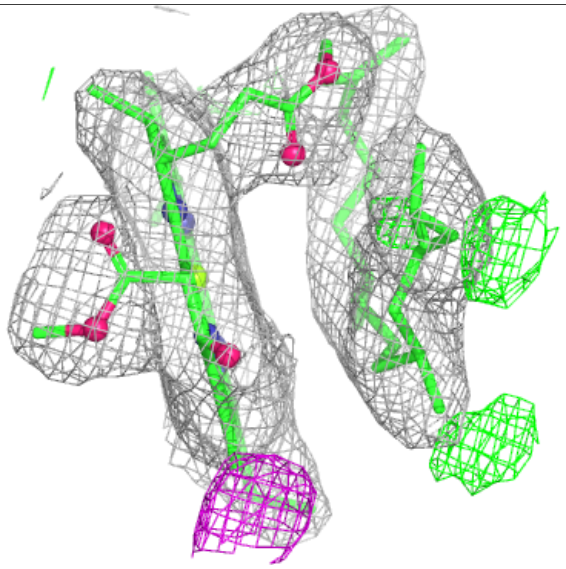


Electron density around CLA L 205:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

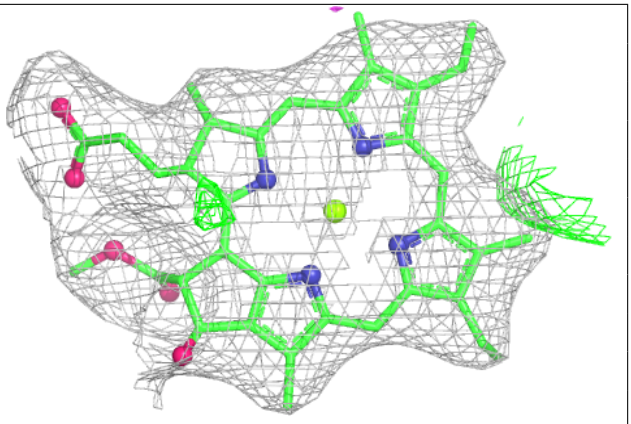


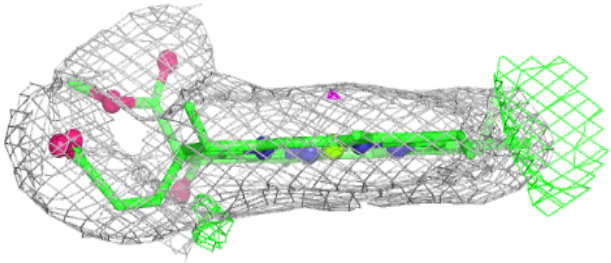


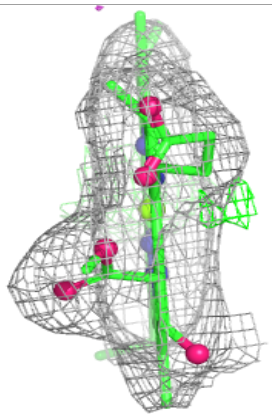


Electron density around CLA Q 203:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

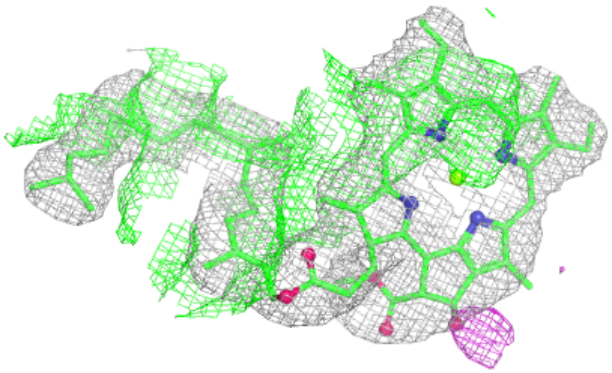


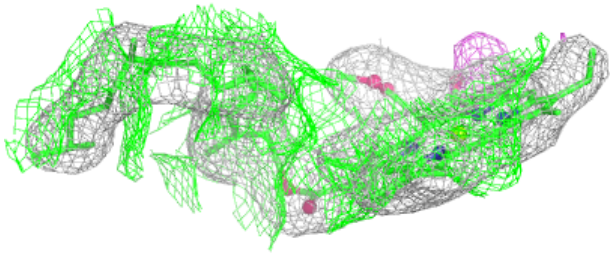


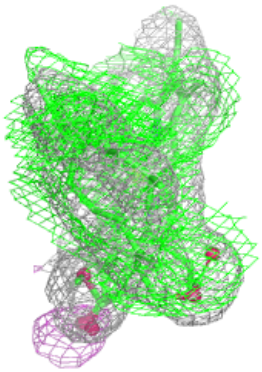


Electron density around CLA S 1101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

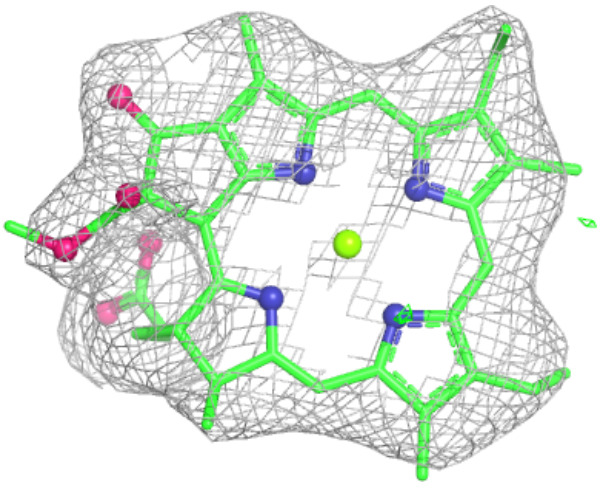


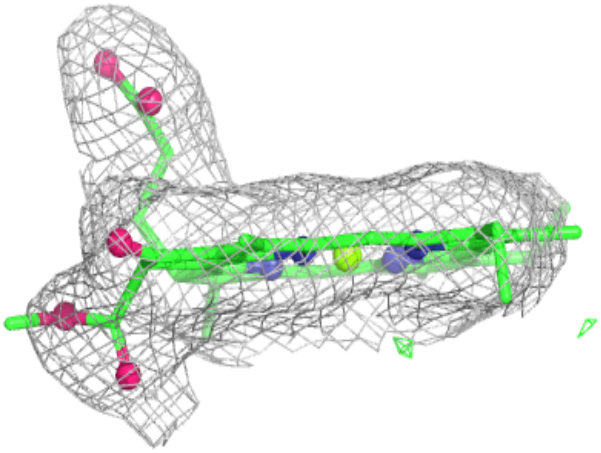


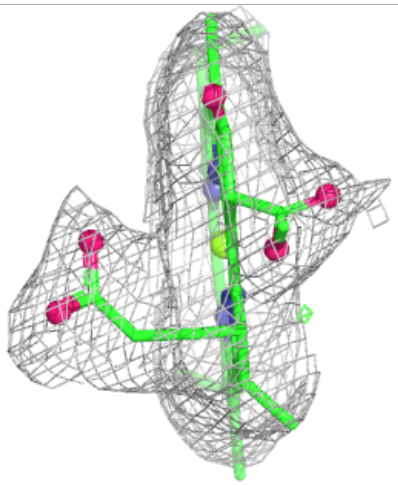


Electron density around CLA S 1102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

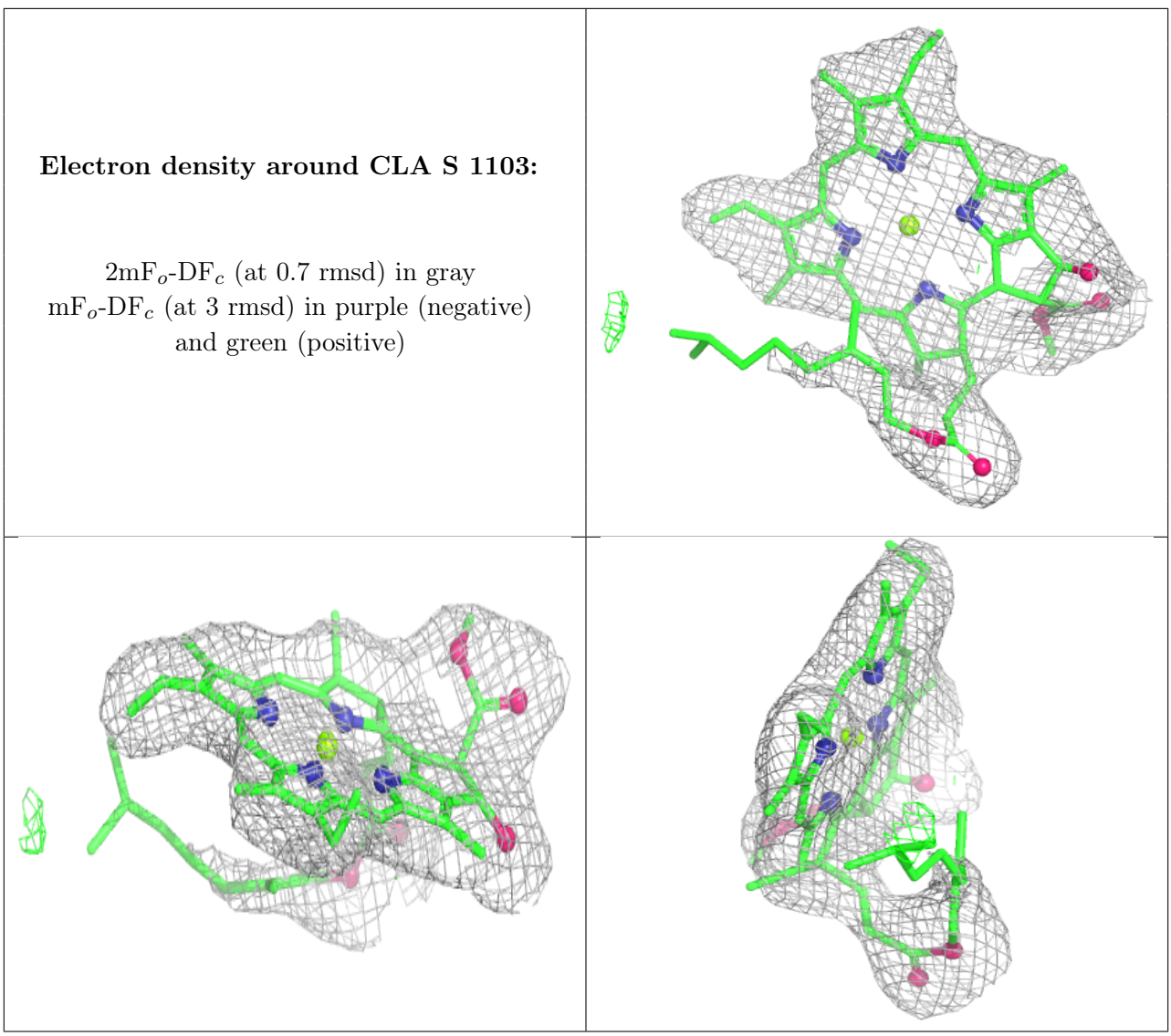






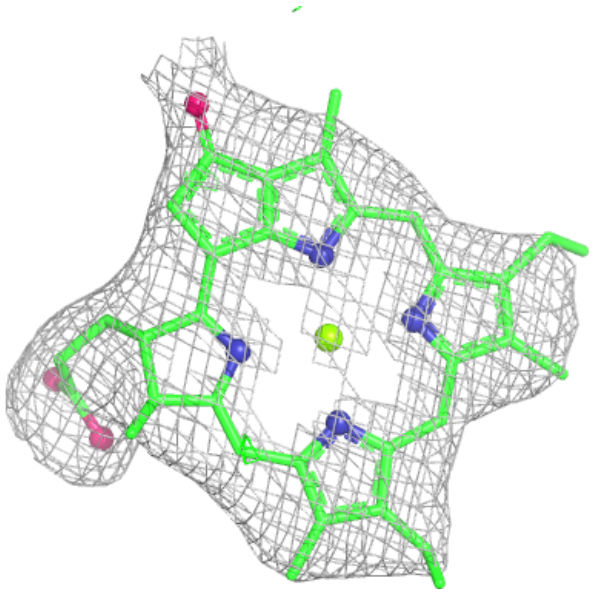
Electron density around CLA S 1103:

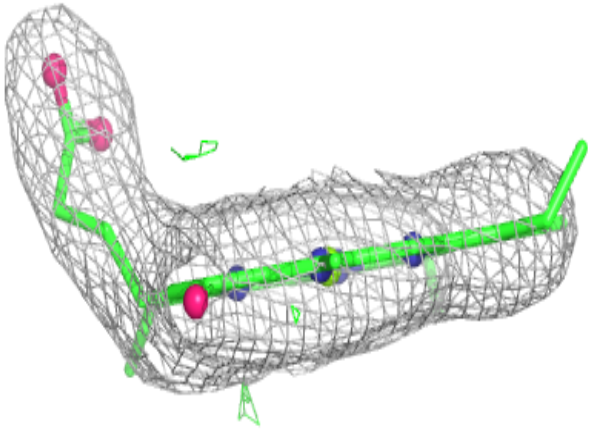
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

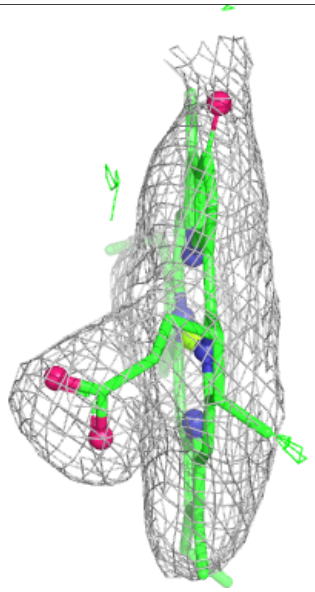


Electron density around CLA T 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

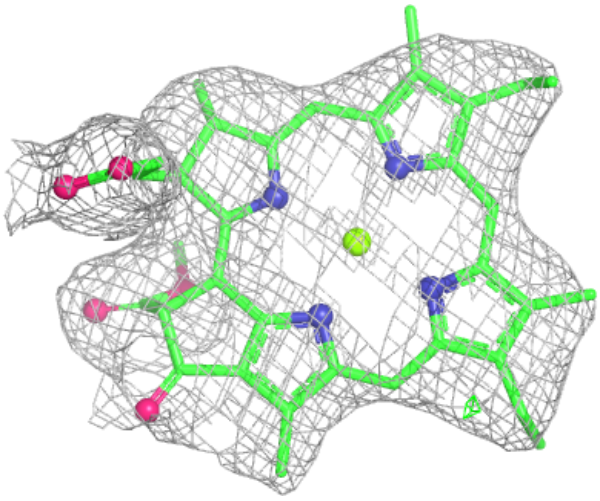


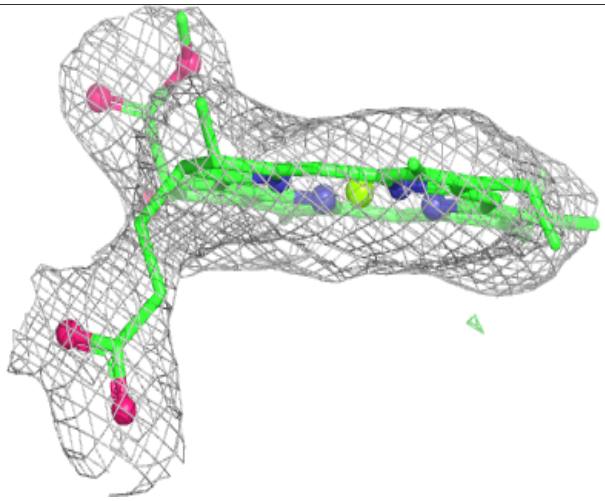


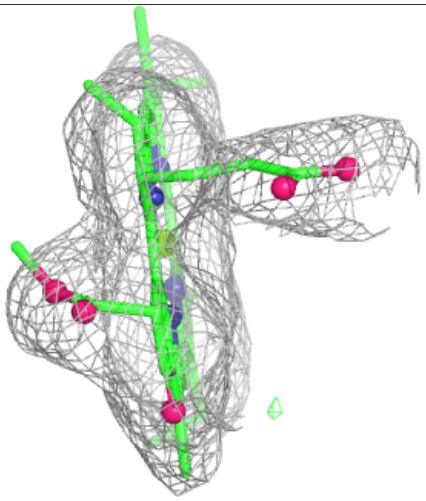


Electron density around CLA T 103:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

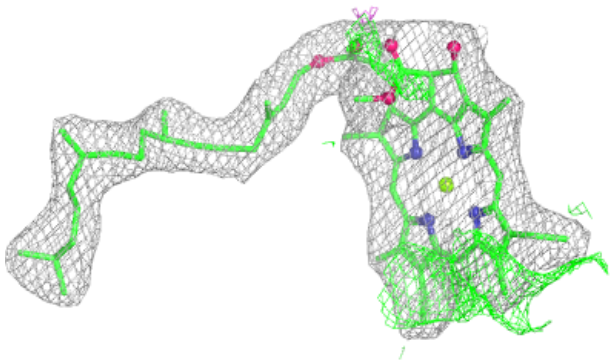


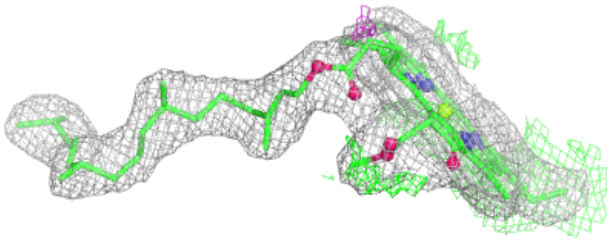


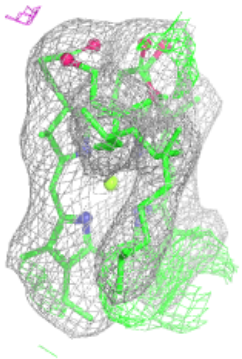


Electron density around CLA U 1006:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

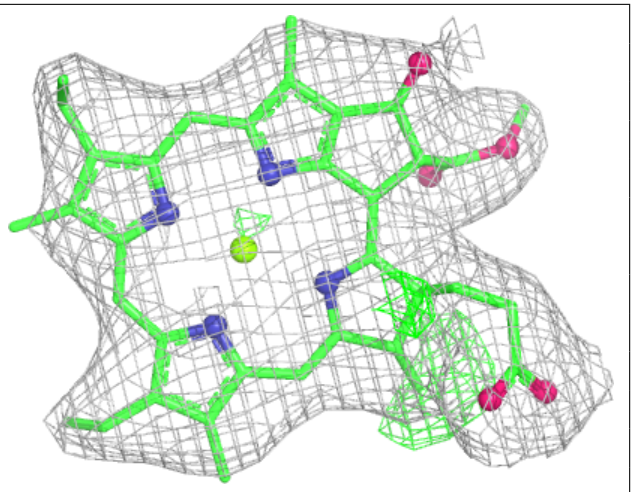


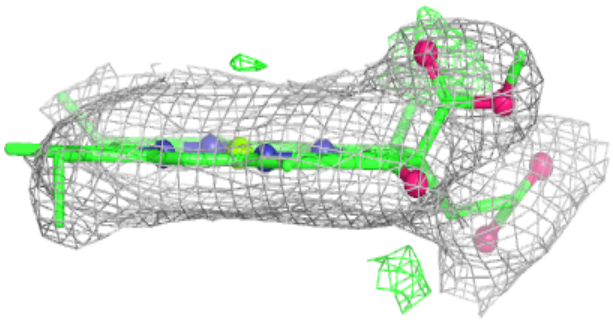


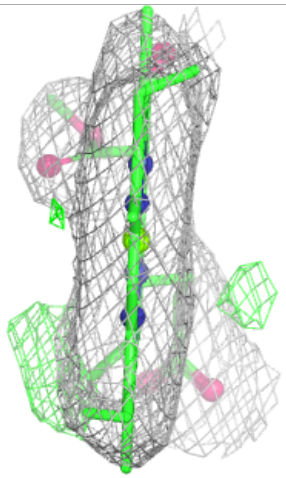


Electron density around CLA W 1701:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

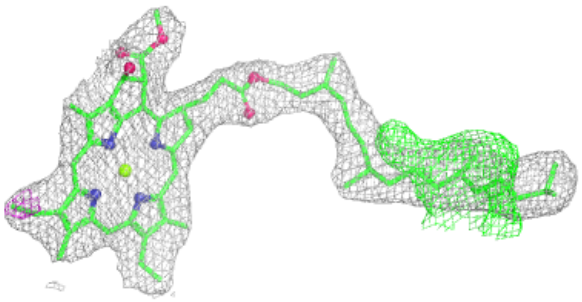


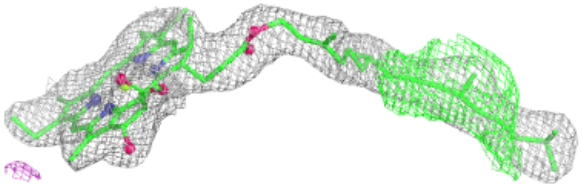


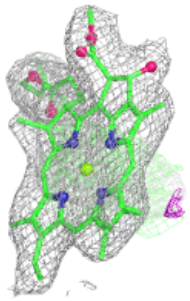


Electron density around CLA Y 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

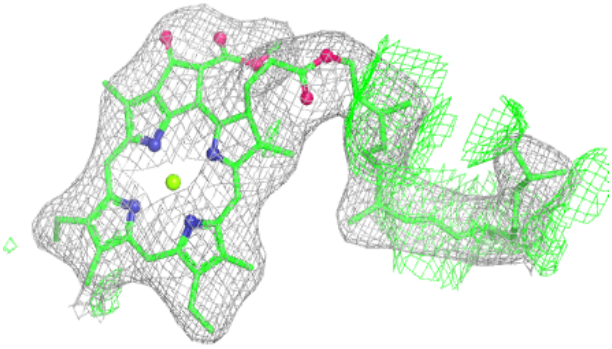


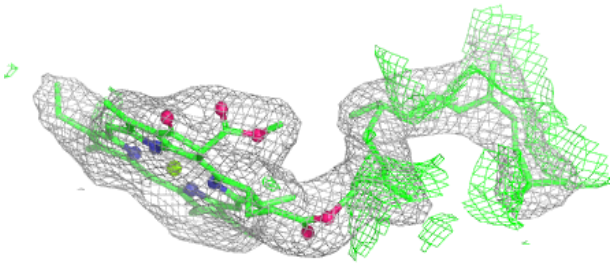


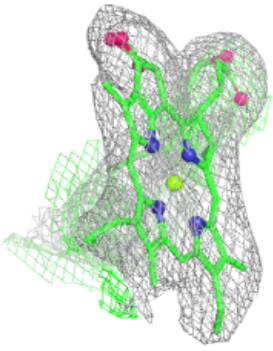


Electron density around CLA Y 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

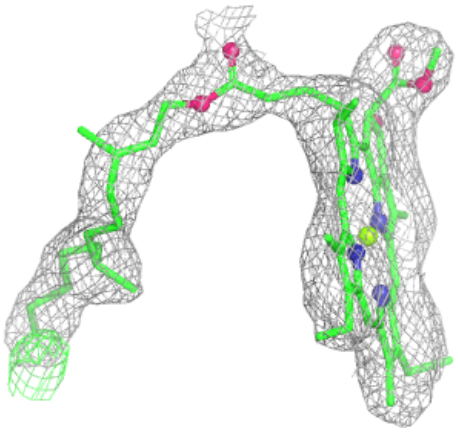


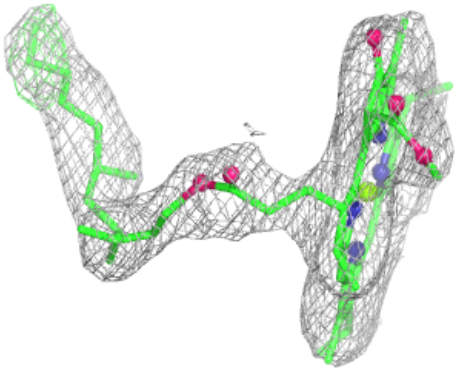


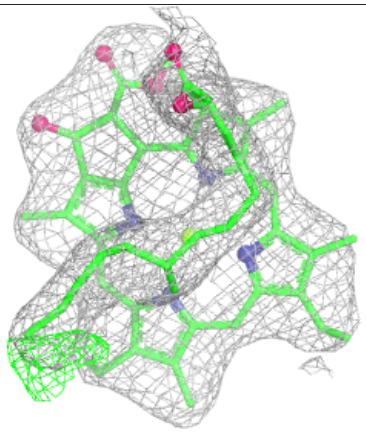


Electron density around CLA Y 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

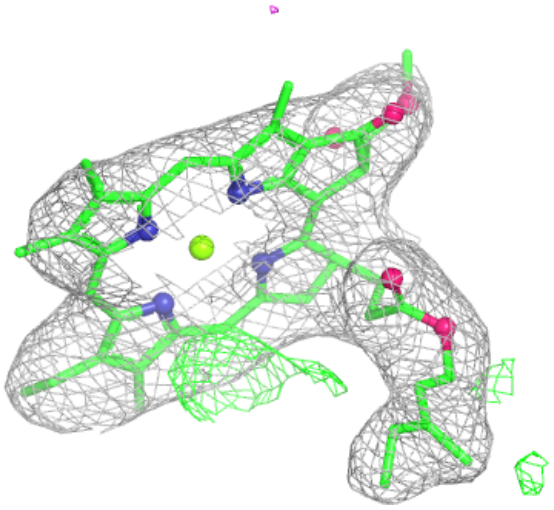


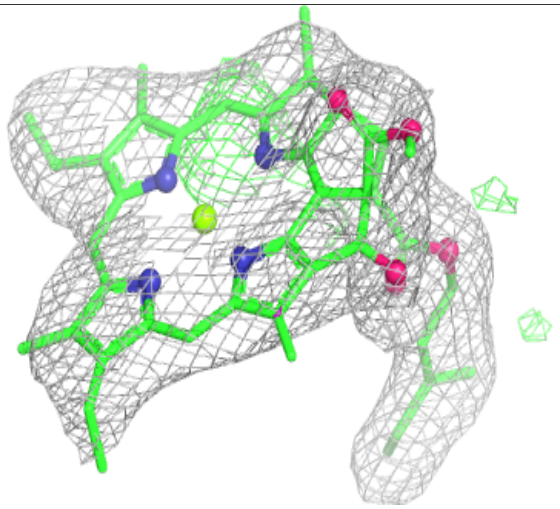


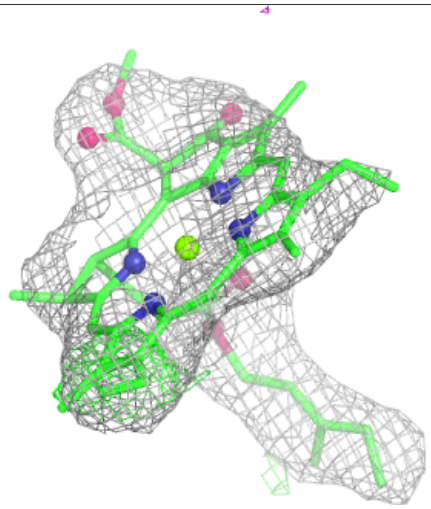


Electron density around CLA Y 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

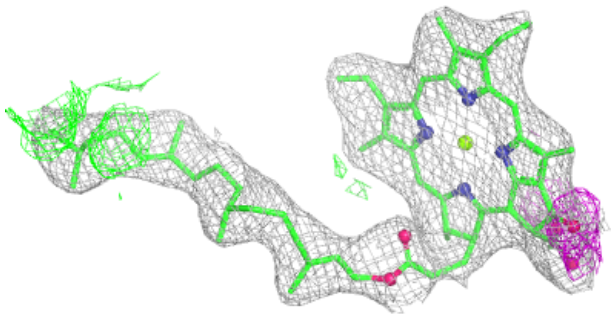


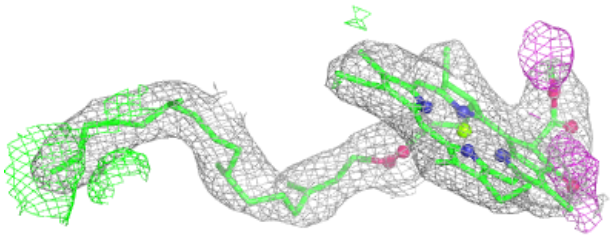


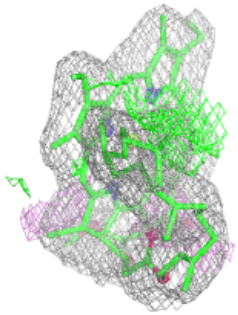


Electron density around CLA Y 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

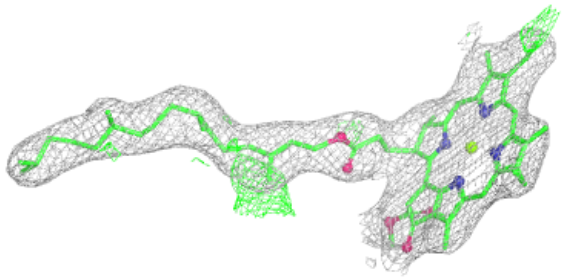


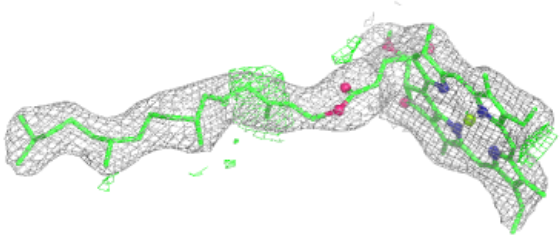


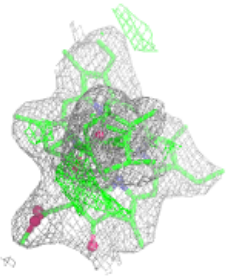


Electron density around CLA Y 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

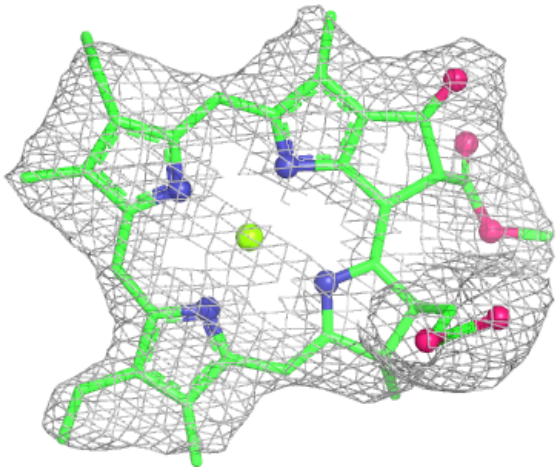


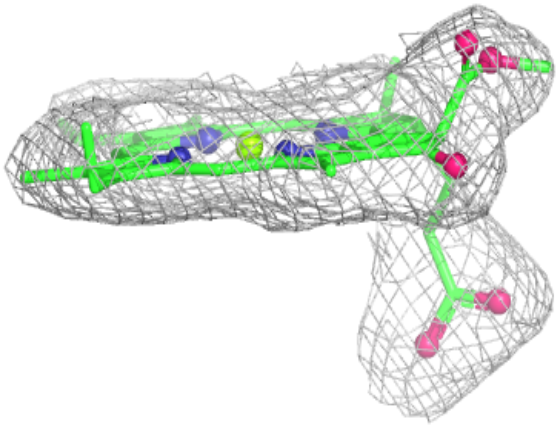


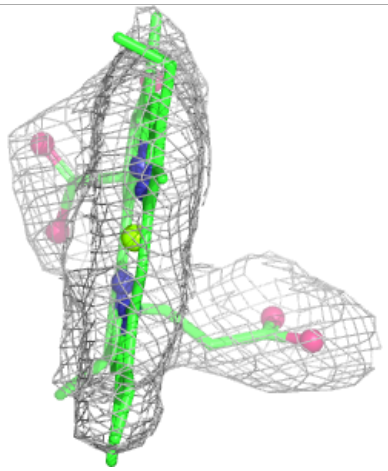


Electron density around CLA Y 810:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

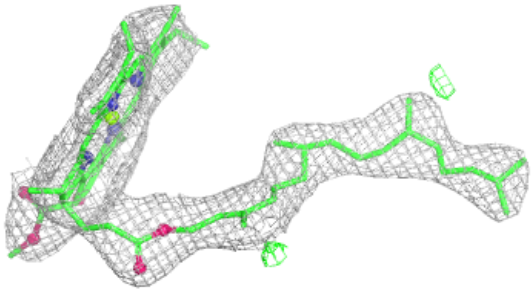


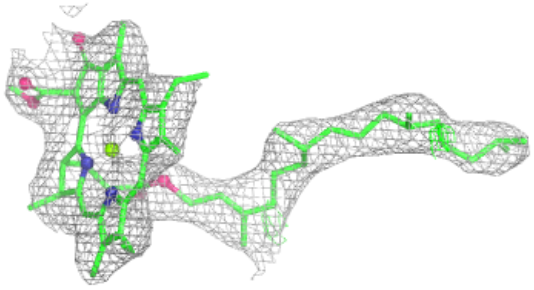


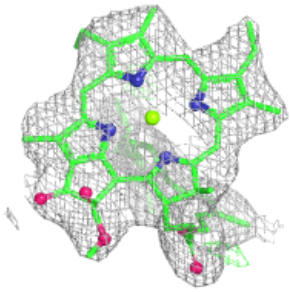


Electron density around CLA Y 811:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

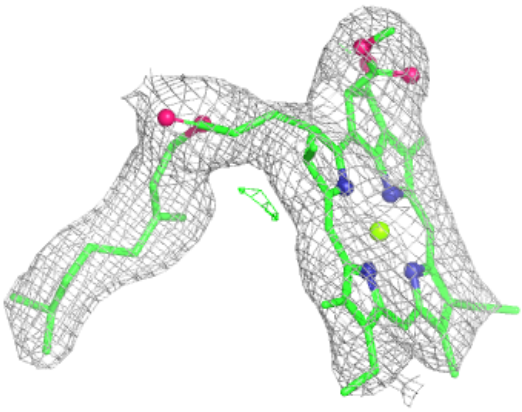


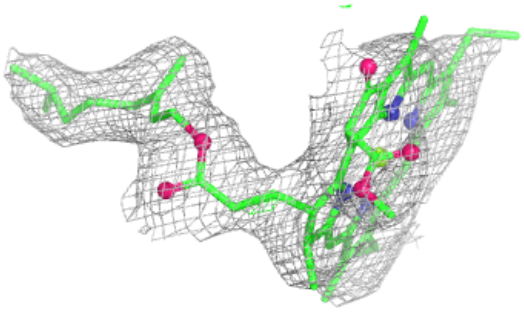


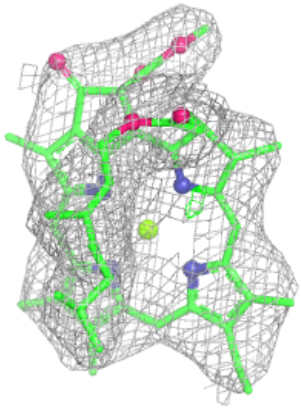


Electron density around CLA Y 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

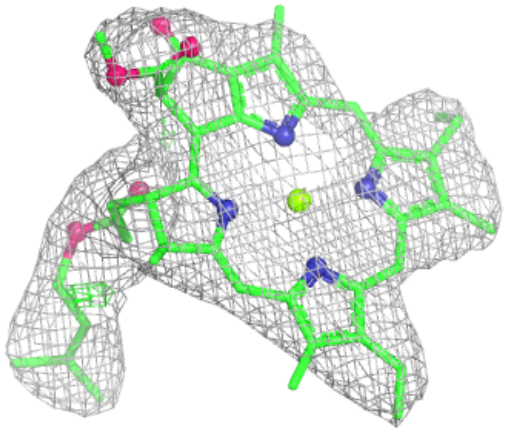


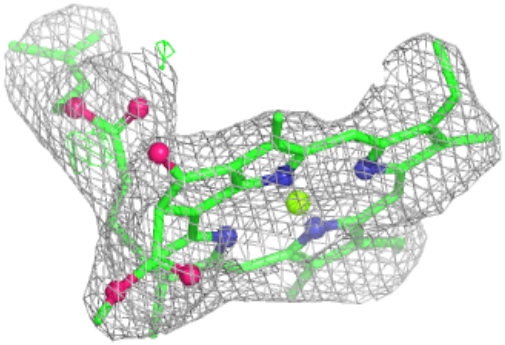


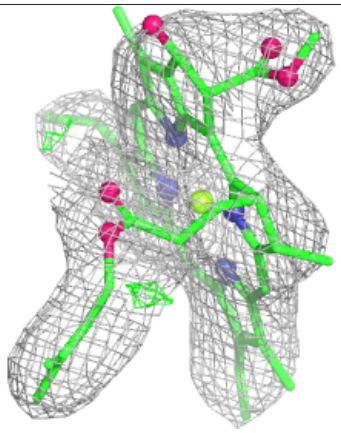


Electron density around CLA Y 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

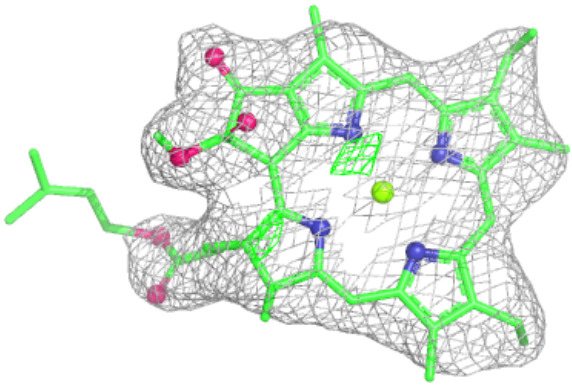


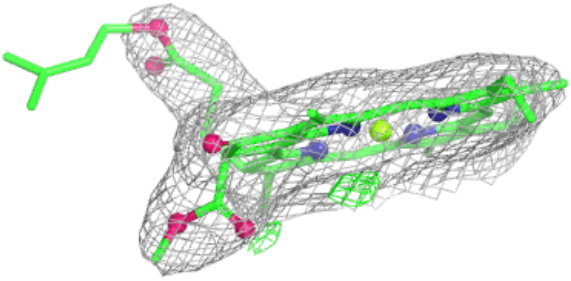


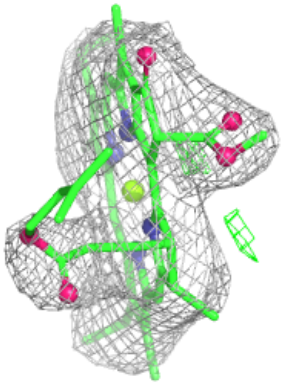


Electron density around CLA Y 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

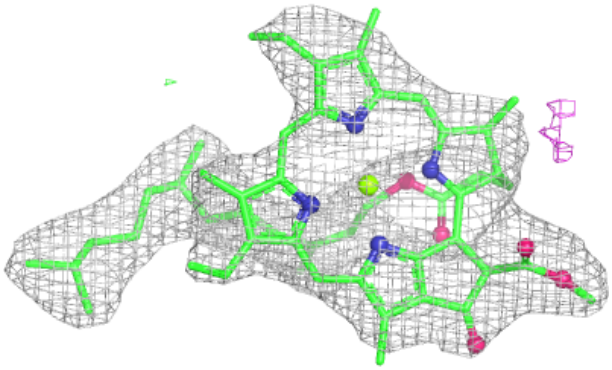


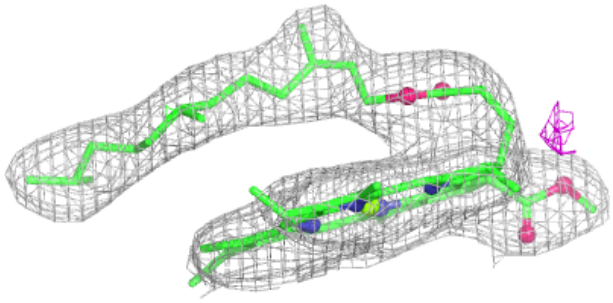


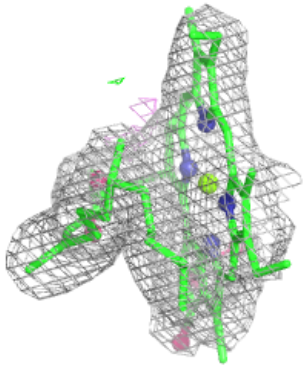


Electron density around CLA Y 817:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

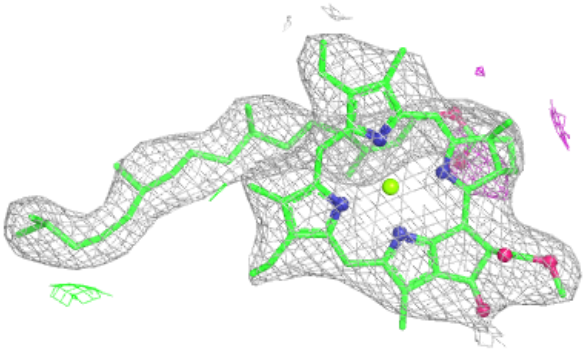


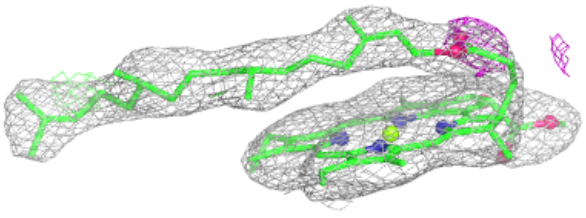


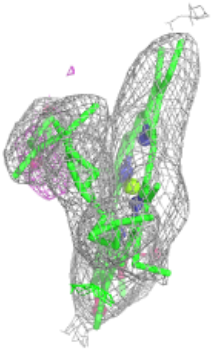


Electron density around CLA Y 818:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

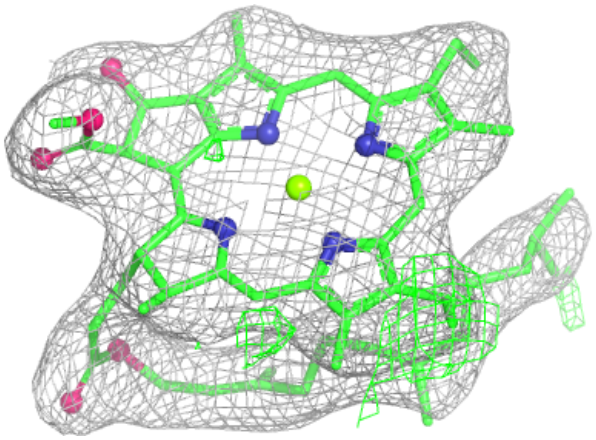


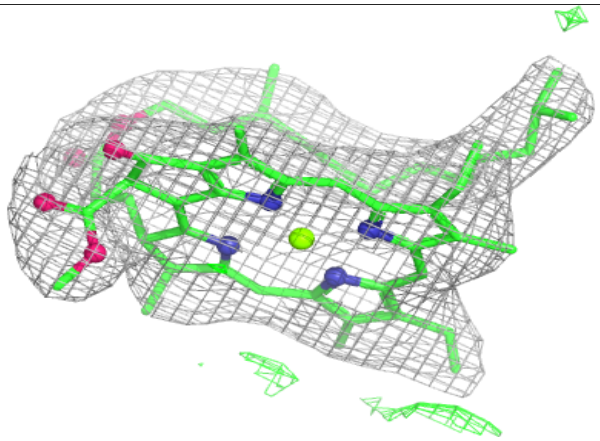


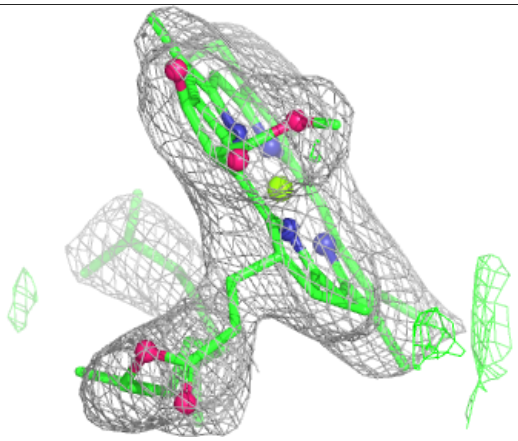


Electron density around CLA Y 820:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

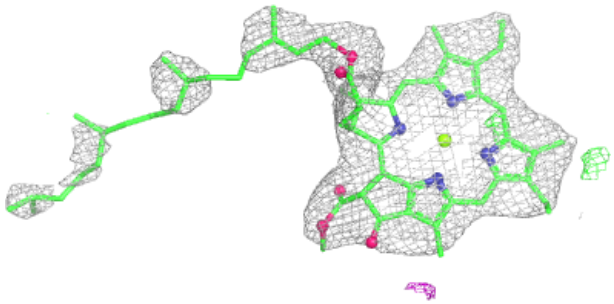


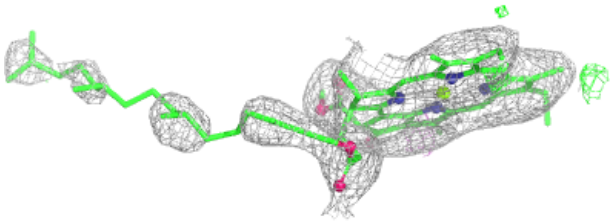


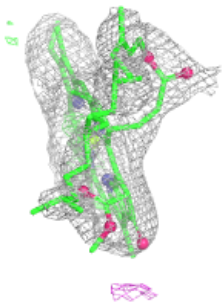


Electron density around CLA Y 822:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

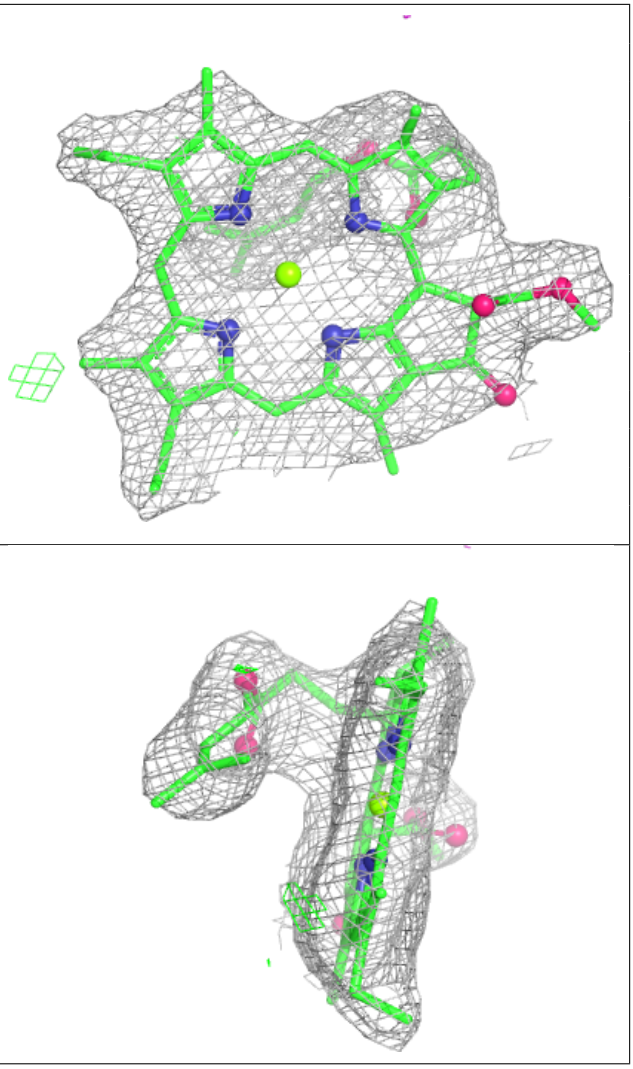






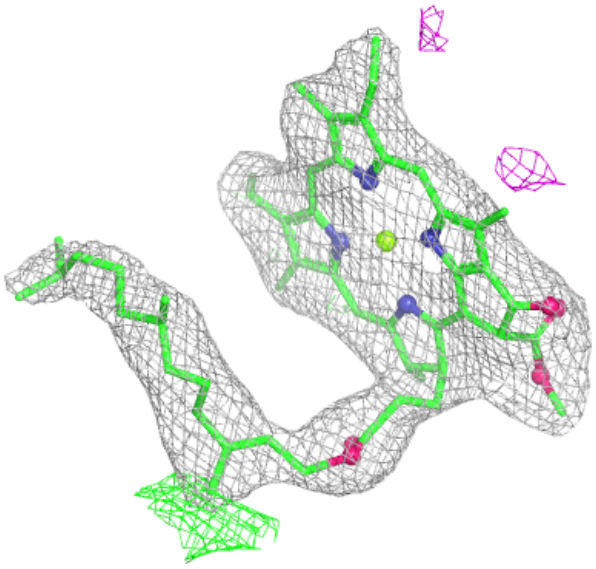
Electron density around CLA Y 823:

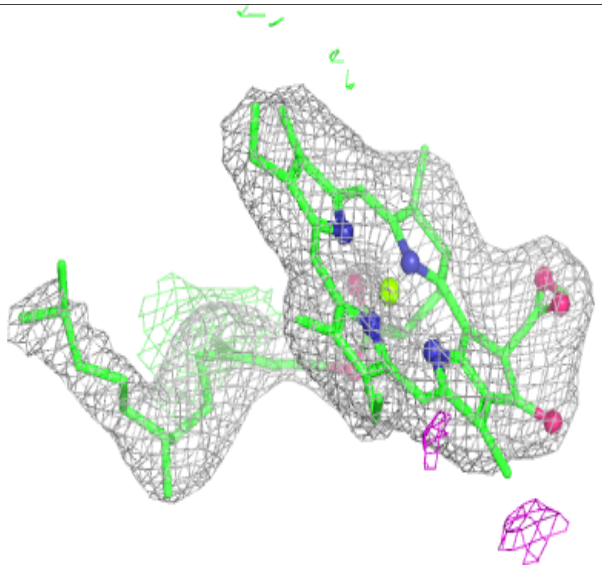
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

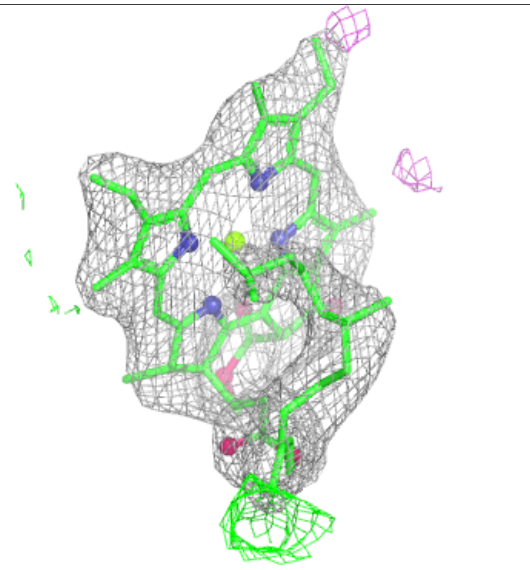


Electron density around CLA Y 824:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

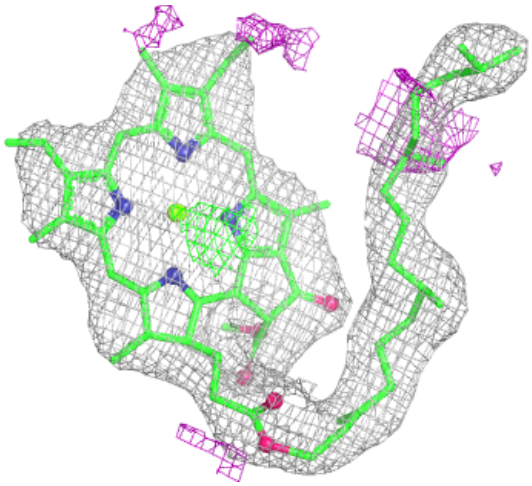


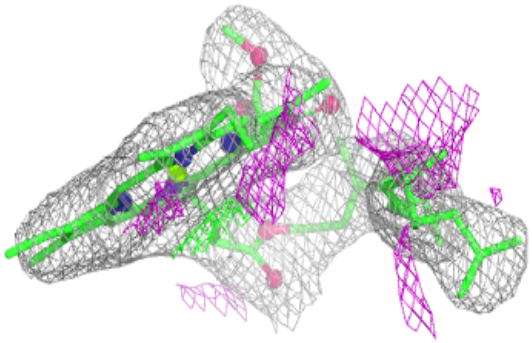


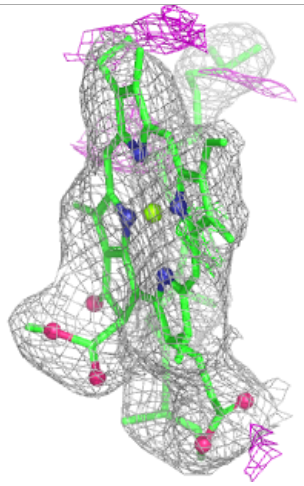


Electron density around CLA Y 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

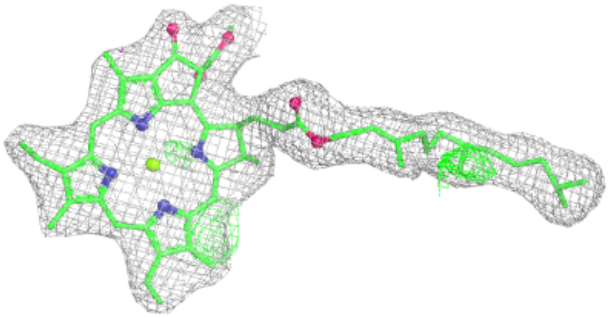


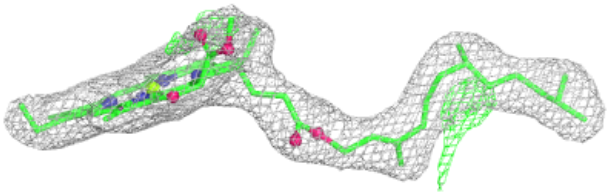


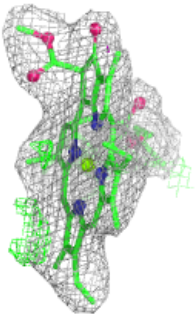


Electron density around CLA Y 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

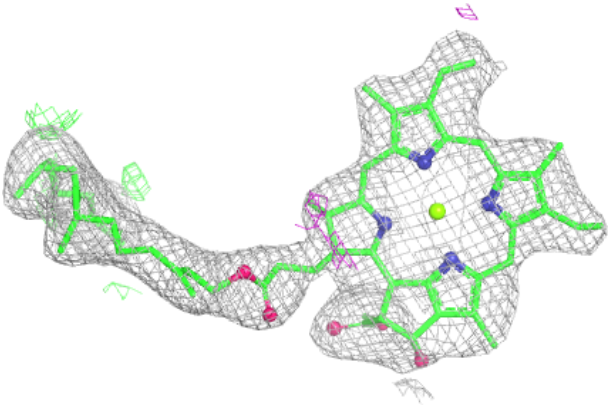


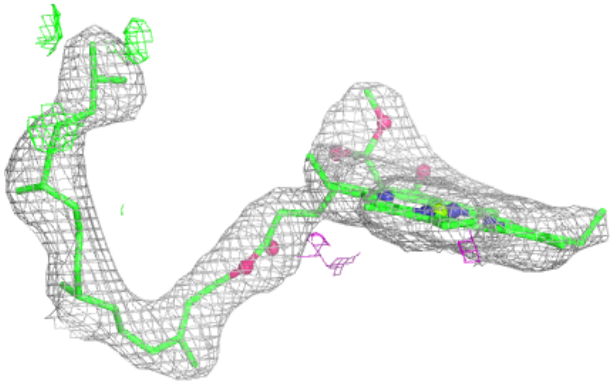


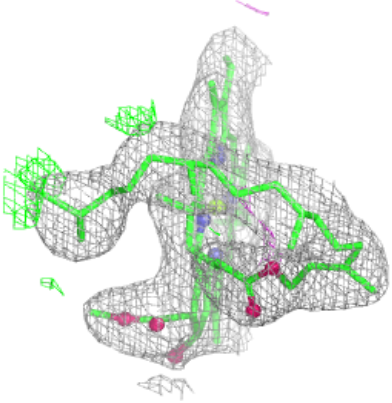


Electron density around CLA Y 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

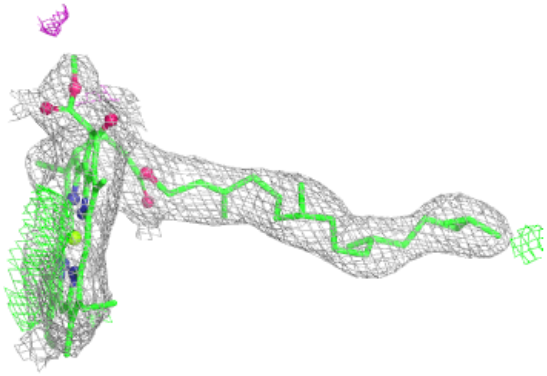


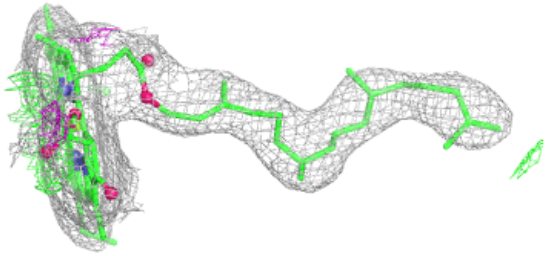


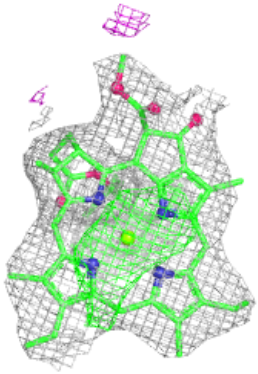


Electron density around CLA Y 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

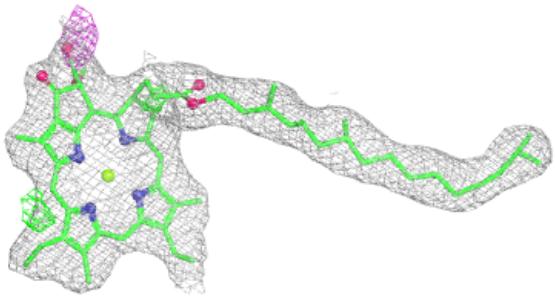


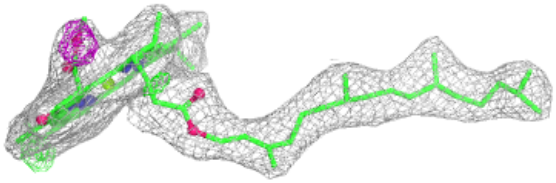


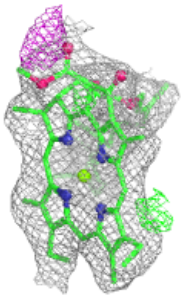


Electron density around CLA Y 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

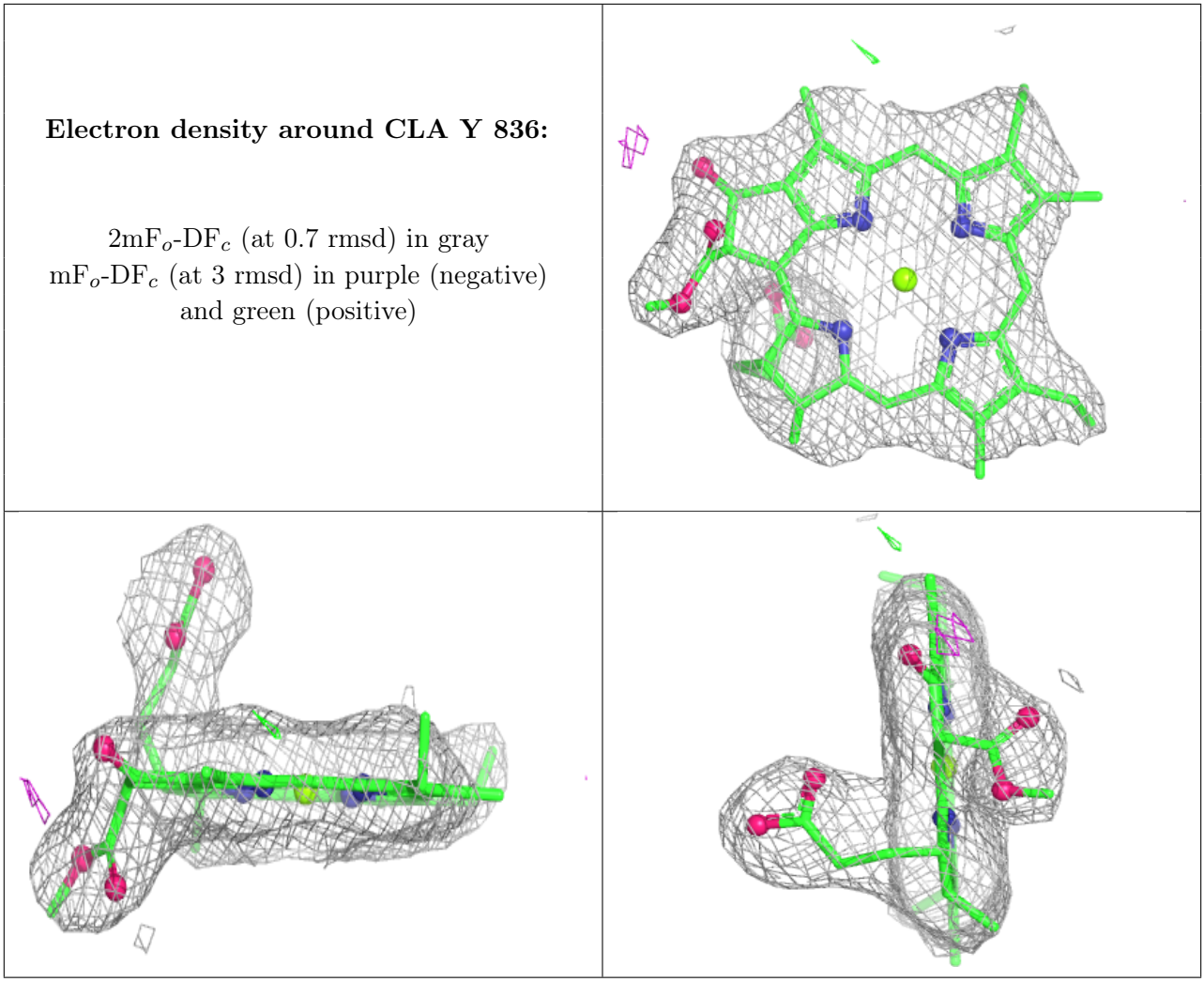






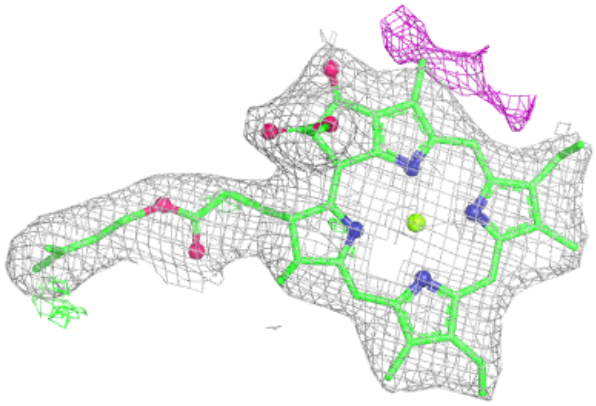
Electron density around CLA Y 836:

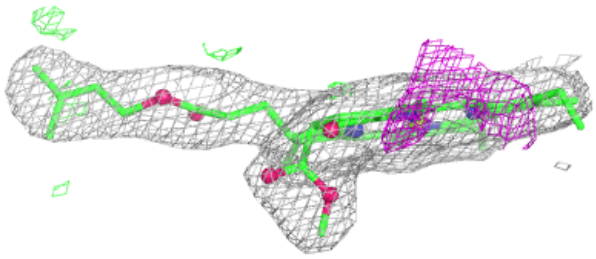
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

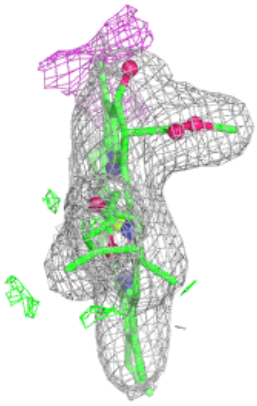


Electron density around CLA Y 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

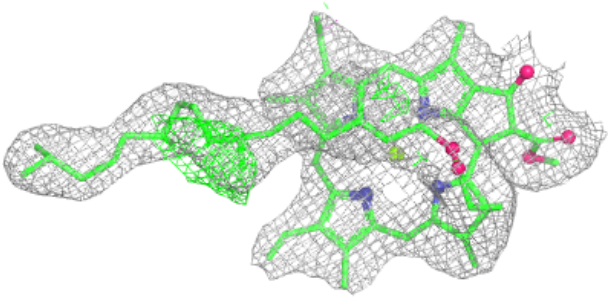


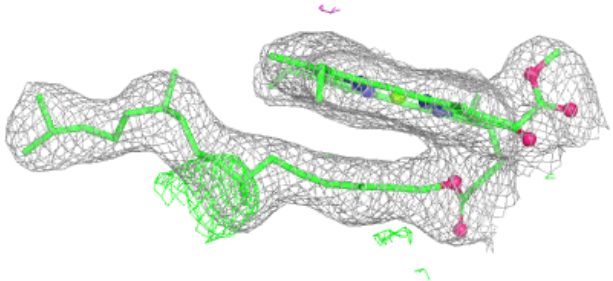


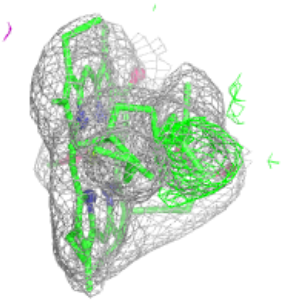


Electron density around CLA Y 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

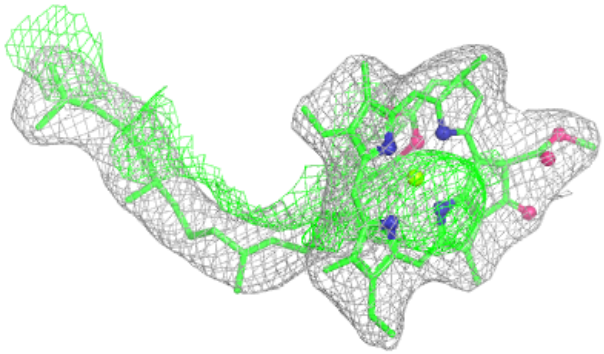


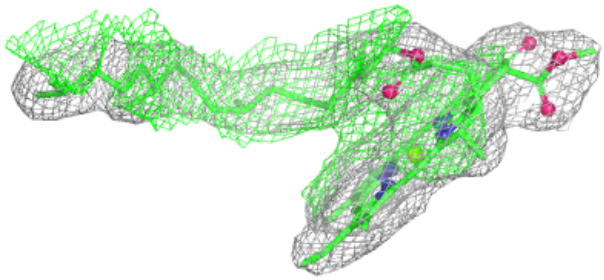


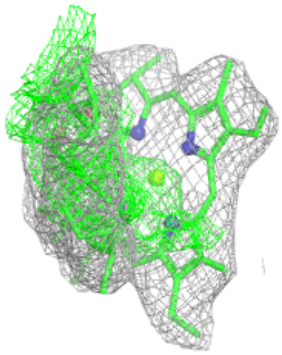


Electron density around CLA Y 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

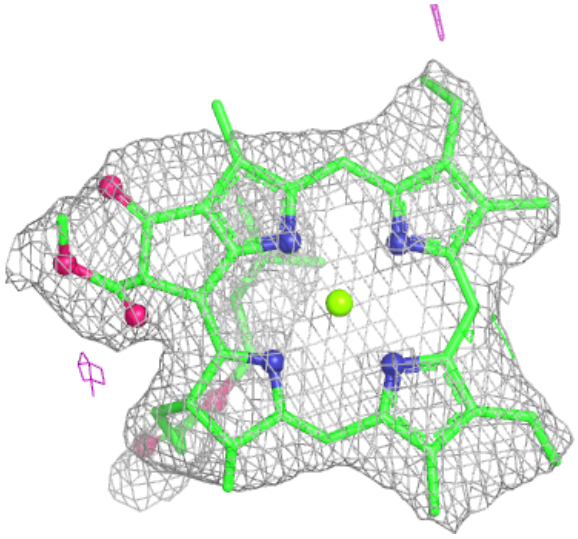


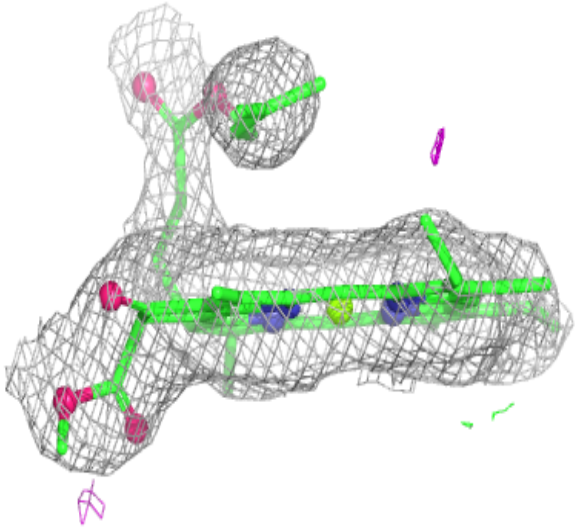


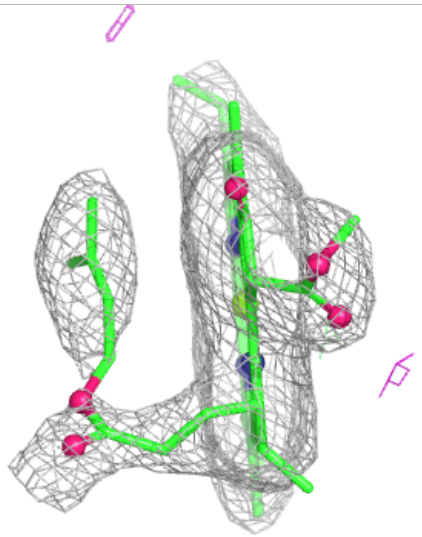


Electron density around CLA Y 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

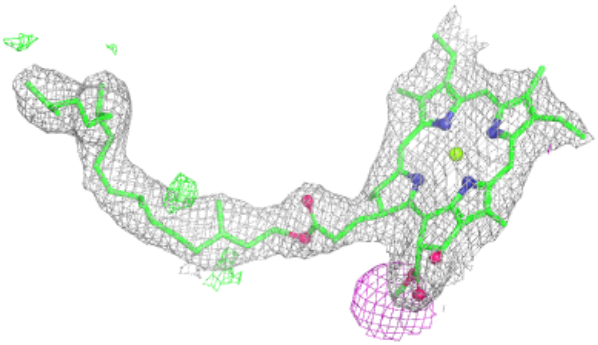


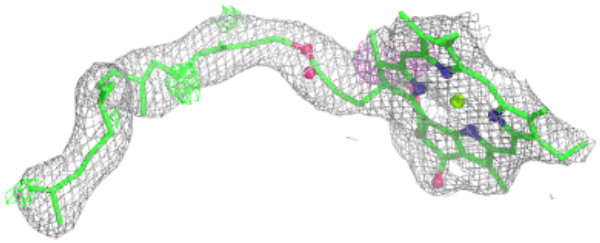


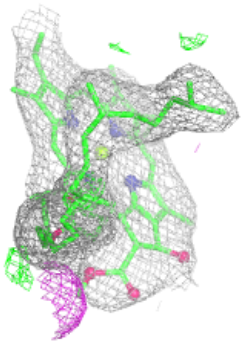


Electron density around CLA Y 854:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

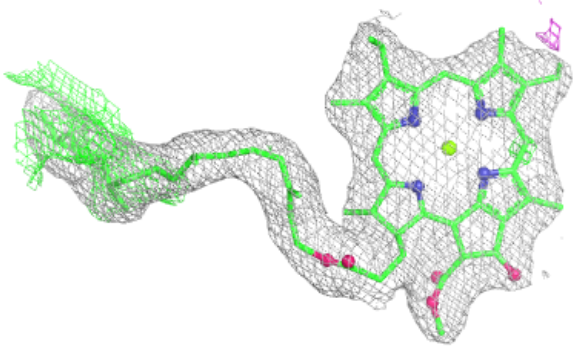


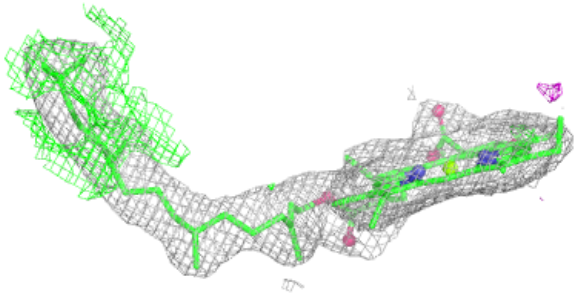


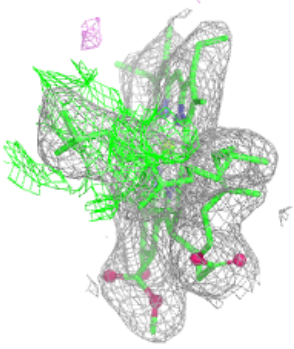


Electron density around CLA Y 855:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

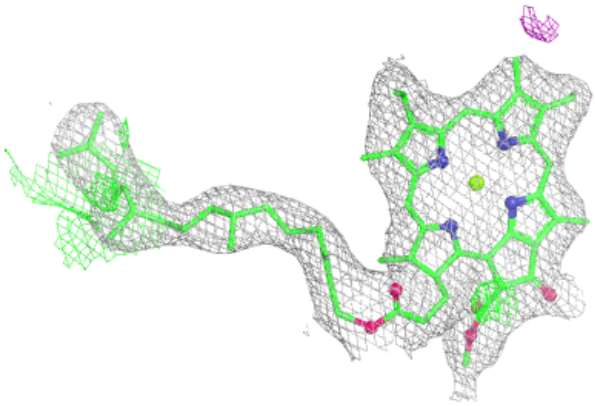


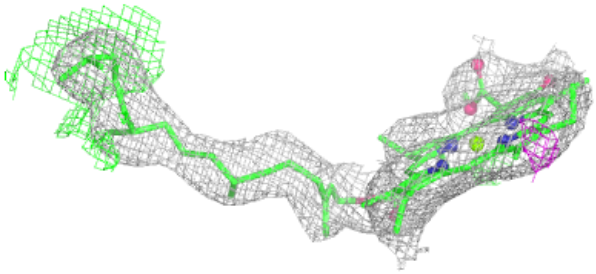


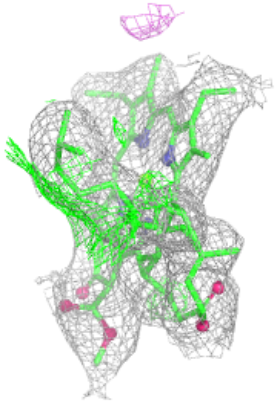


Electron density around CLA Z 801:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

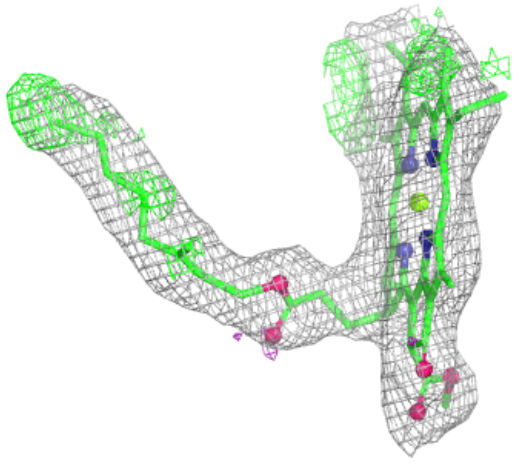


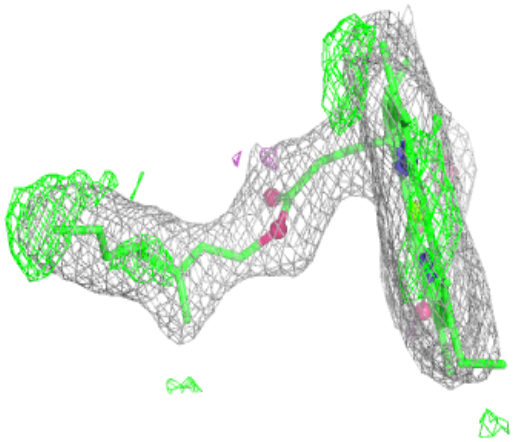


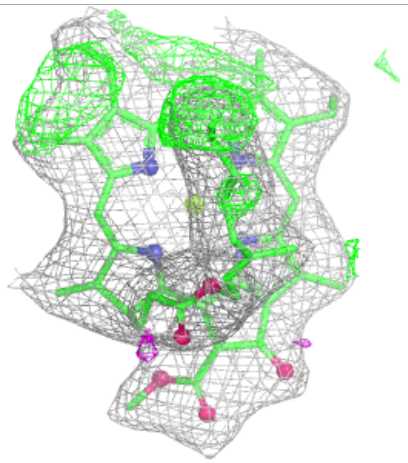


Electron density around CLA Z 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

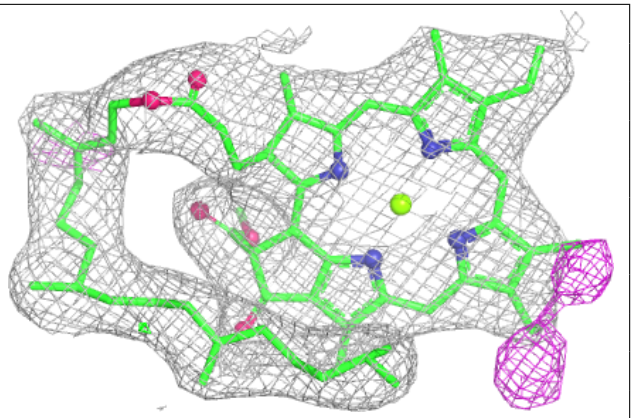


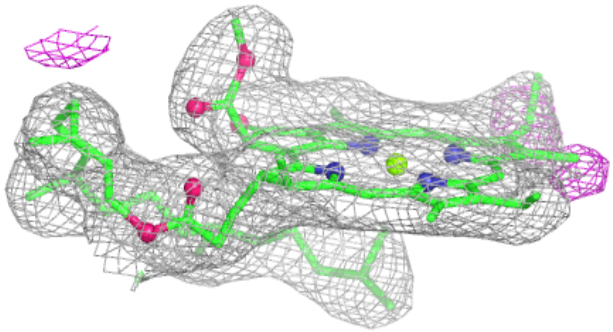


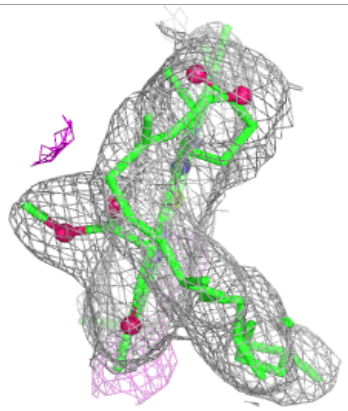


Electron density around CLA Z 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

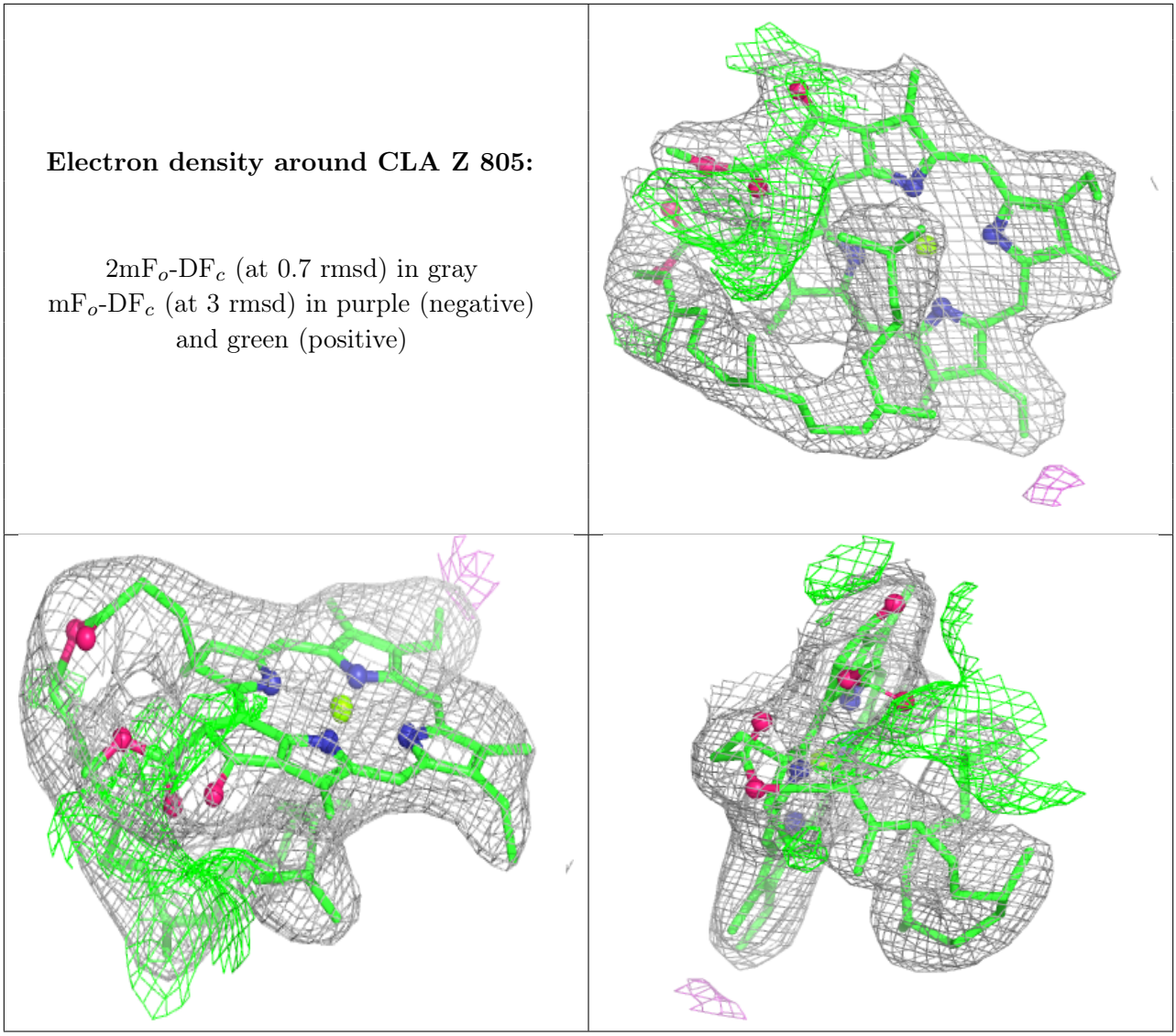






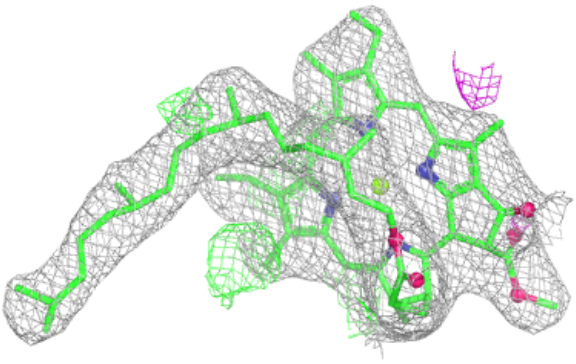
Electron density around CLA Z 805:

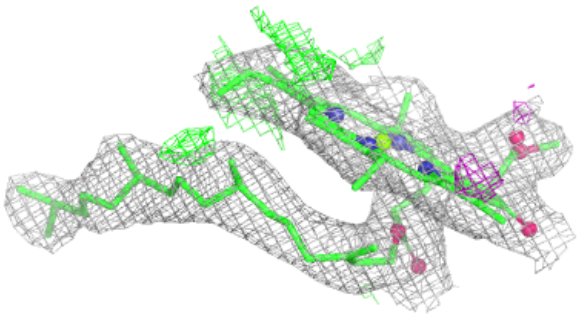
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



Electron density around CLA Z 806:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

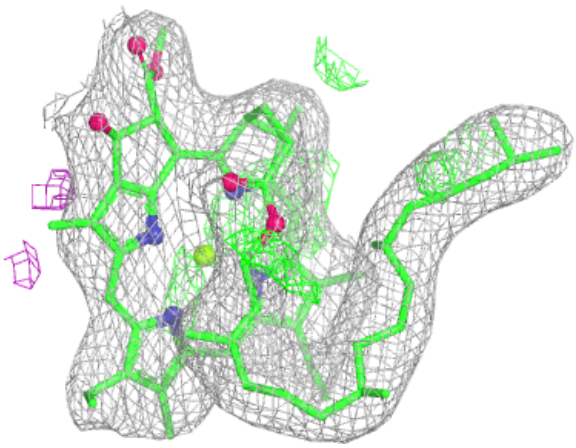


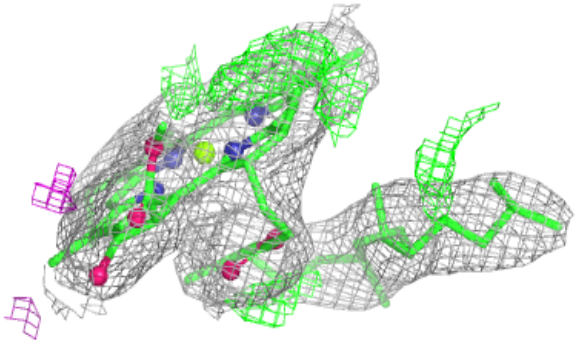




Electron density around CLA Z 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

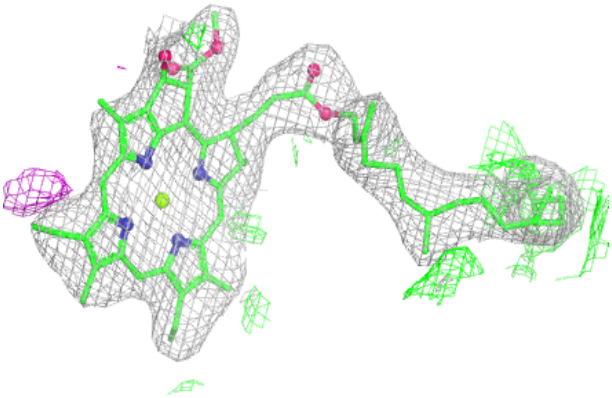


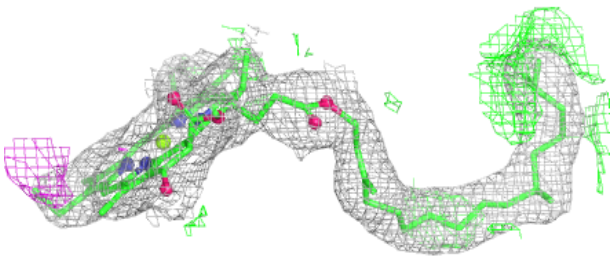


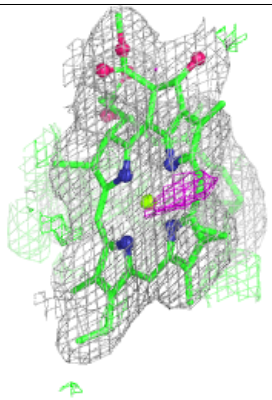


Electron density around CLA Z 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

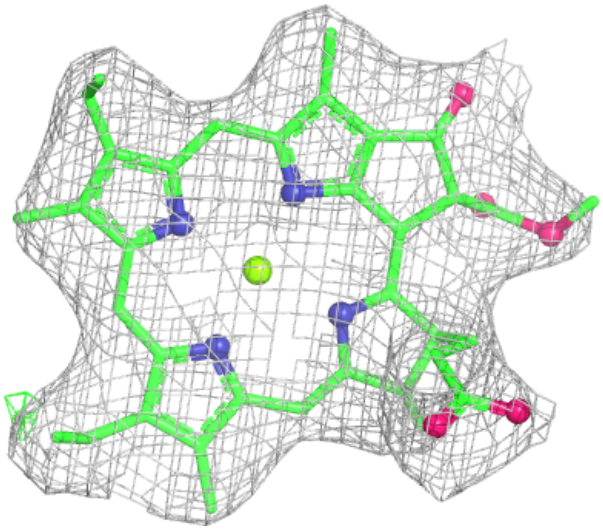


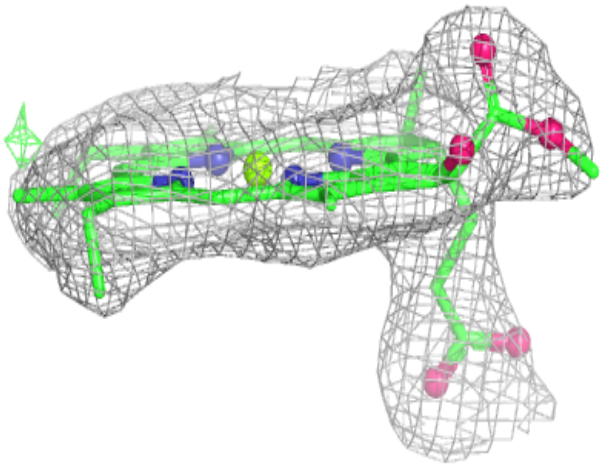


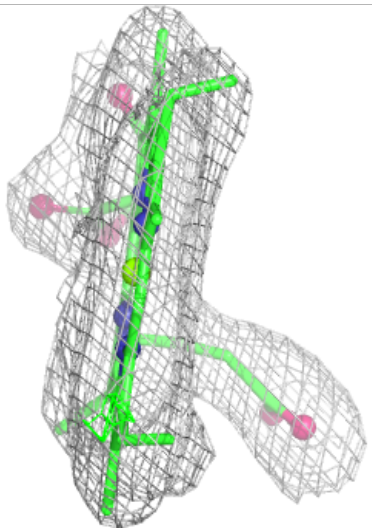


Electron density around CLA Z 810:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

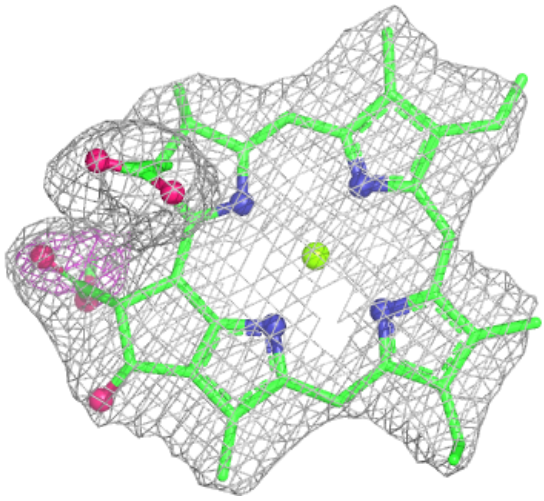


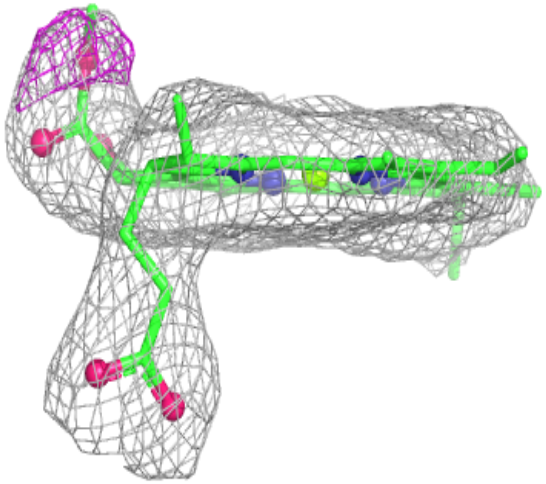


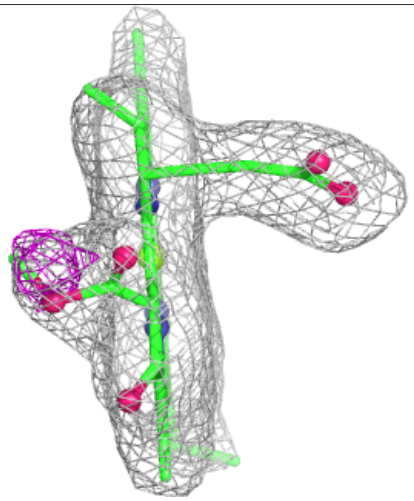


Electron density around CLA Z 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

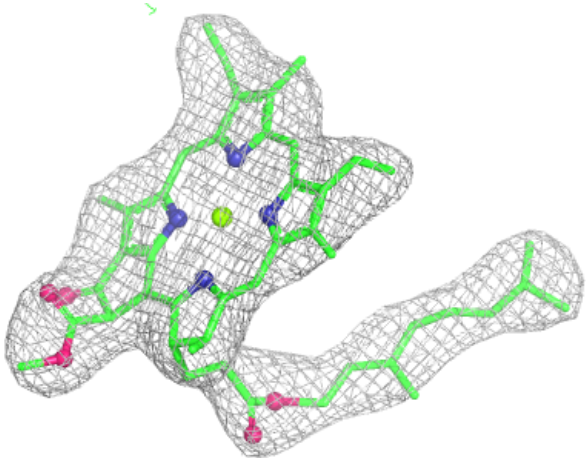


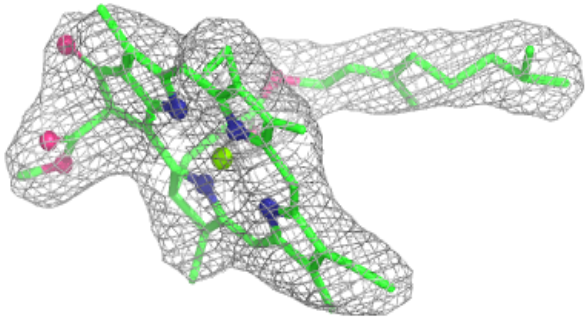


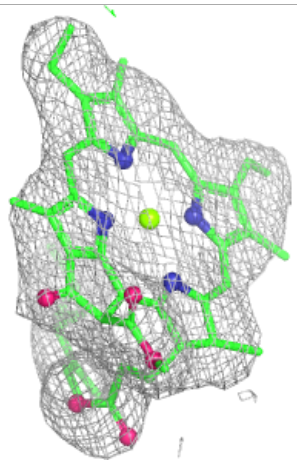


Electron density around CLA Z 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

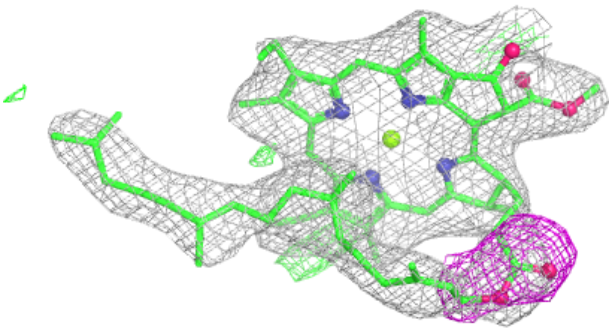


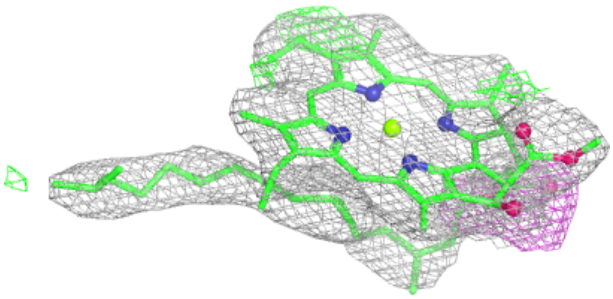


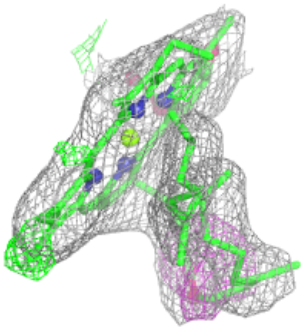


Electron density around CLA Z 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

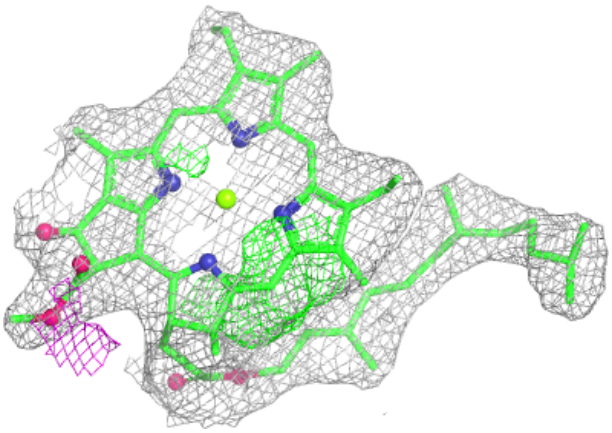


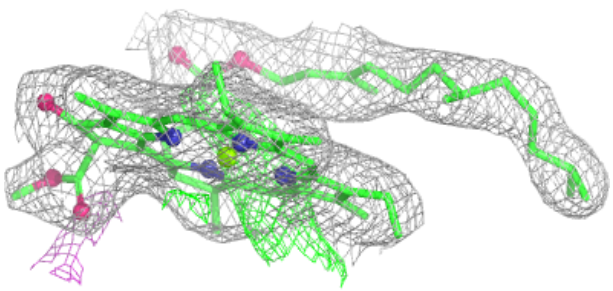


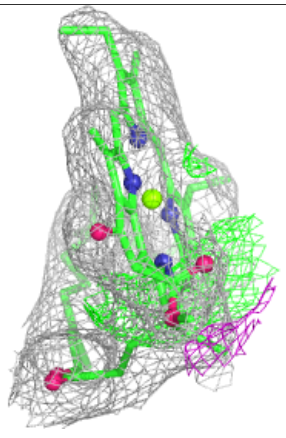


Electron density around CLA Z 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

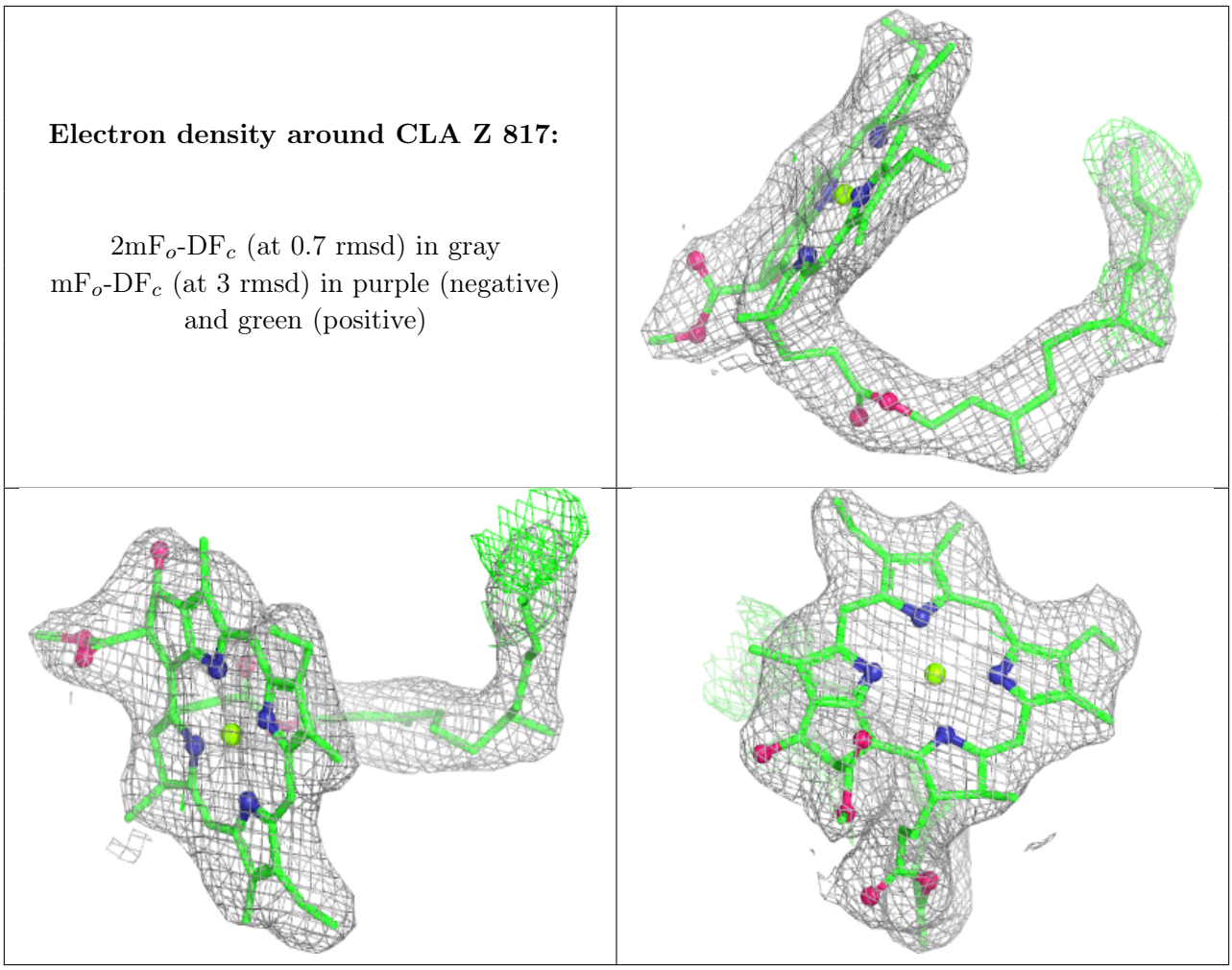






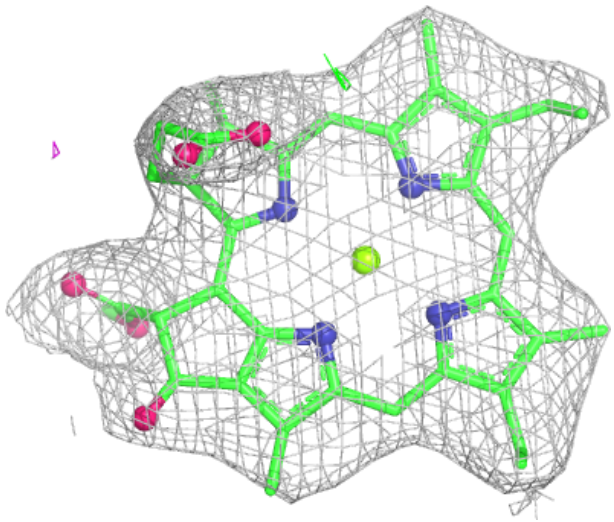
Electron density around CLA Z 817:

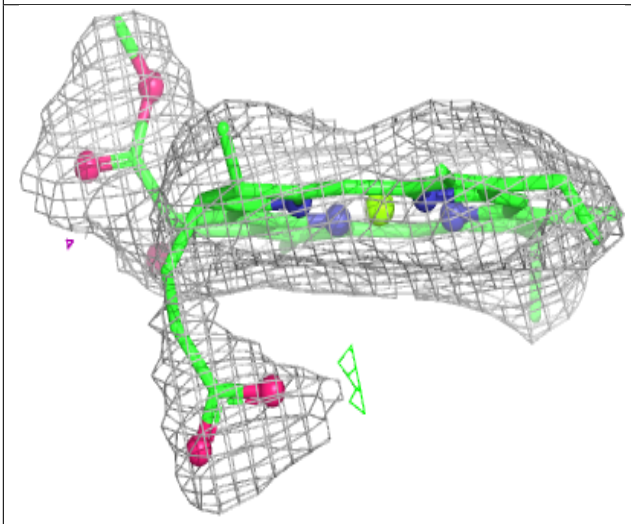
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

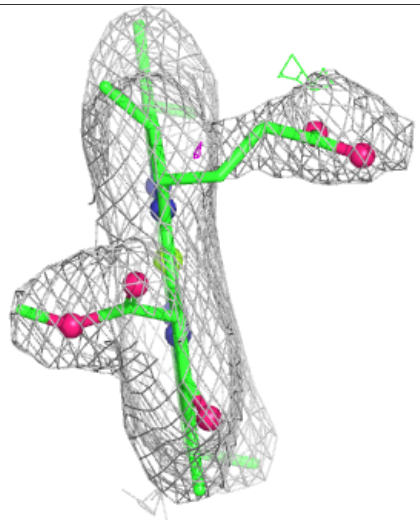


Electron density around CLA Z 818:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

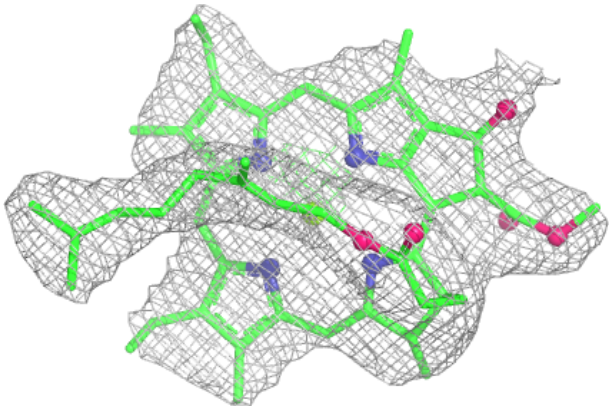


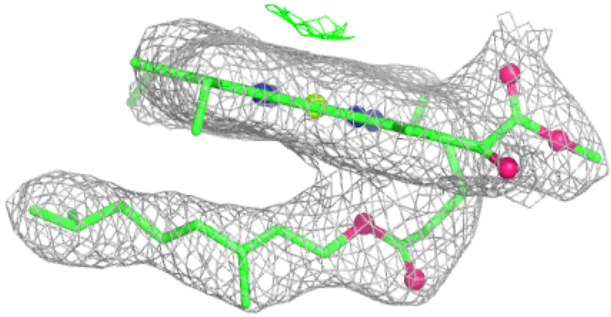


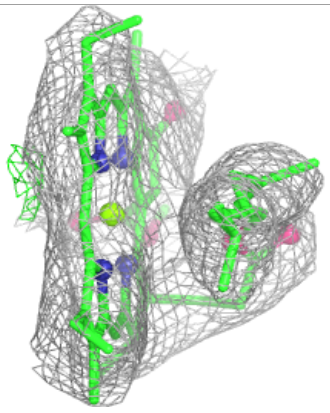


Electron density around CLA Z 820:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

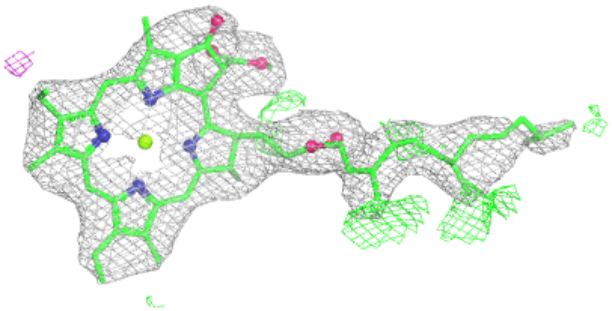


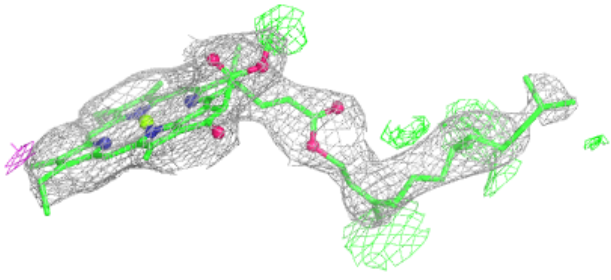


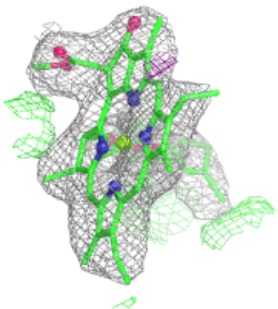


Electron density around CLA Z 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

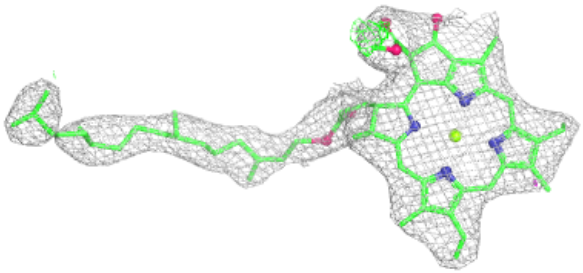


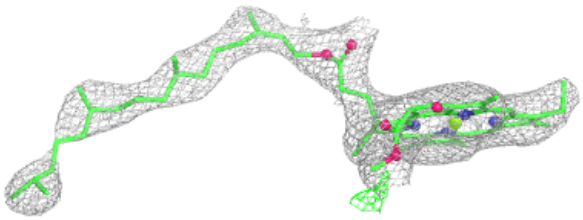


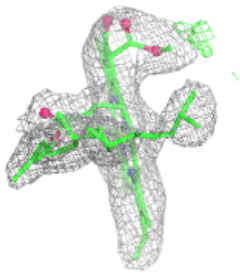


Electron density around CLA Z 823:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

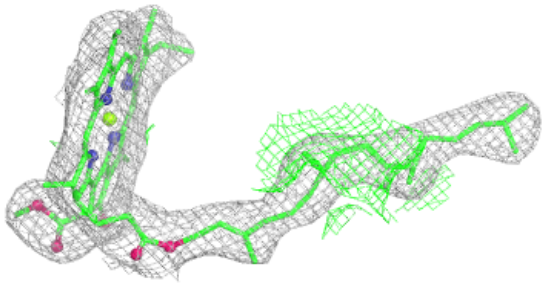


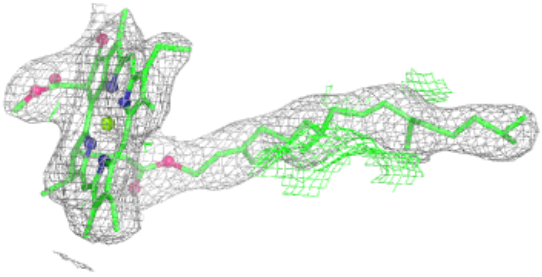


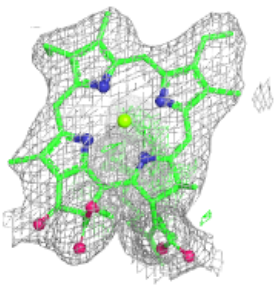


Electron density around CLA Z 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

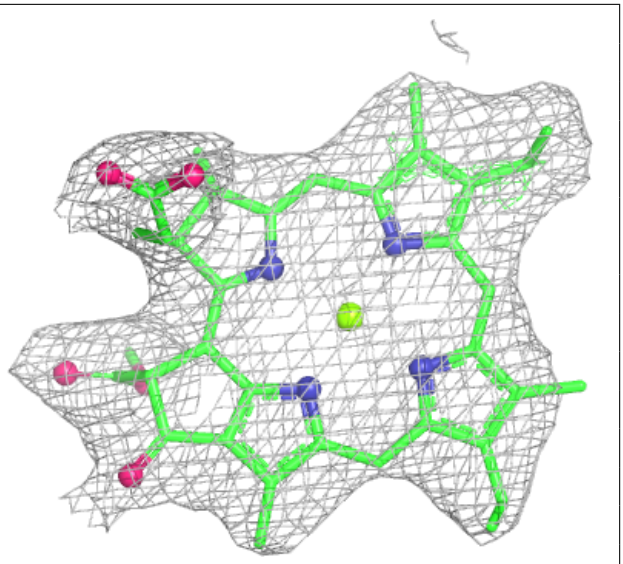


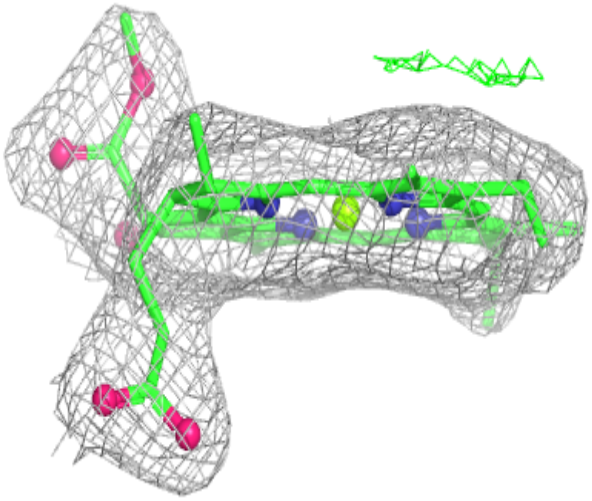


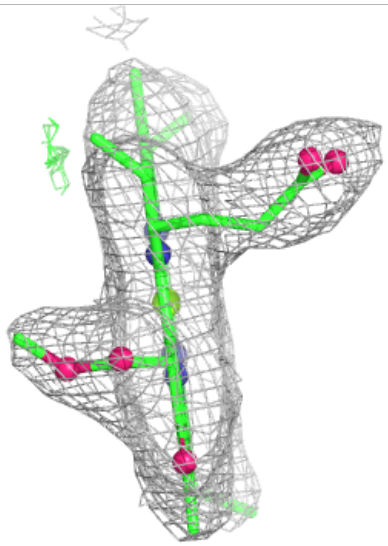


Electron density around CLA Z 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

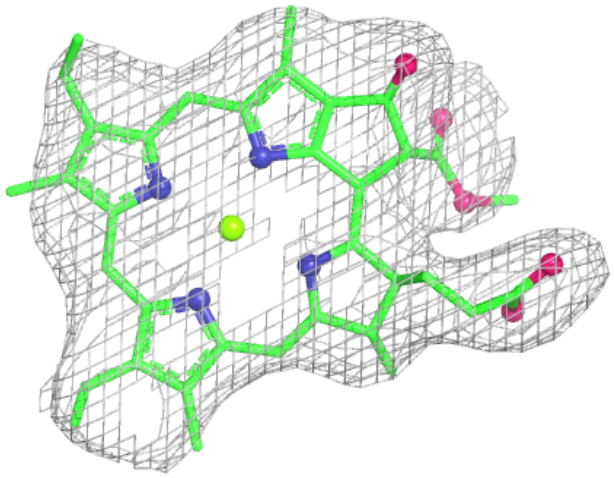


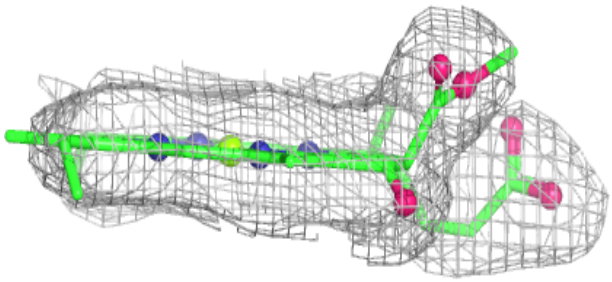


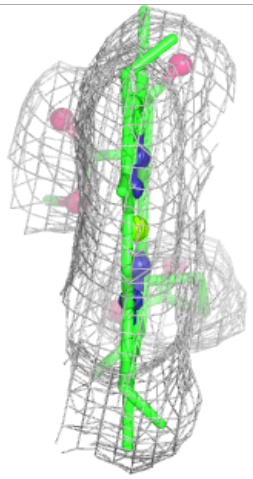


Electron density around CLA Z 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

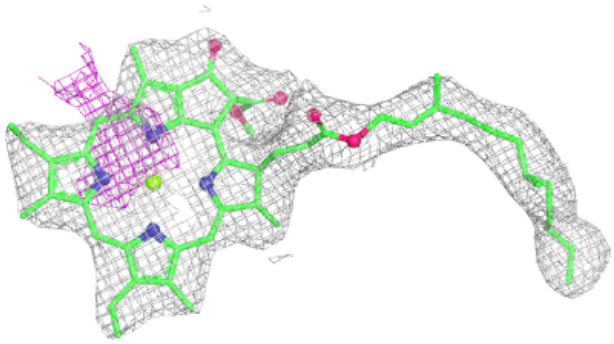


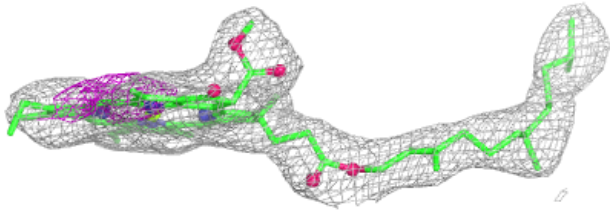


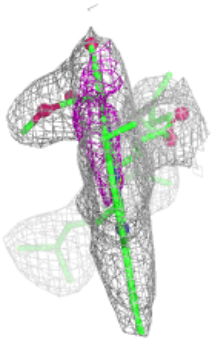


Electron density around CLA Z 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

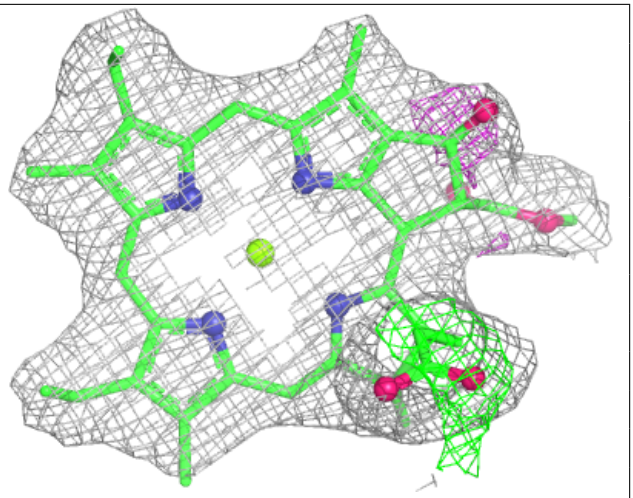


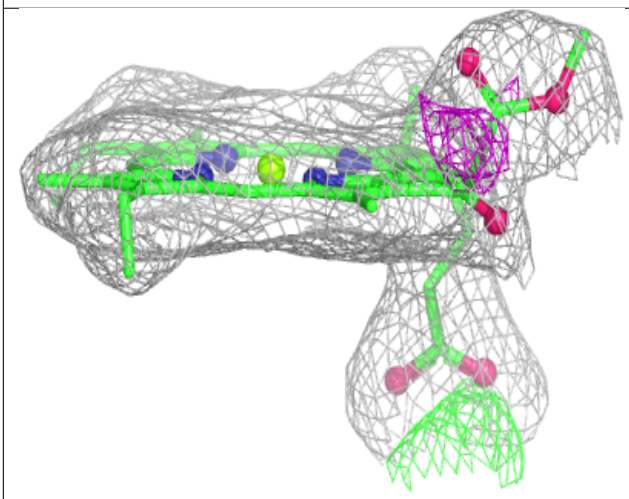


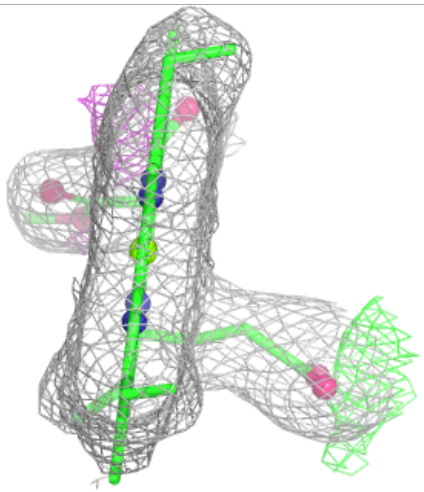


Electron density around CLA Z 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

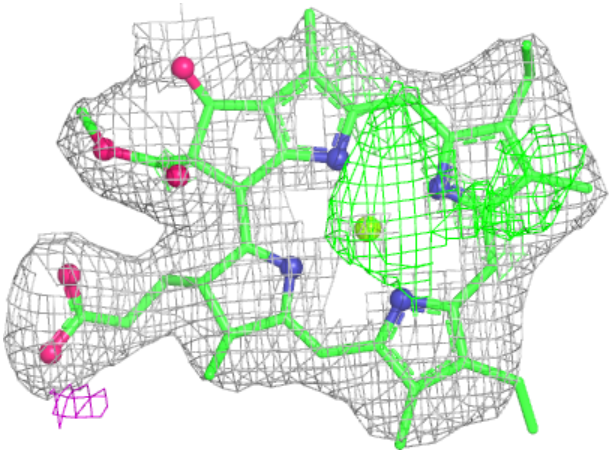


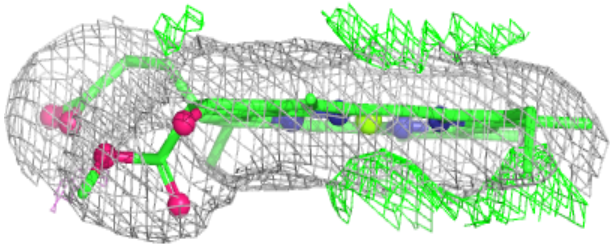


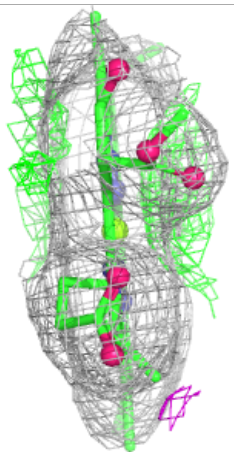


Electron density around CLA d 202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

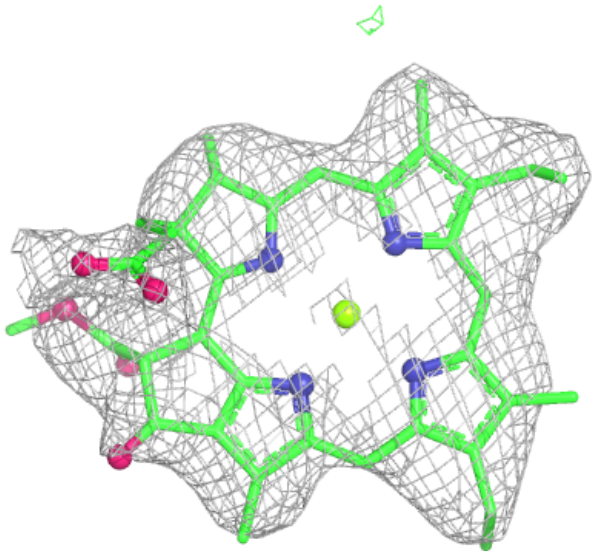


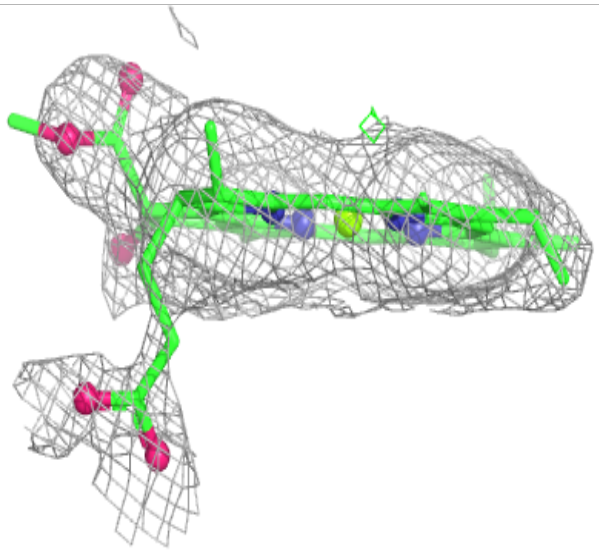


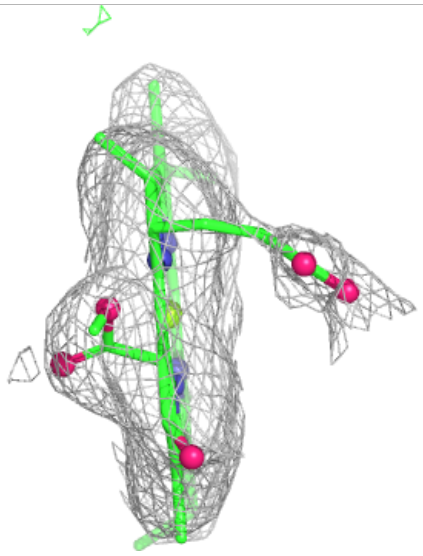


Electron density around CLA f 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

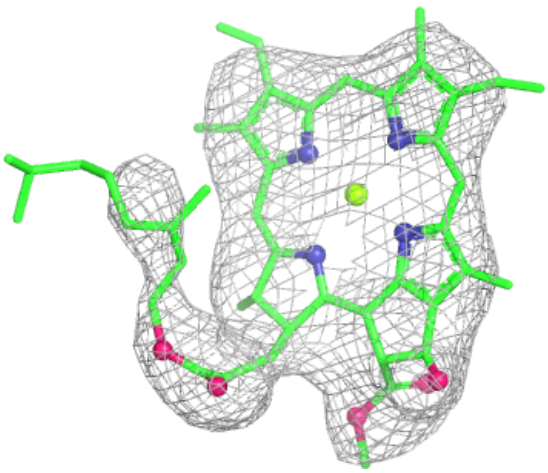


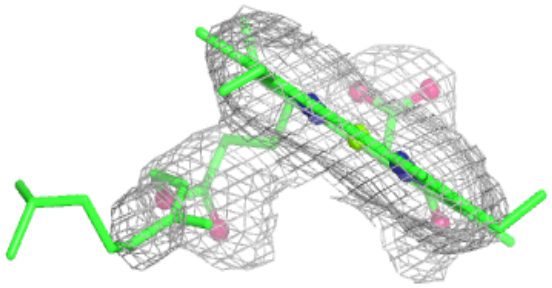


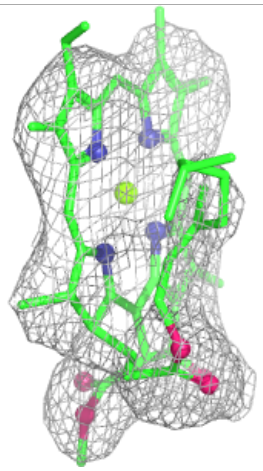


Electron density around CLA f 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

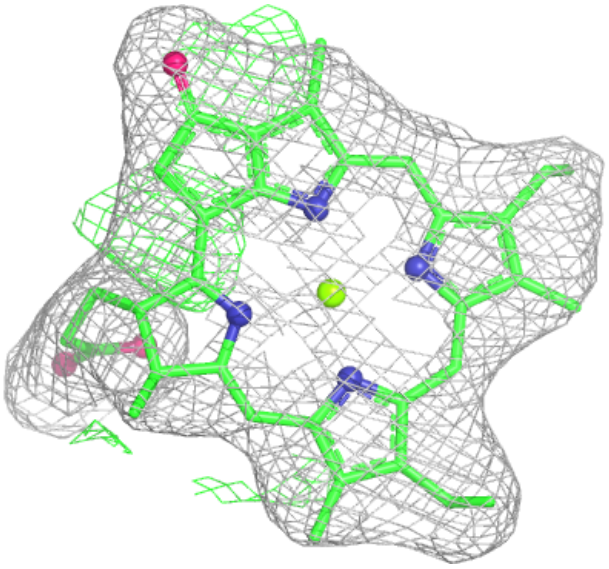


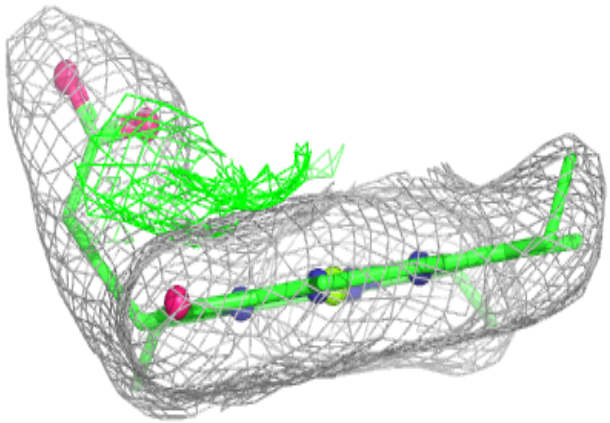


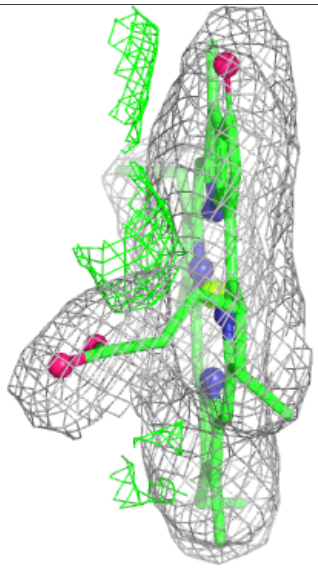


Electron density around CLA g 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

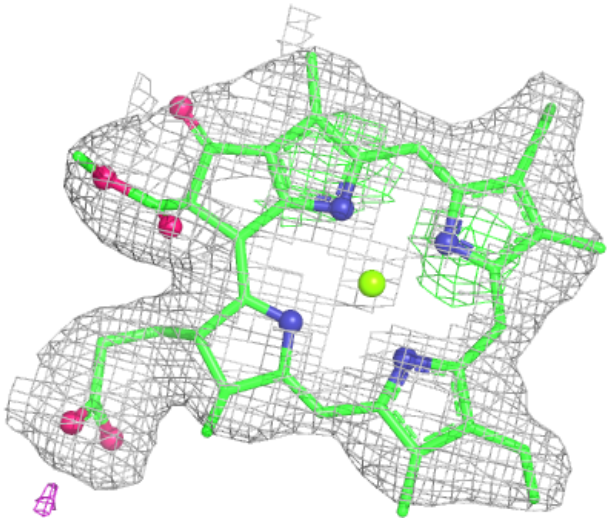


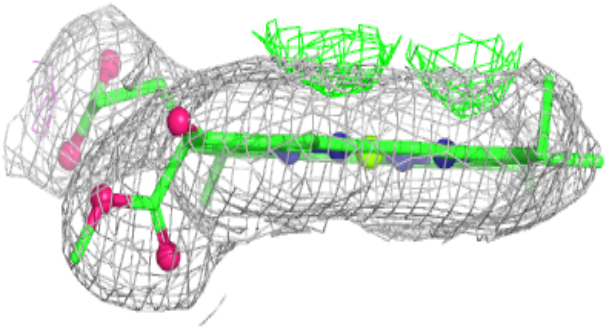


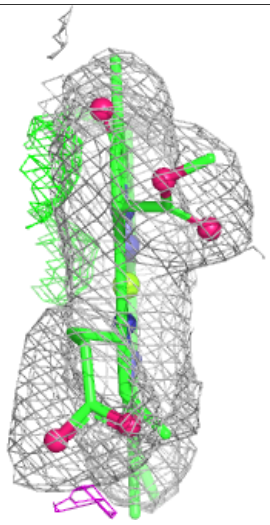


Electron density around CLA j 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

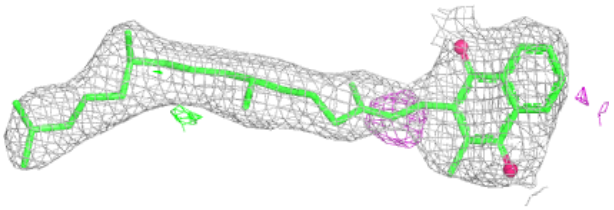


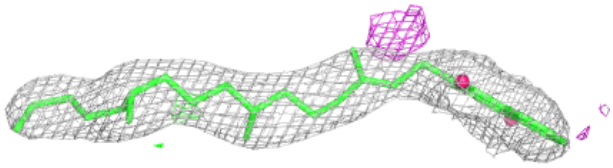


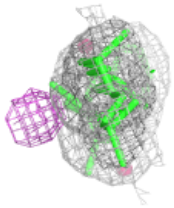


Electron density around PQN A 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

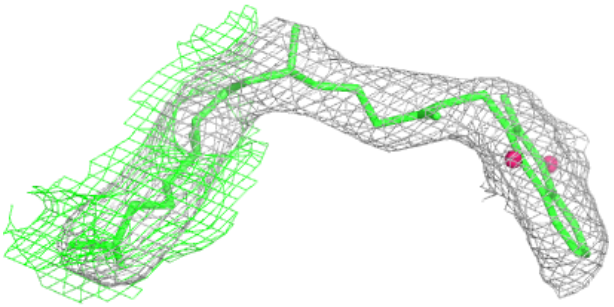


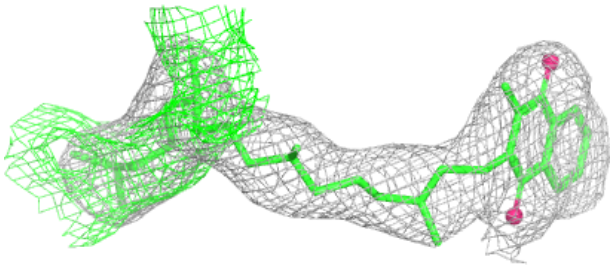


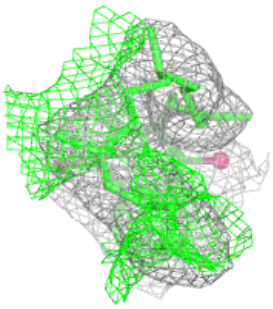


Electron density around PQN B 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

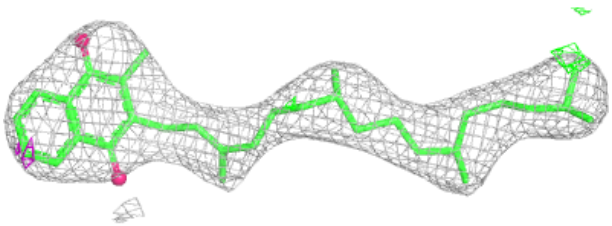


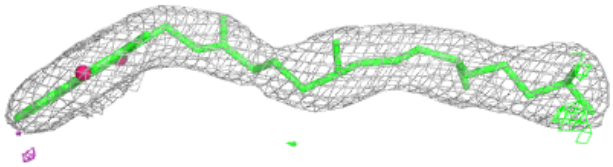


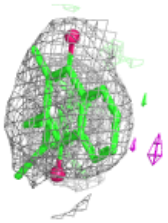


Electron density around PQN G 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

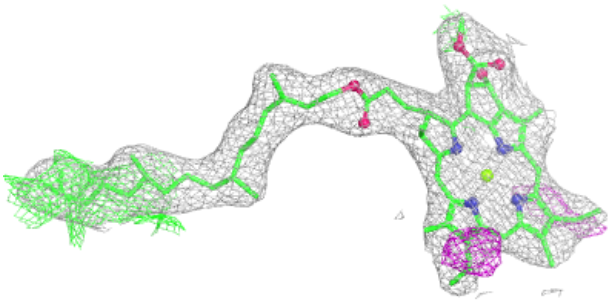


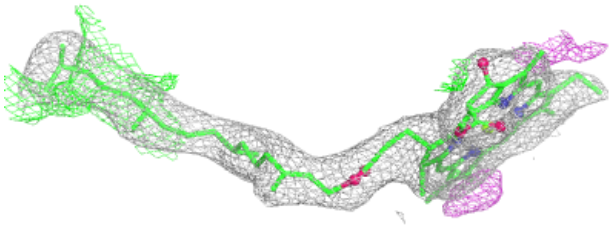


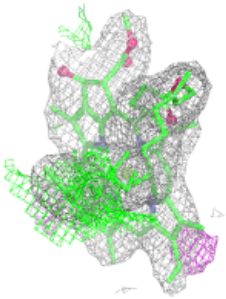


Electron density around CLA A 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

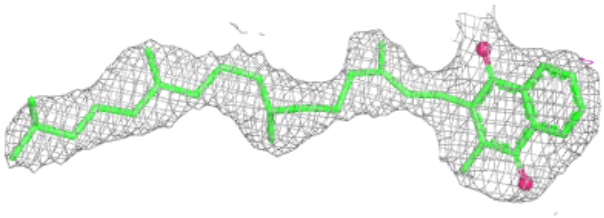


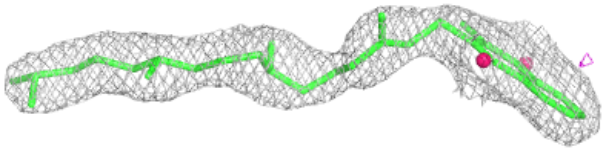


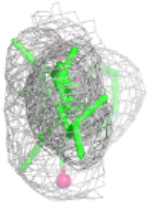


Electron density around PQN Y 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

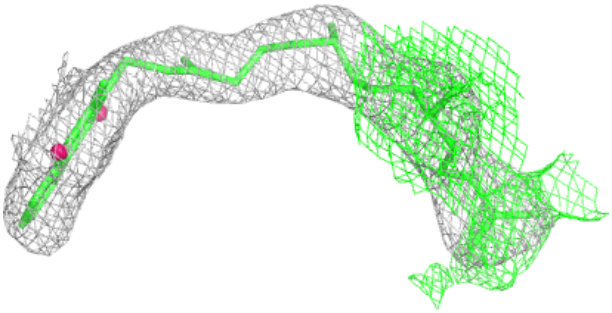


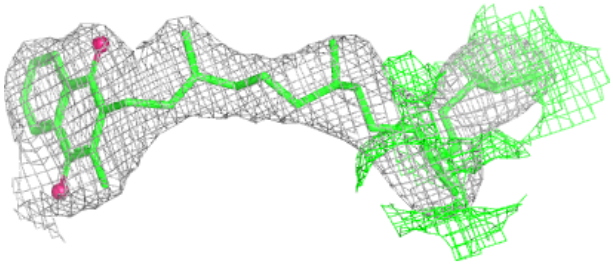


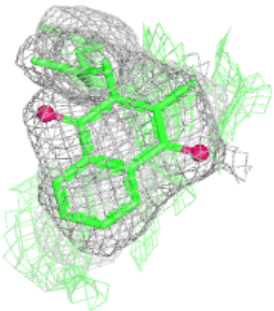


Electron density around PQN Z 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

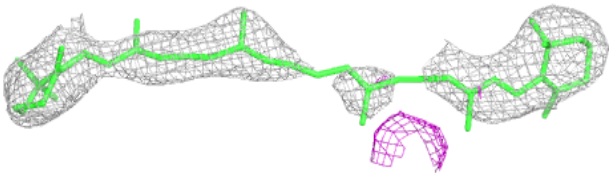


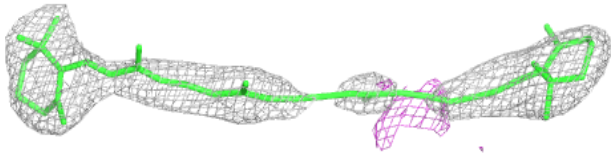


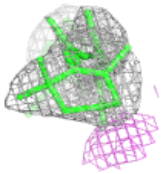


Electron density around BCR A 846:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

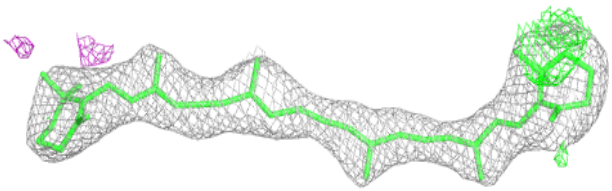


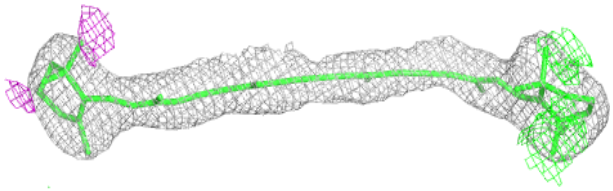


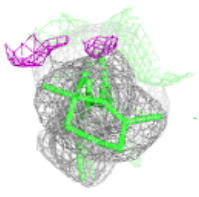


Electron density around BCR A 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

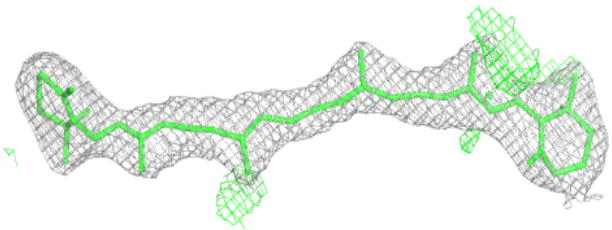


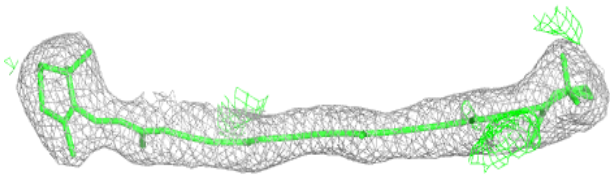


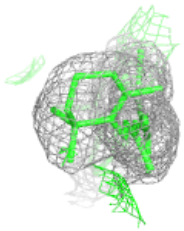


Electron density around BCR A 848:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

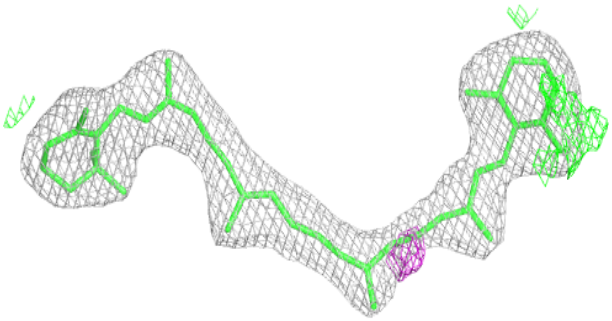


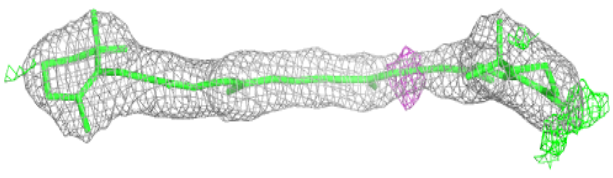


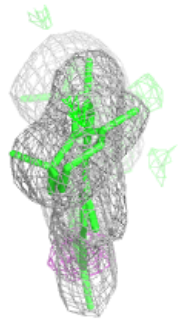


Electron density around BCR A 849:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

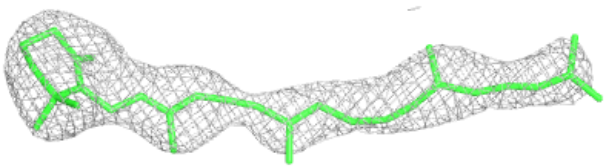


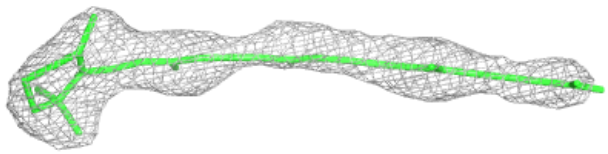


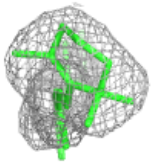


Electron density around BCR B 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

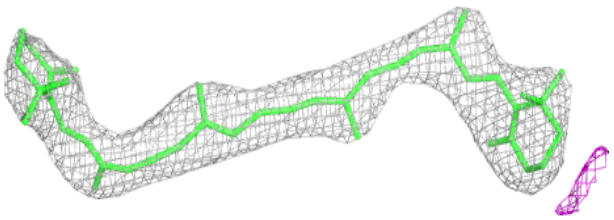


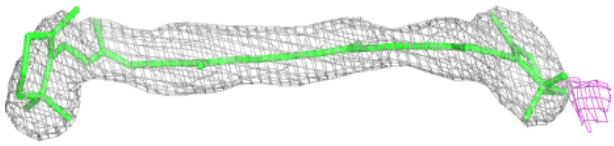


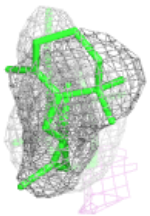


Electron density around BCR B 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

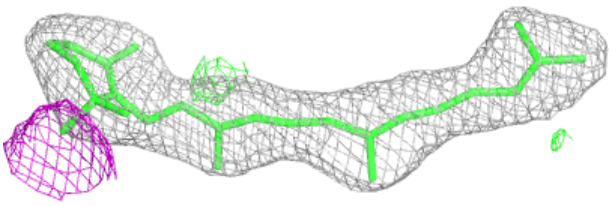


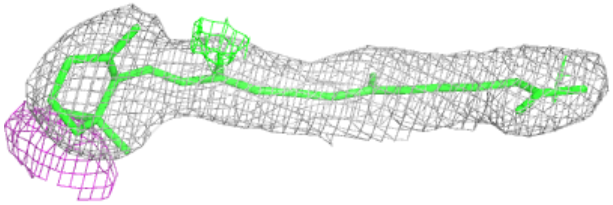


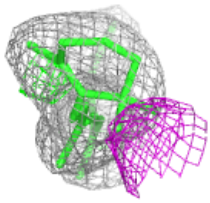


Electron density around BCR B 846:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

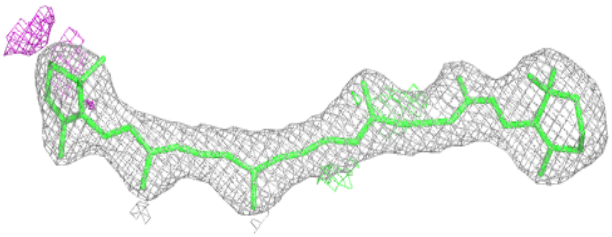


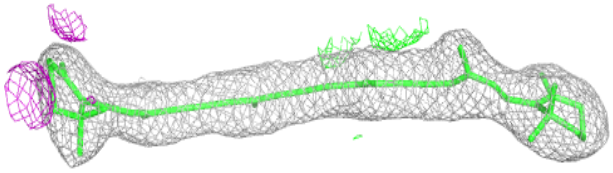


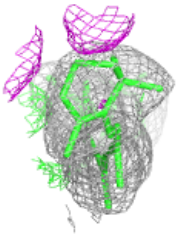


Electron density around BCR B 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

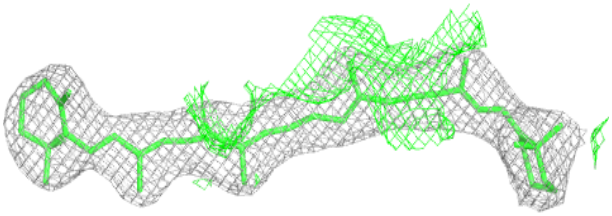


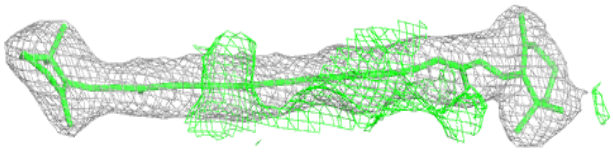


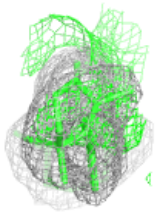


Electron density around BCR B 848:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

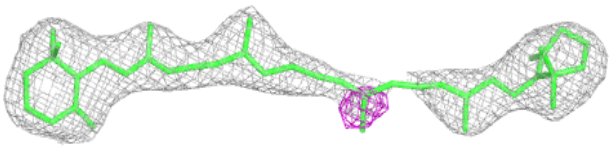


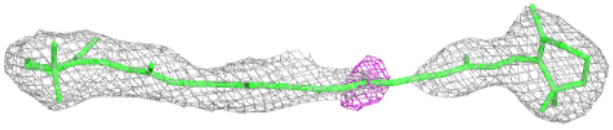


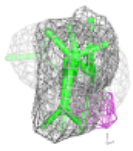


Electron density around BCR B 851:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

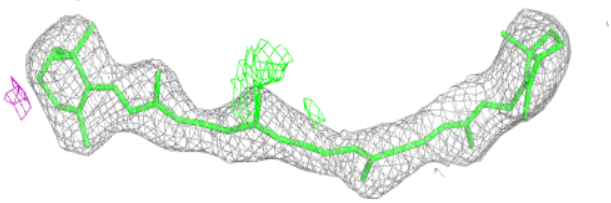


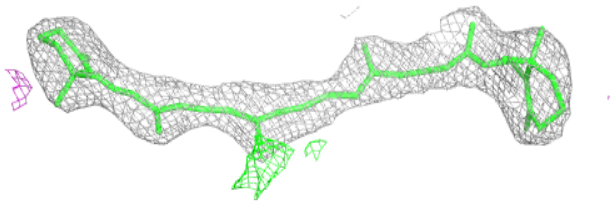


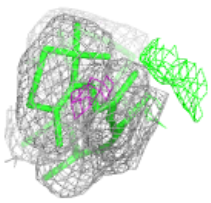


Electron density around BCR F 201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

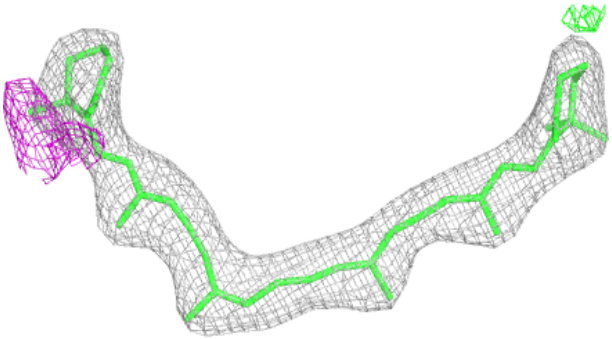


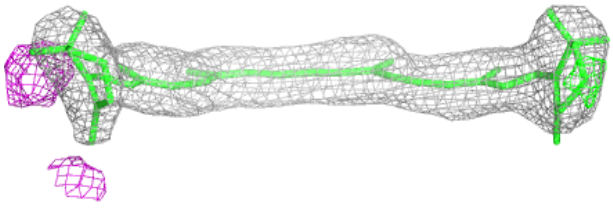


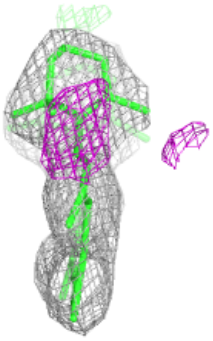


Electron density around BCR F 203:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

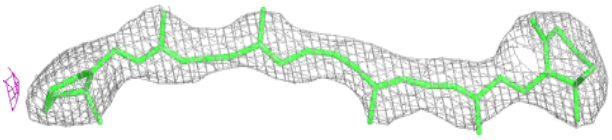


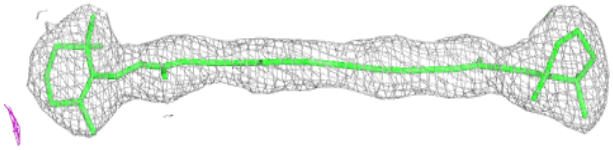


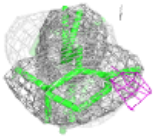


Electron density around BCR G 846:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

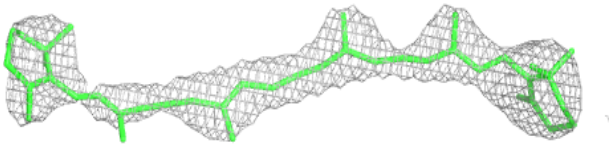


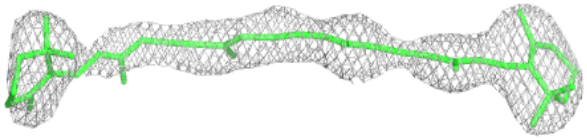


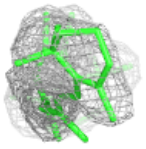


Electron density around BCR G 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

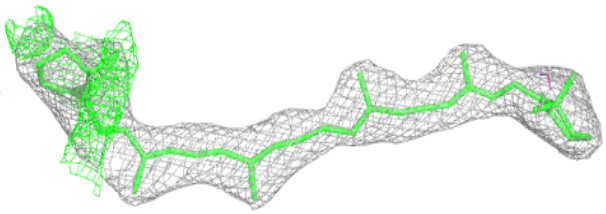


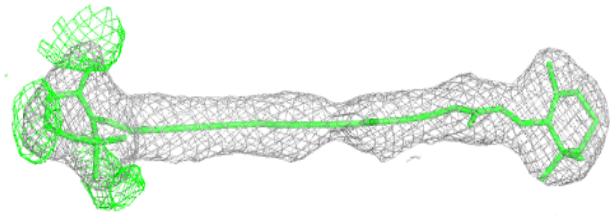


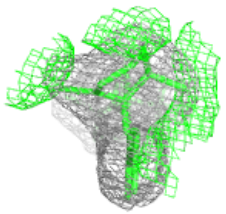


Electron density around BCR G 848:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

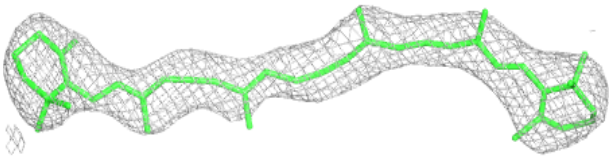


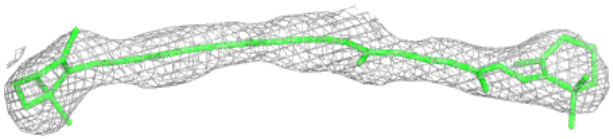


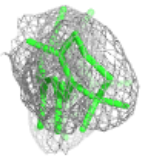


Electron density around BCR H 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

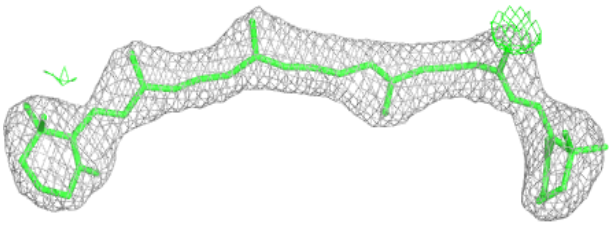


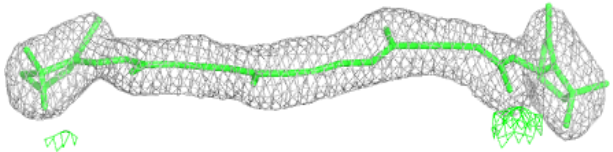


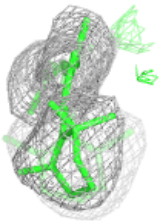


Electron density around BCR H 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

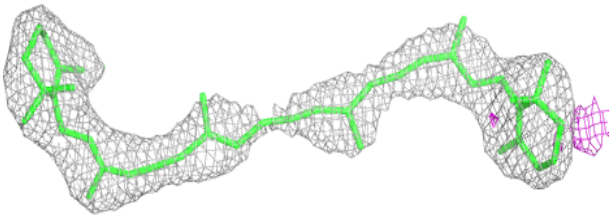


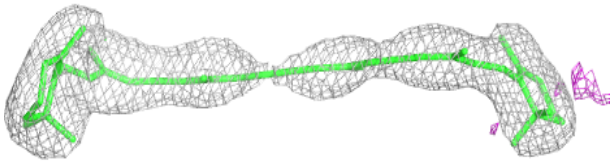


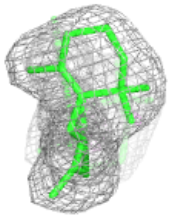


Electron density around BCR H 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

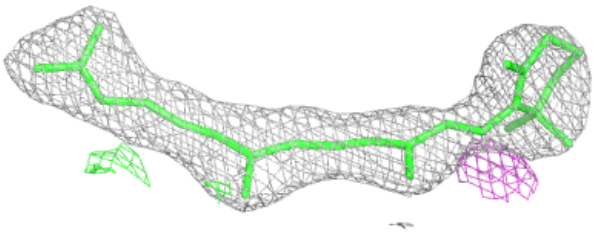




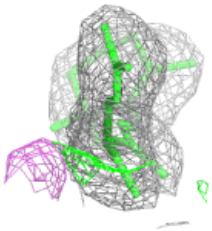


Electron density around BCR H 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

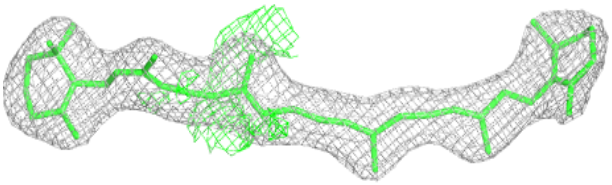


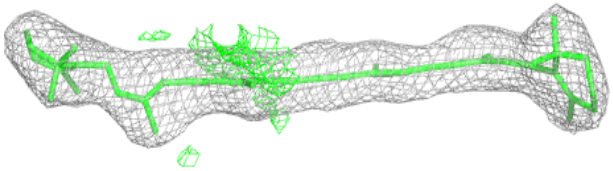


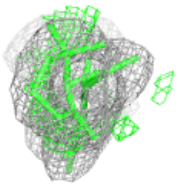


Electron density around BCR H 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

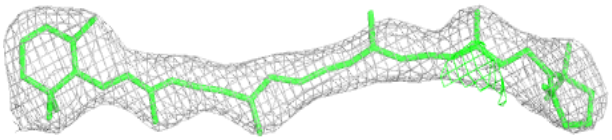


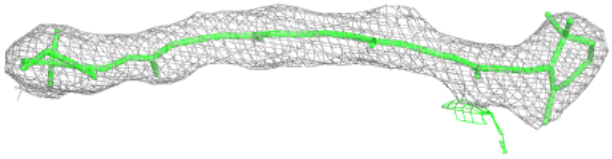


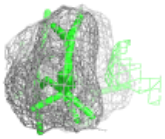


Electron density around BCR H 848:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

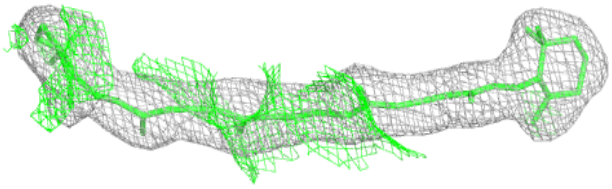


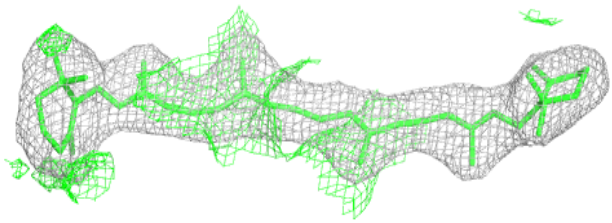


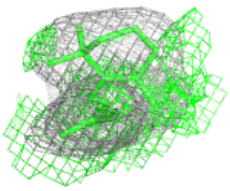


Electron density around BCR I 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

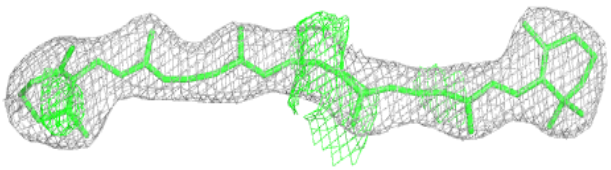


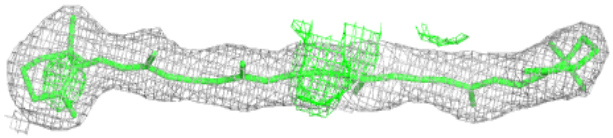


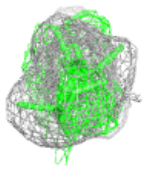


Electron density around BCR J 103:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

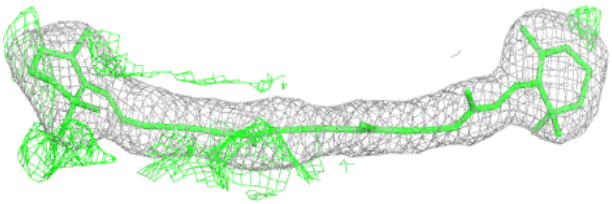


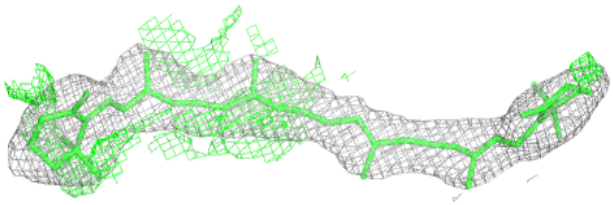


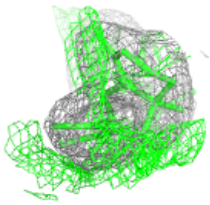


Electron density around BCR J 104:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

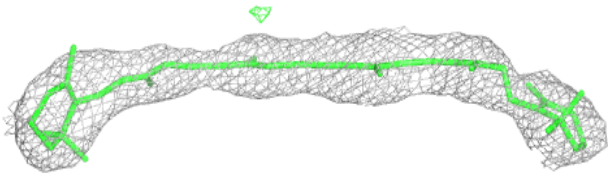


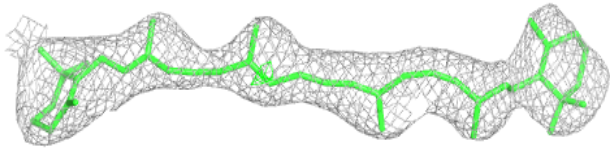


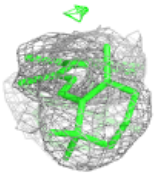


Electron density around BCR K 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

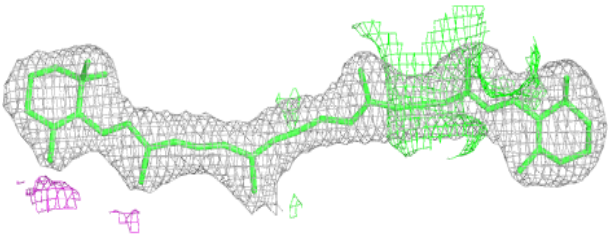


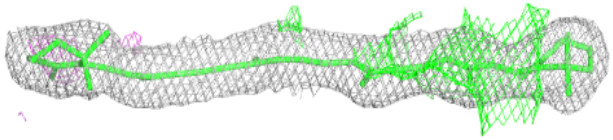


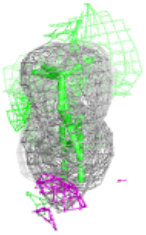


Electron density around BCR L 208:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

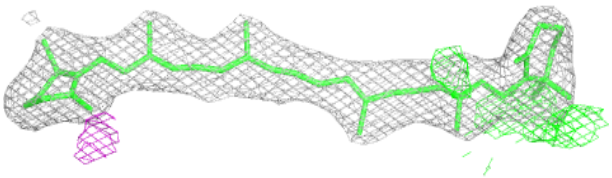


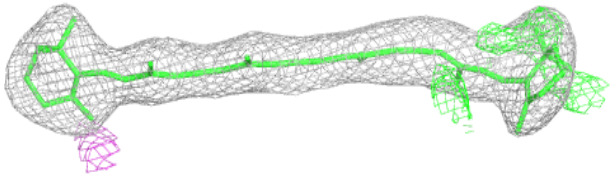


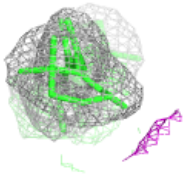


Electron density around BCR L 209:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

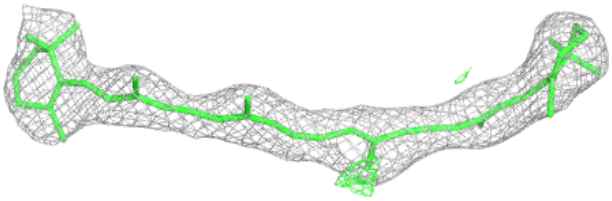


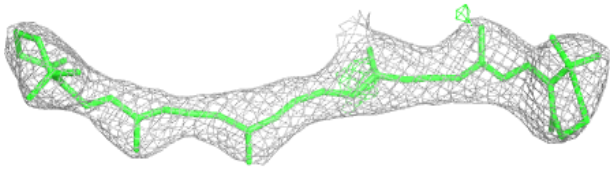


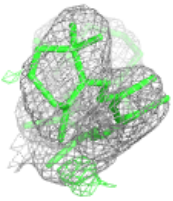


Electron density around BCR Q 202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

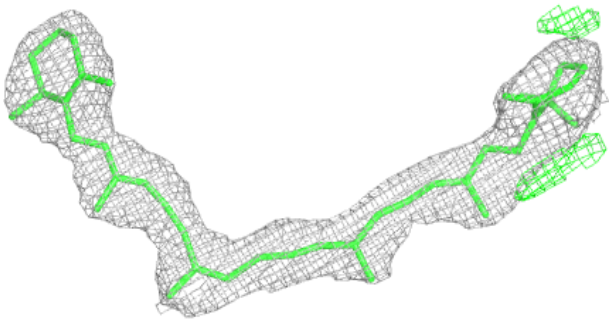


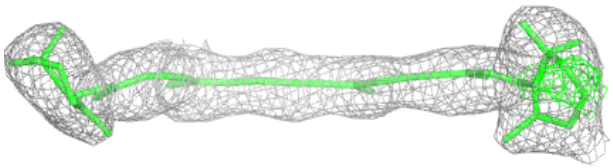




Electron density around BCR Q 204:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

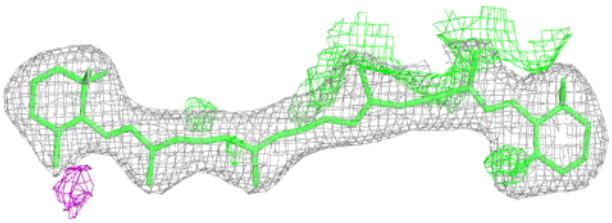


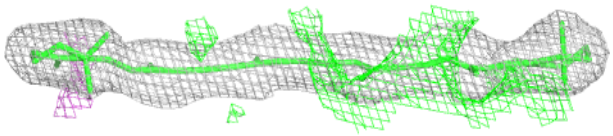


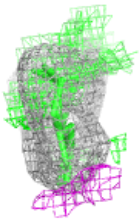


Electron density around BCR R 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

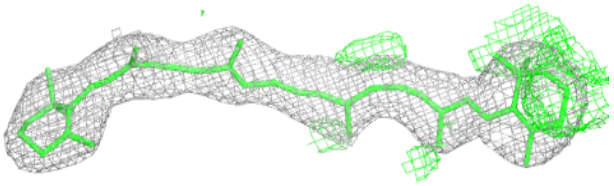


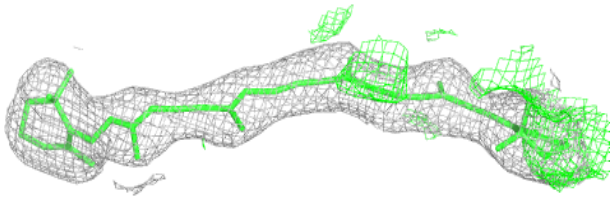


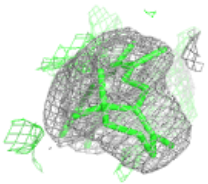


Electron density around BCR S 1104:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

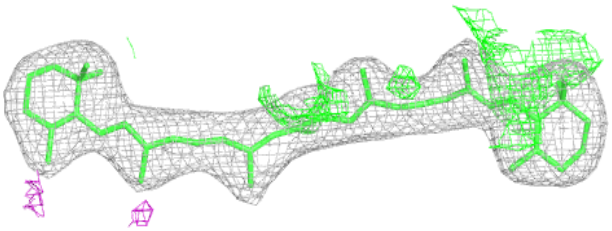


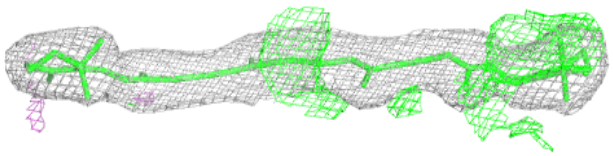


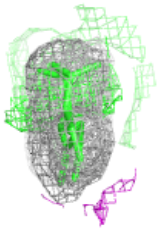


Electron density around BCR U 1005:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

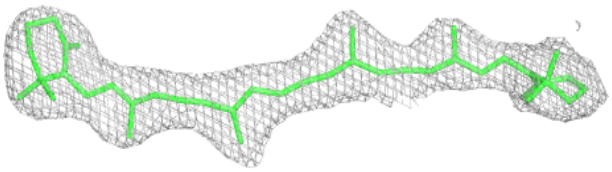


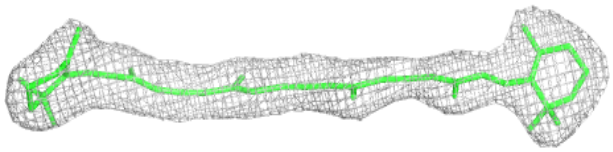


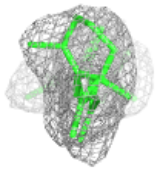


Electron density around BCR U 1008:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

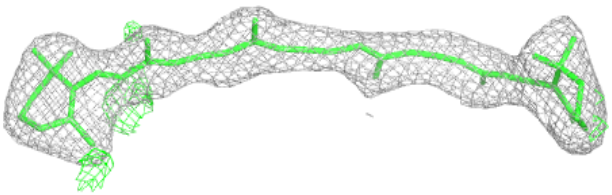


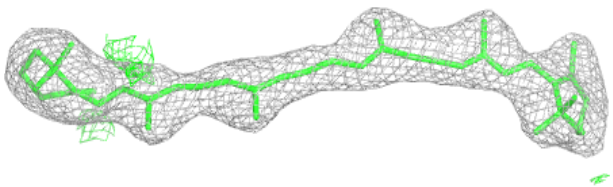


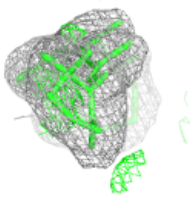


Electron density around BCR V 1202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

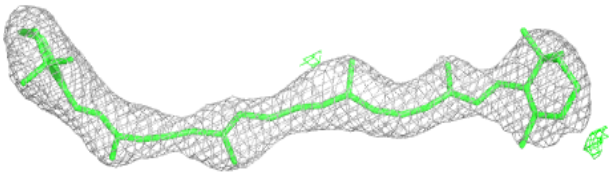


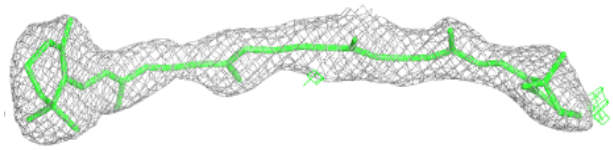


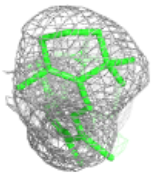


Electron density around BCR Y 846:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

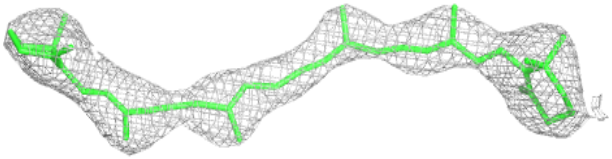


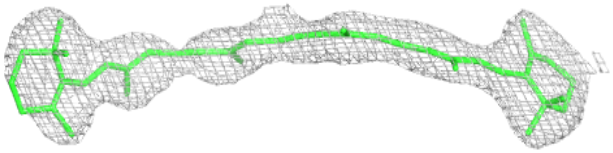


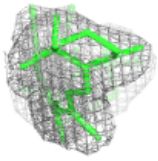


Electron density around BCR Y 848:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

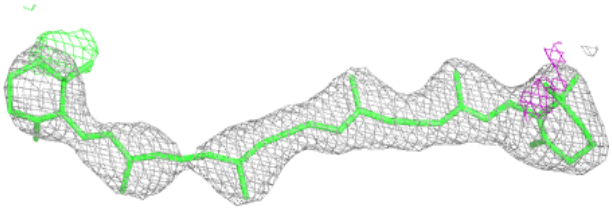


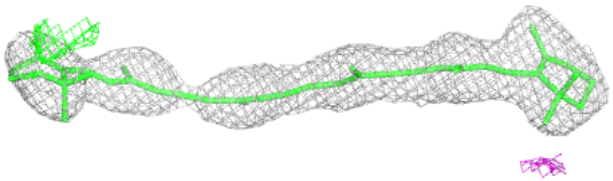


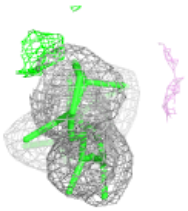


Electron density around BCR Y 849:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

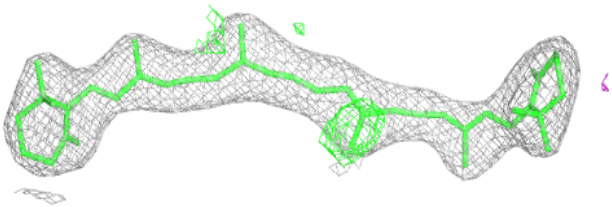


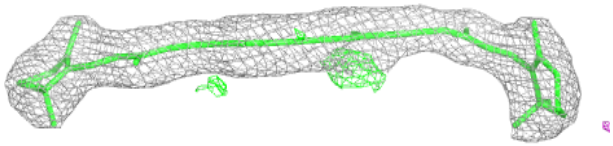


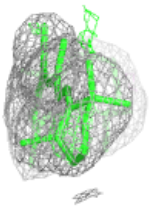


Electron density around BCR Y 850:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

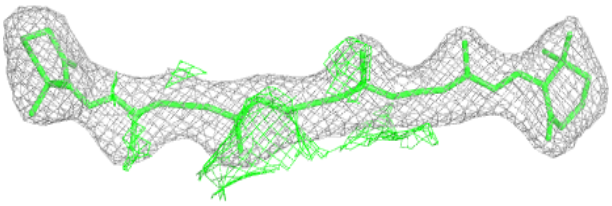


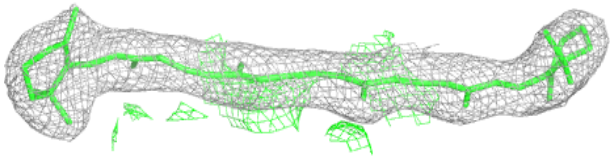


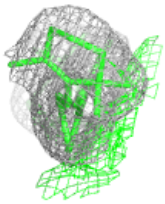


Electron density around BCR Y 856:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

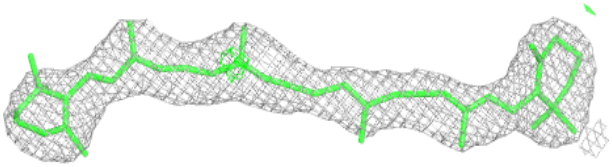


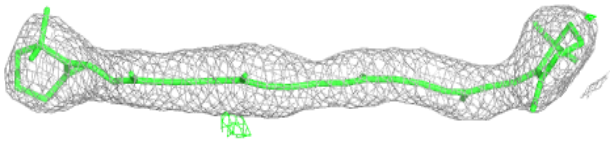


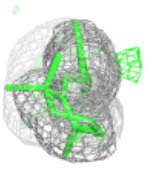


Electron density around BCR Z 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

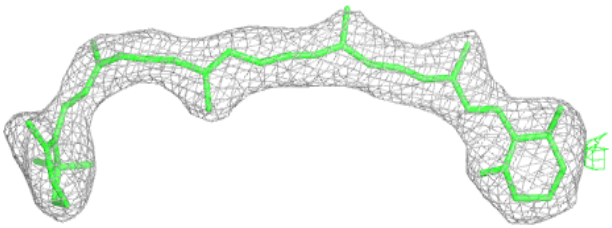


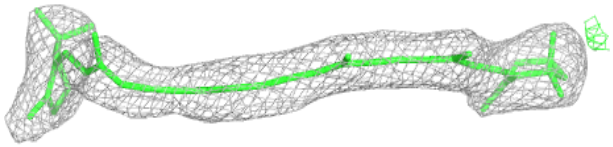




Electron density around BCR Z 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

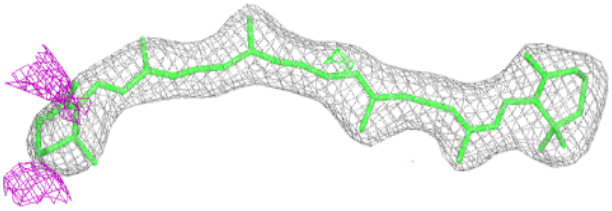


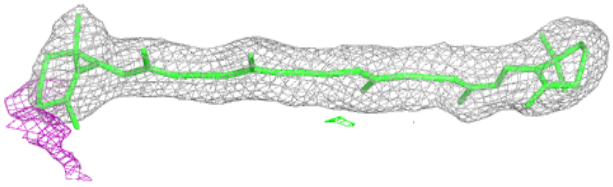


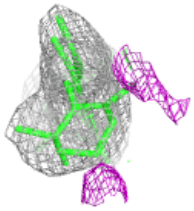


Electron density around BCR Z 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

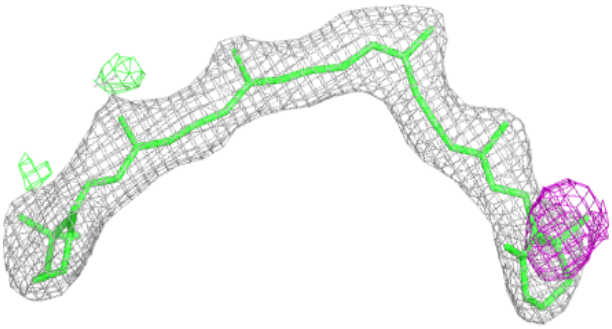


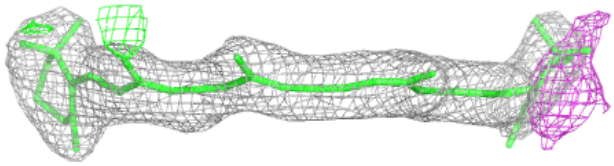


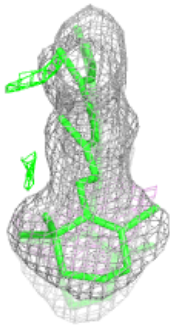


Electron density around BCR d 203:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

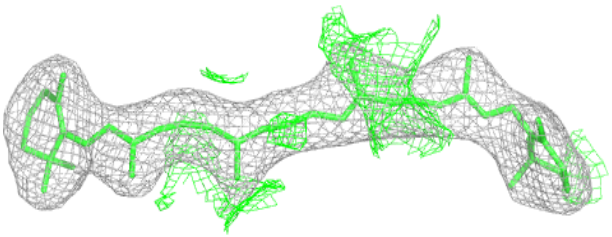


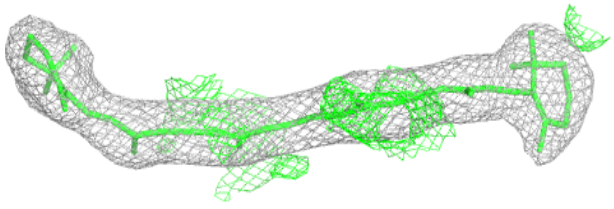


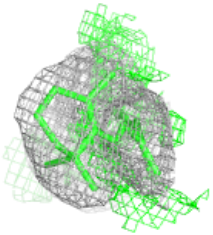


Electron density around BCR e 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

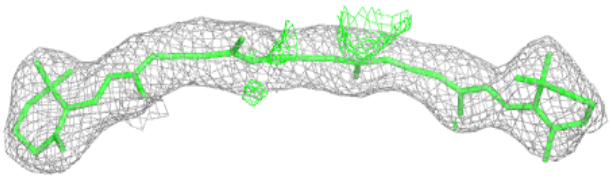


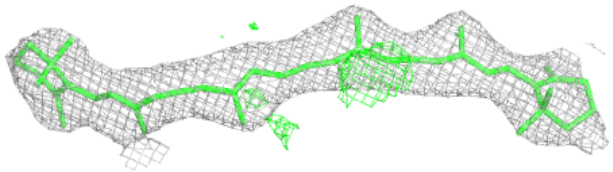


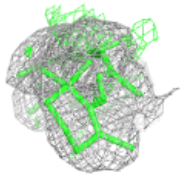


Electron density around BCR f 104:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

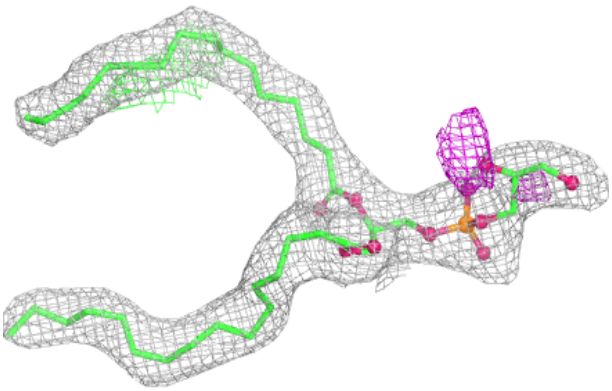


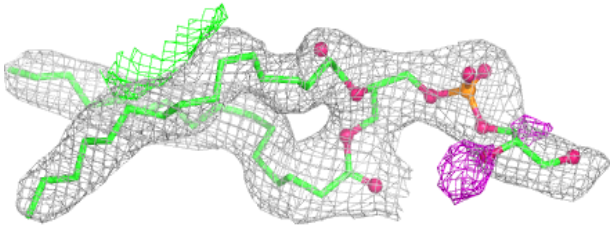


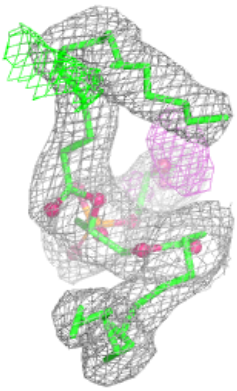


Electron density around LHG A 850:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

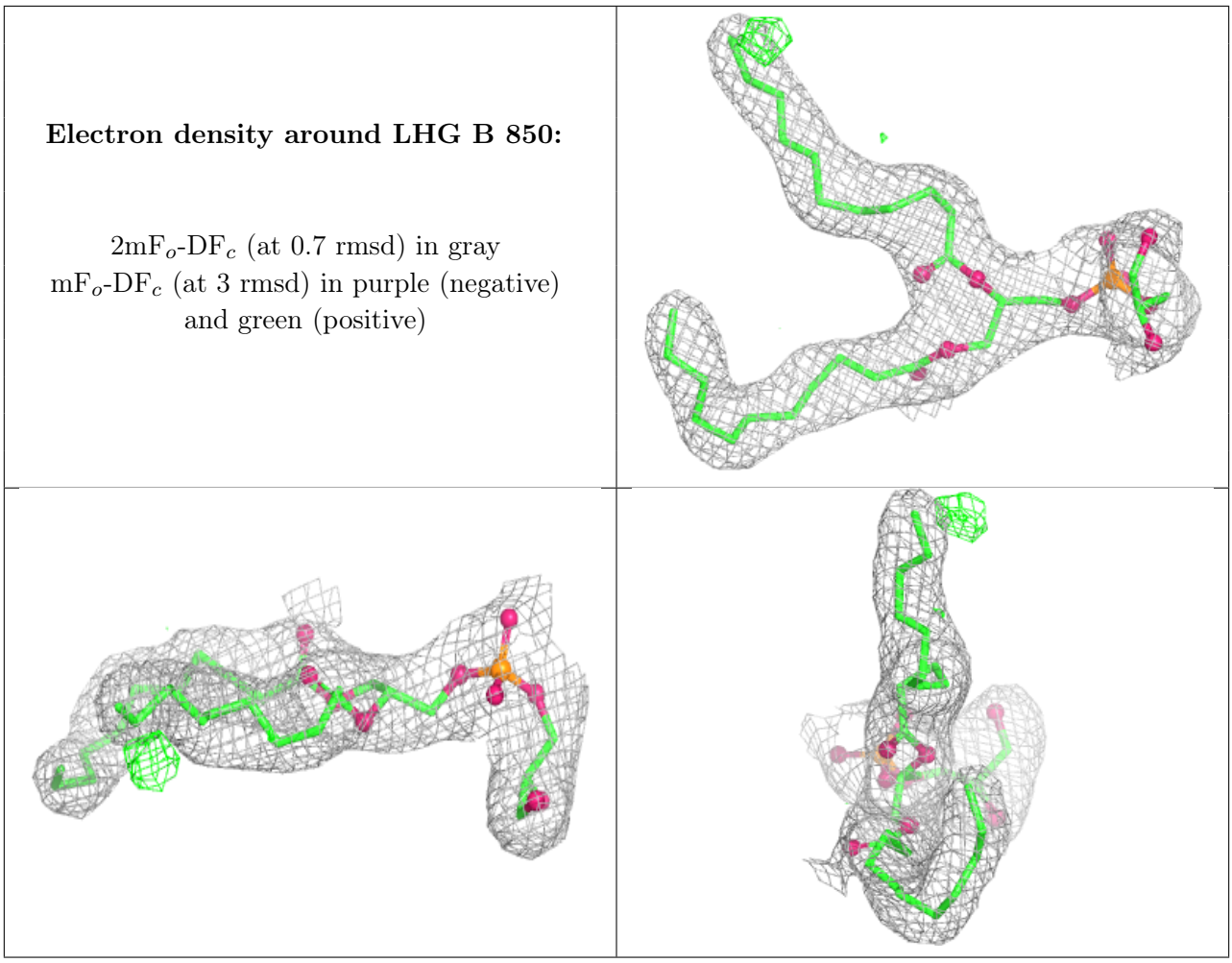






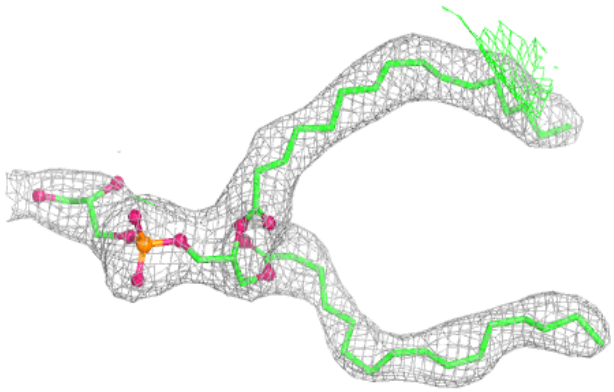
Electron density around LHG B 850:

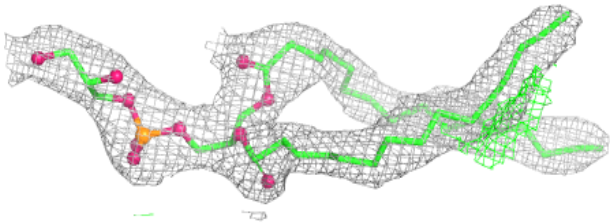
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

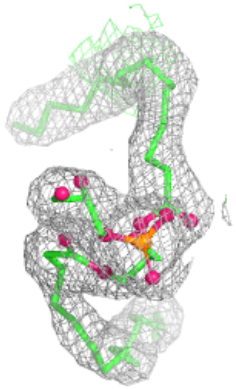


Electron density around LHG G 851:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

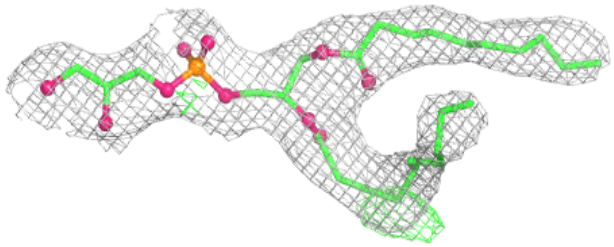


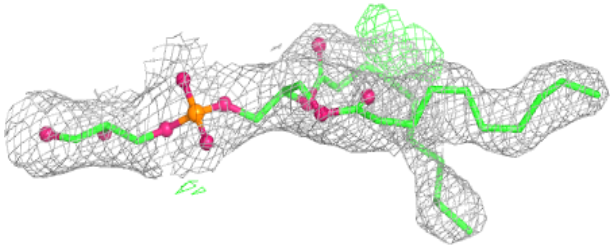


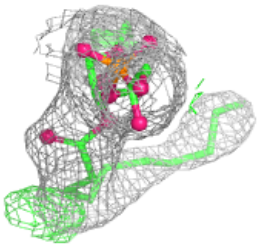


Electron density around LHG H 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

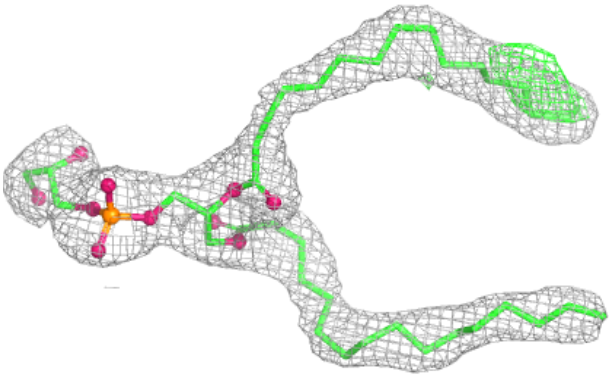


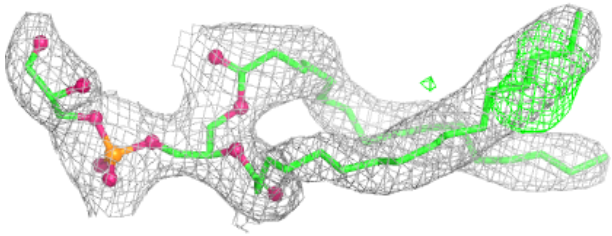


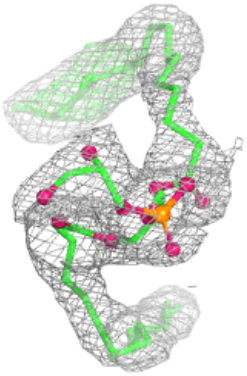


Electron density around LHG Y 852:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

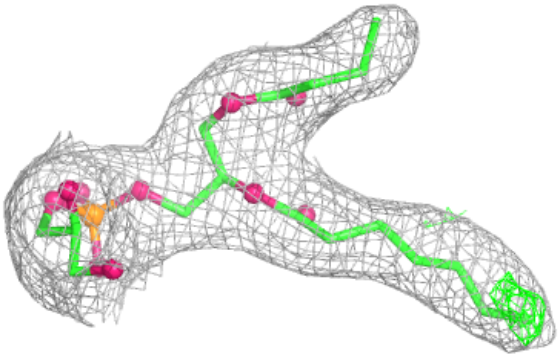


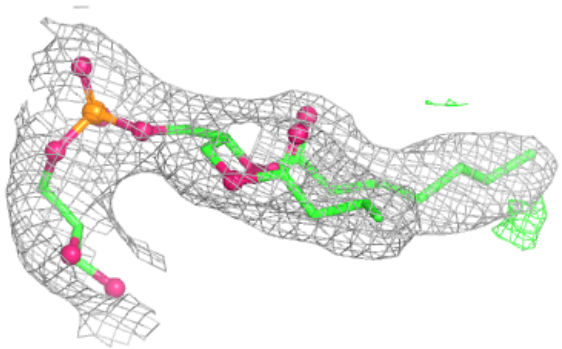


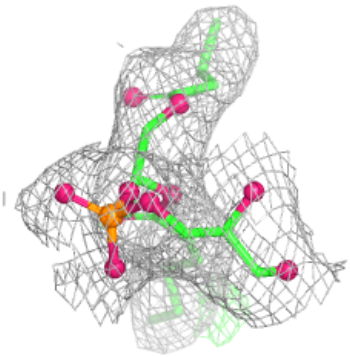


Electron density around LHG j 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

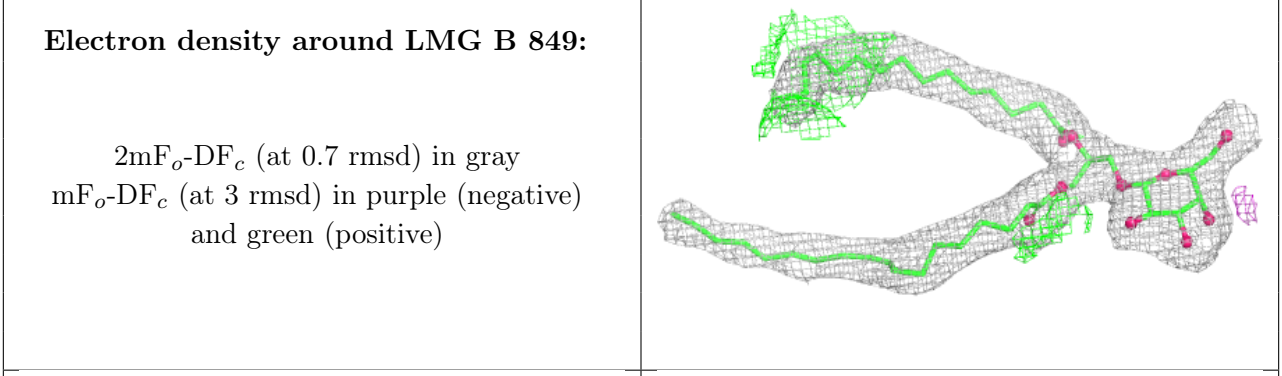






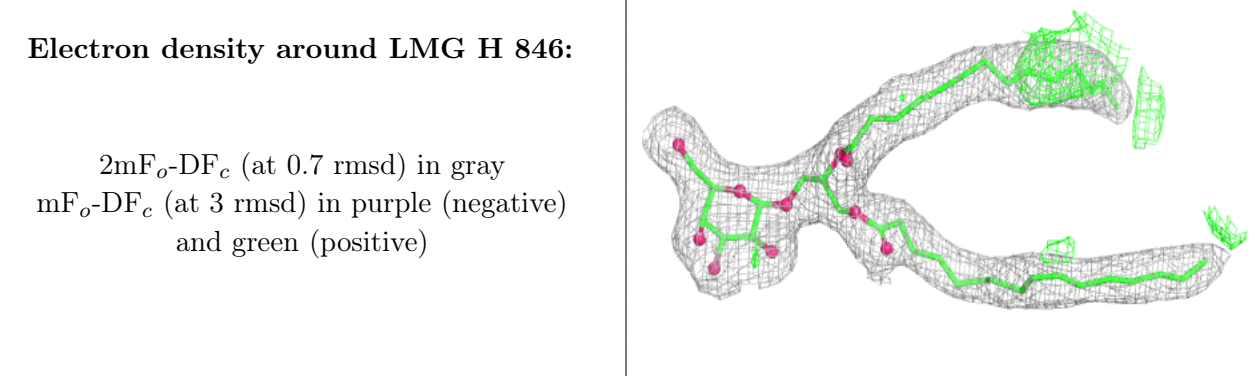
Electron density around LMG B 849:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



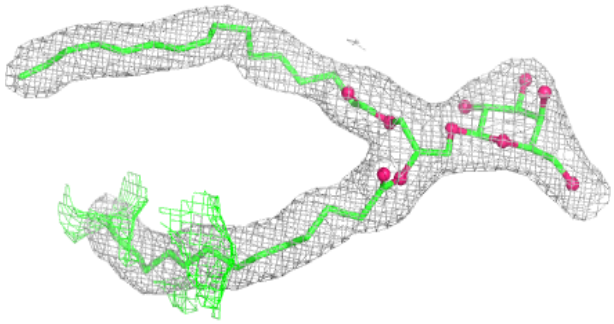
Electron density around LMG H 846:

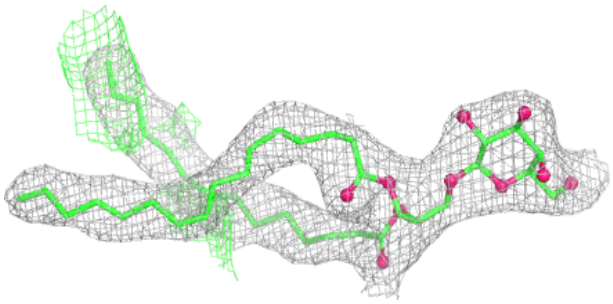
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

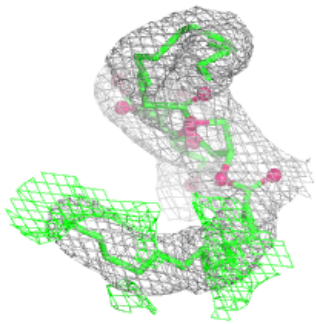


Electron density around LMG Z 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

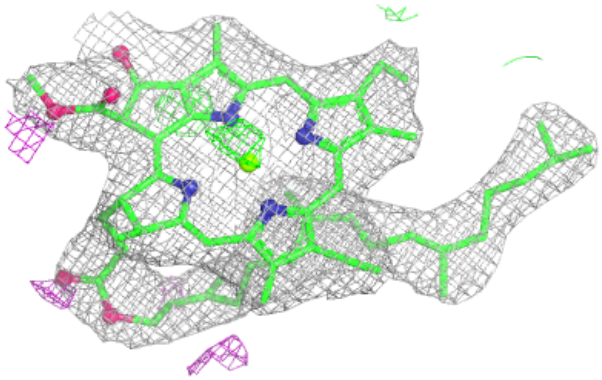


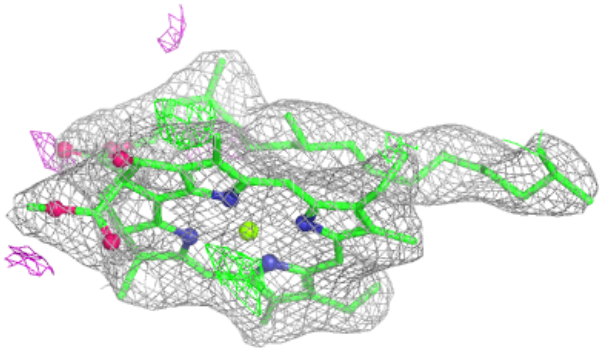


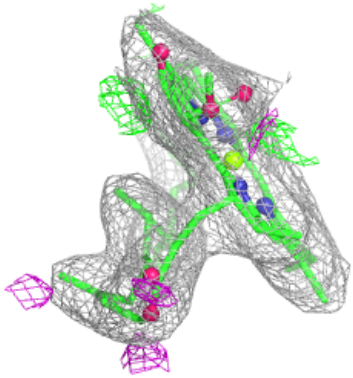


Electron density around CLA B 817:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

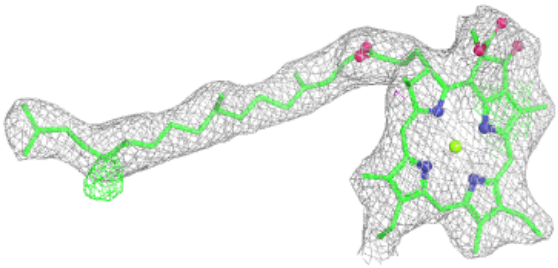




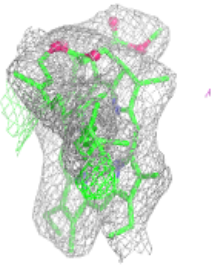


Electron density around CLA G 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

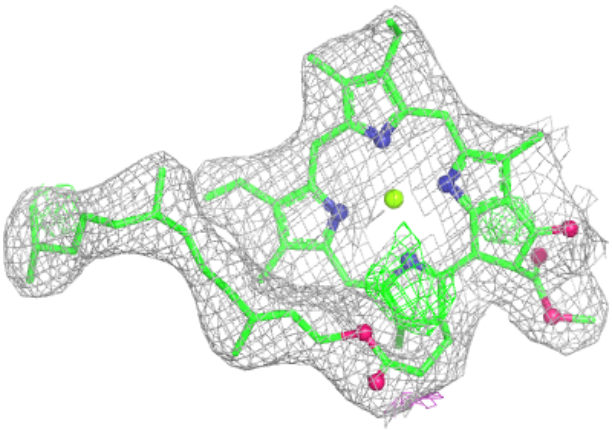


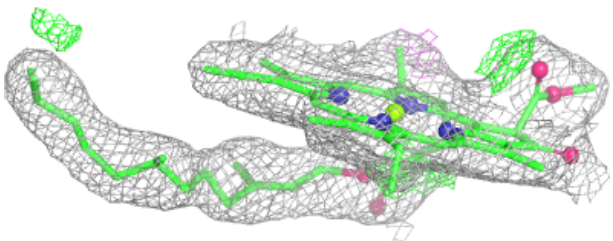


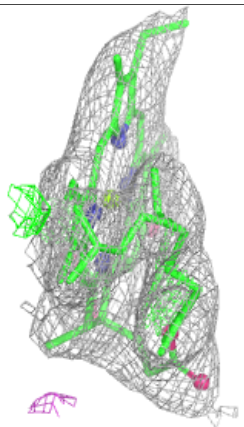


Electron density around CLA B 818:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

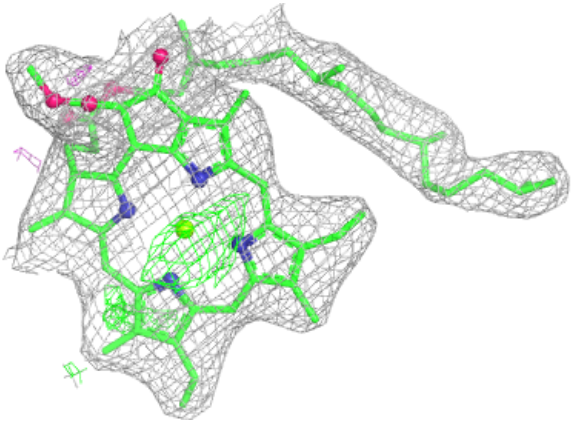


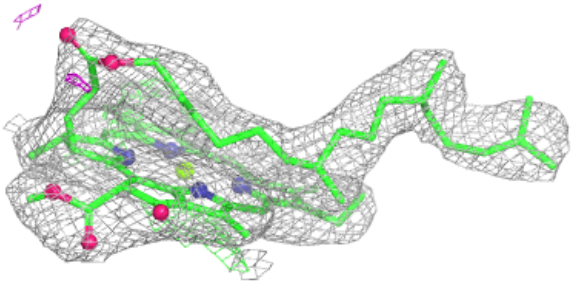


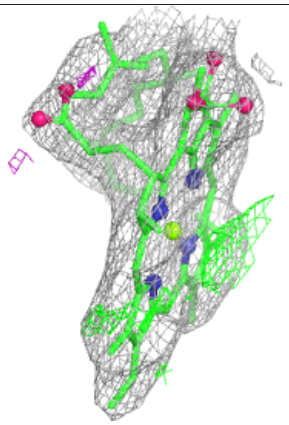


Electron density around CLA Y 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

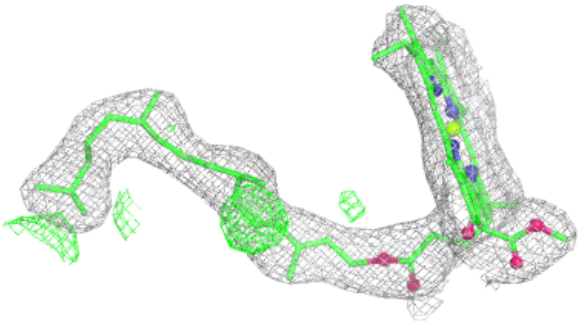


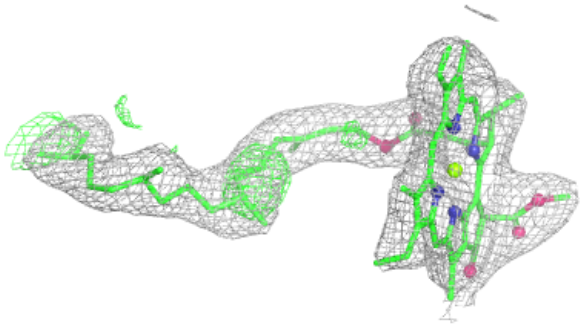


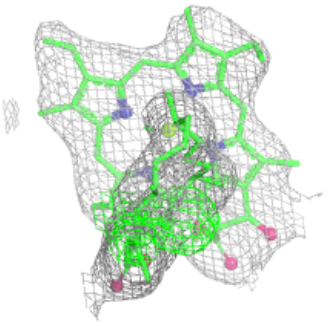


Electron density around CLA Y 830:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

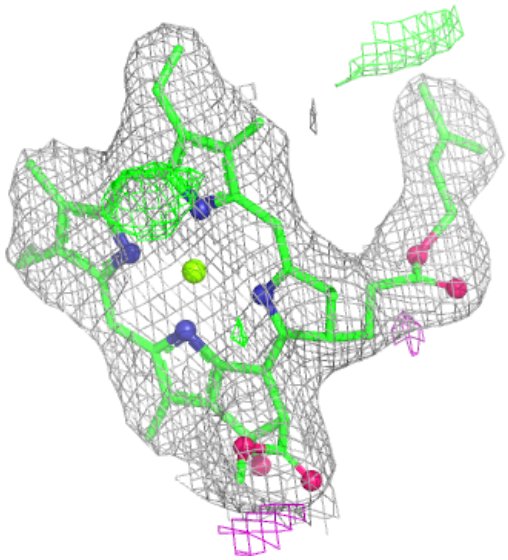


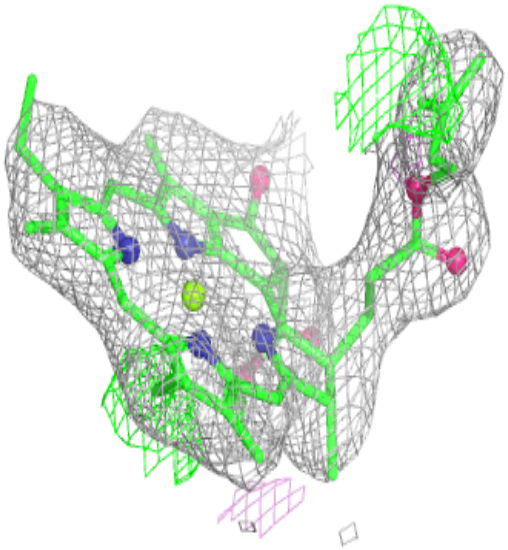


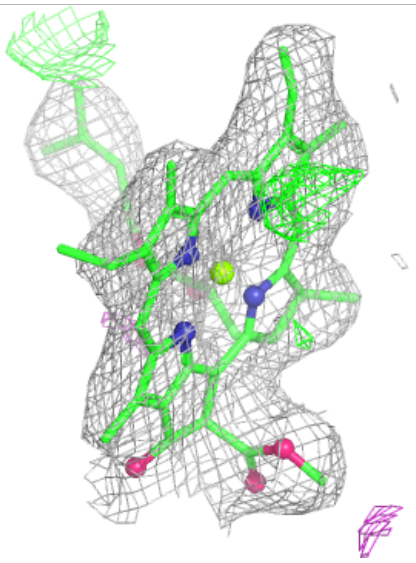


Electron density around CLA Y 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

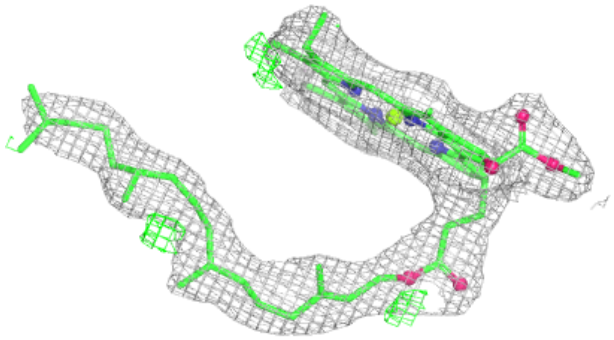


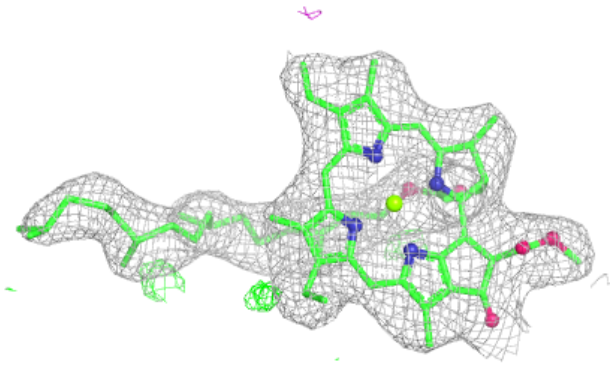


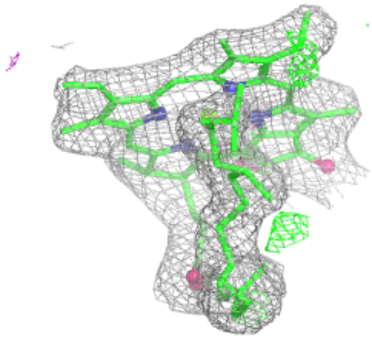


Electron density around CLA Y 832:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

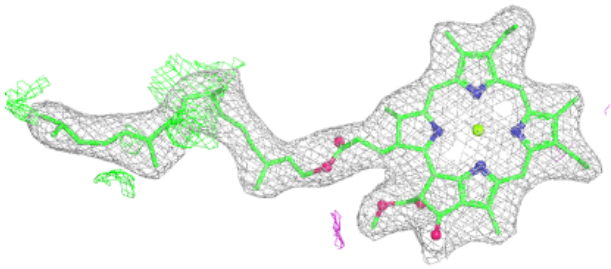


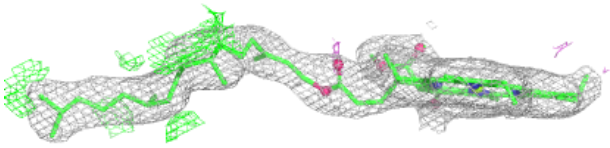




Electron density around CLA Y 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

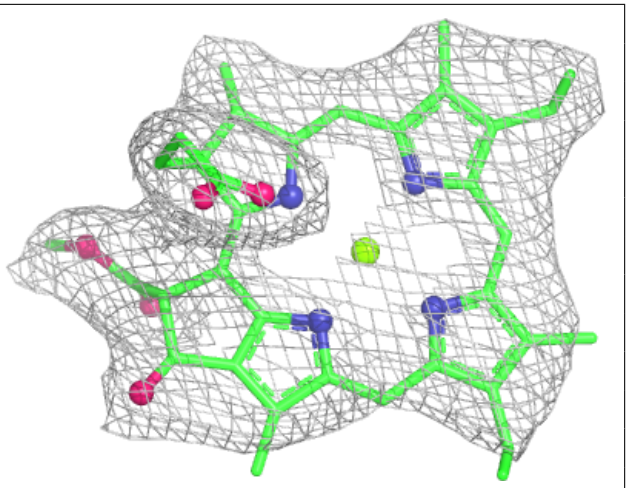


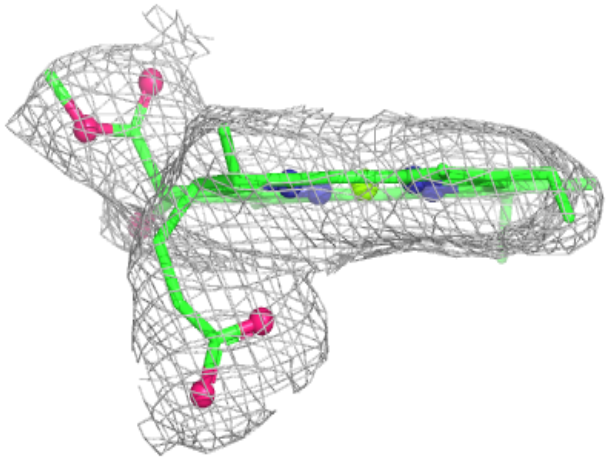


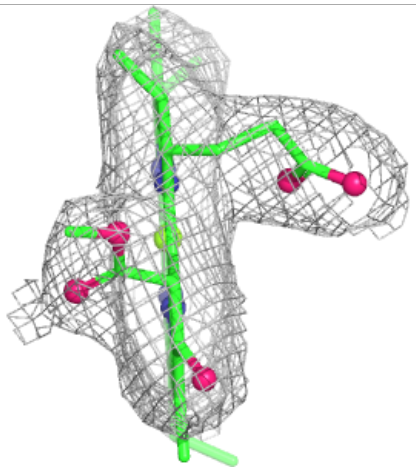


Electron density around CLA G 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

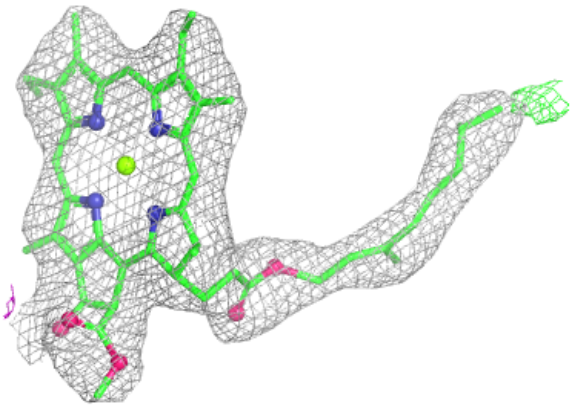


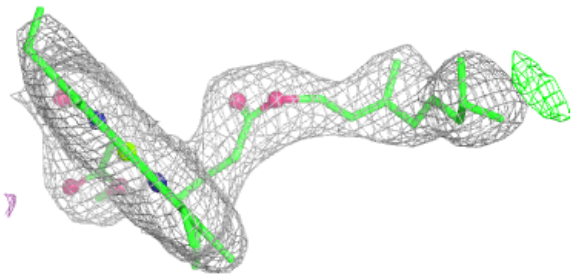


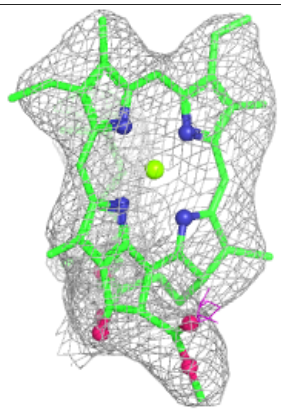


Electron density around CLA Y 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

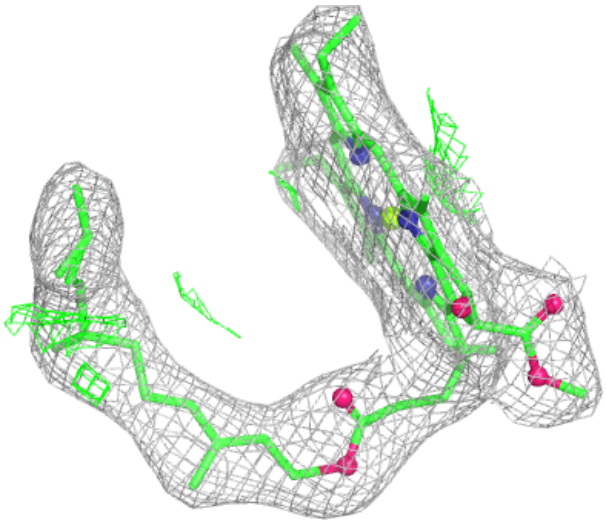


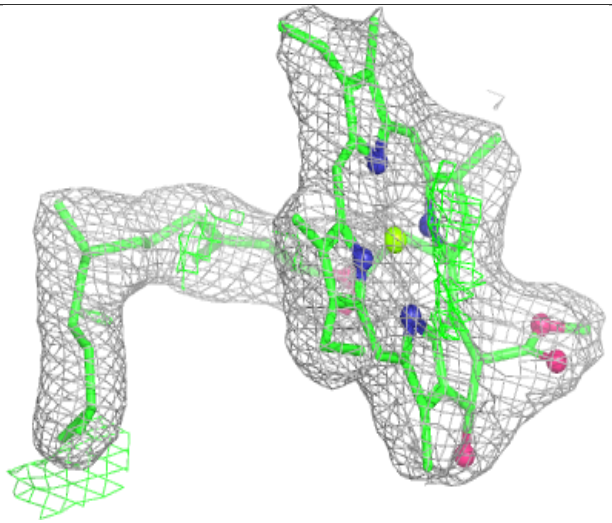


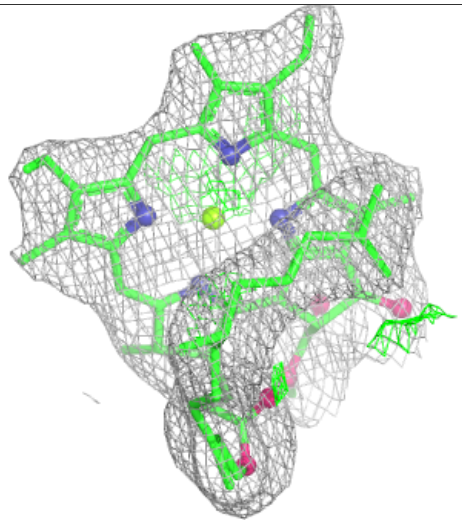


Electron density around CLA B 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

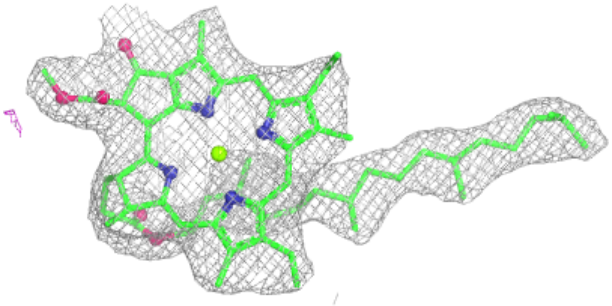


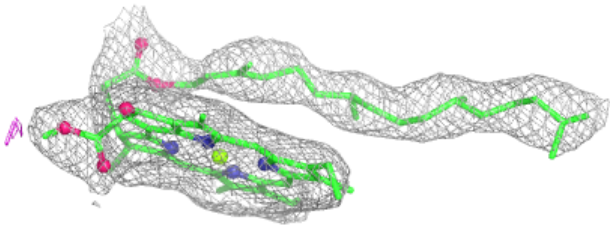


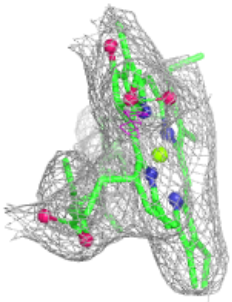


Electron density around CLA A 818:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

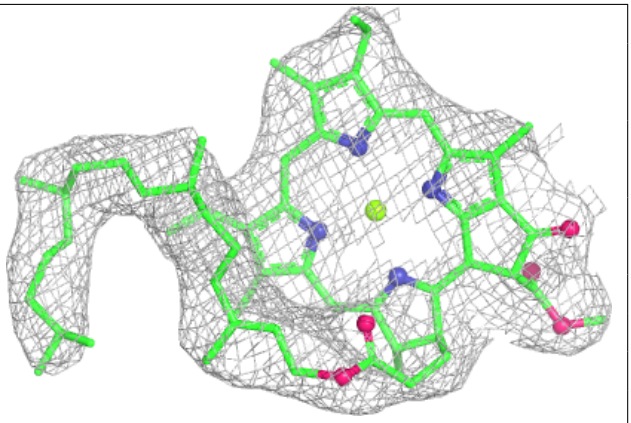


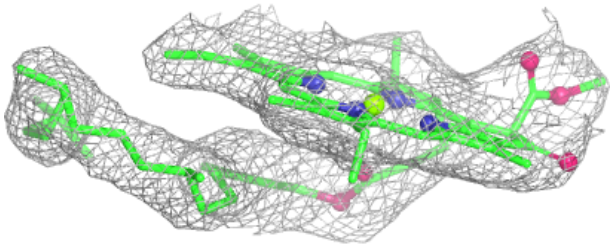


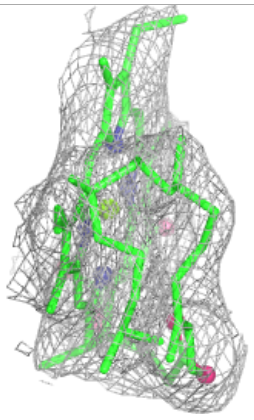


Electron density around CLA A 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

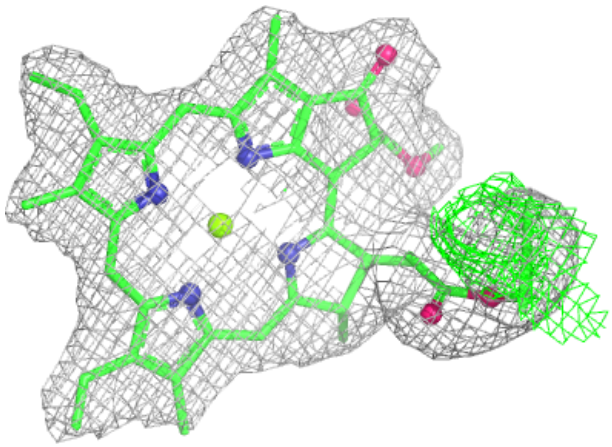


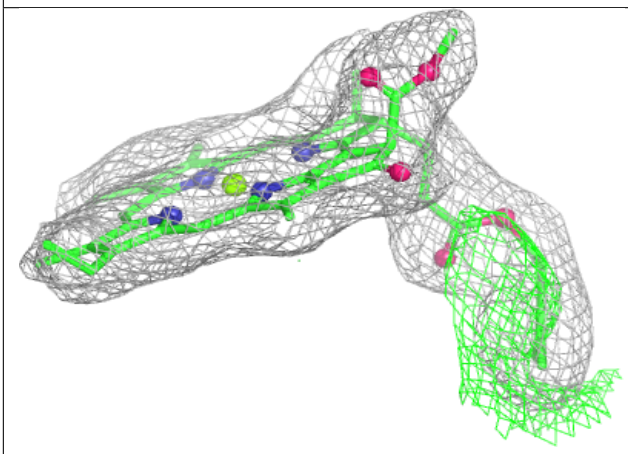


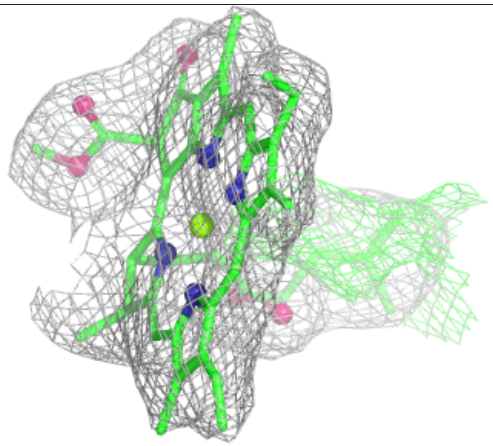


Electron density around CLA Y 839:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

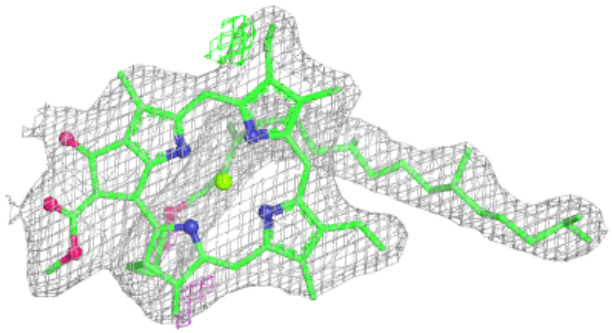


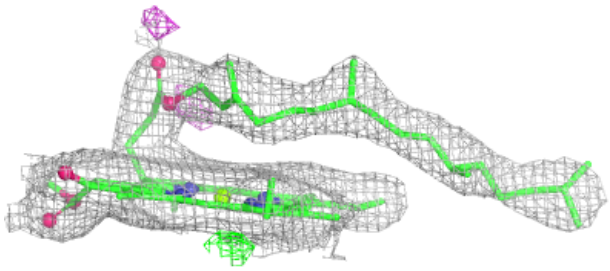


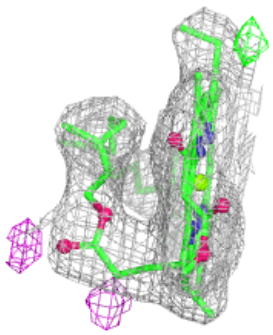


Electron density around CLA Y 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

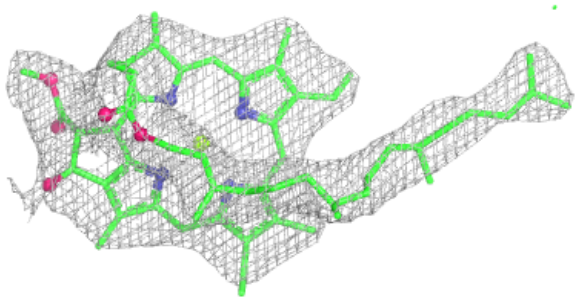


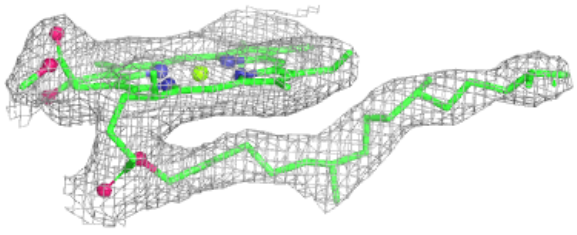


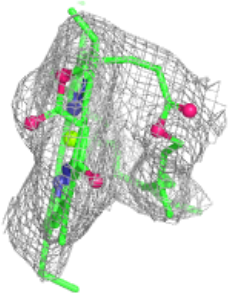


Electron density around CLA G 839:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

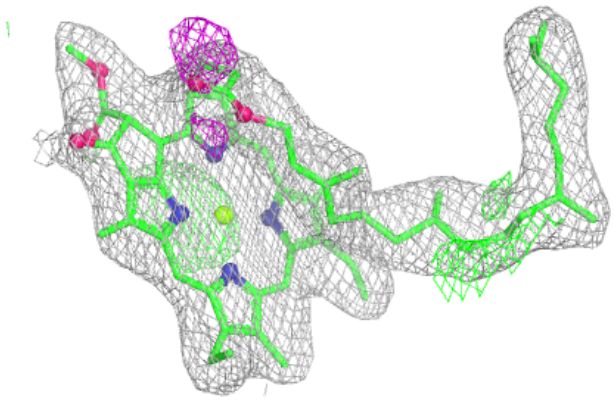


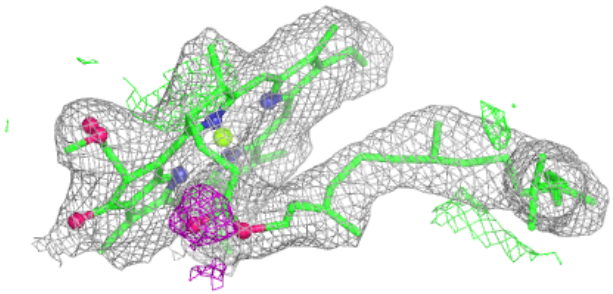


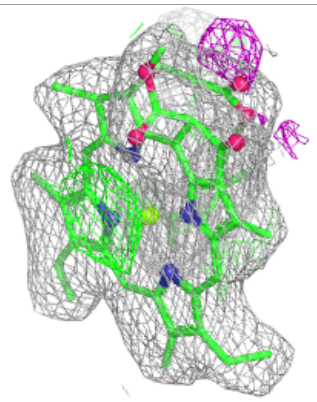


Electron density around CLA Y 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

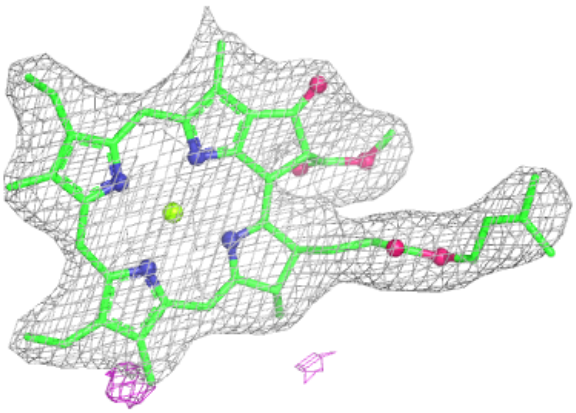


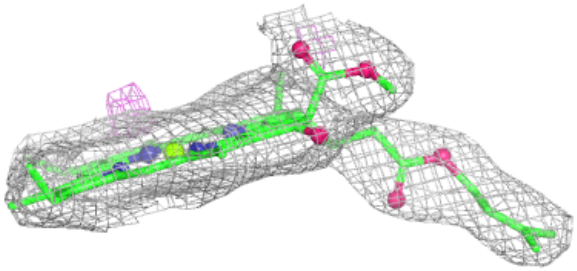


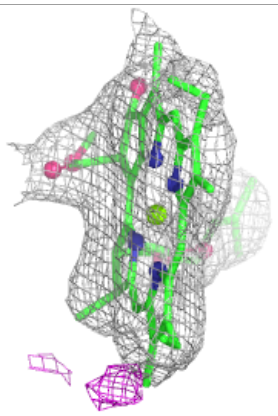


Electron density around CLA G 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

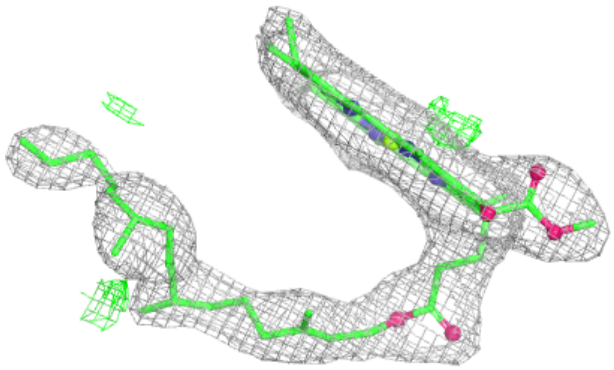


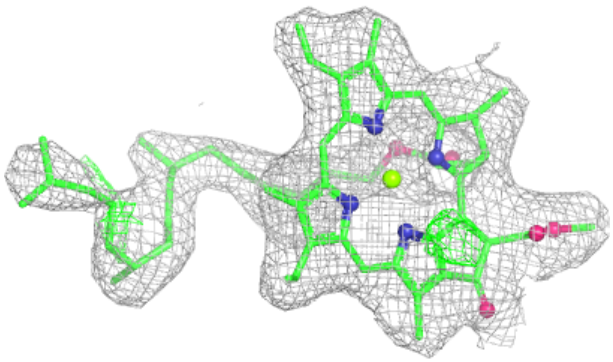


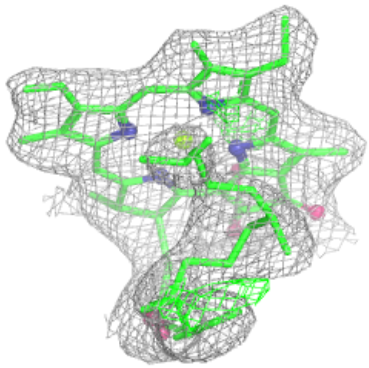


Electron density around CLA A 832:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

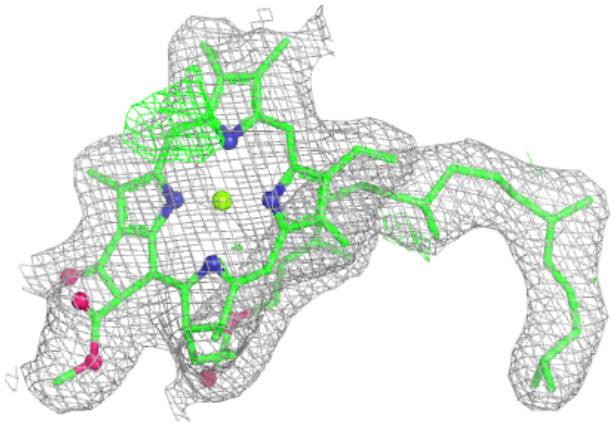


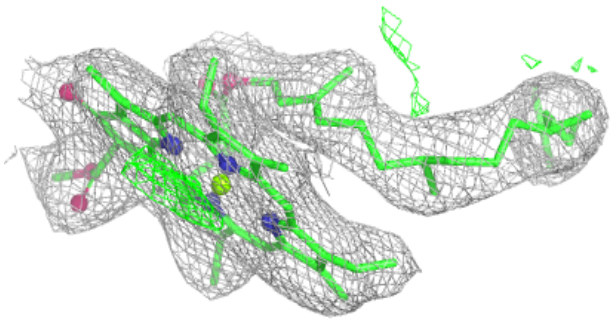


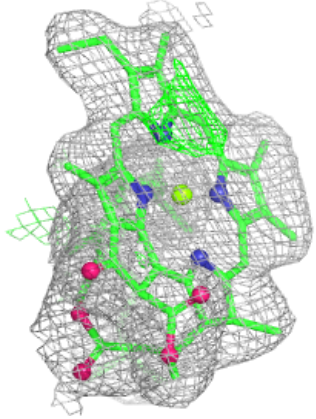


Electron density around CLA G 842:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



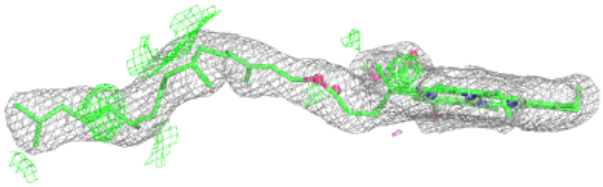




Electron density around CLA A 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

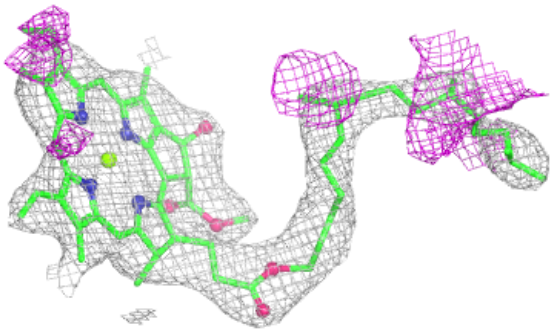


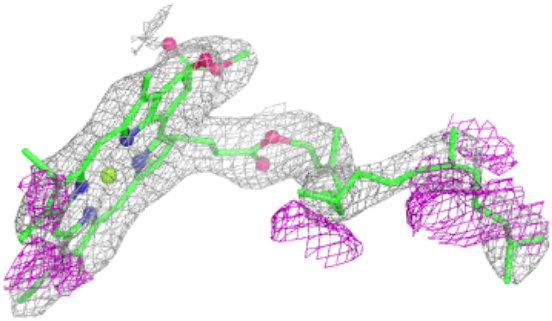


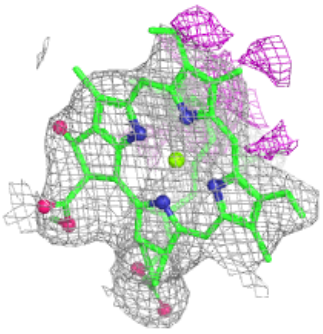


Electron density around CLA Z 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

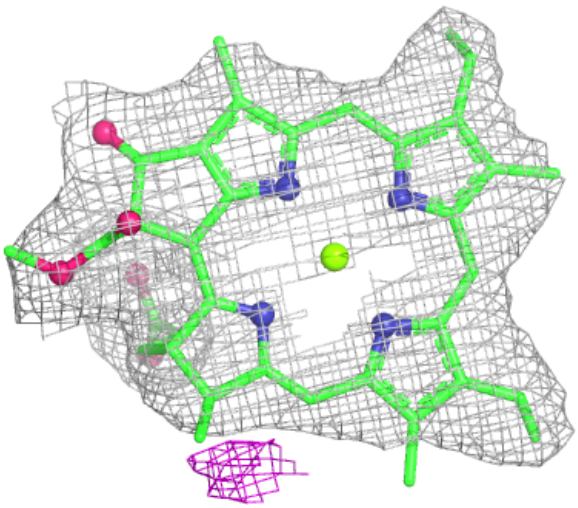


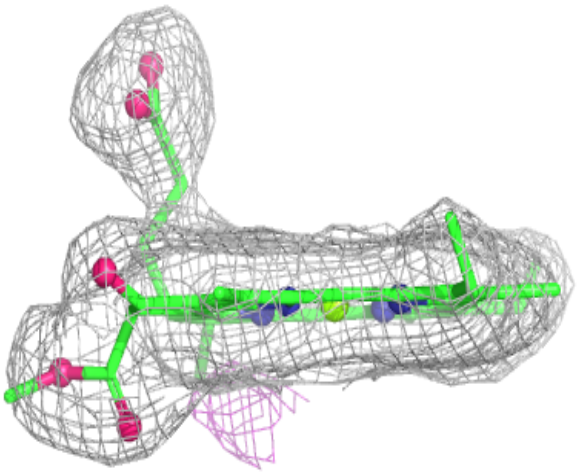


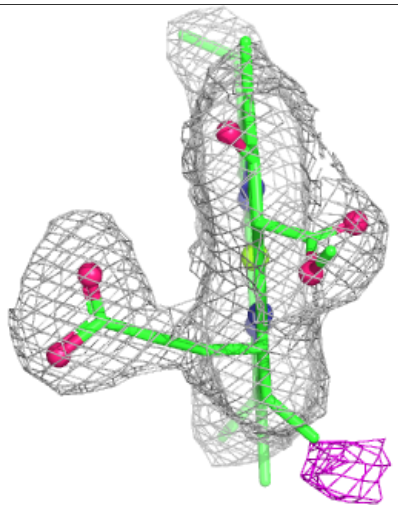


Electron density around CLA G 853:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

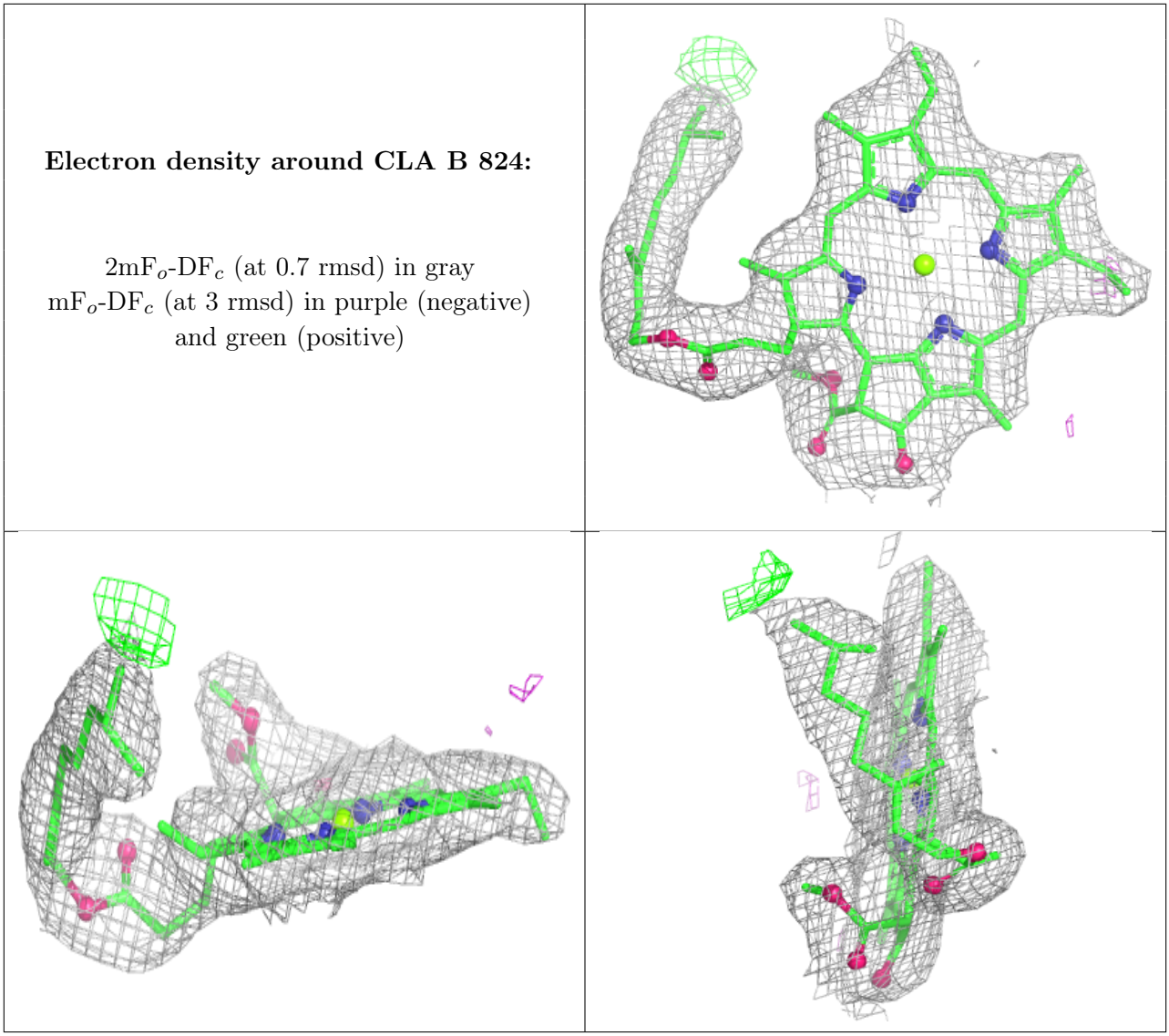






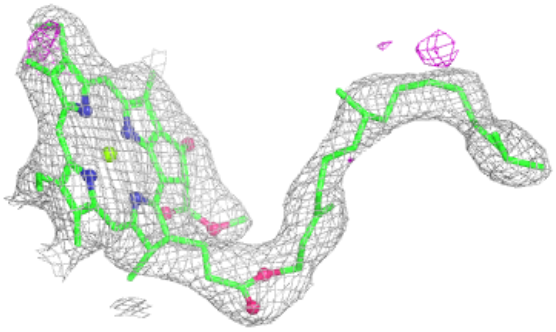
Electron density around CLA B 824:

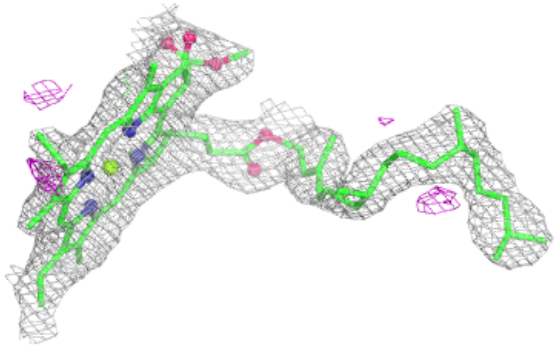
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

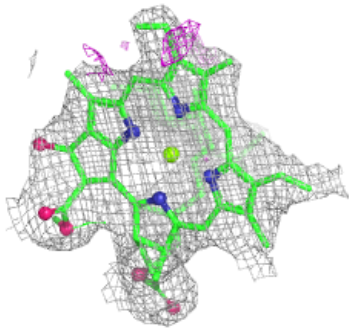


Electron density around CLA H 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

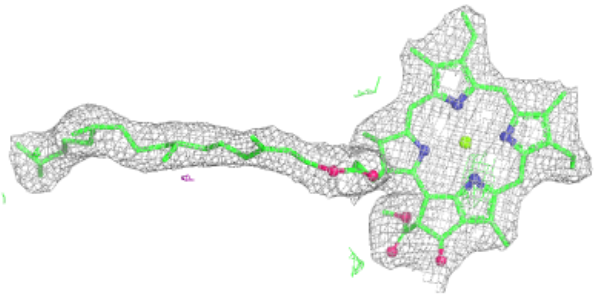


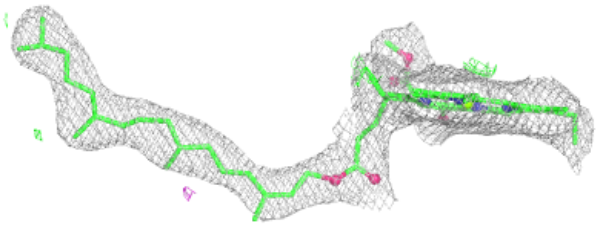




Electron density around CLA B 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

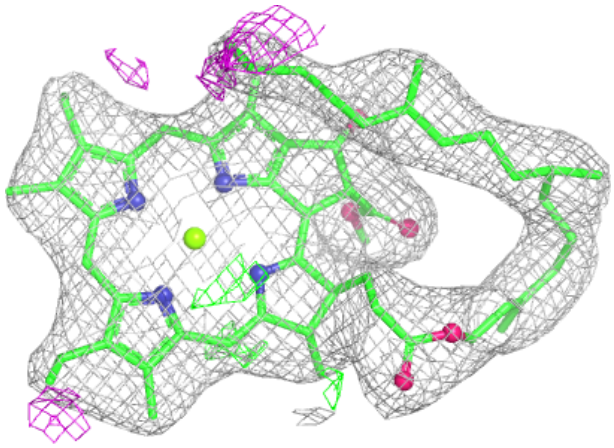


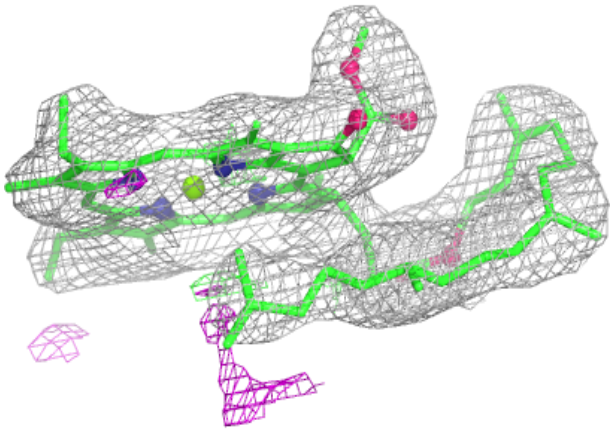


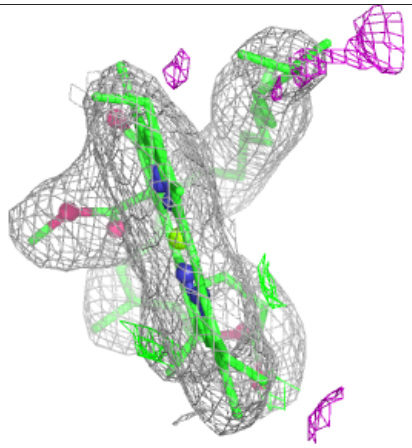


Electron density around CLA H 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

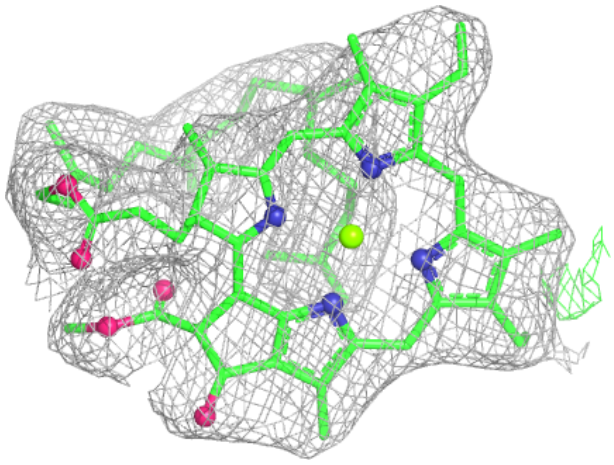


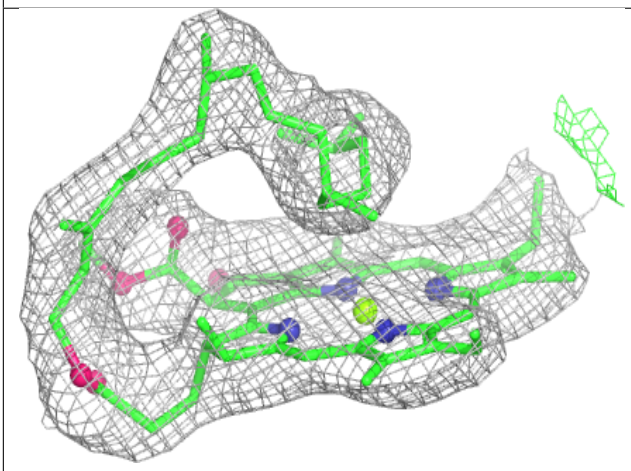


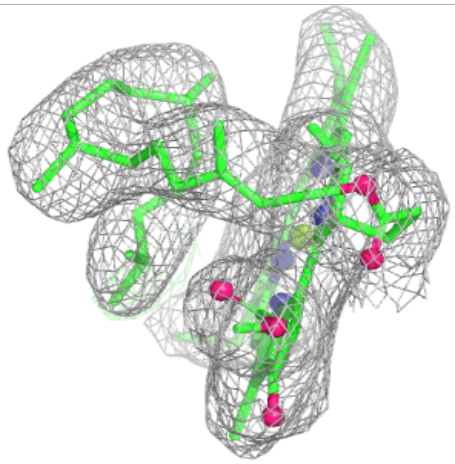


Electron density around CLA H 805:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

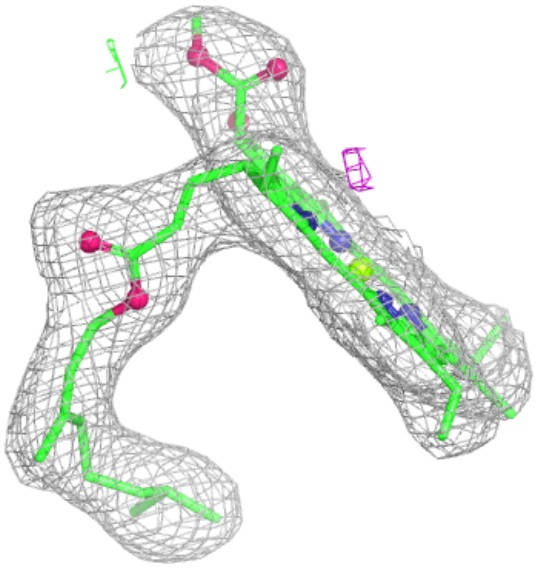


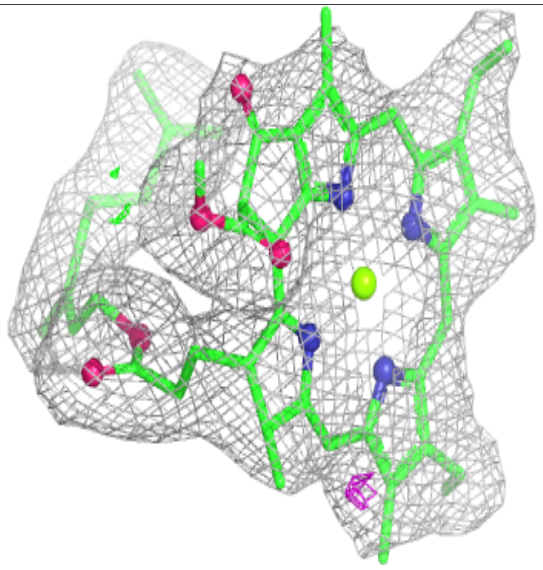


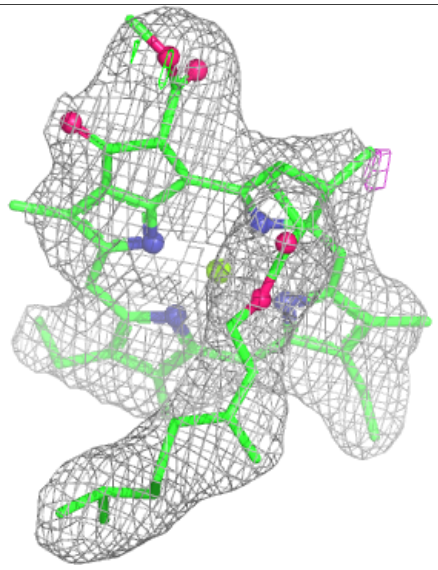


Electron density around CLA Z 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

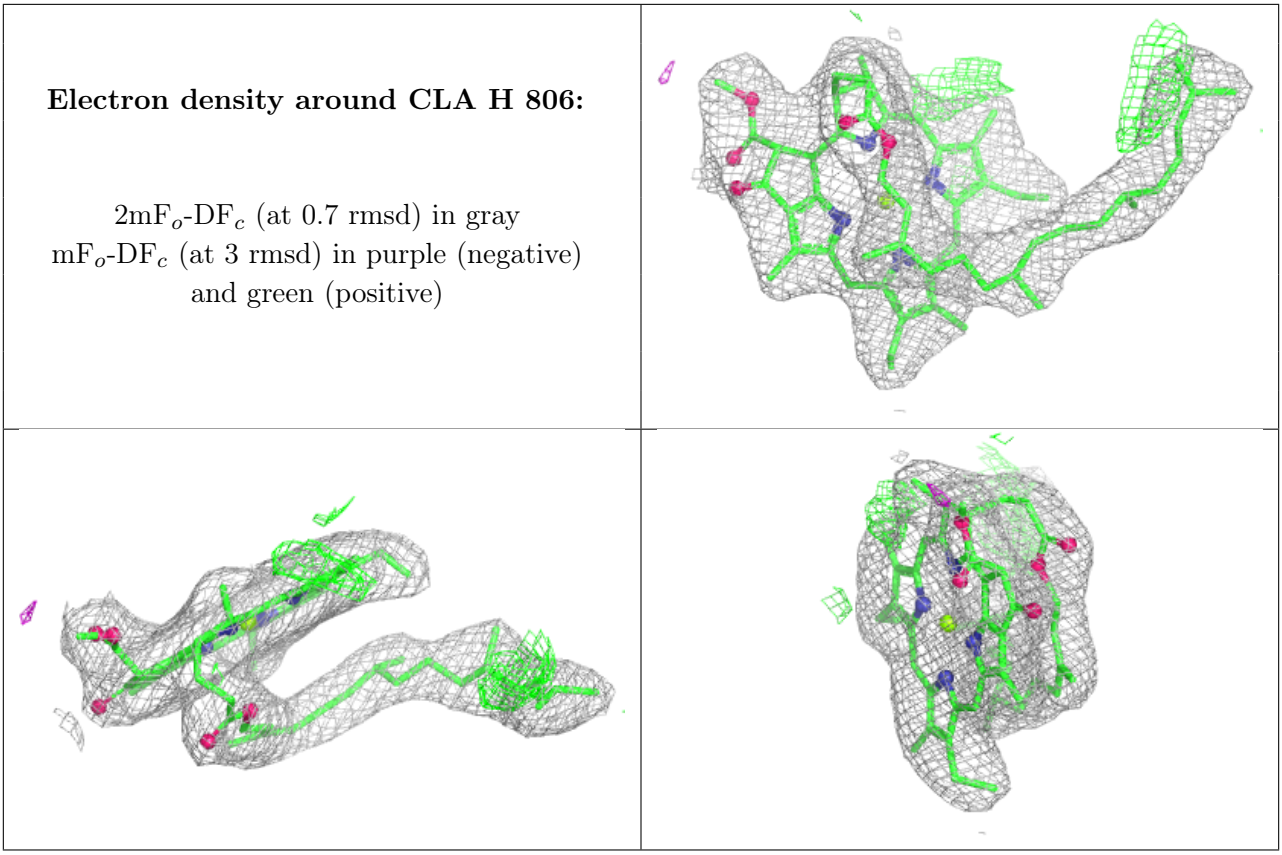






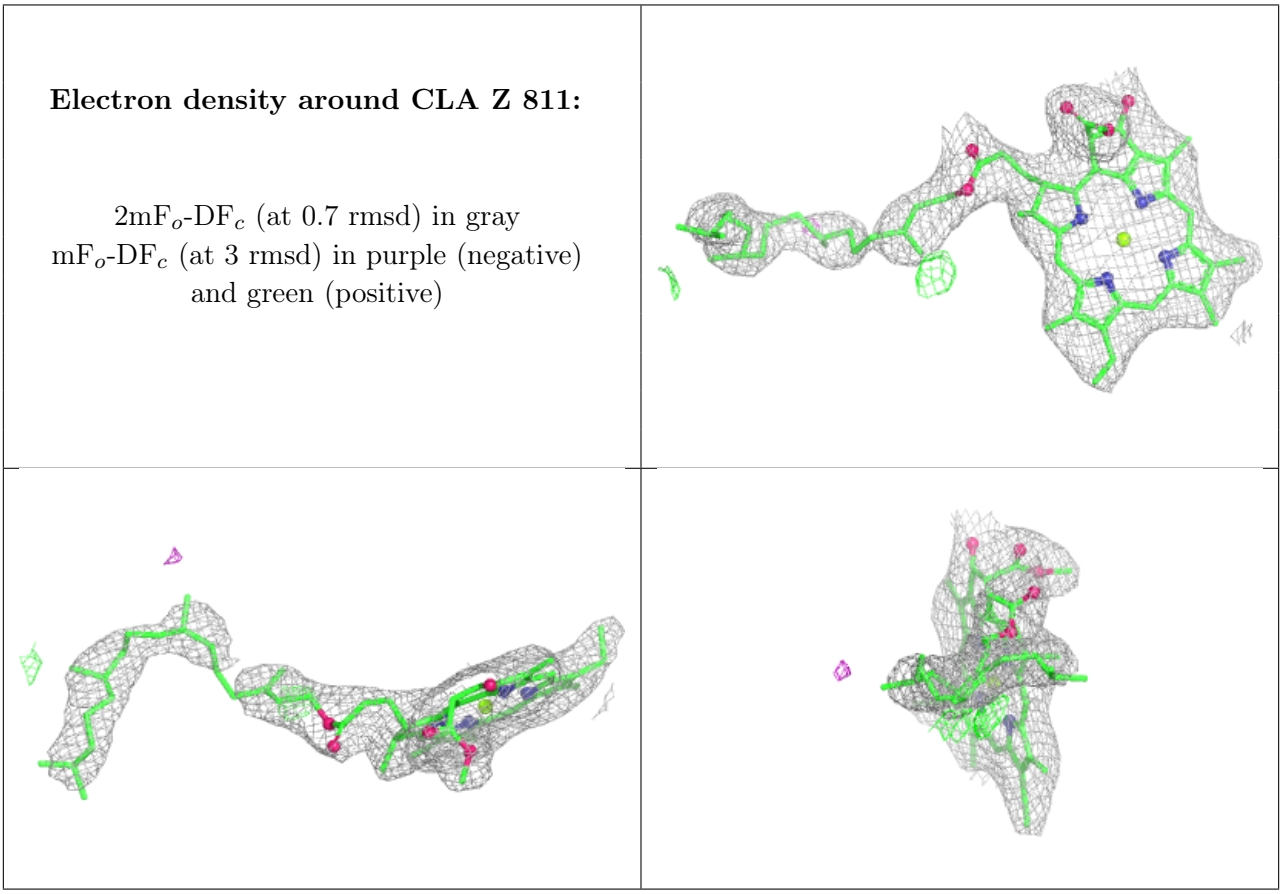
Electron density around CLA H 806:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



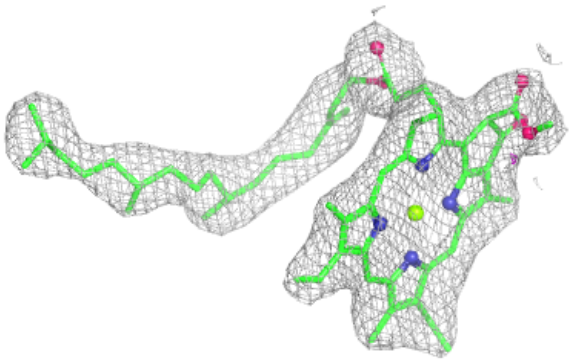
Electron density around CLA Z 811:

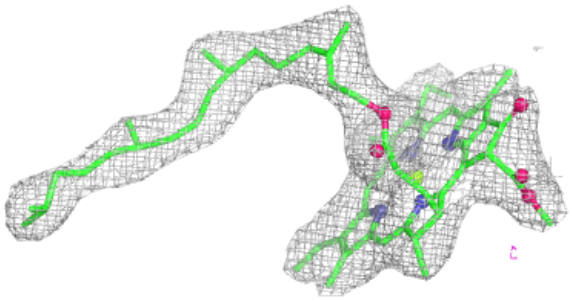
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

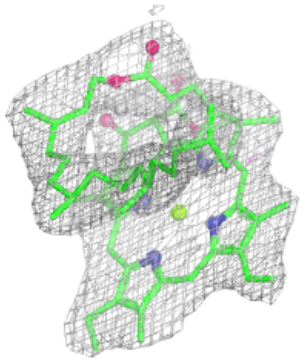


Electron density around CLA Z 812:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

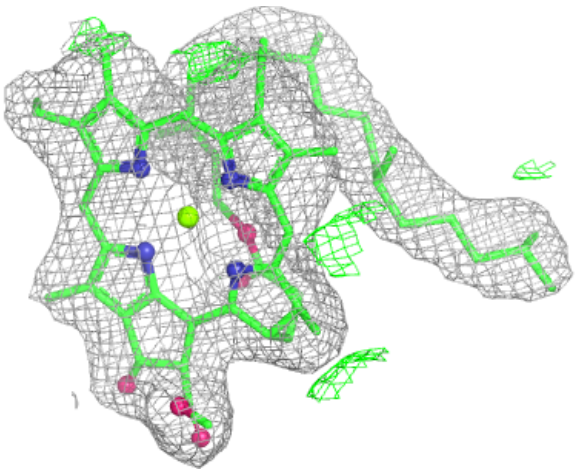


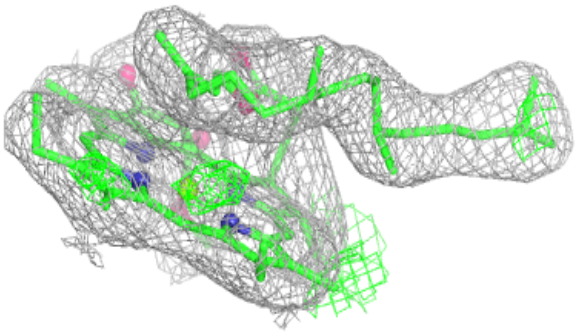


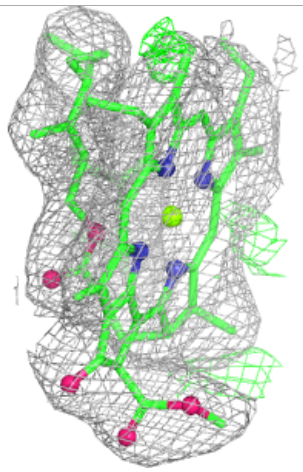


Electron density around CLA H 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

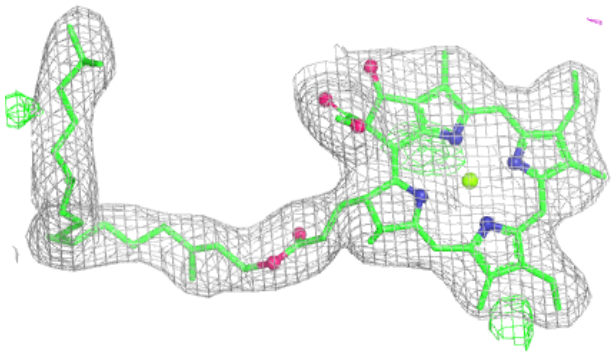


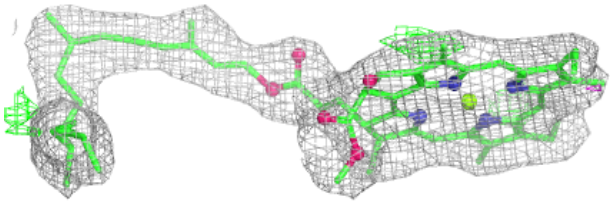


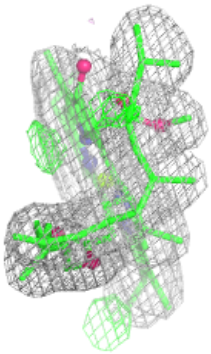


Electron density around CLA B 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

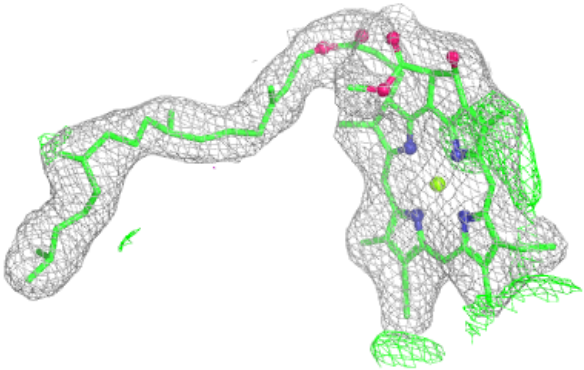


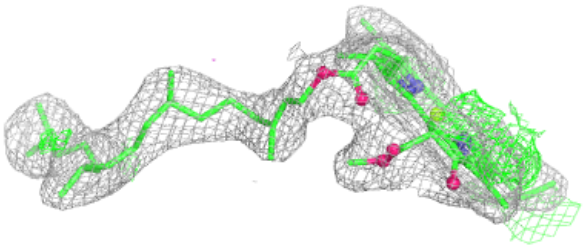


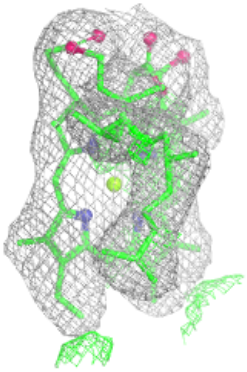


Electron density around CLA H 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

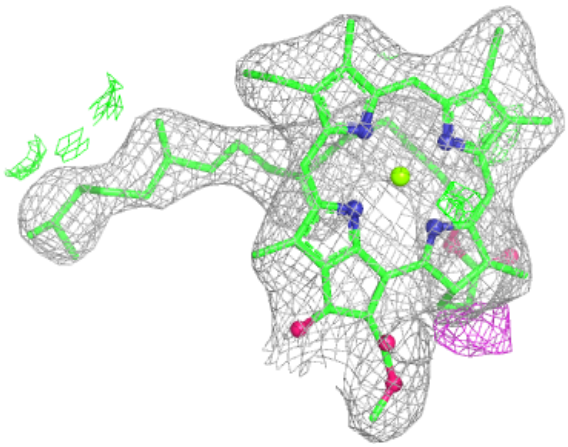


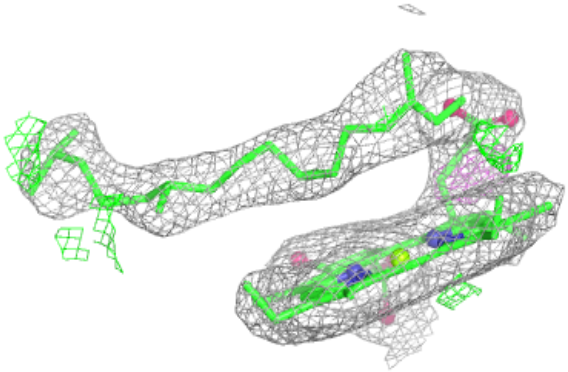


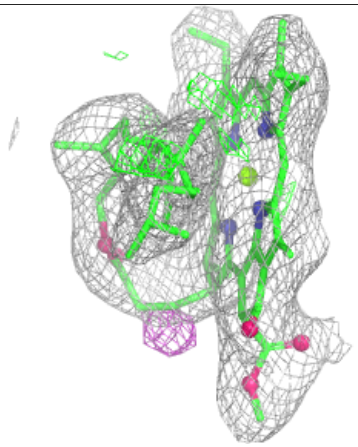


Electron density around CLA B 827:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

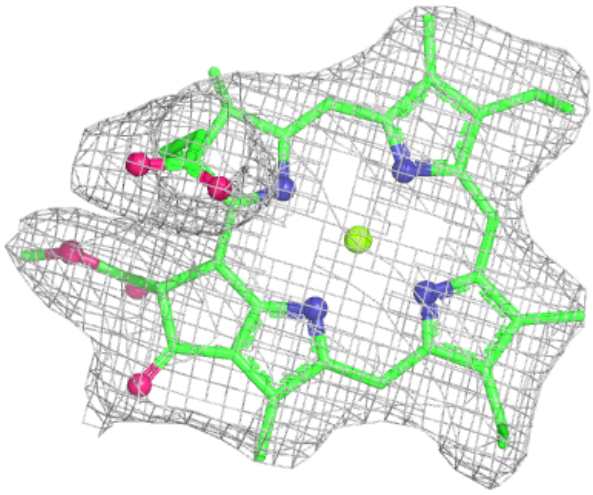


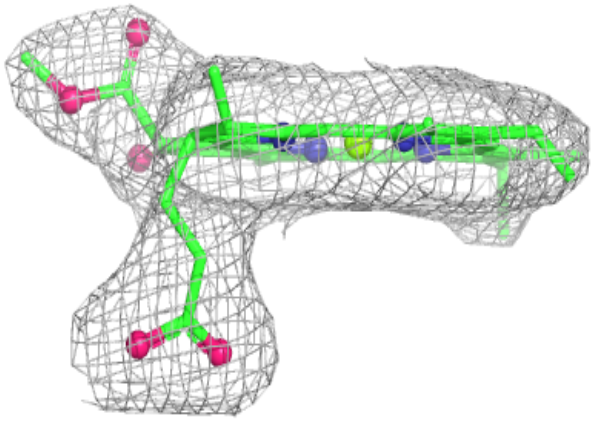


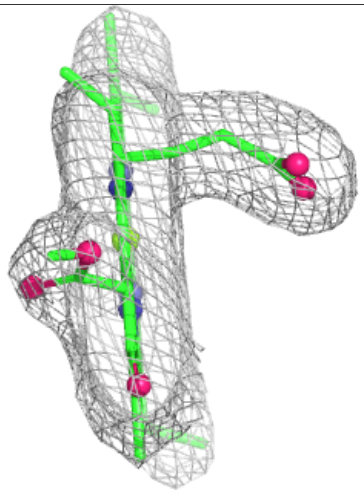


Electron density around CLA H 811:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

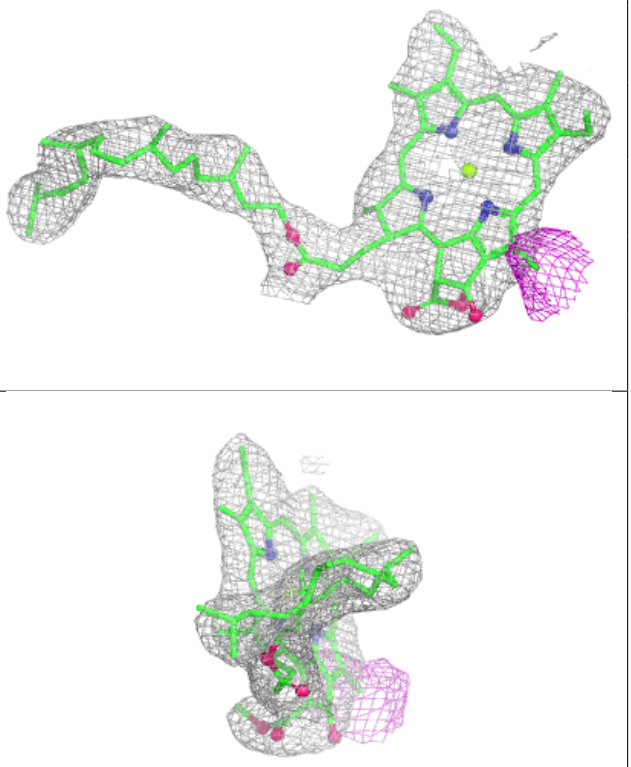


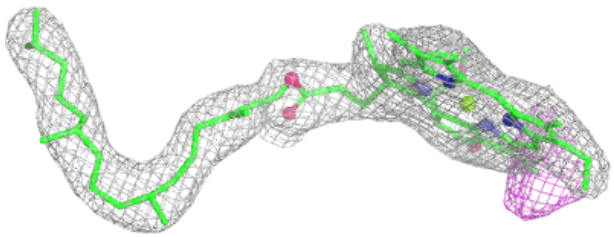




Electron density around CLA H 812:

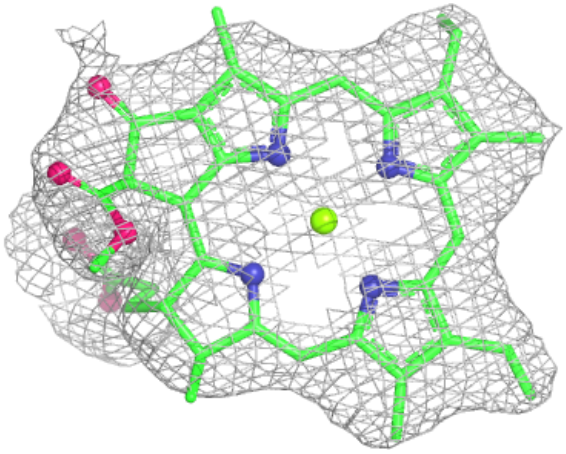
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

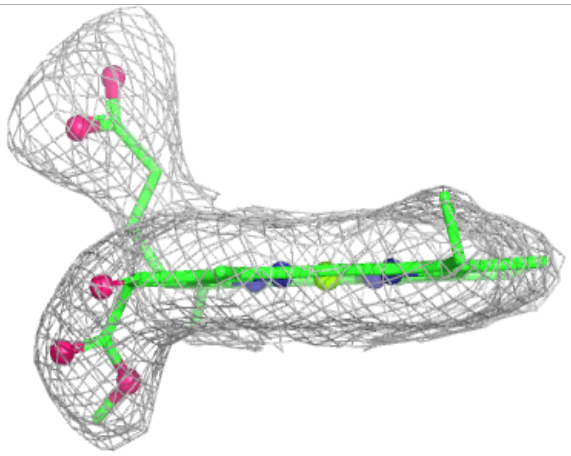


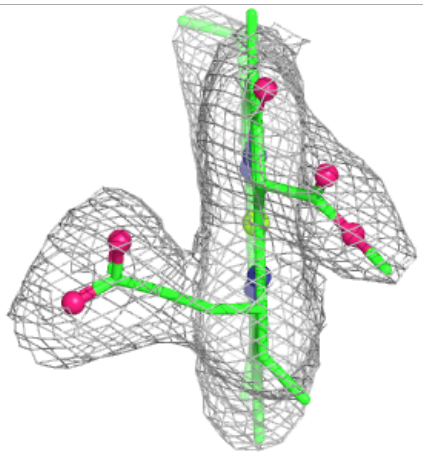


Electron density around CLA Z 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

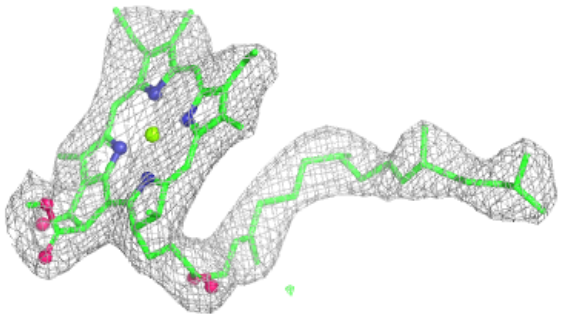


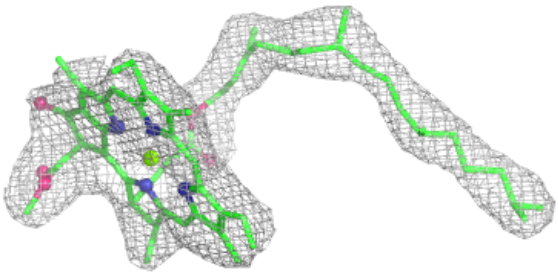


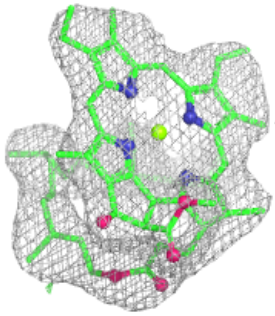


Electron density around CLA H 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

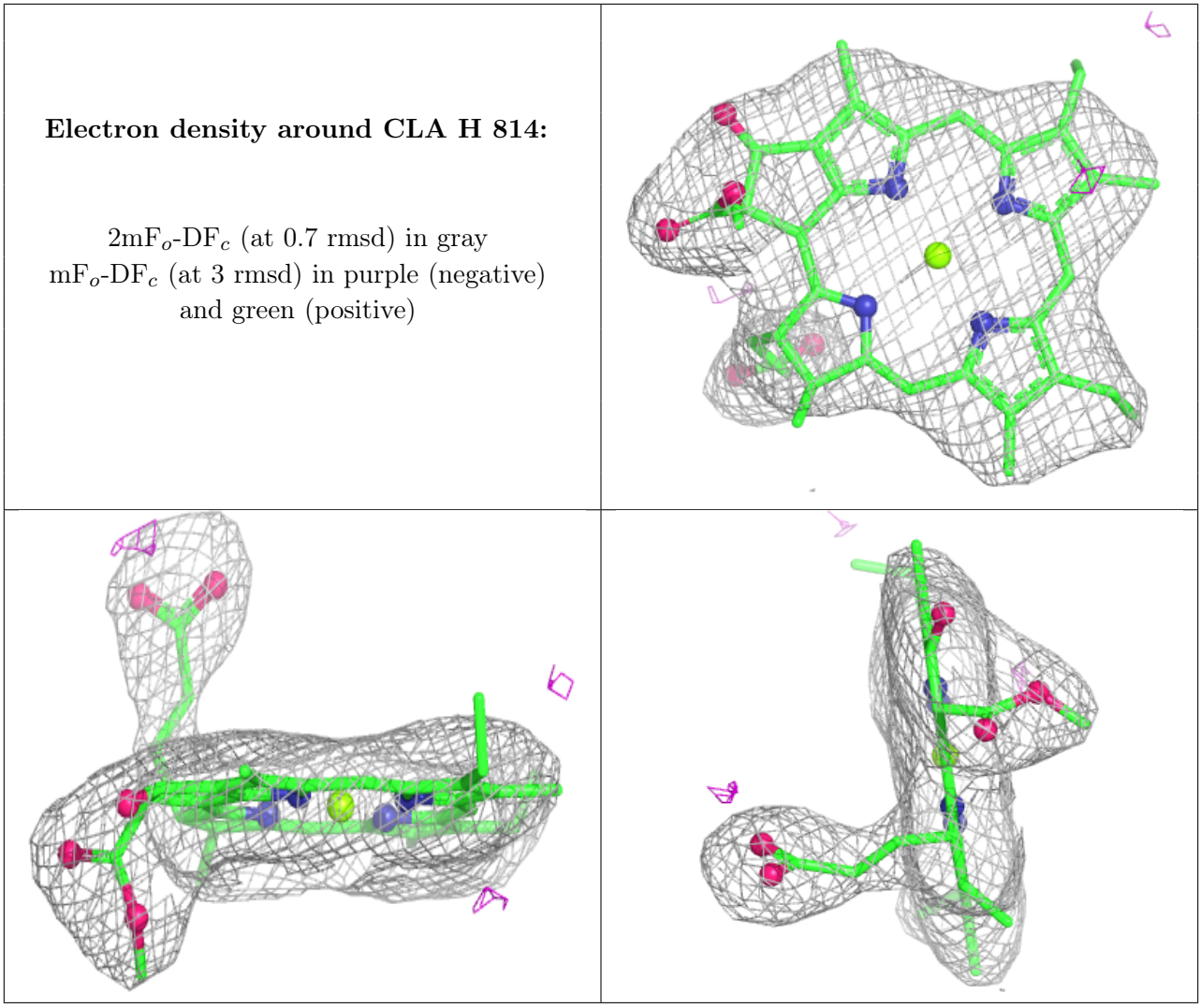






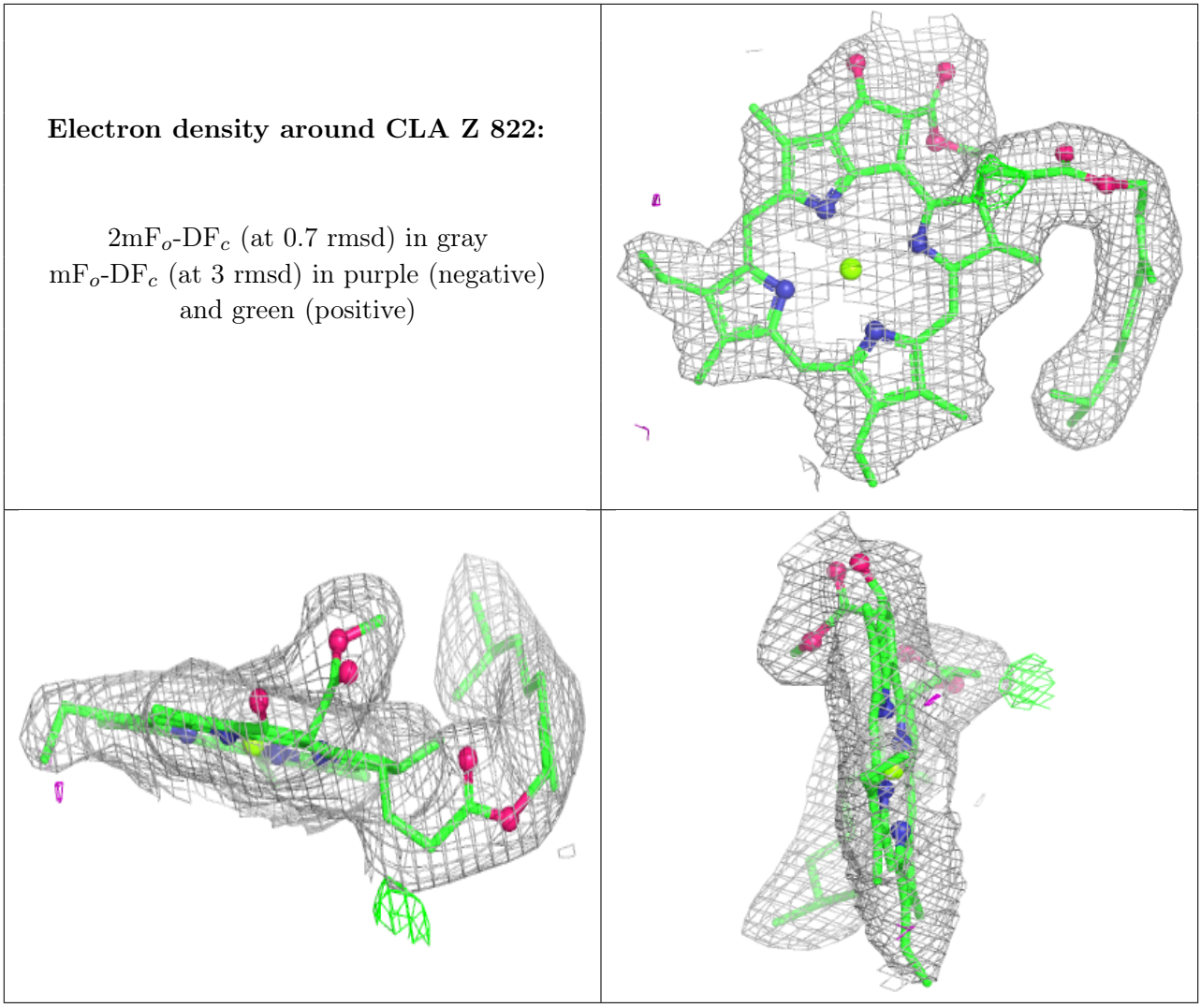
Electron density around CLA H 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



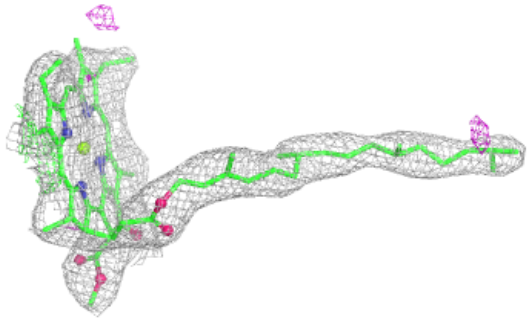
Electron density around CLA Z 822:

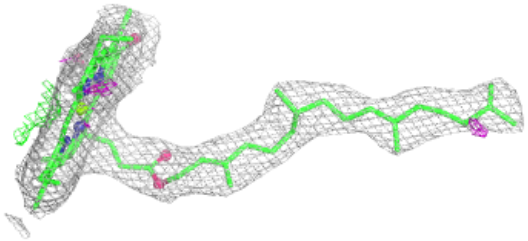
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

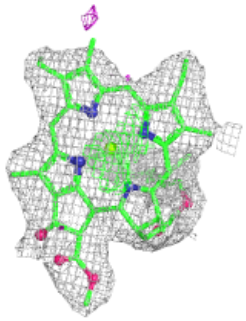


Electron density around CLA B 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

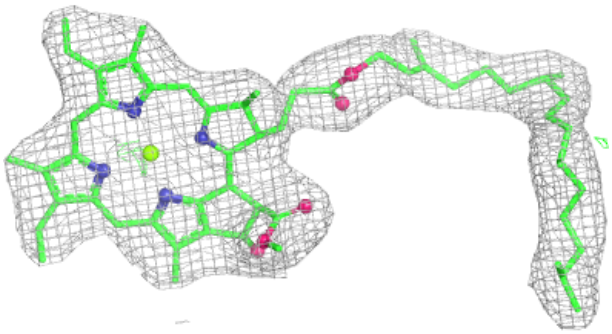


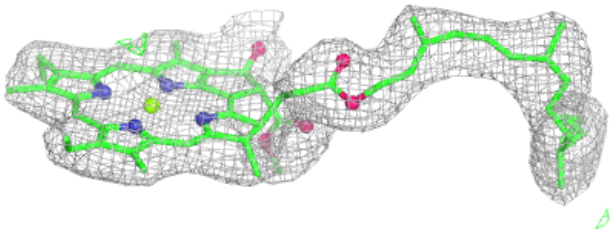


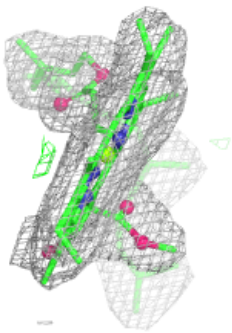


Electron density around CLA Z 824:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

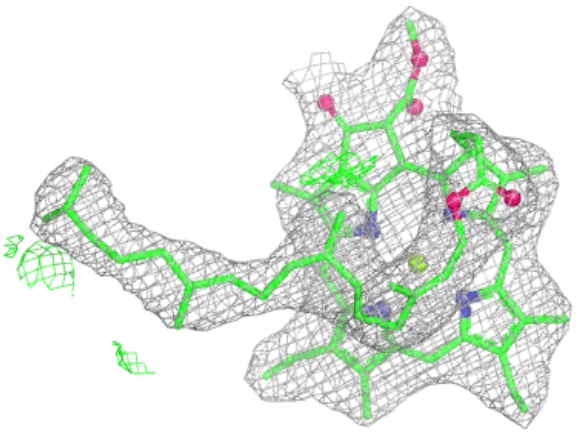


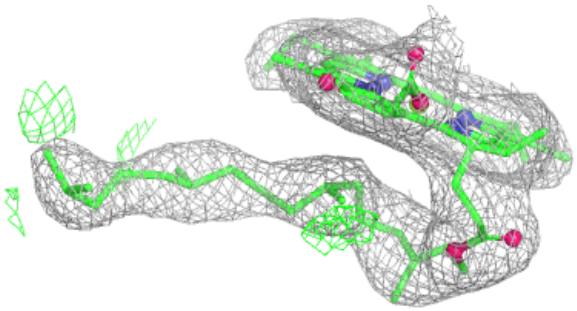


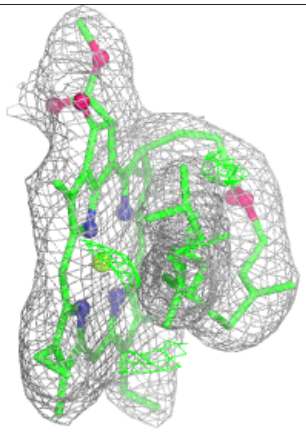


Electron density around CLA Z 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

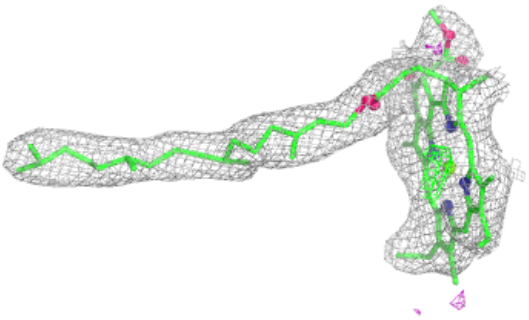


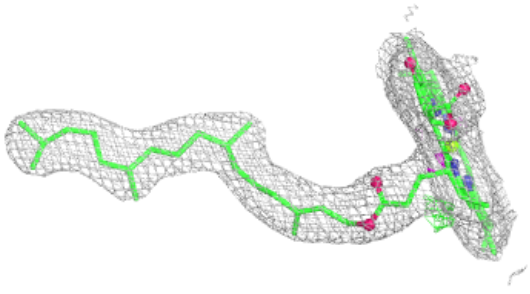


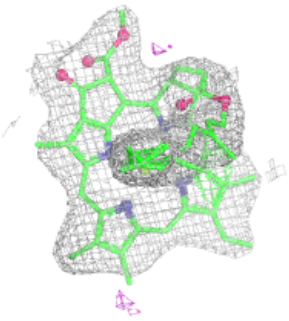


Electron density around CLA Z 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

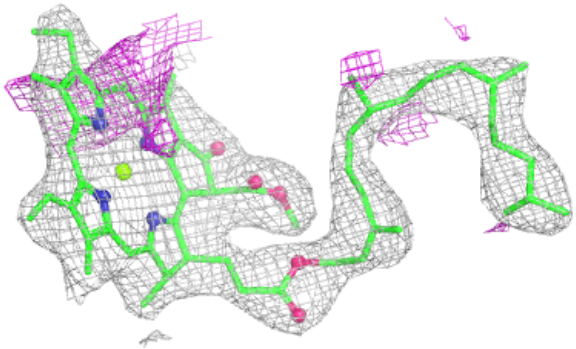


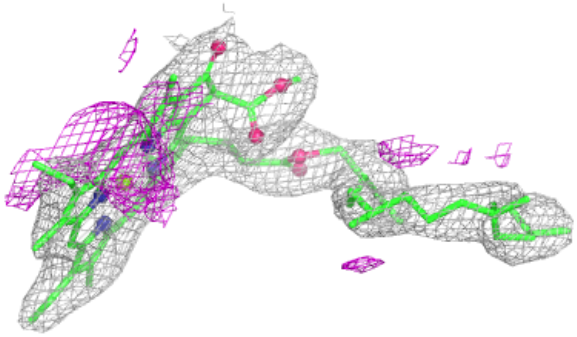


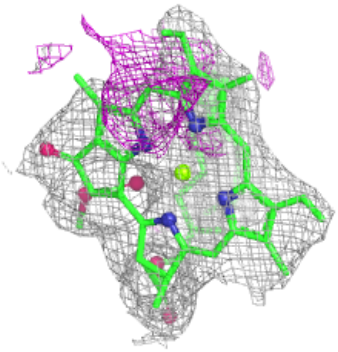


Electron density around CL0 Y 801:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

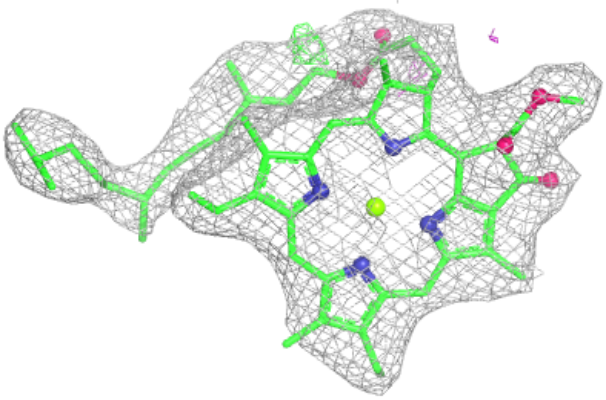


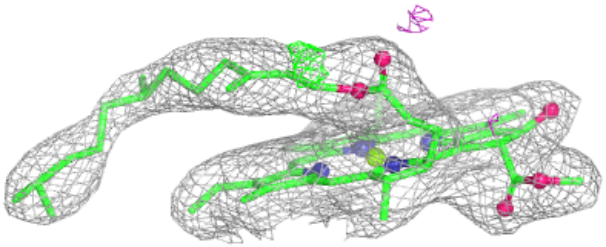


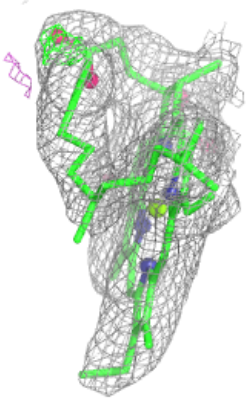


Electron density around CLA H 817:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

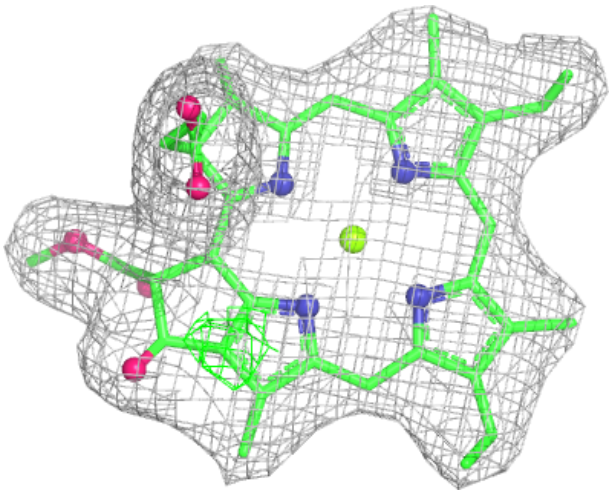


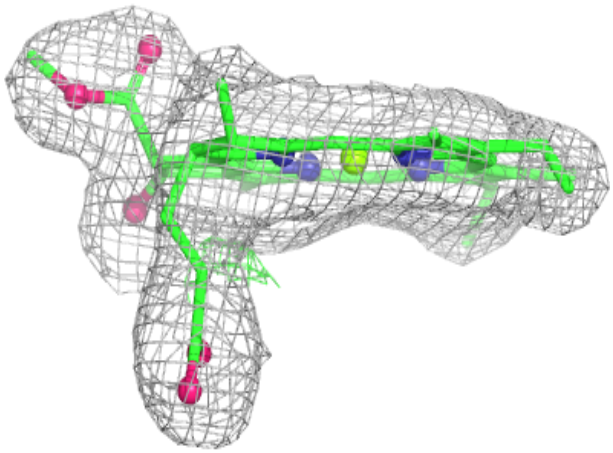


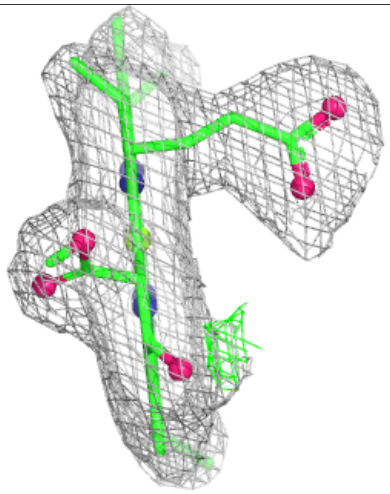


Electron density around CLA Z 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

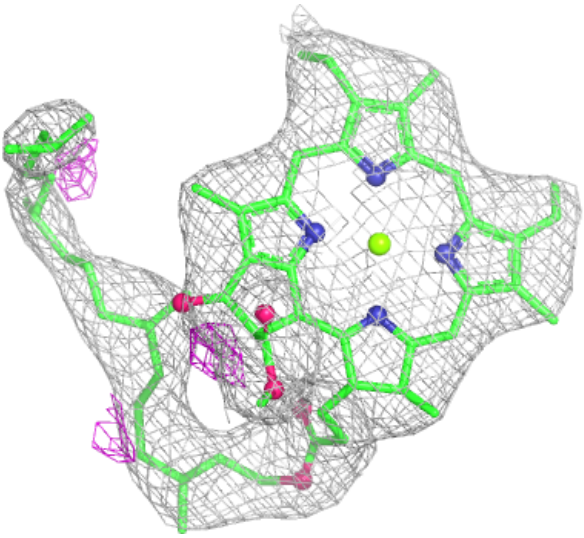


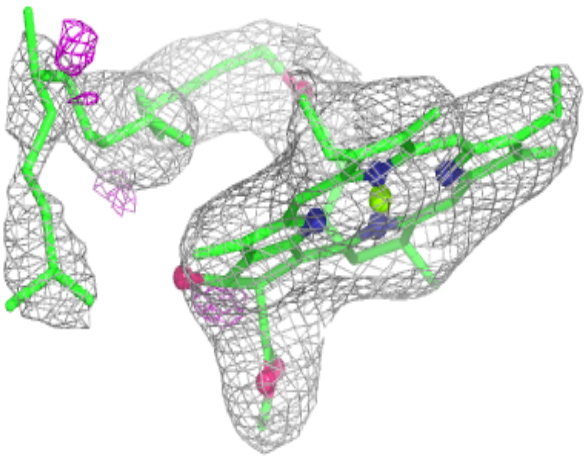


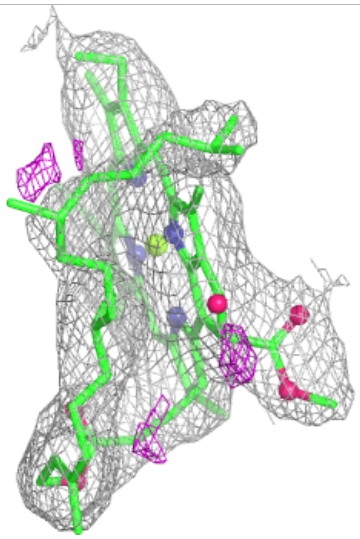


Electron density around CLA Z 830:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

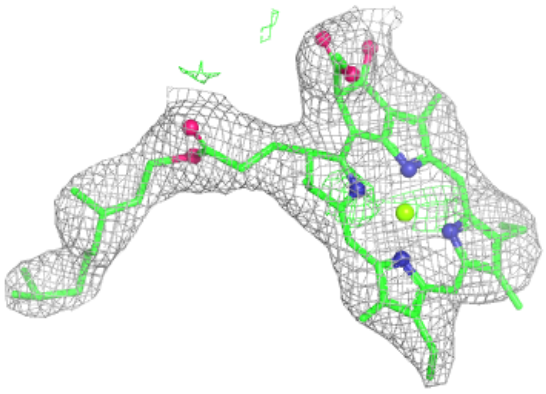


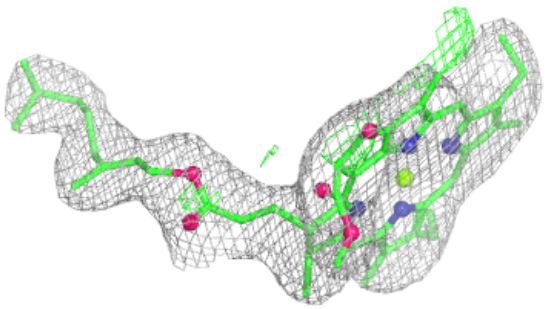


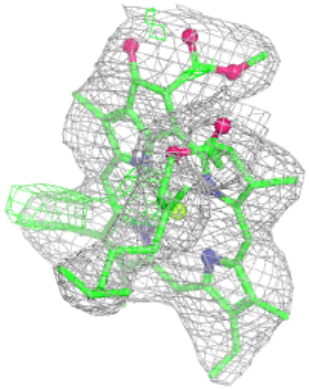


Electron density around CLA Z 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

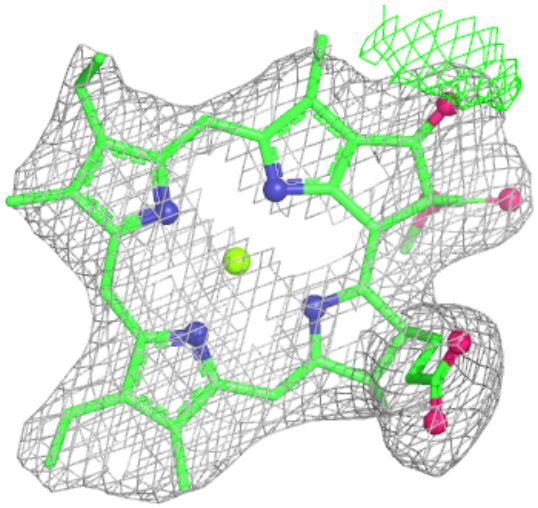


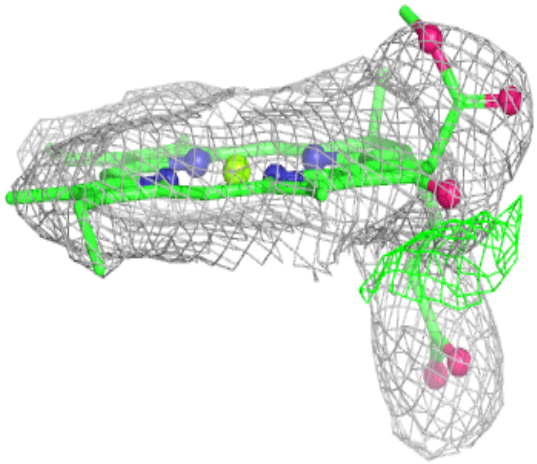


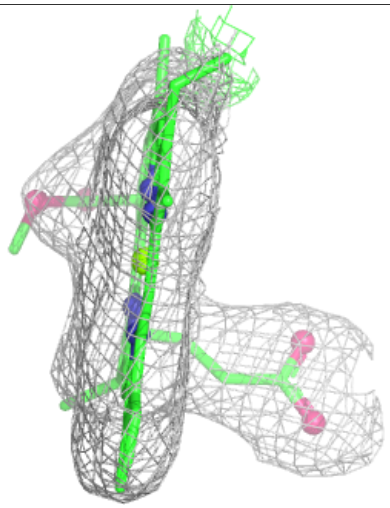


Electron density around CLA Z 832:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

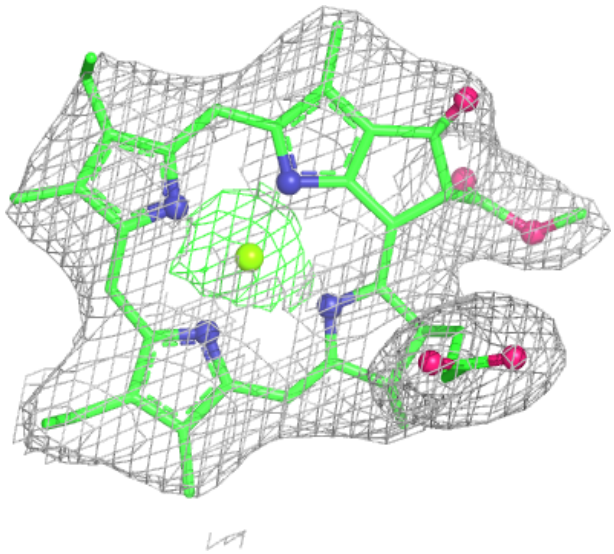


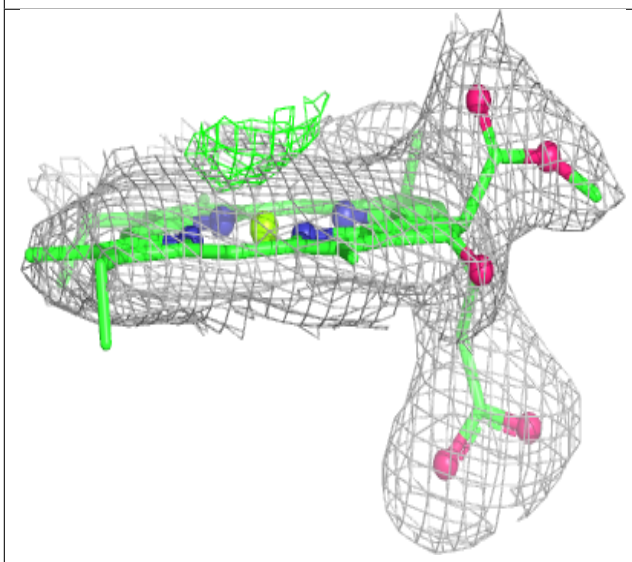


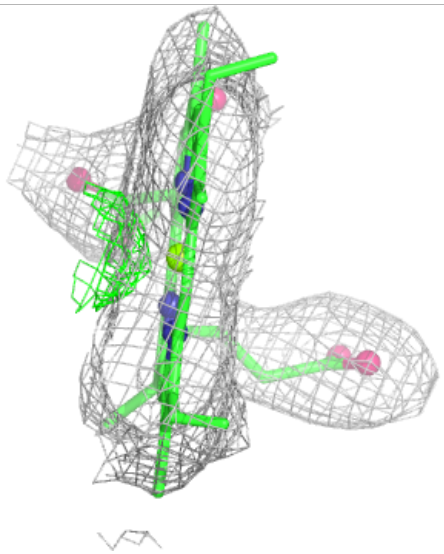


Electron density around CLA Z 833:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

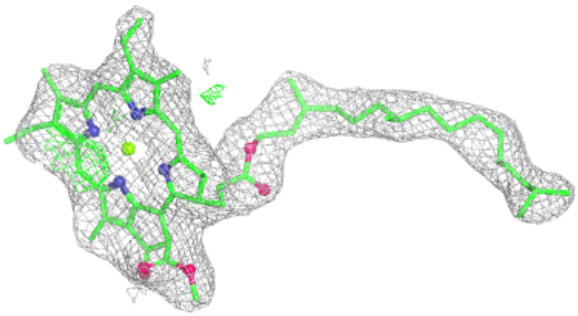


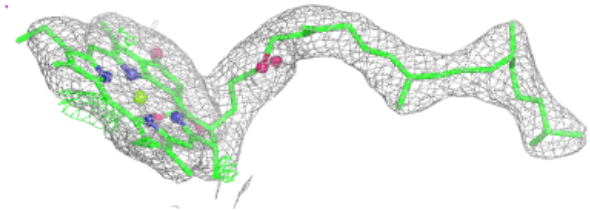


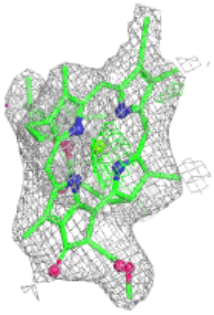


Electron density around CLA A 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

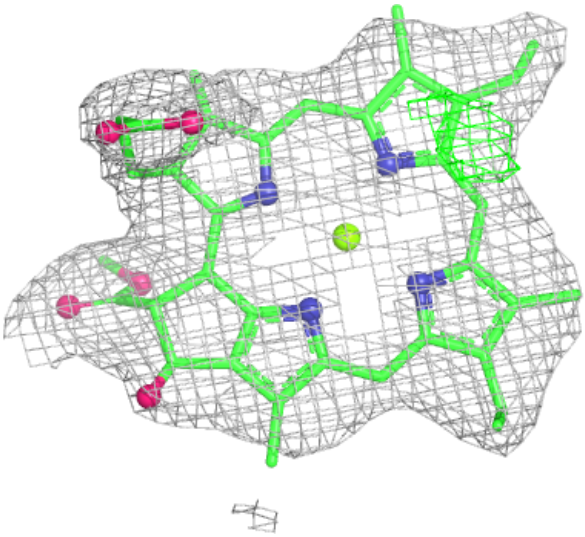


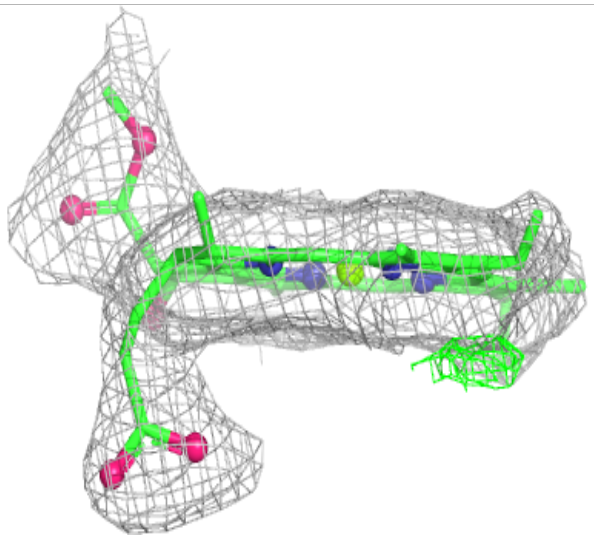


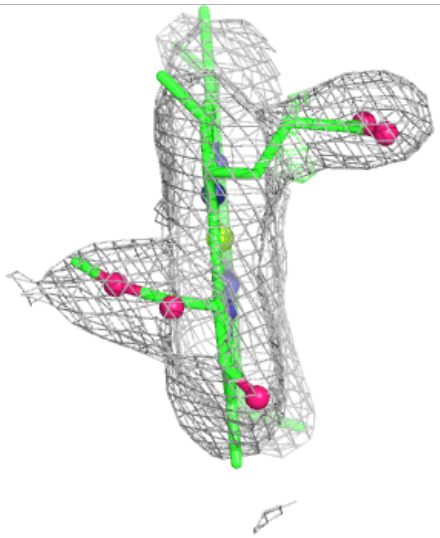


Electron density around CLA H 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

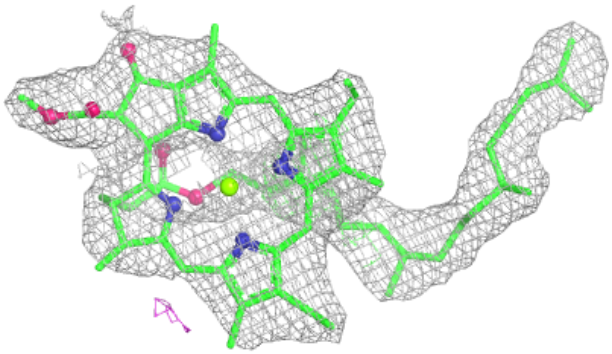


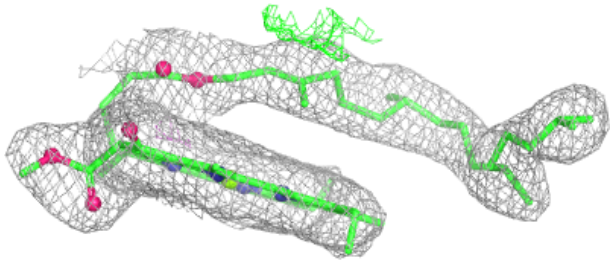




Electron density around CLA Z 836:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

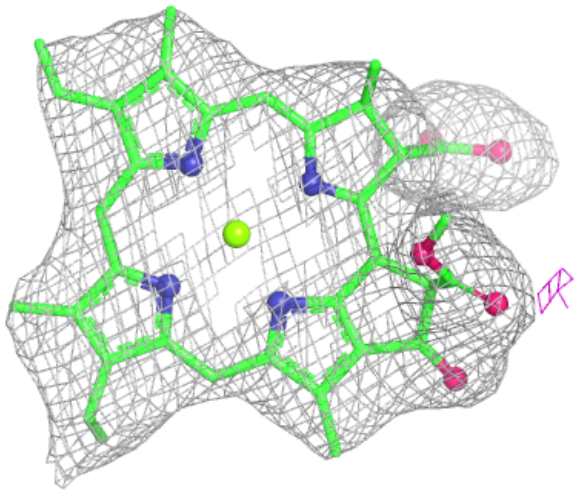


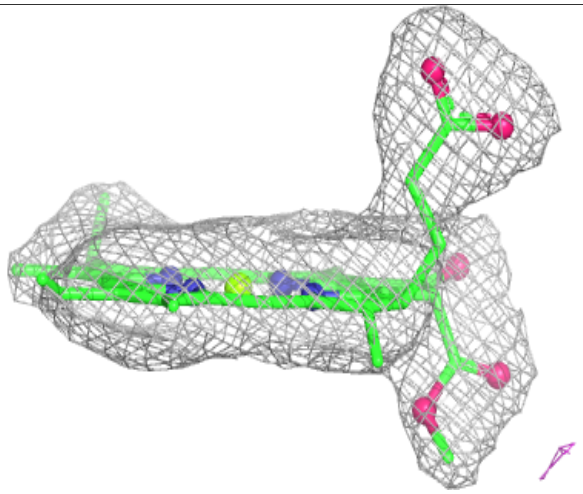


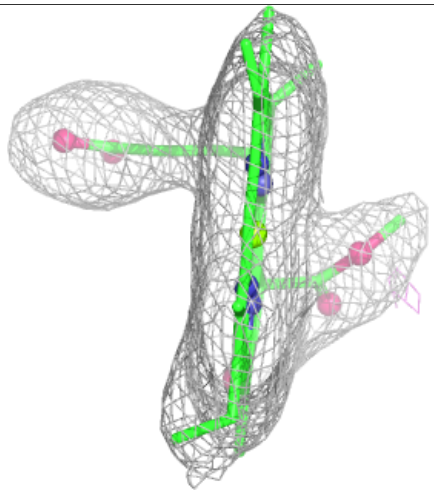


Electron density around CLA H 820:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

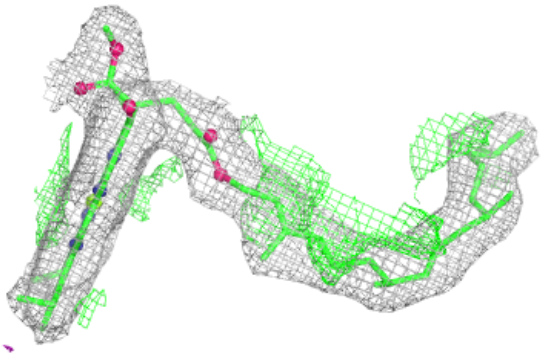


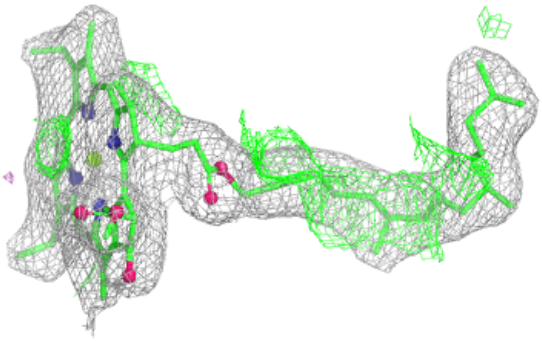


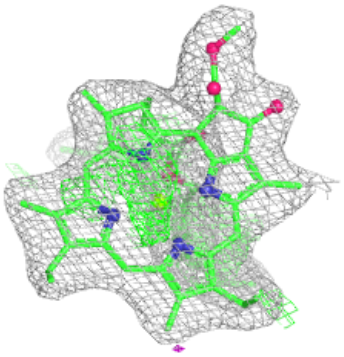


Electron density around CLA Z 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

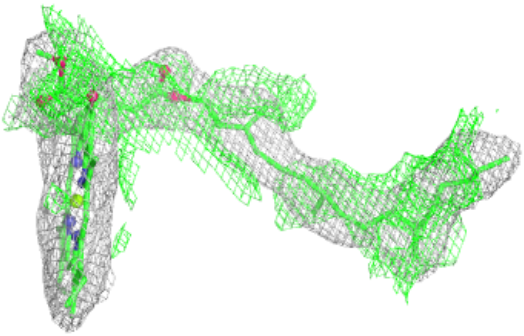


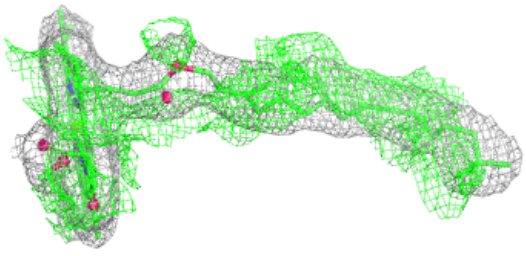


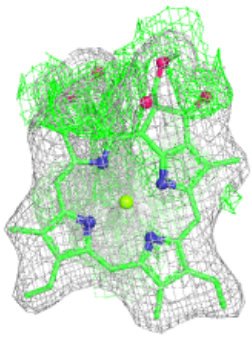


Electron density around CLA Z 839:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

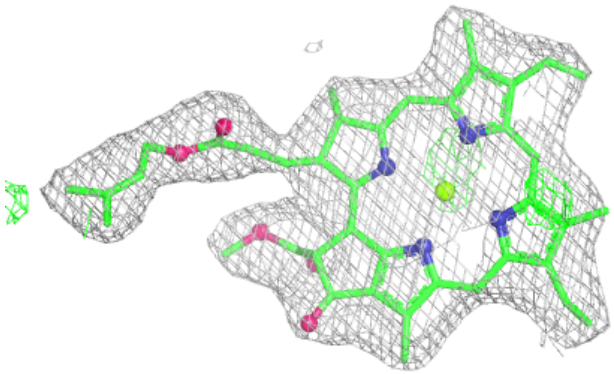


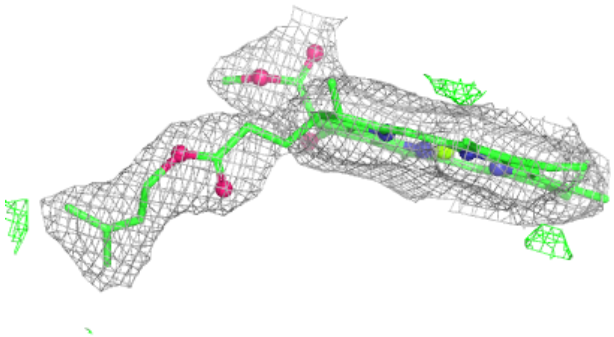


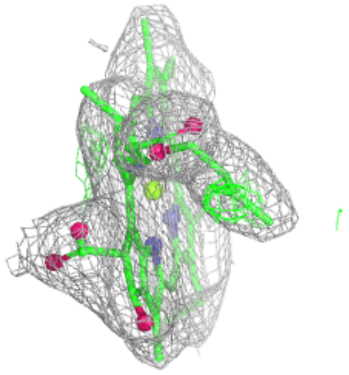


Electron density around CLA d 201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

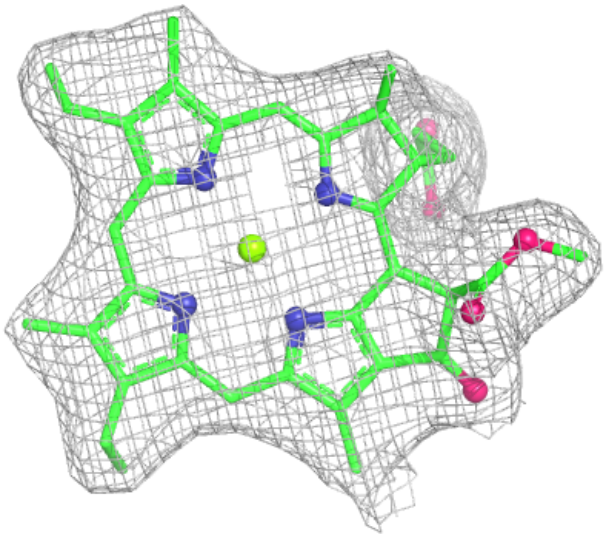


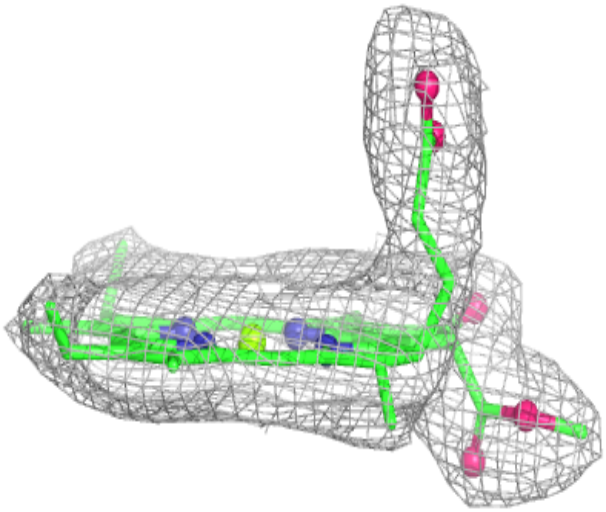


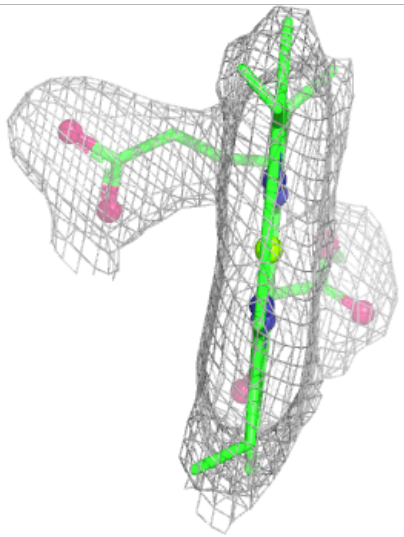


Electron density around CLA B 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

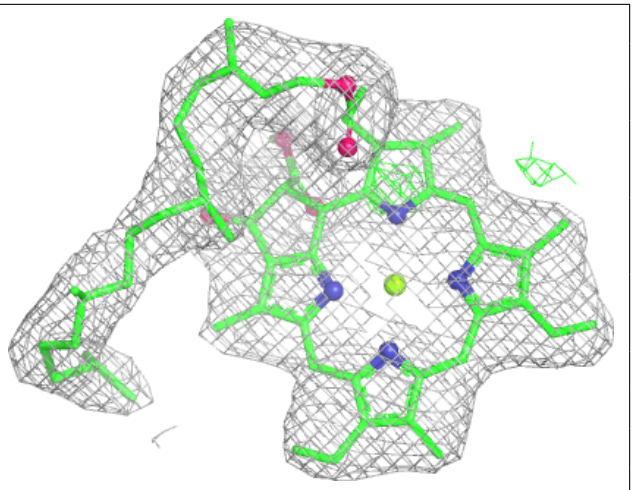


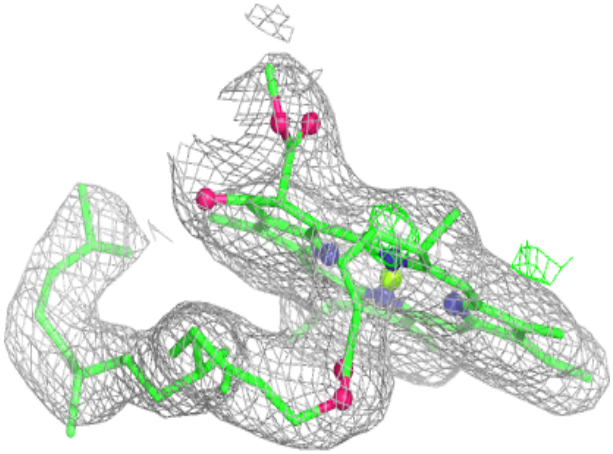


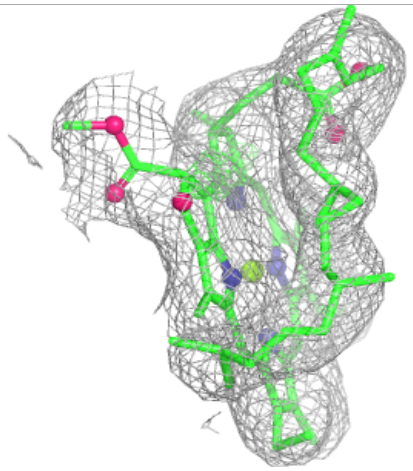


Electron density around CLA B 832:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

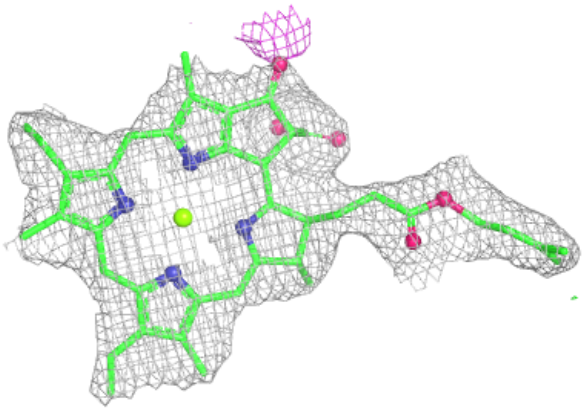


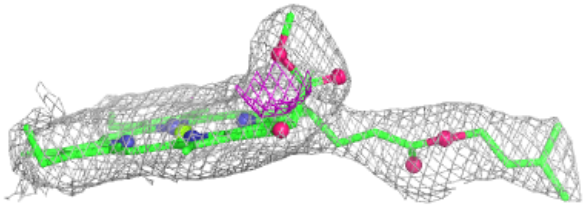


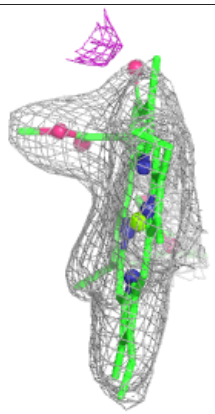


Electron density around CLA A 836:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

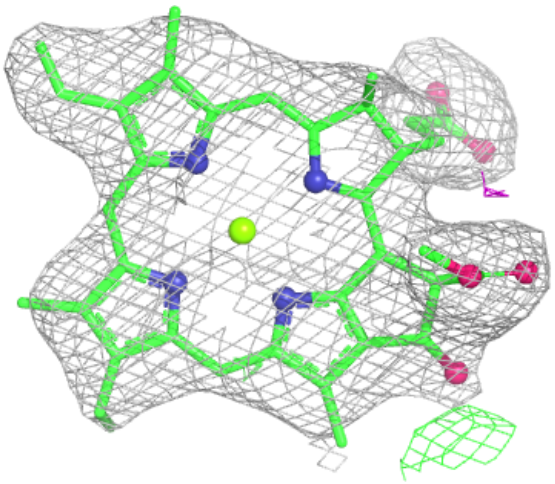


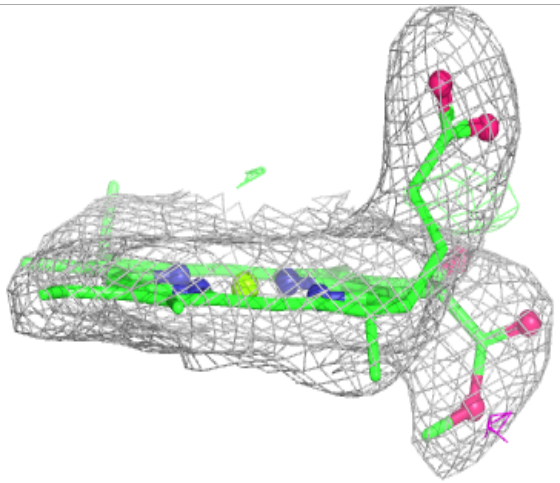


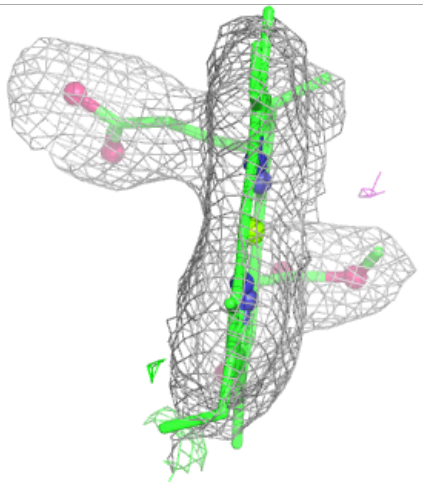


Electron density around CLA B 834:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

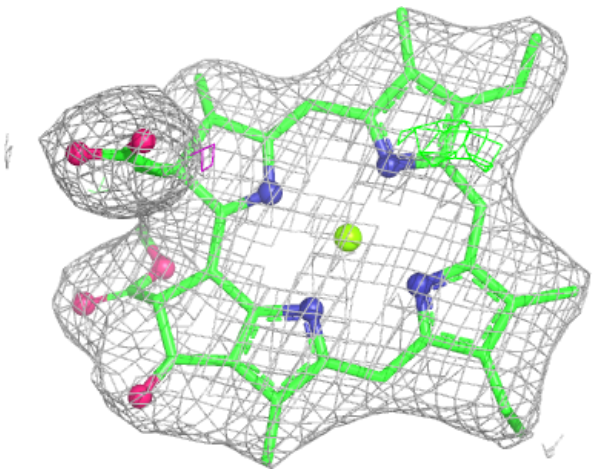


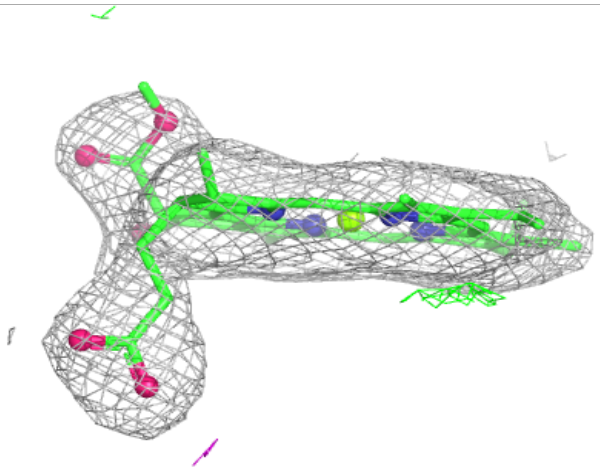


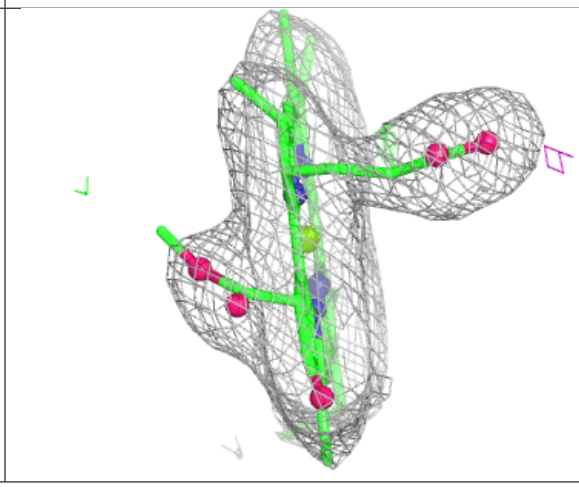


Electron density around CLA g 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

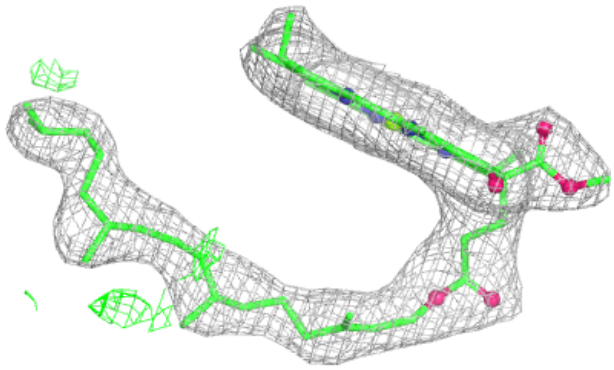


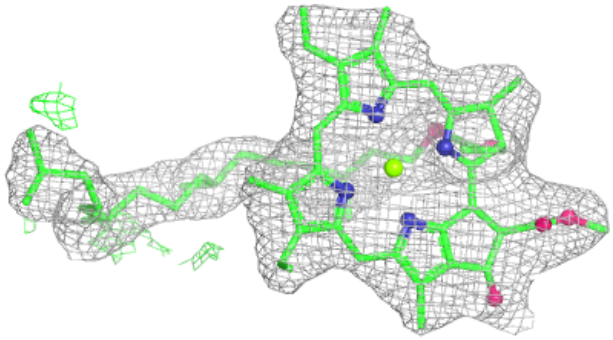


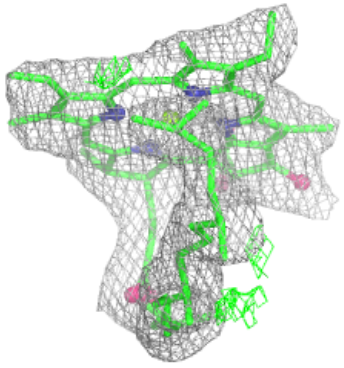


Electron density around CLA h 201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

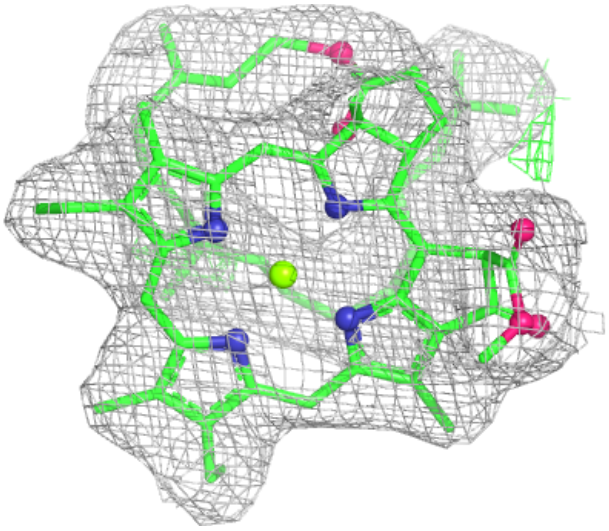


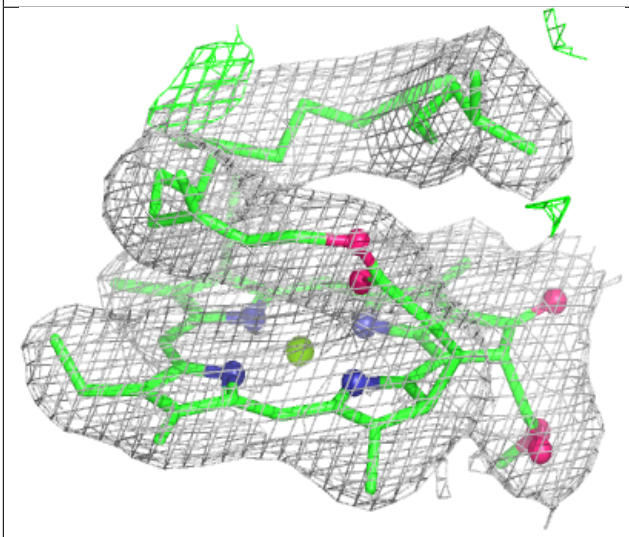




Electron density around CLA h 205:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

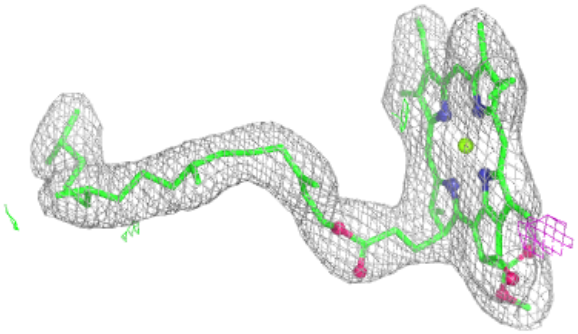


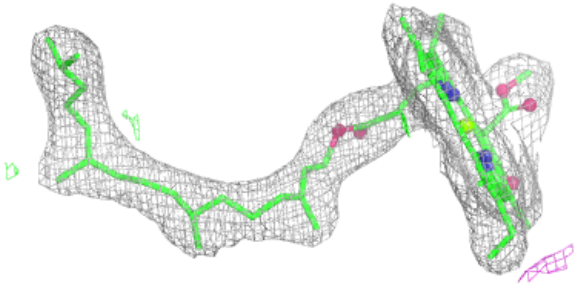


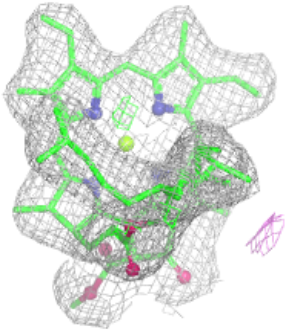


Electron density around CLA h 206:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

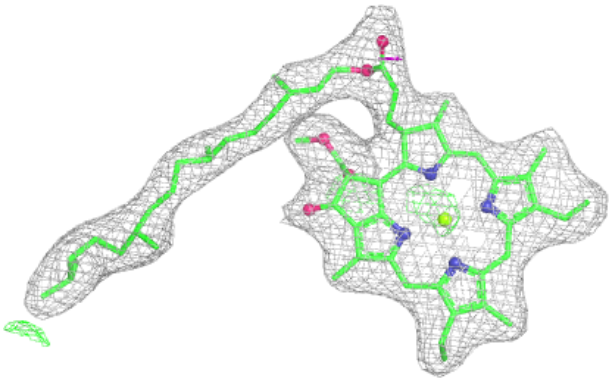


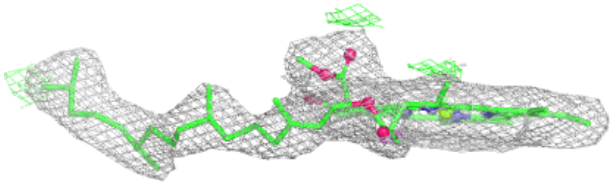




Electron density around CLA h 207:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

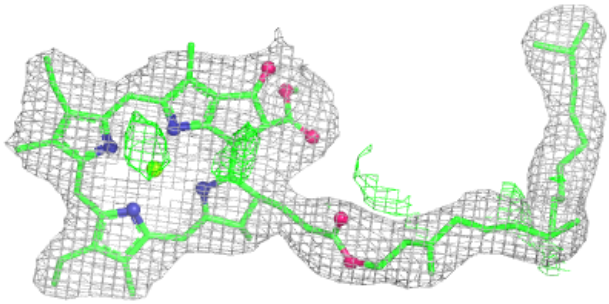


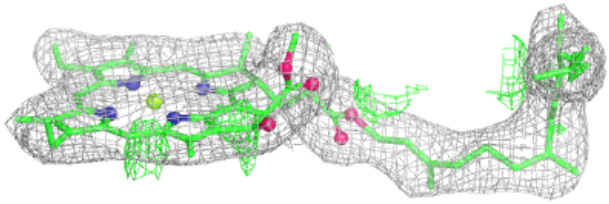


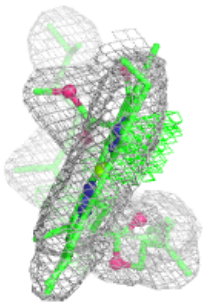


Electron density around CLA H 825:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

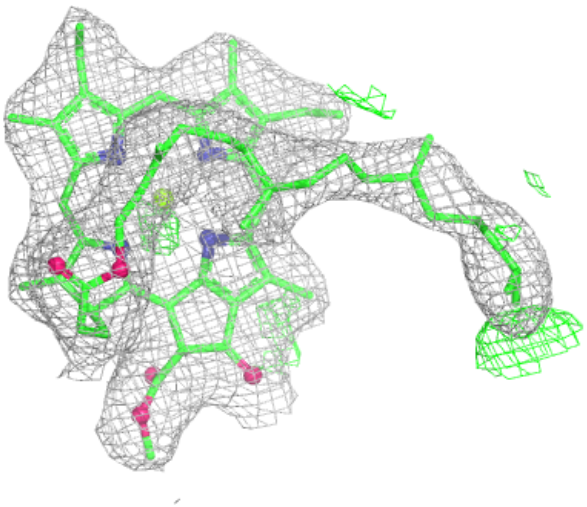


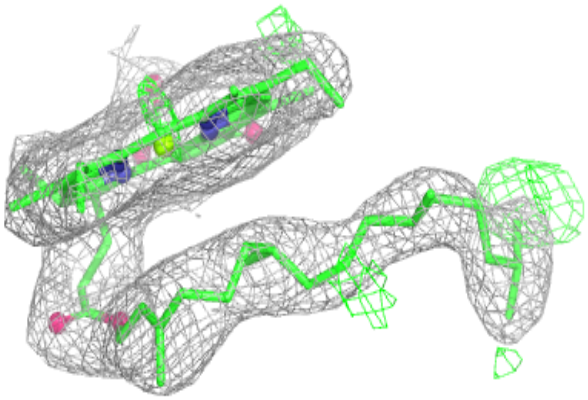


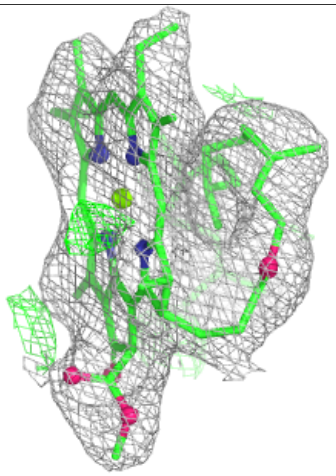


Electron density around CLA H 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

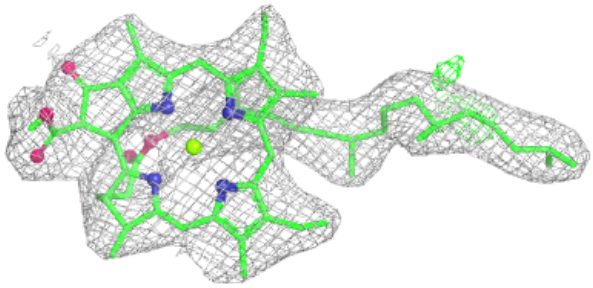


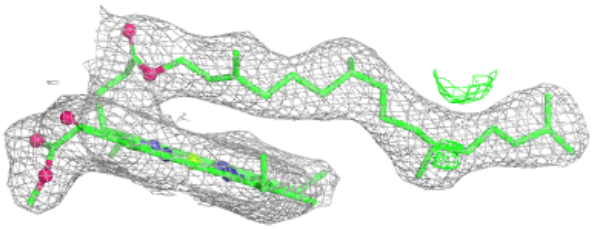


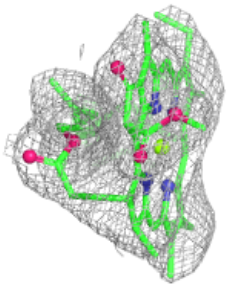


Electron density around CLA A 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

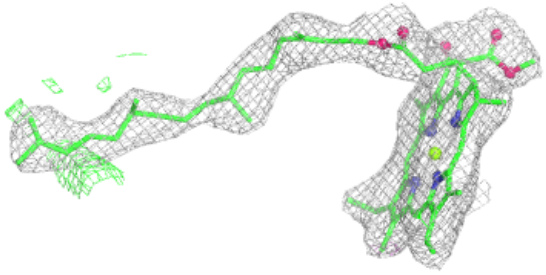


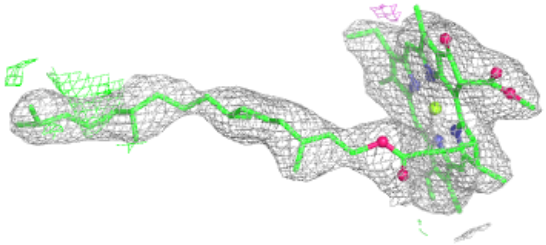


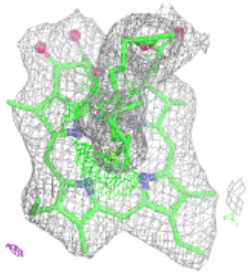


Electron density around CLA H 828:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

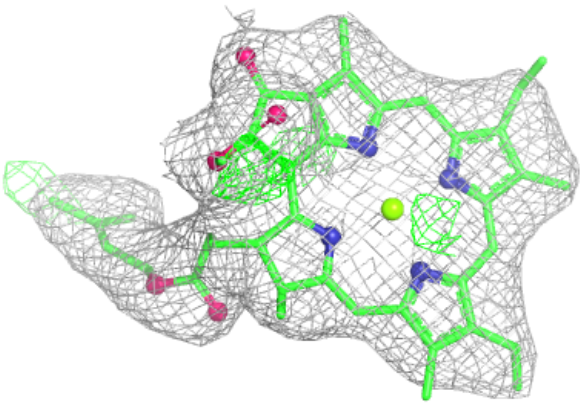


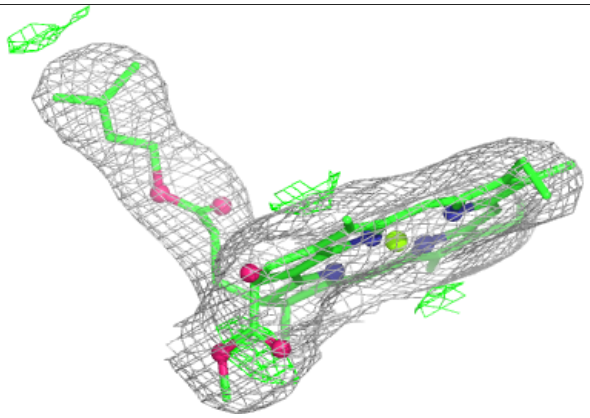


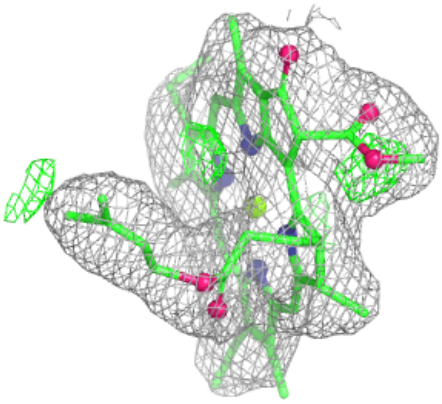


Electron density around CLA A 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

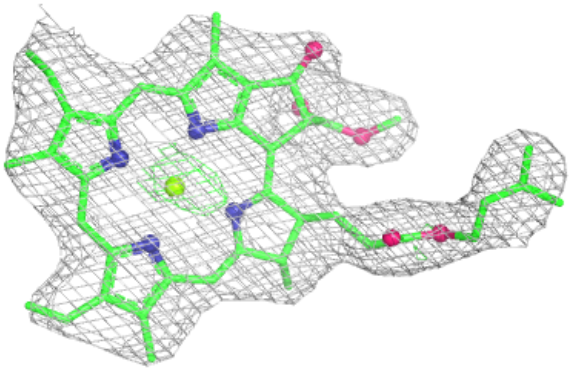


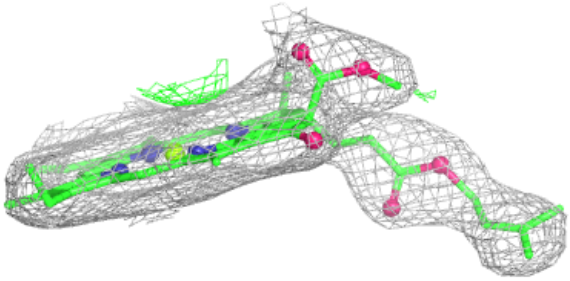


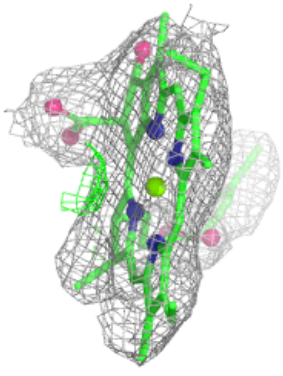


Electron density around CLA A 839:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

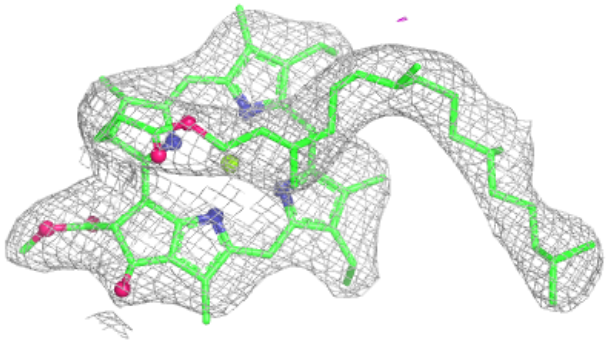


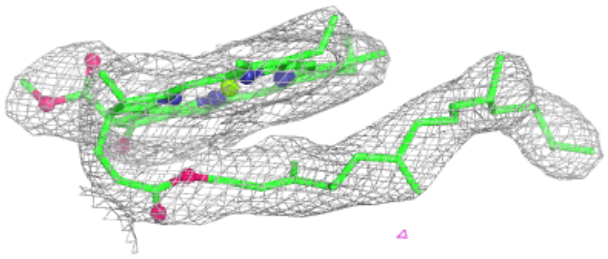


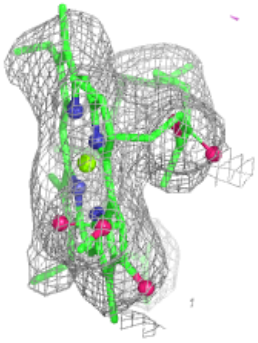


Electron density around CLA B 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

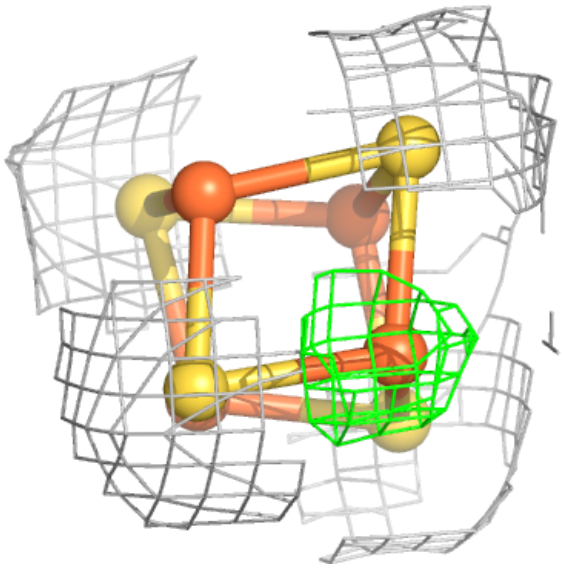


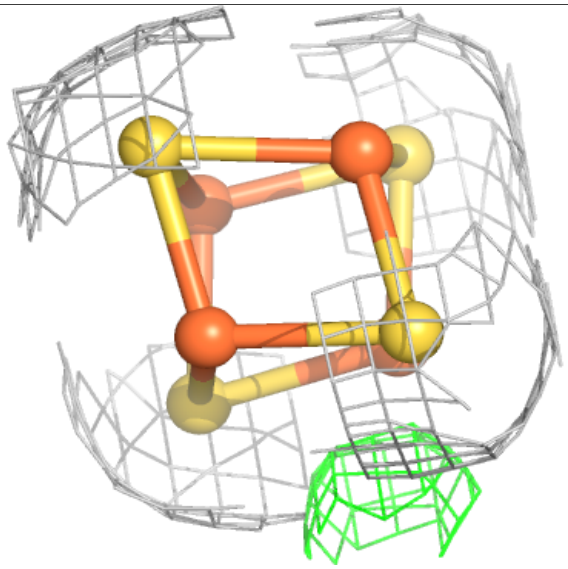


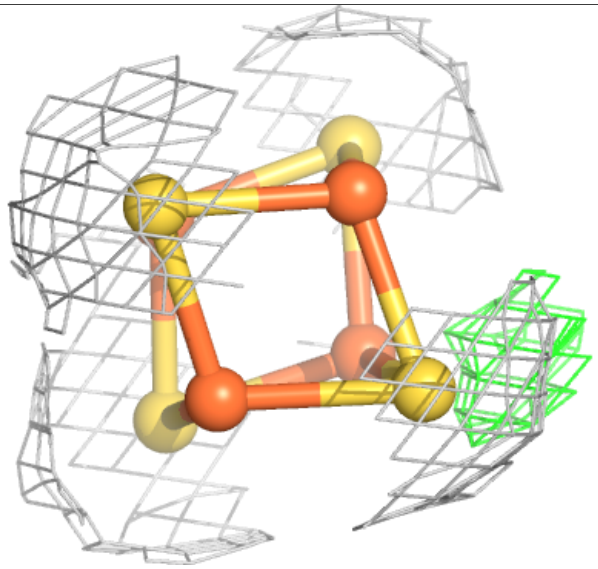


Electron density around SF4 A 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

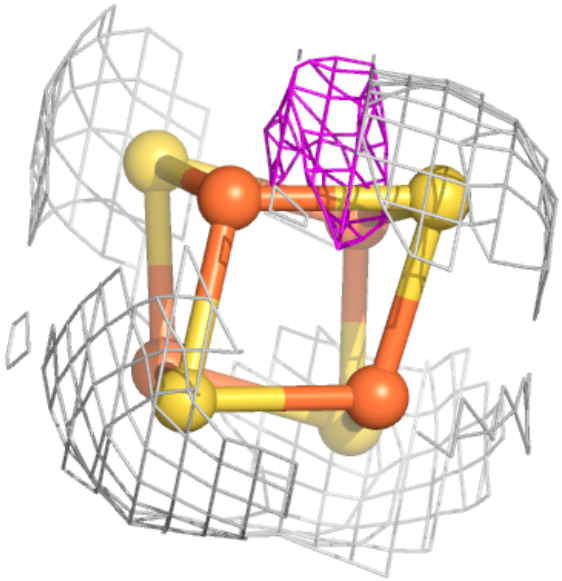


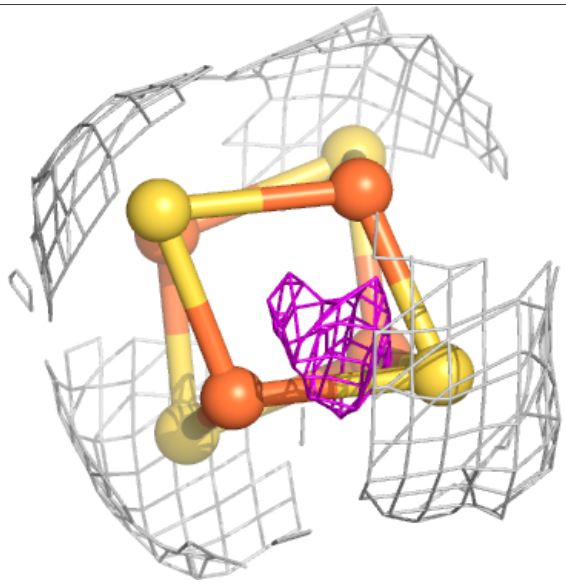


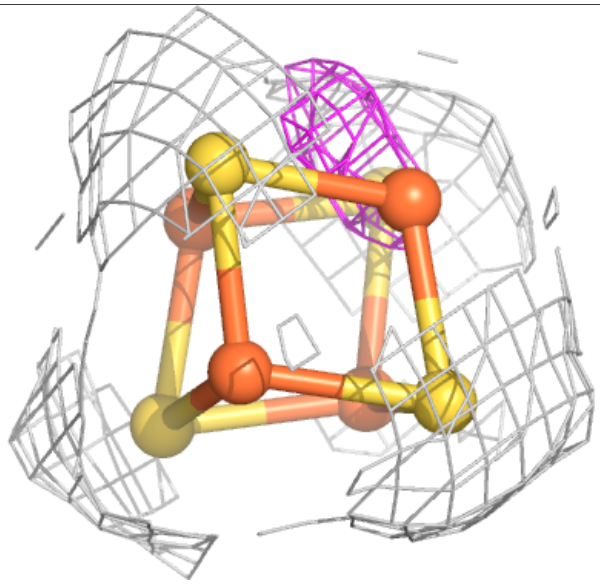


Electron density around SF4 C 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

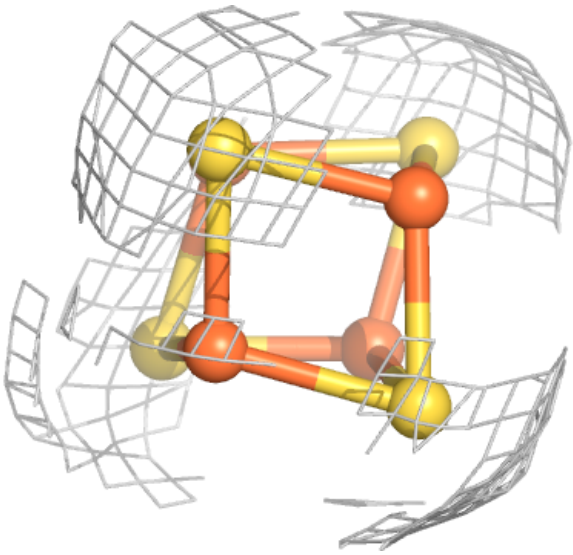


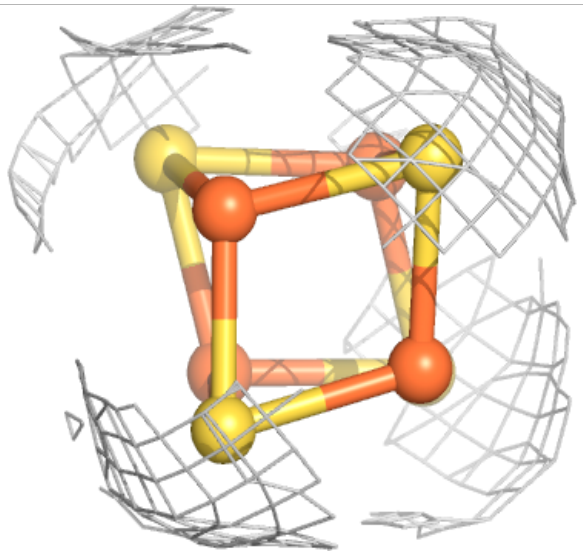


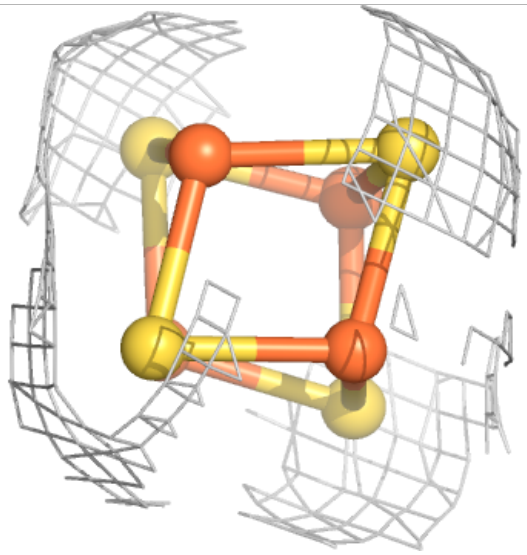


Electron density around SF4 C 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

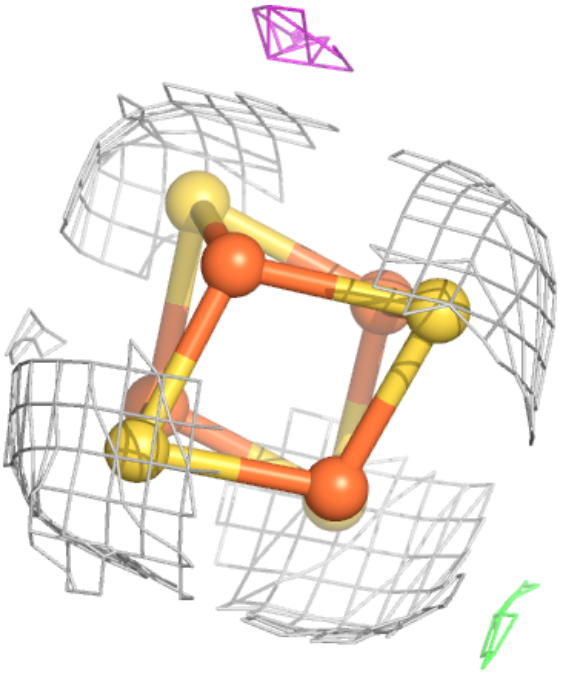


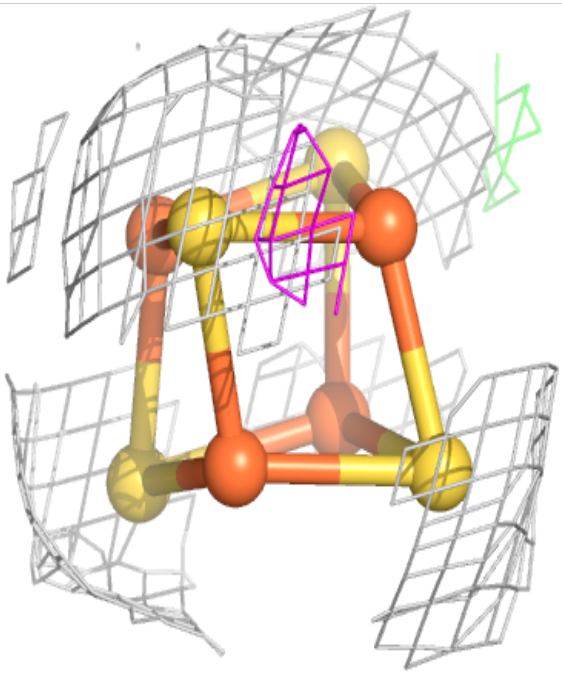


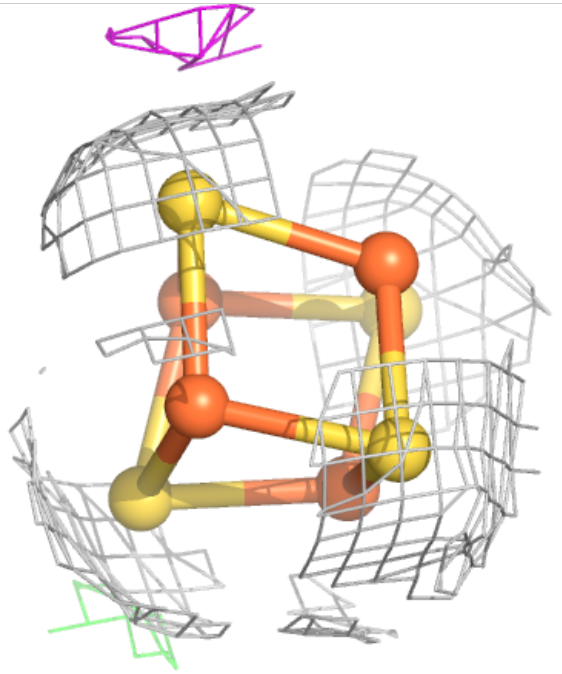


Electron density around SF4 G 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

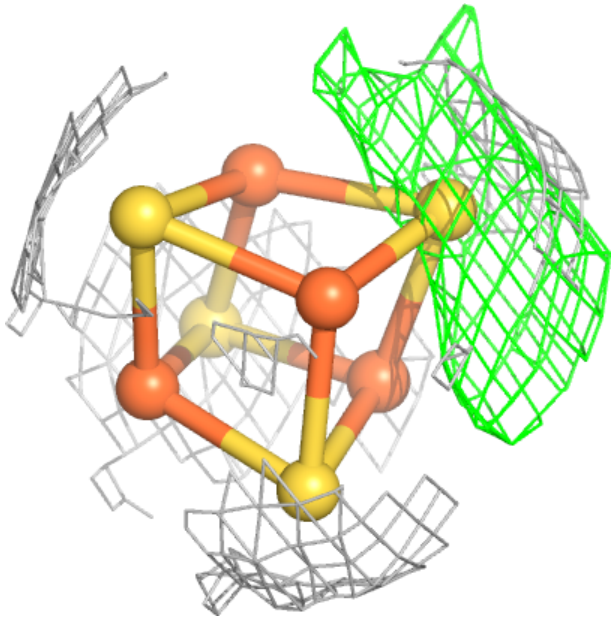


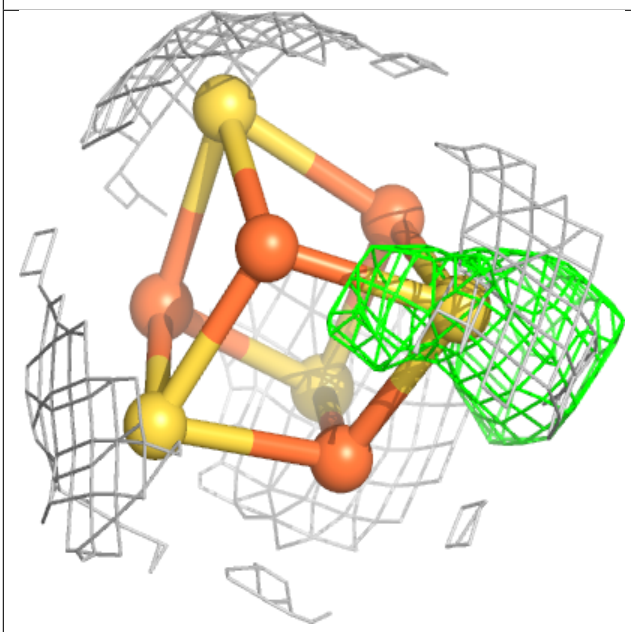


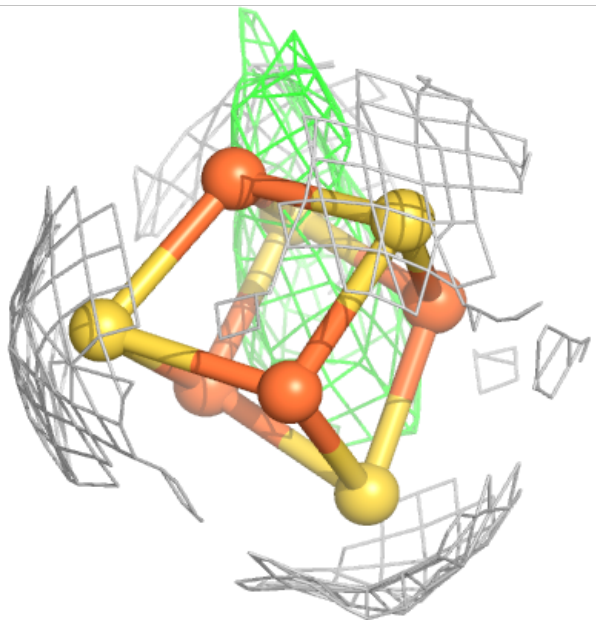


Electron density around SF4 N 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

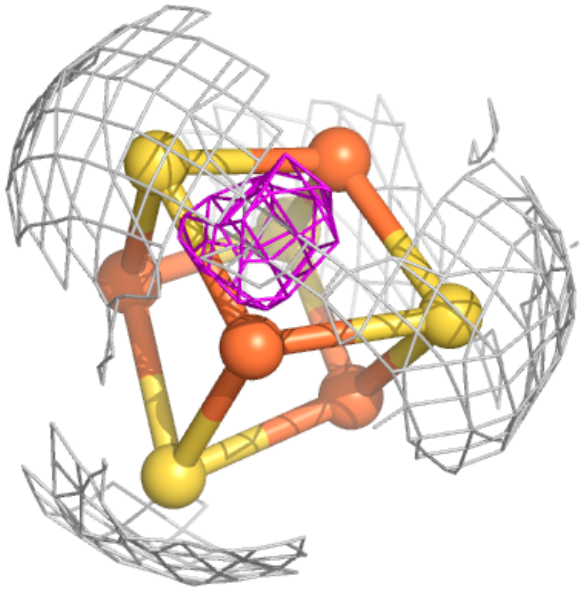


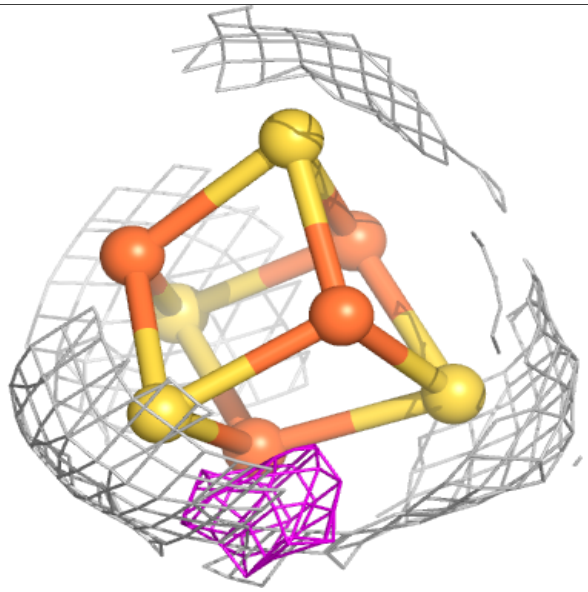


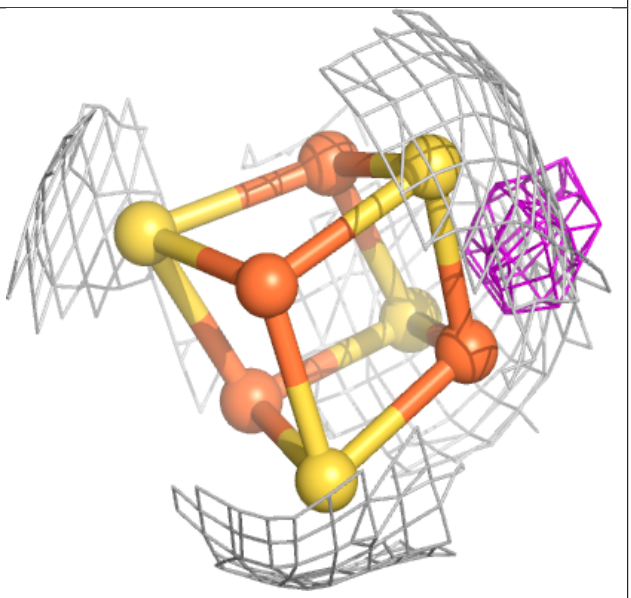


Electron density around SF4 N 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

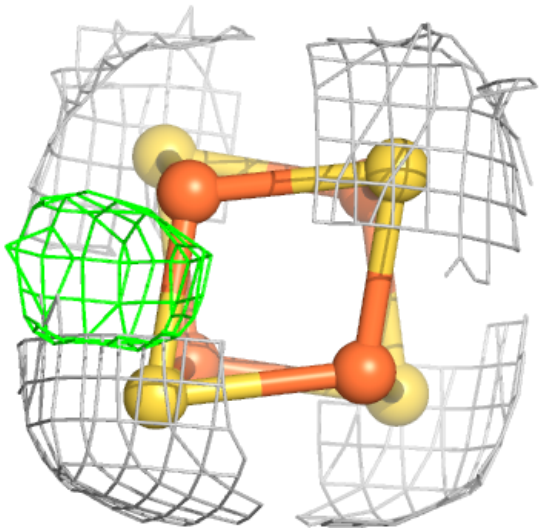


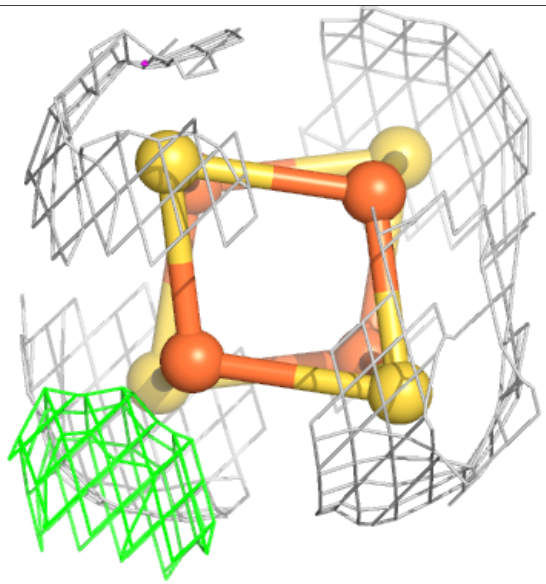


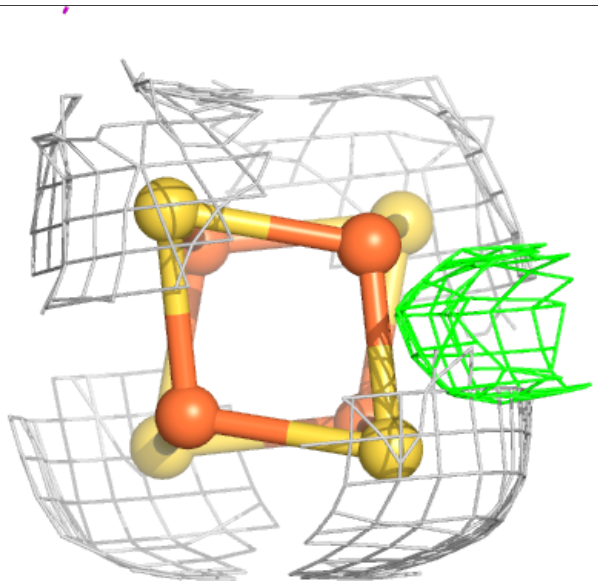


Electron density around SF4 Y 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

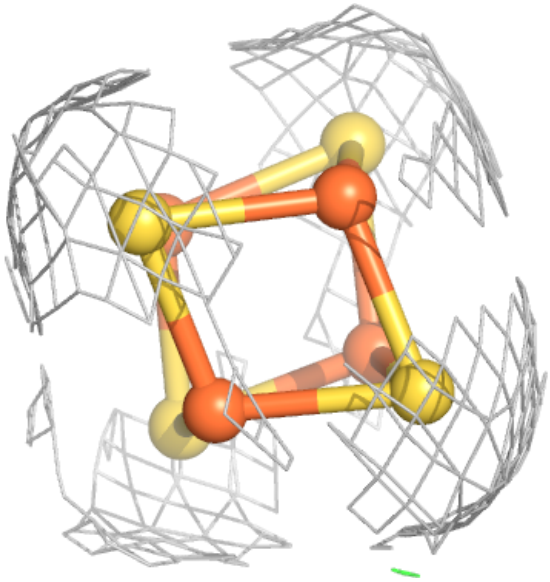


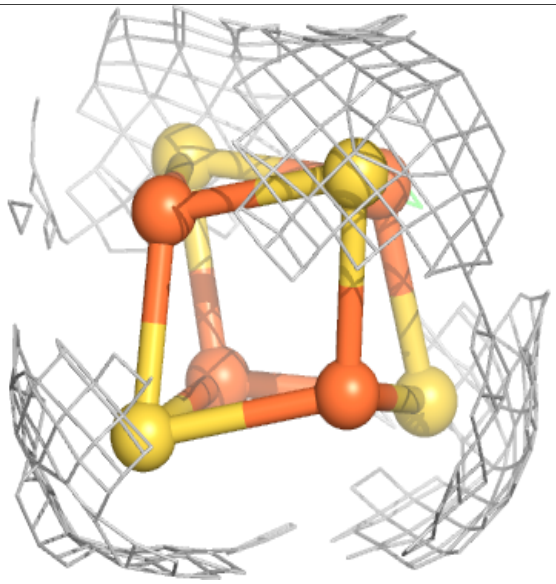


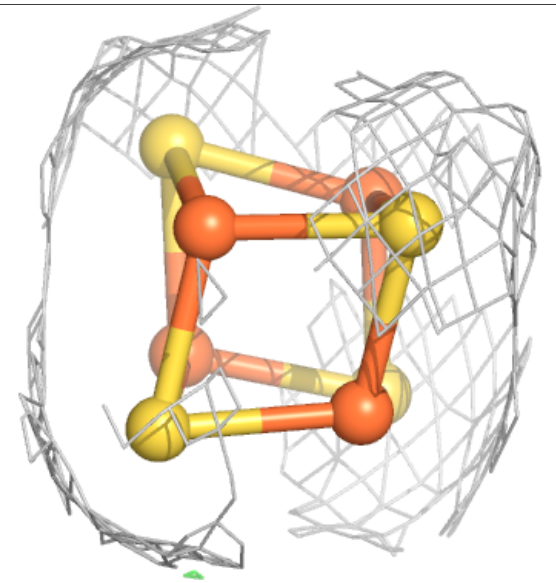


Electron density around SF4 a 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

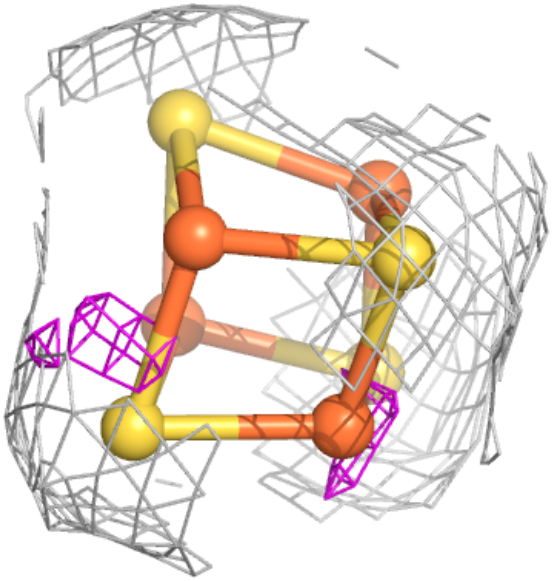


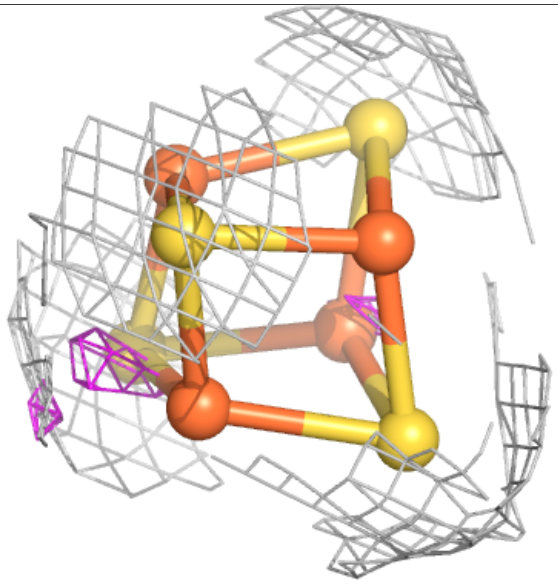


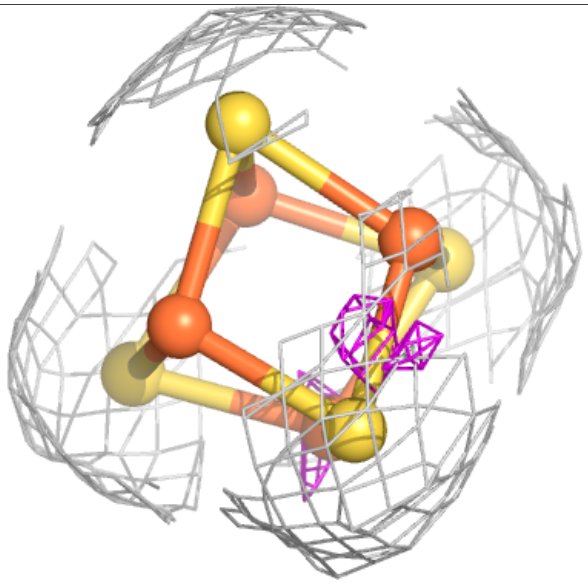


Electron density around SF4 a 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

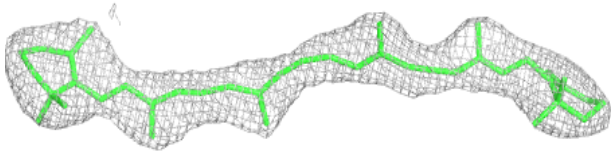


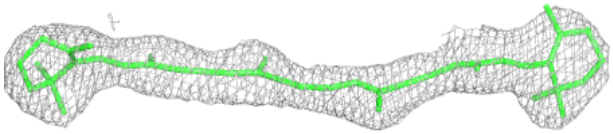


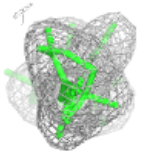


Electron density around BCR A 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

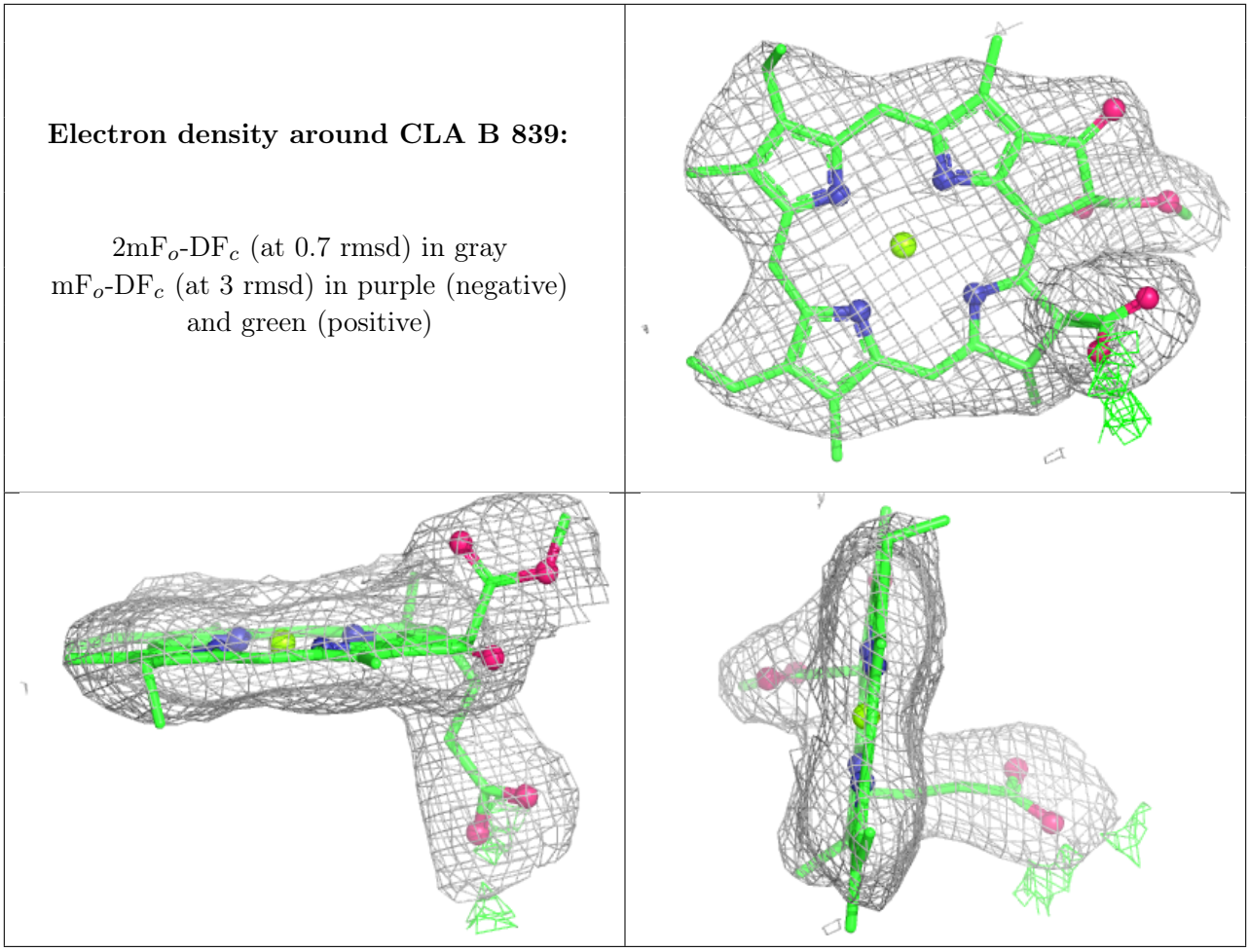






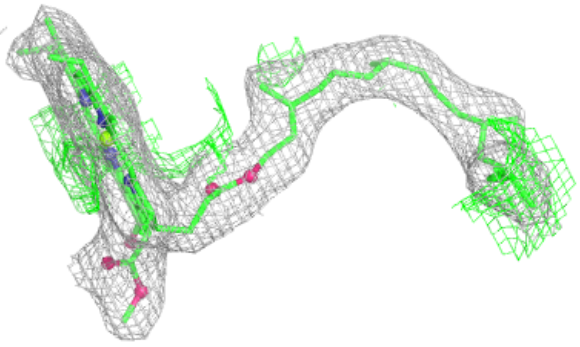
Electron density around CLA B 839:

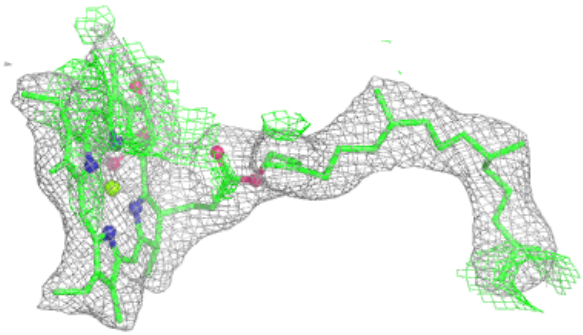
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

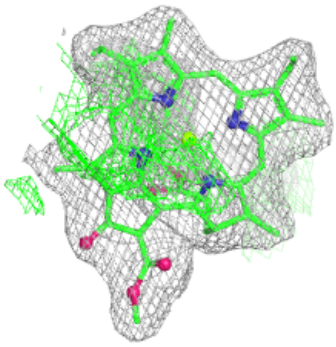


Electron density around CLA B 840:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

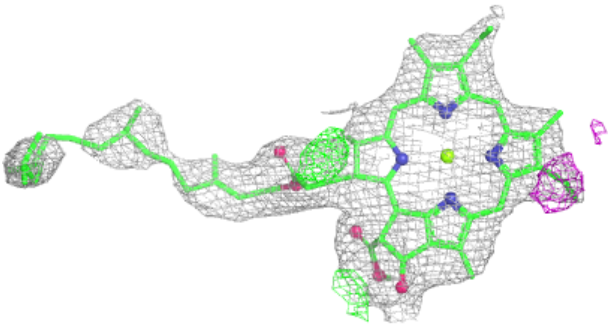


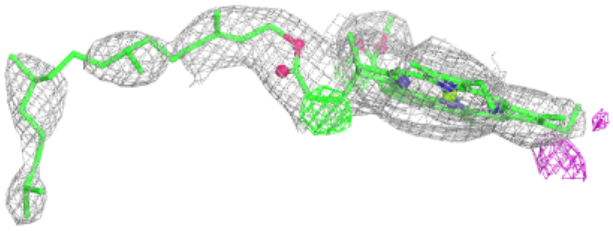




Electron density around CLA A 805:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

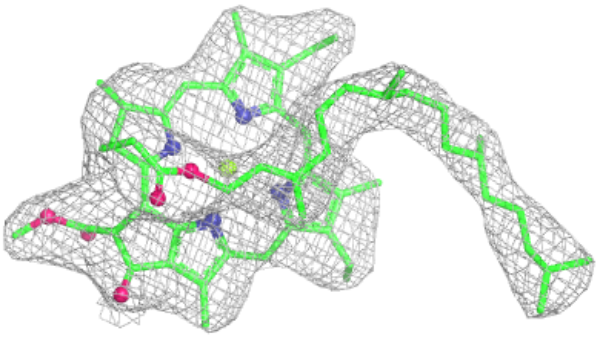


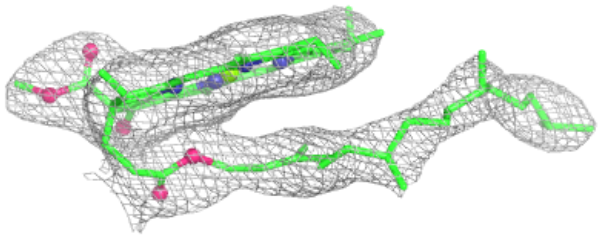


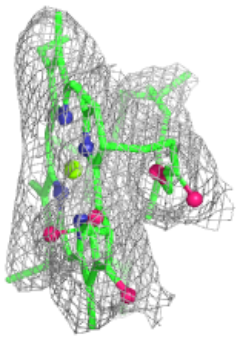


Electron density around CLA H 835:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

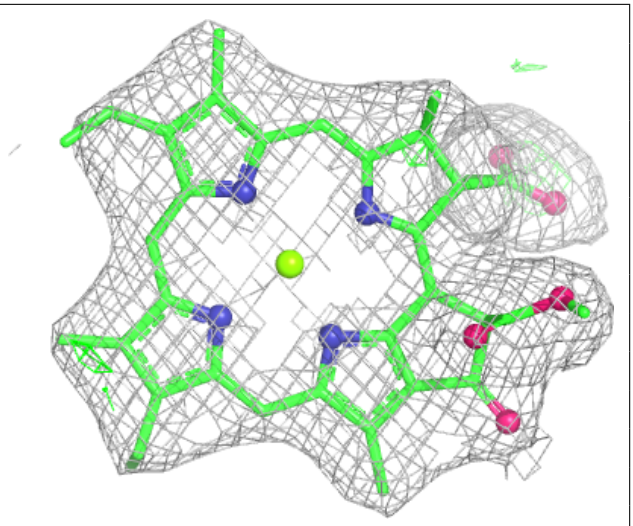


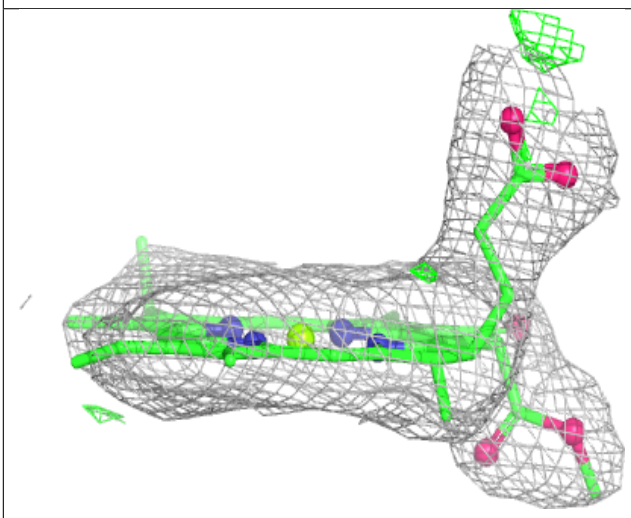


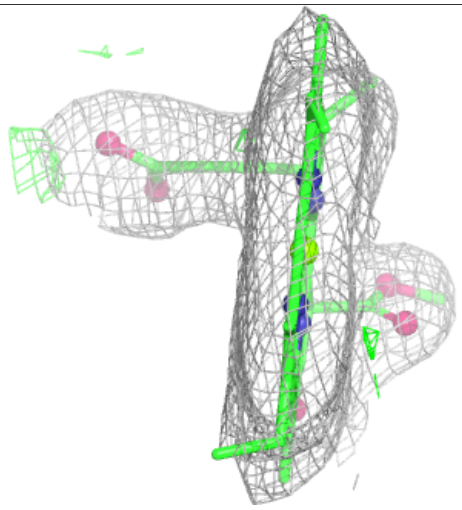


Electron density around CLA H 836:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

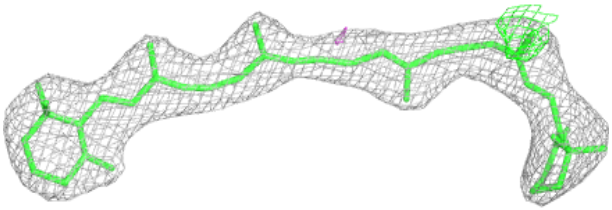


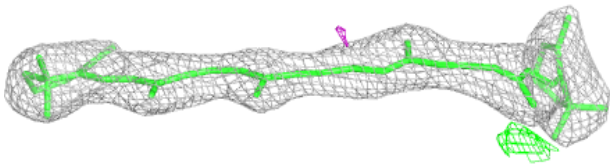


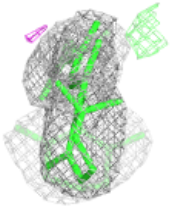


Electron density around BCR B 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

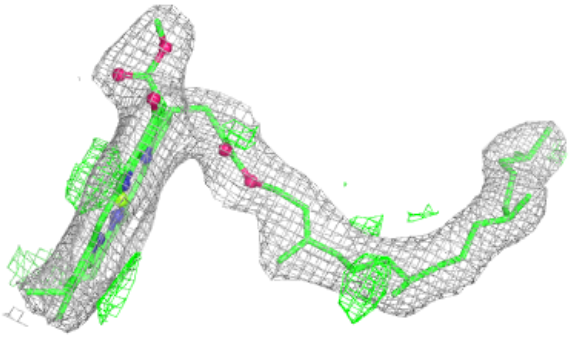


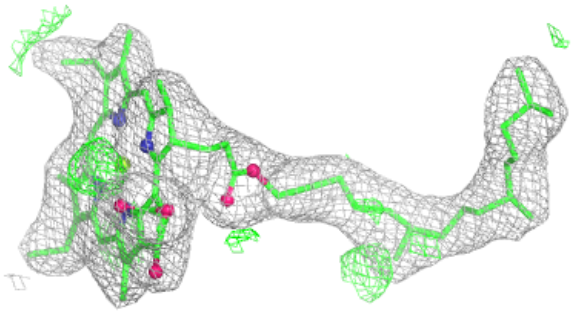


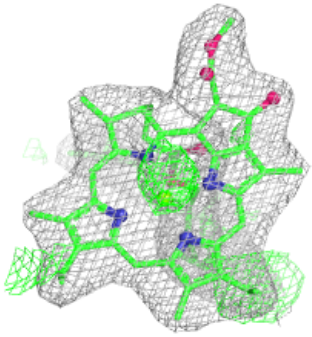


Electron density around CLA H 837:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

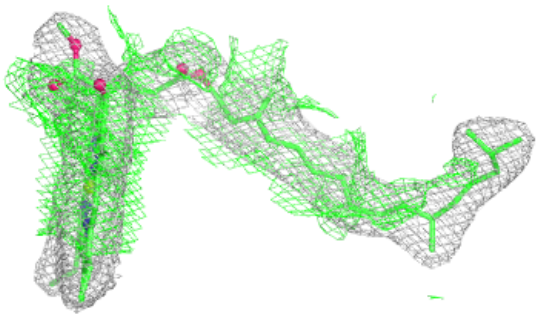


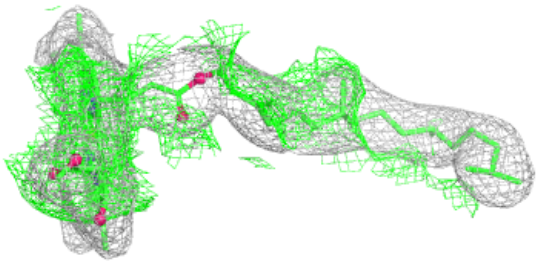


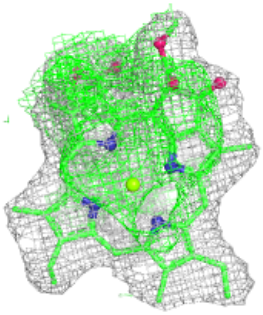


Electron density around CLA H 838:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

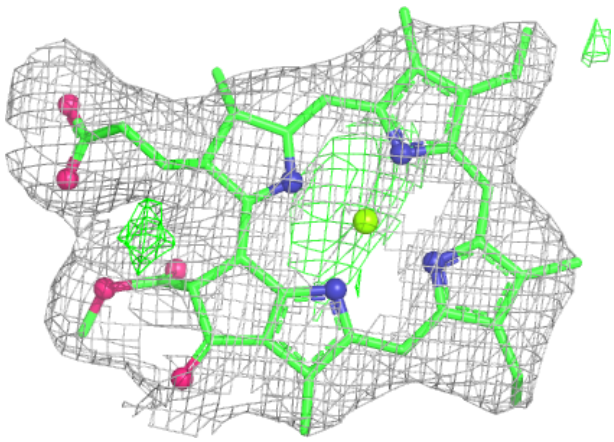


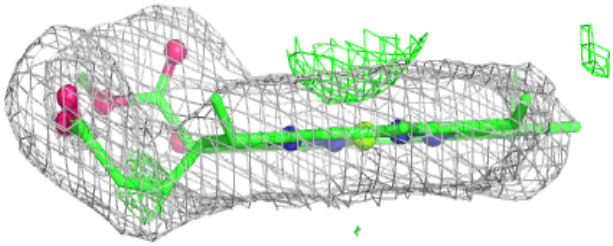


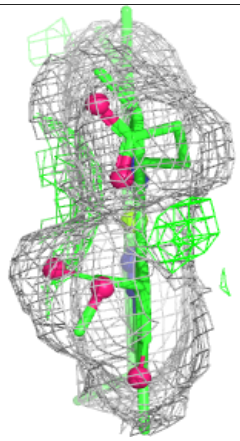


Electron density around CLA F 202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

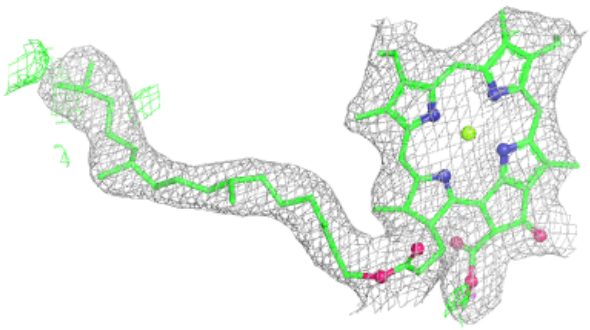


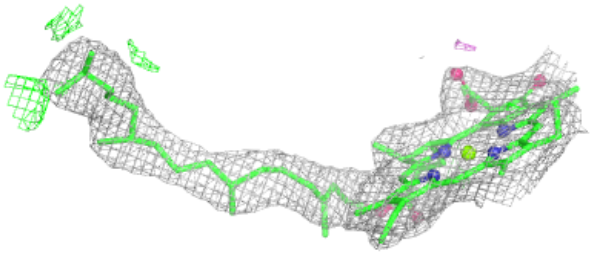


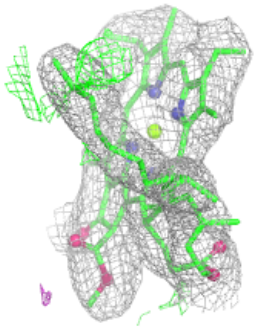


Electron density around CLA G 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

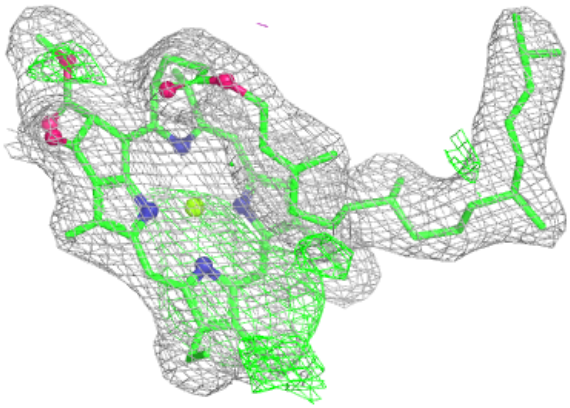


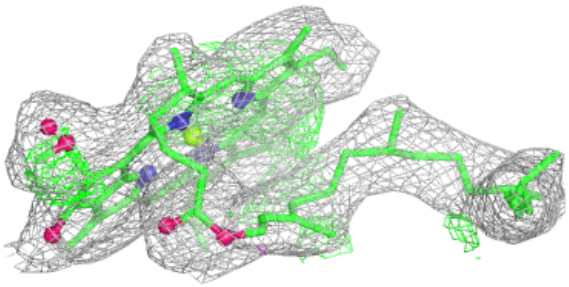


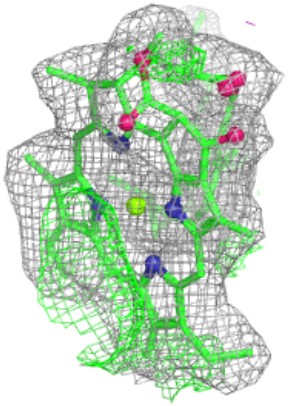


Electron density around CLA A 841:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

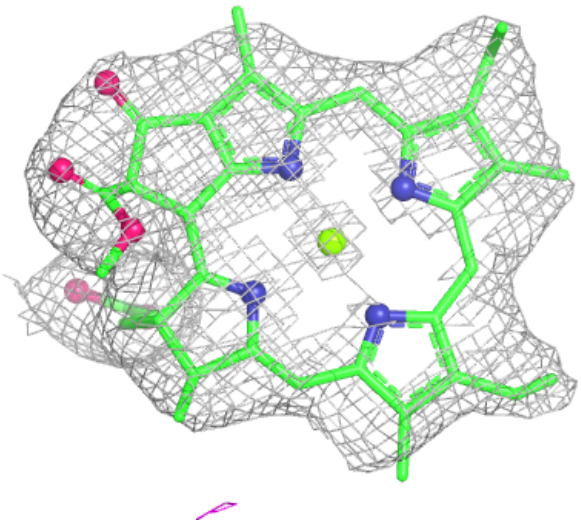


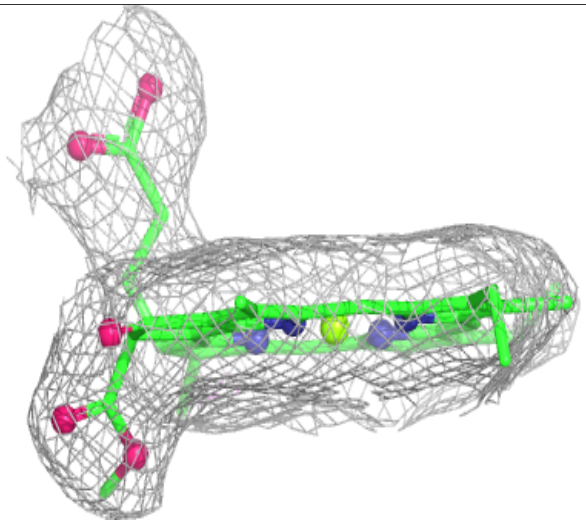


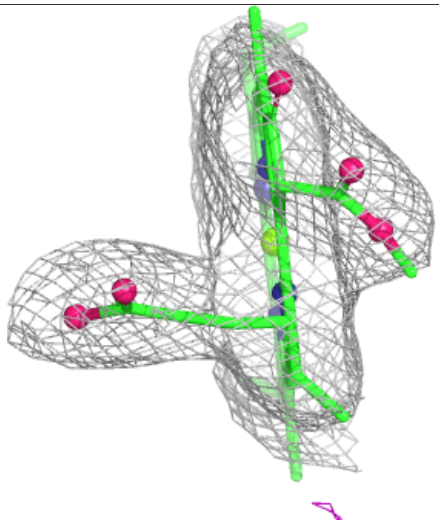


Electron density around CLA K 103:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

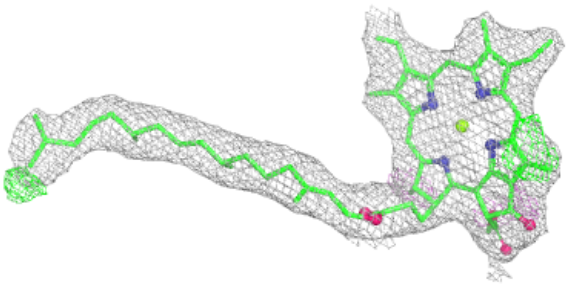


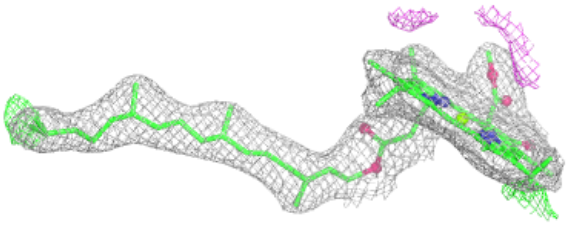


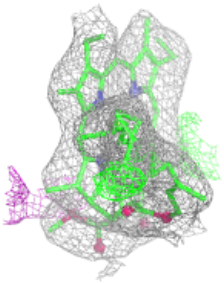


Electron density around CLA L 201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

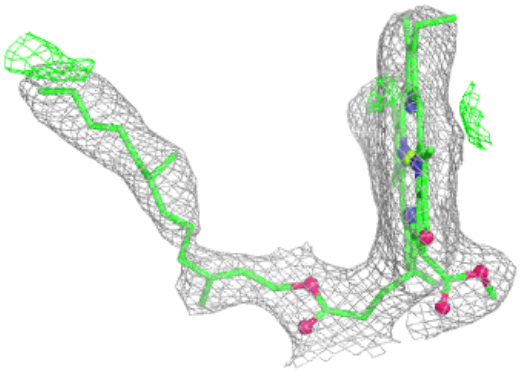


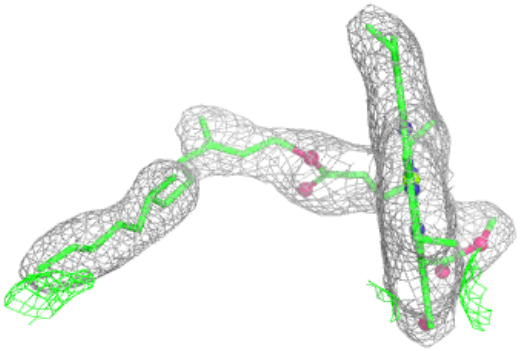


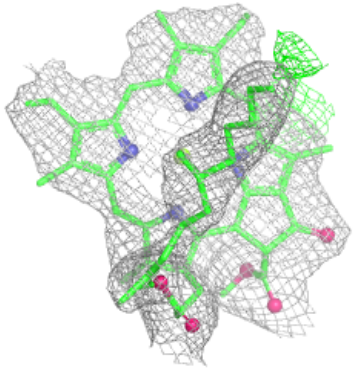


Electron density around CLA G 804:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

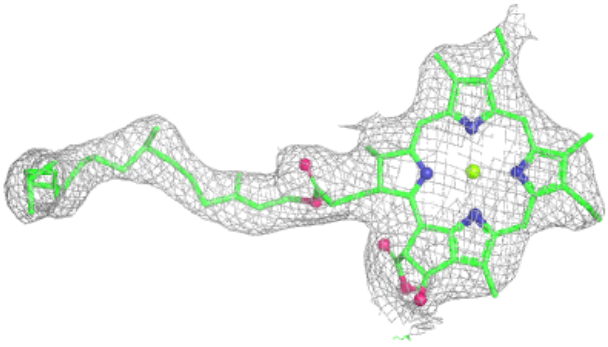


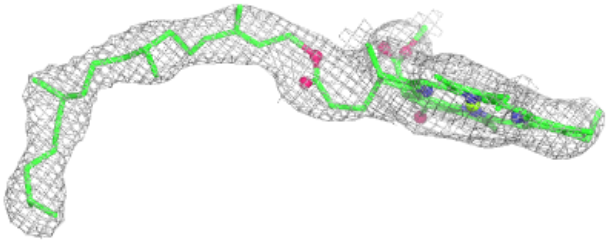


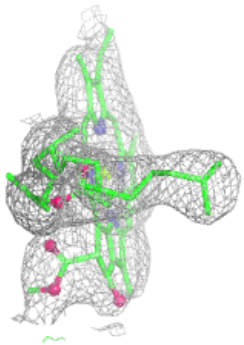


Electron density around CLA G 805:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

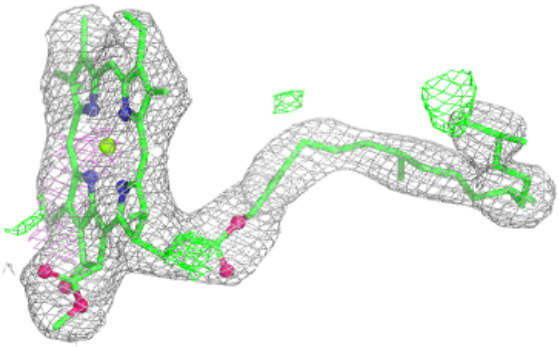


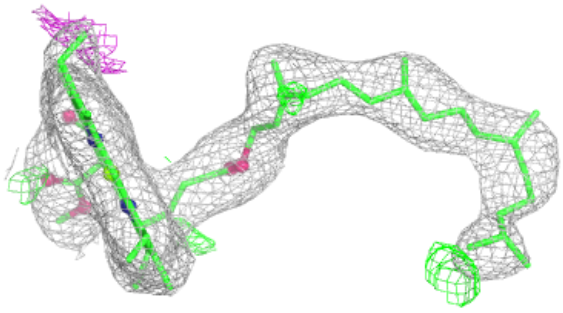


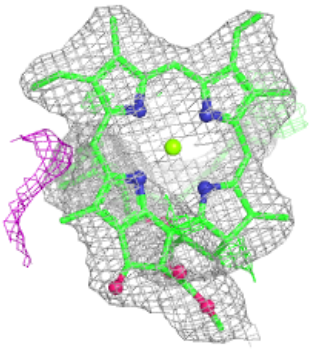


Electron density around CLA L 206:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

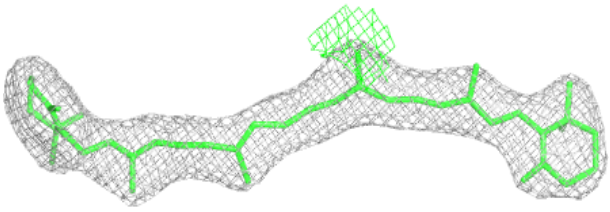


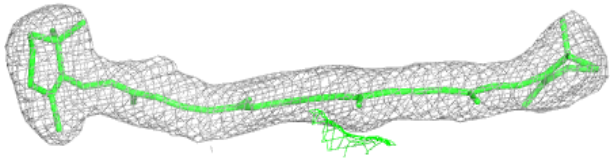


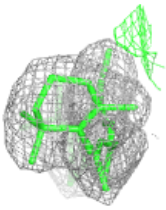


Electron density around BCR G 849:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

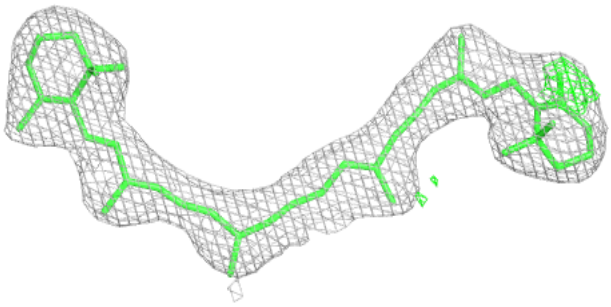


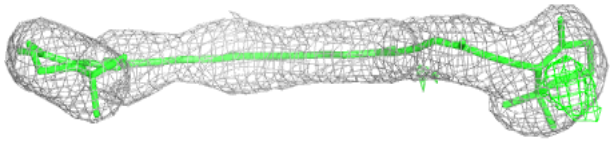


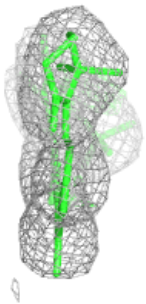


Electron density around BCR G 850:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

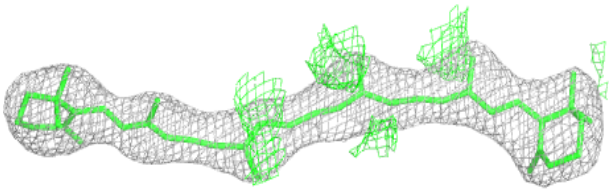


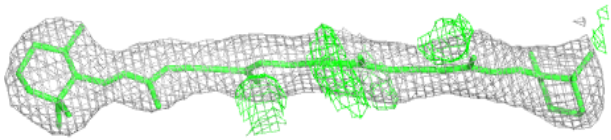


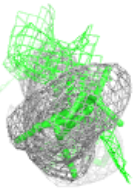


Electron density around BCR G 854:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

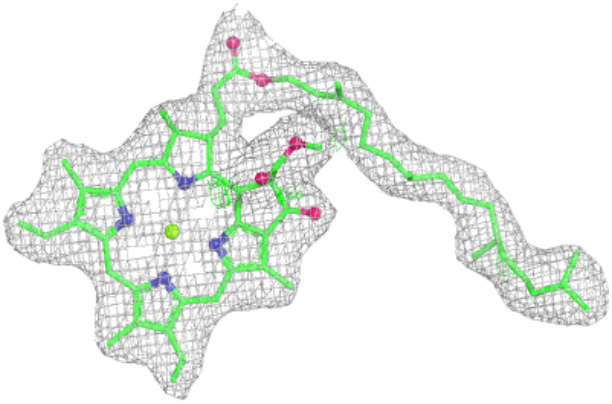


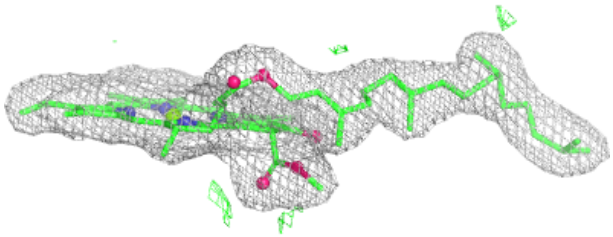


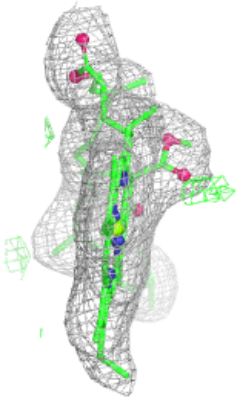


Electron density around CLA L 207:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

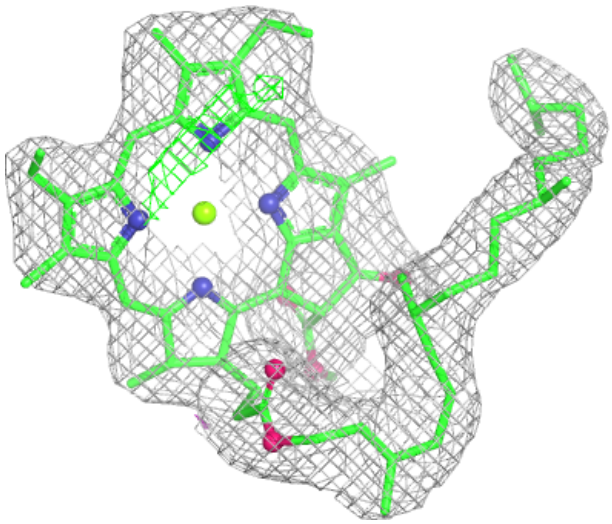


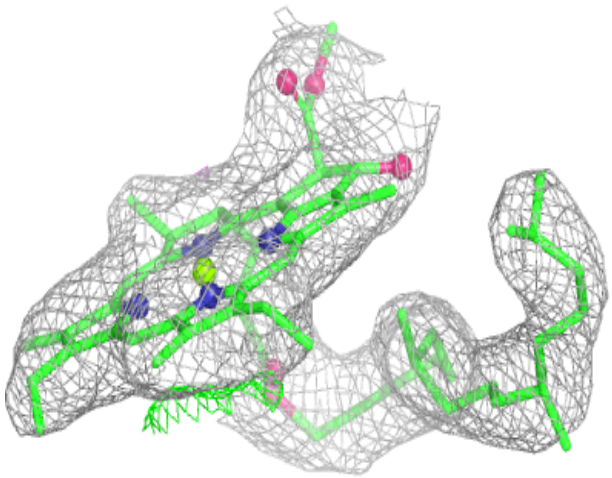


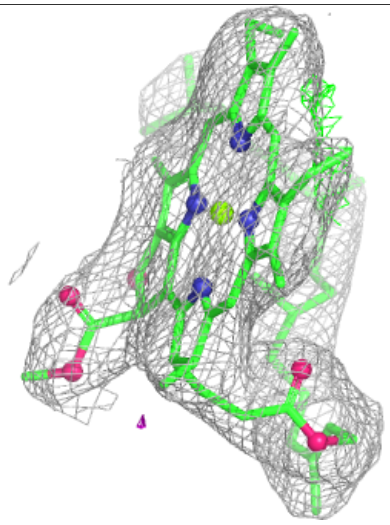


Electron density around CLA Q 201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

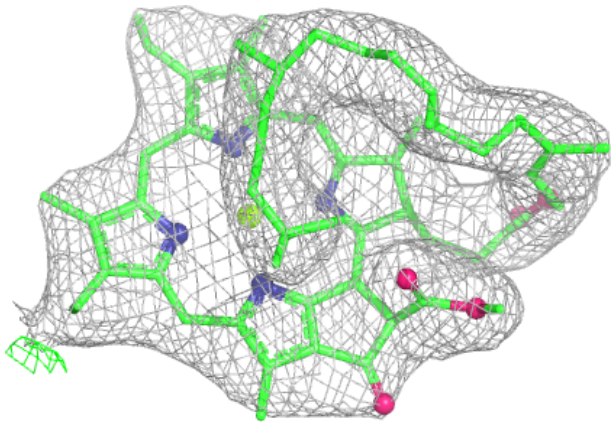


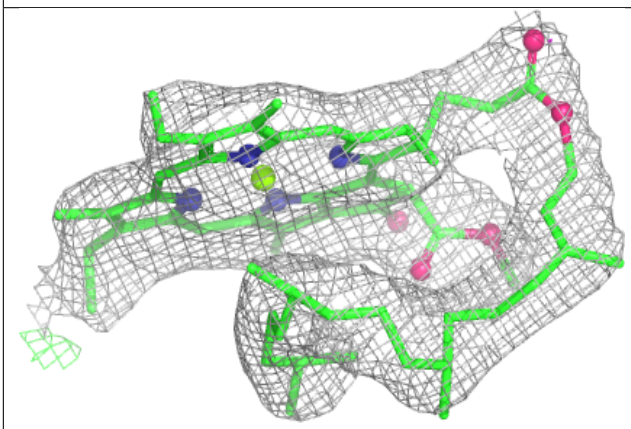


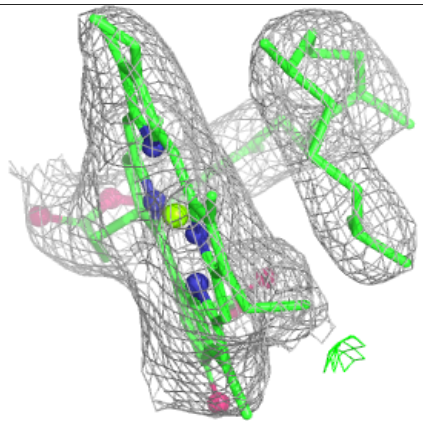


Electron density around CLA G 806:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

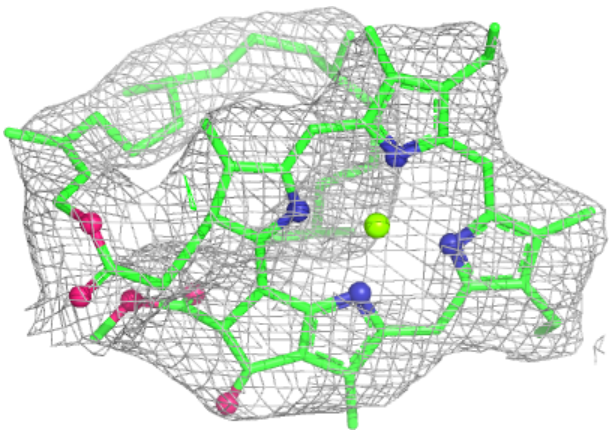


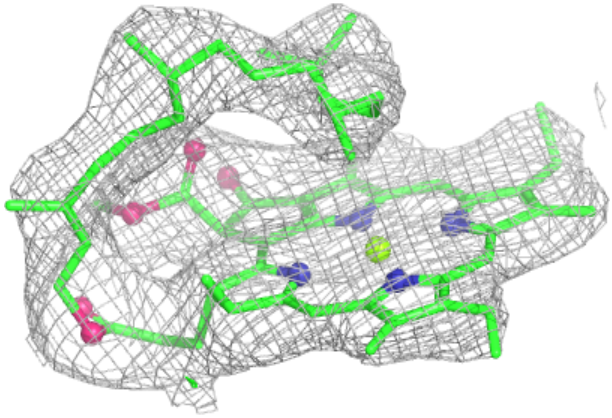


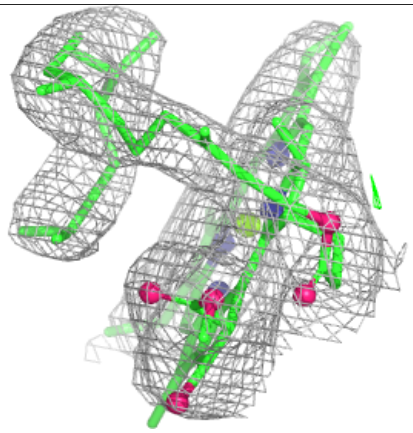


Electron density around CLA A 806:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

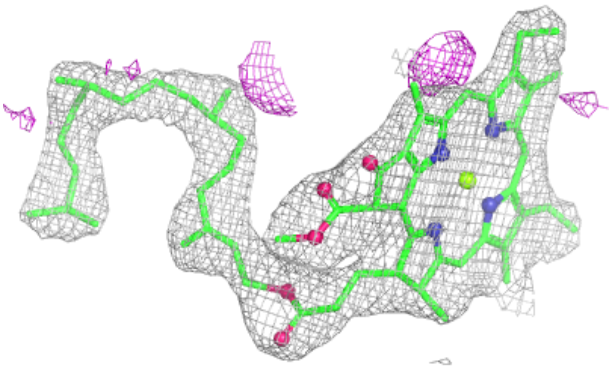


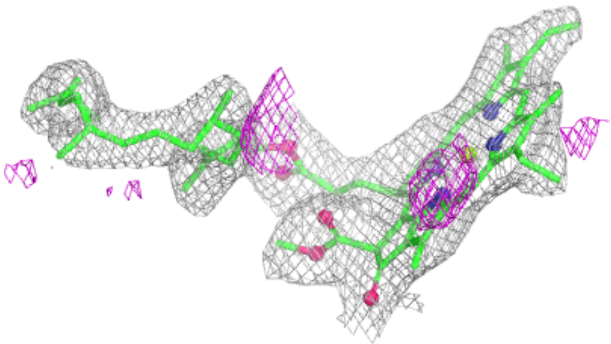


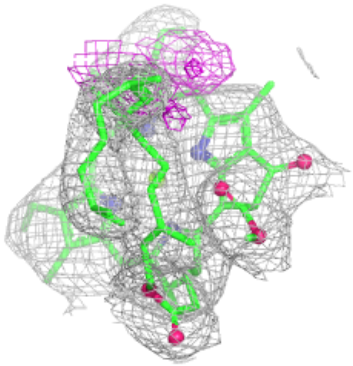


Electron density around CL0 A 801:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

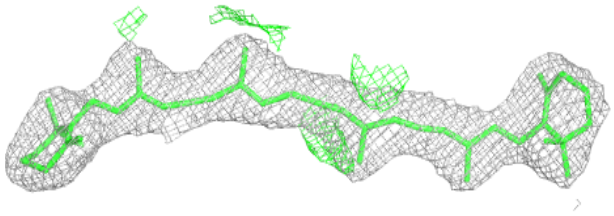


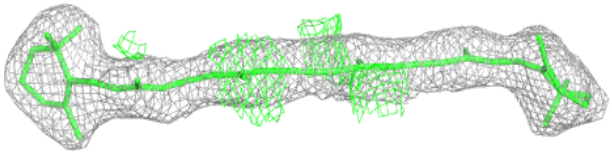


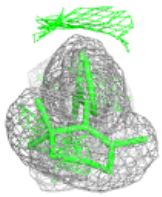


Electron density around BCR H 845:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

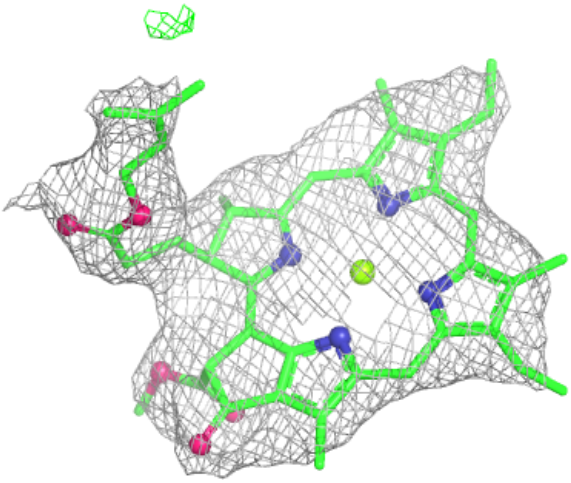


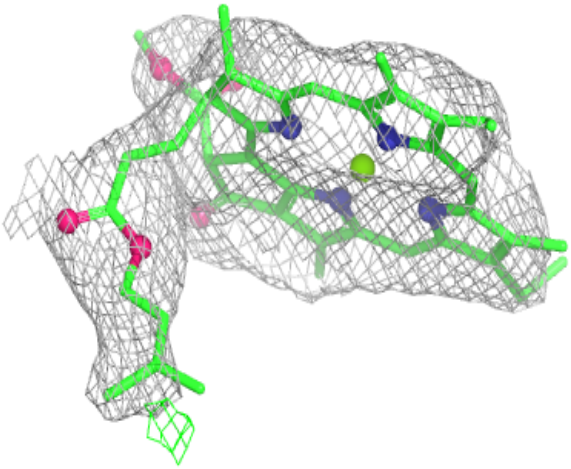


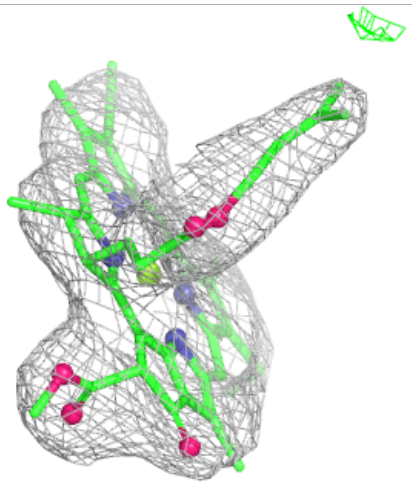


Electron density around CLA A 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

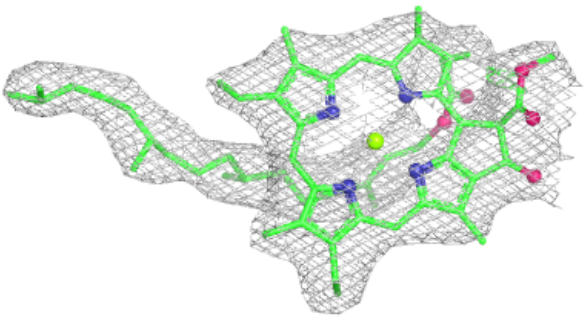


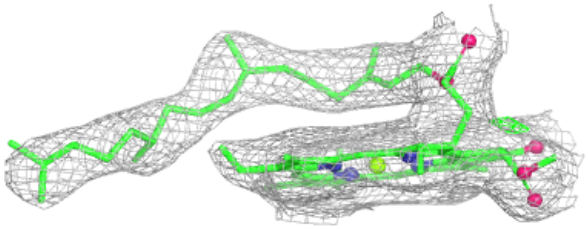


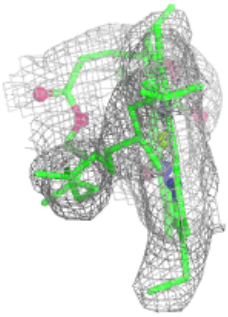


Electron density around CLA B 802:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

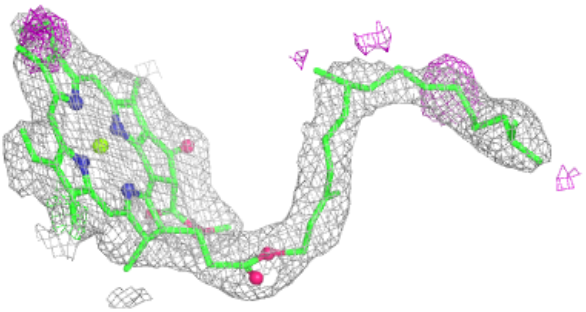


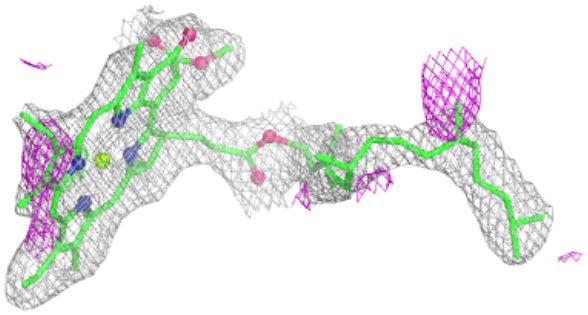


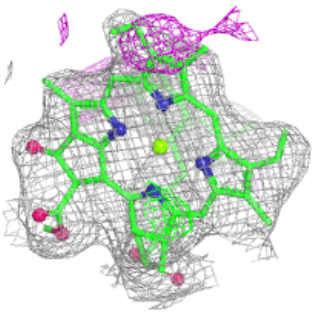


Electron density around CLA B 803:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

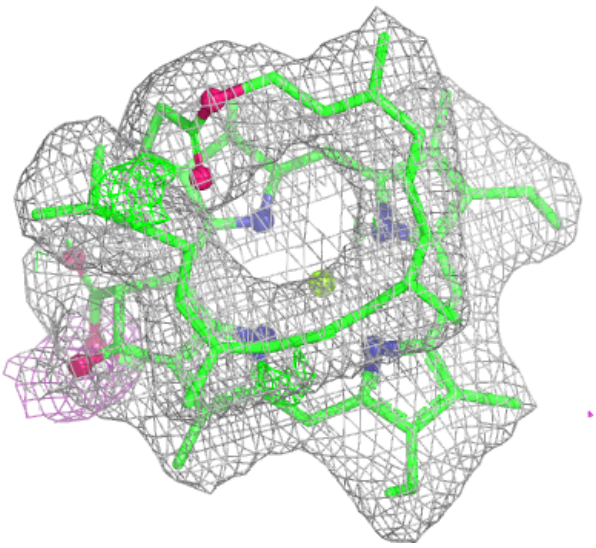


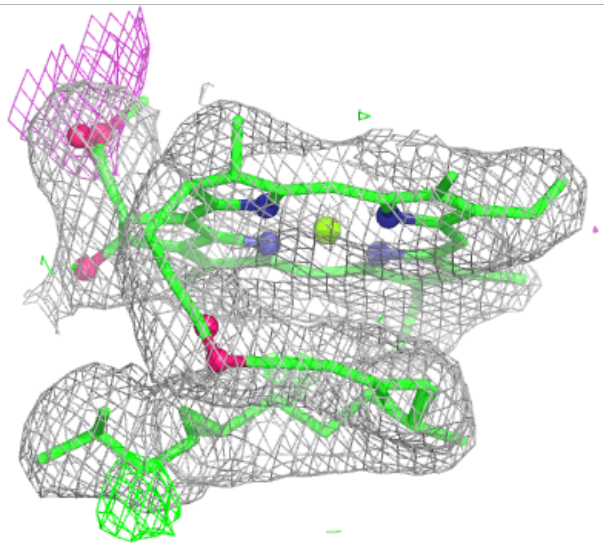


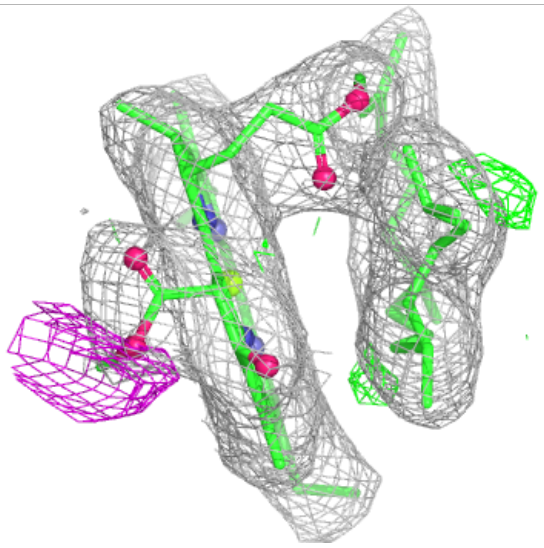


Electron density around CLA U 1002:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

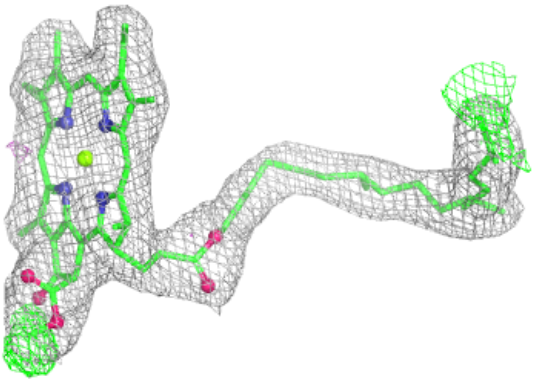


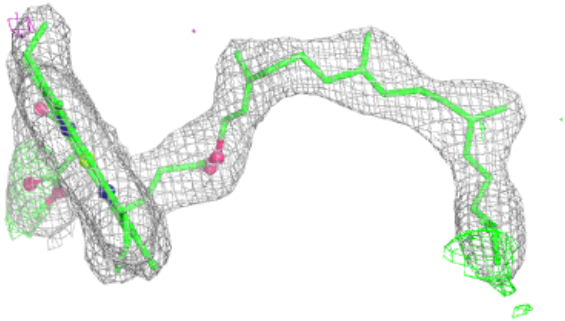


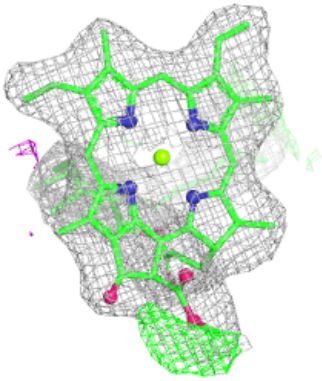


Electron density around CLA U 1003:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

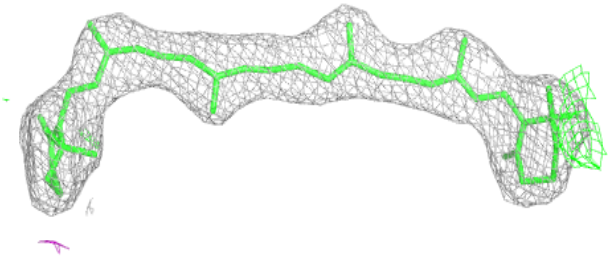


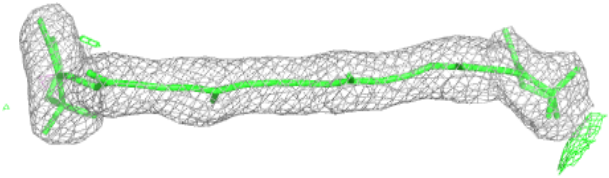




Electron density around BCR L 203:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

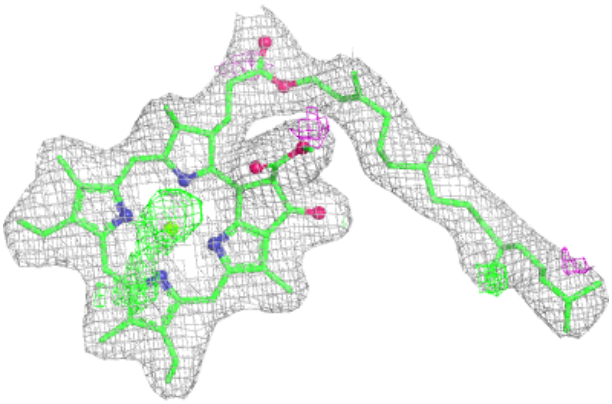


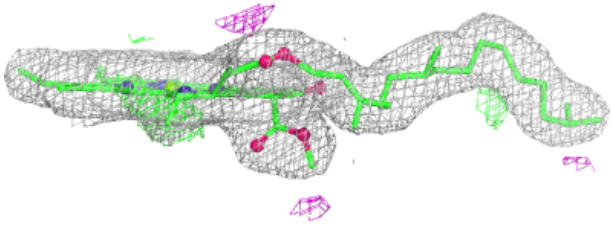


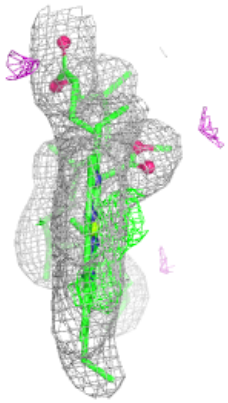


Electron density around CLA U 1004:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

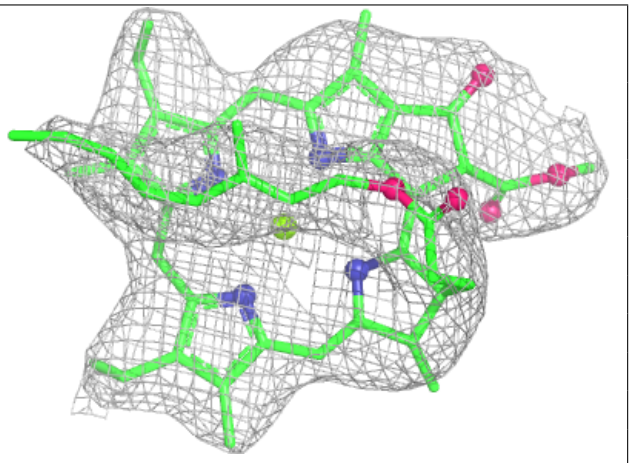


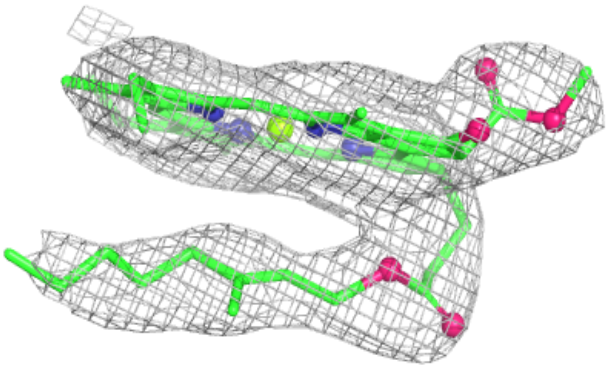


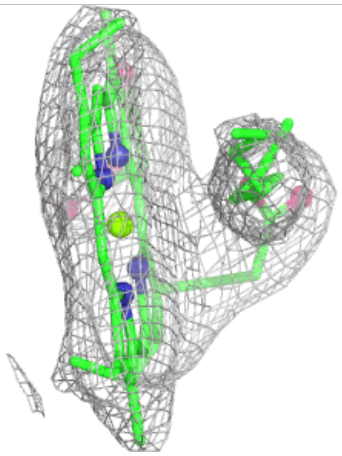


Electron density around CLA G 812:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

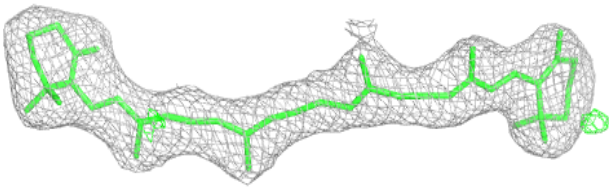


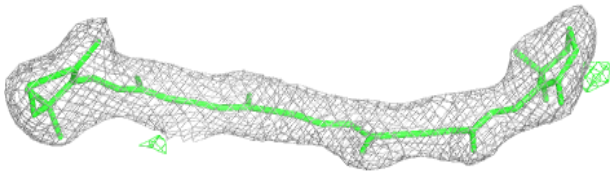


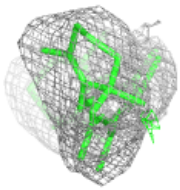


Electron density around BCR M 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

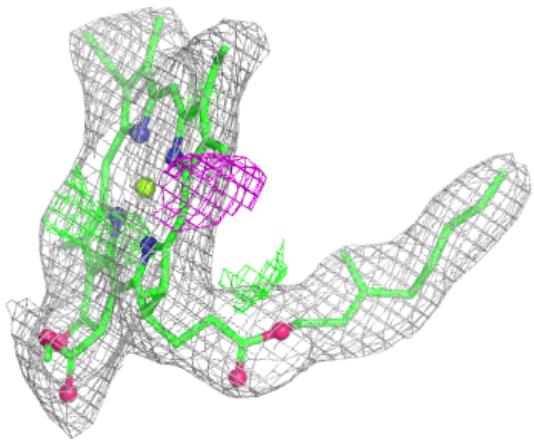


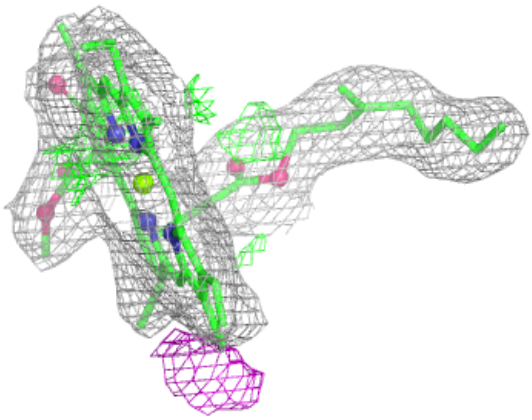


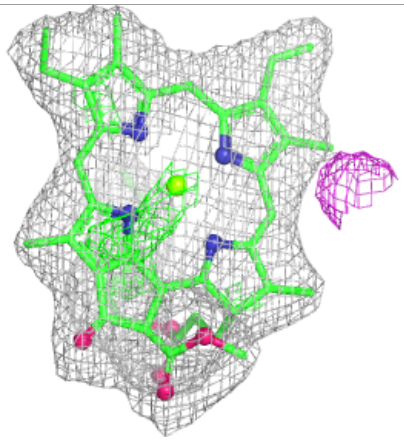


Electron density around CLA V 1201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

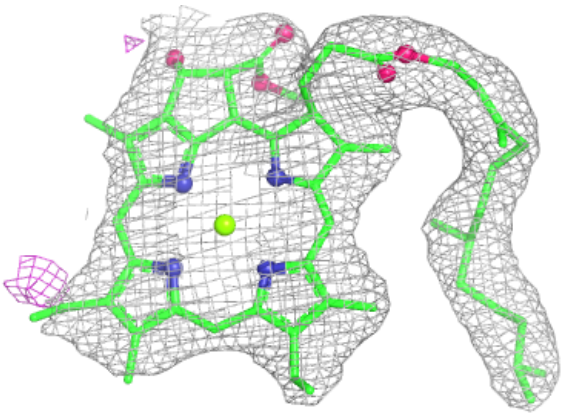


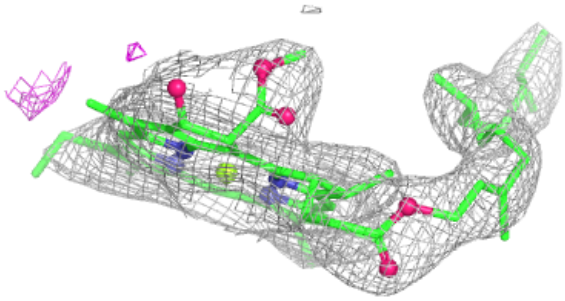


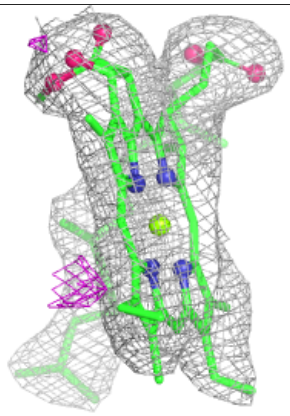


Electron density around CLA G 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

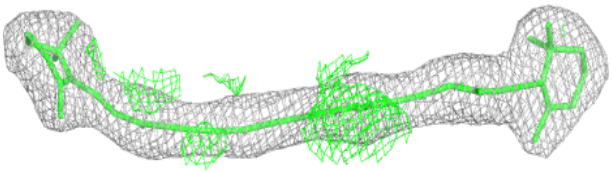


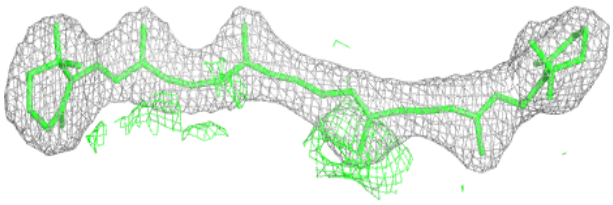


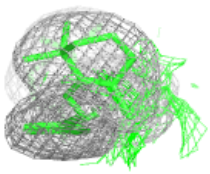


Electron density around BCR R 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

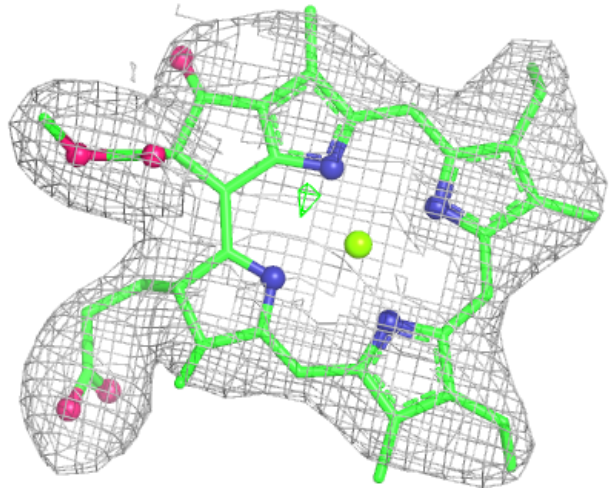


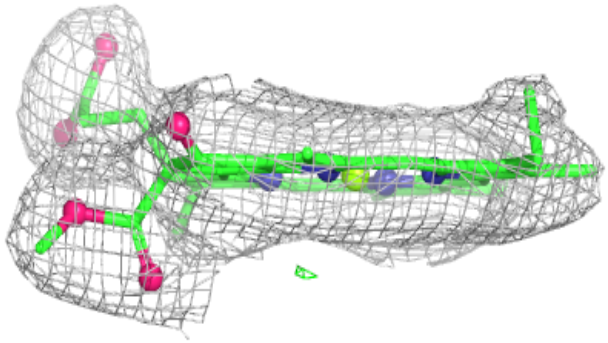


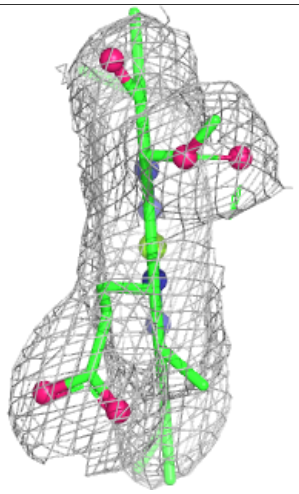


Electron density around CLA X 1701:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)

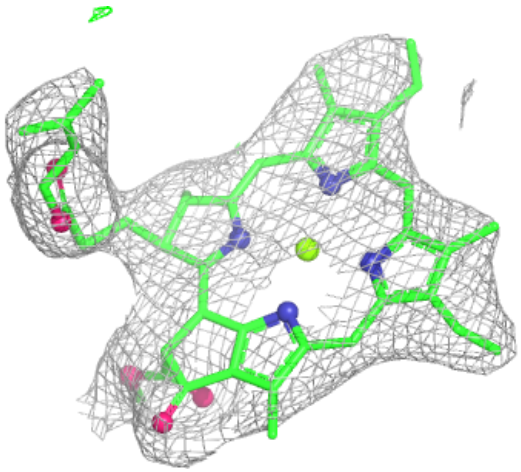


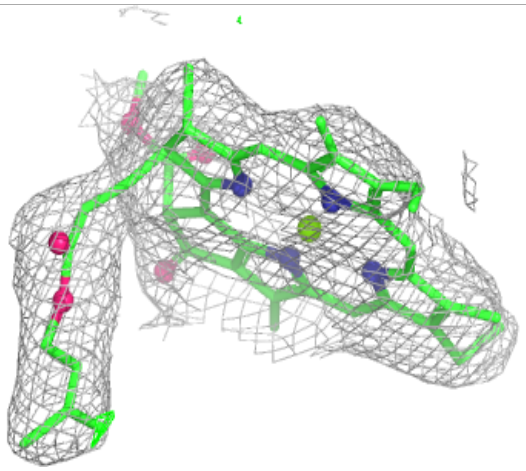


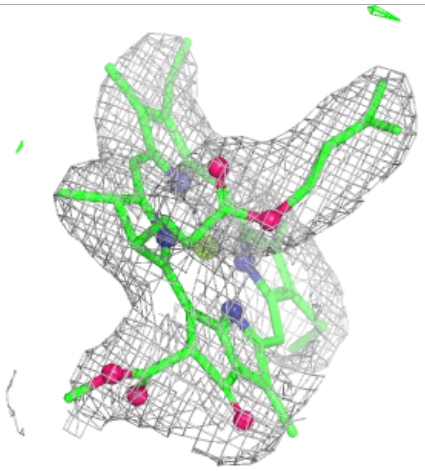


Electron density around CLA G 814:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

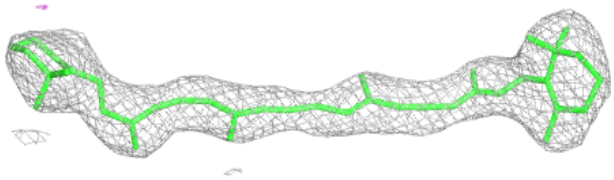


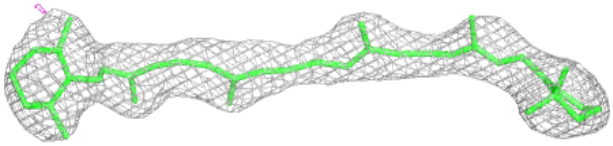


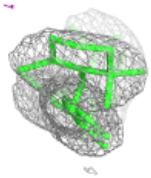


Electron density around BCR T 102:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

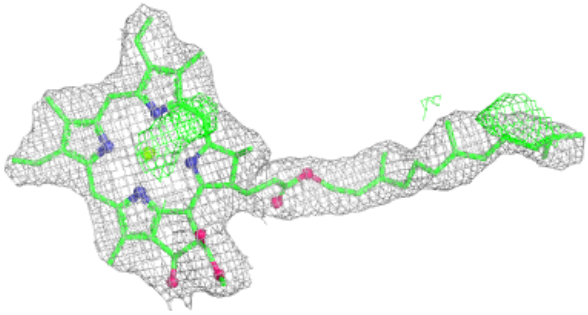


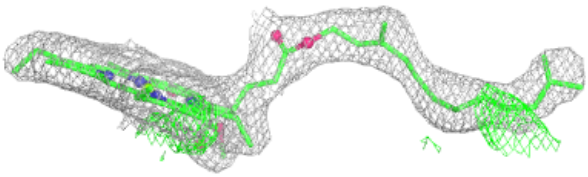


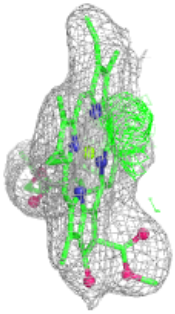


Electron density around CLA A 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

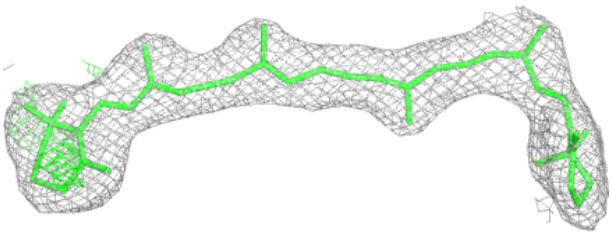


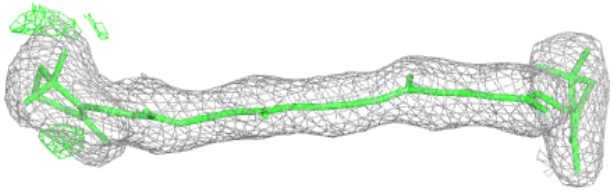


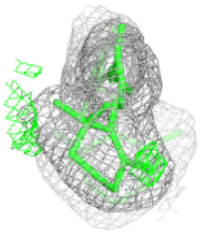


Electron density around BCR U 1007:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

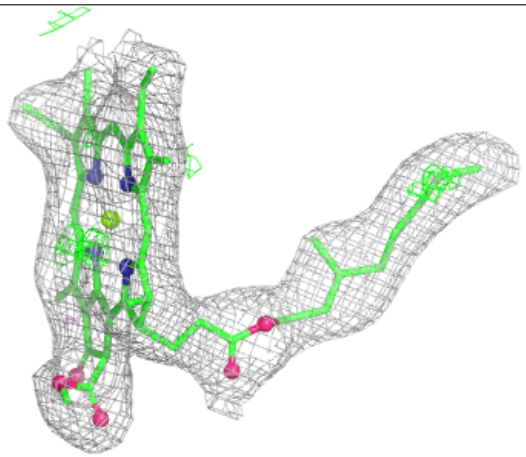


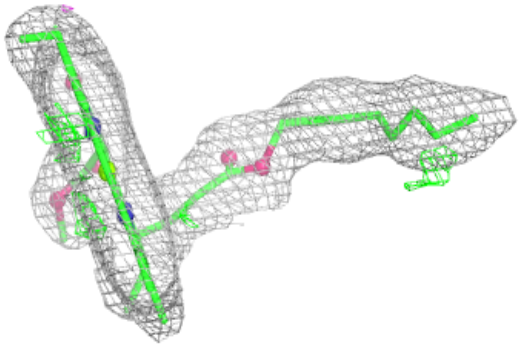


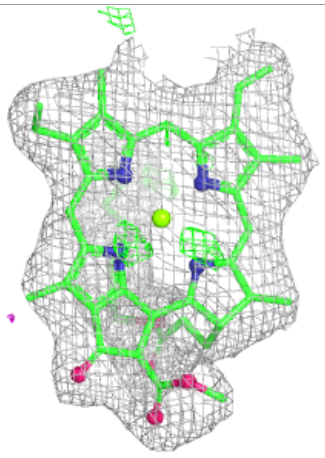


Electron density around CLA B 805:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

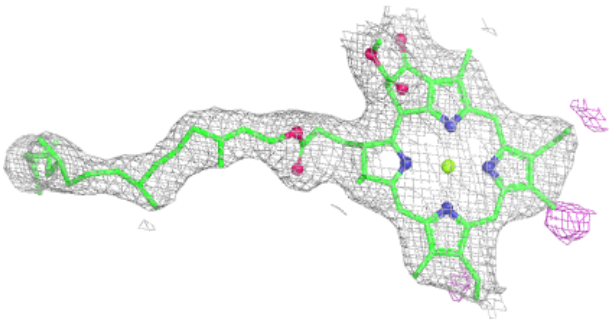


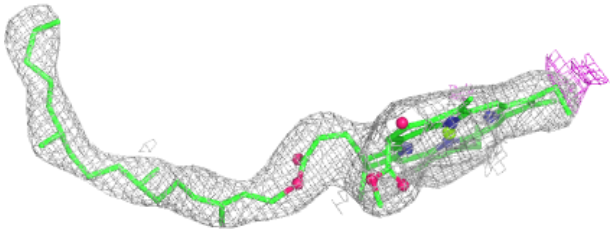


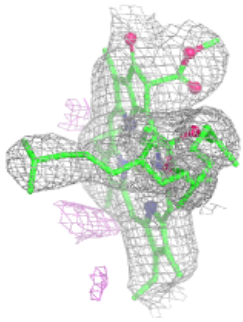


Electron density around CLA Y 805:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

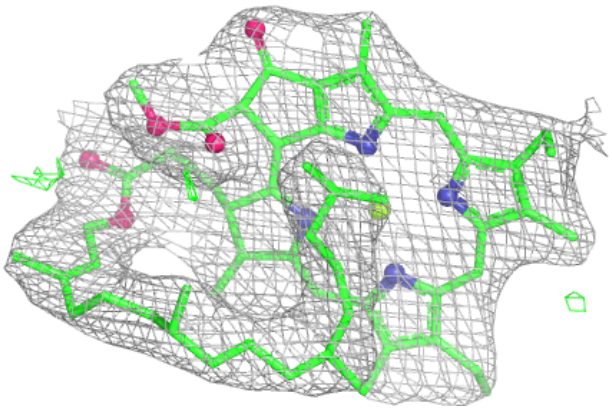


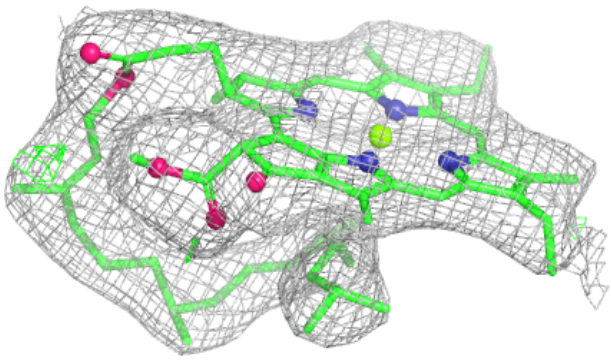


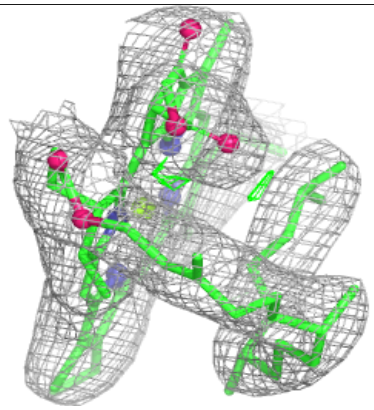


Electron density around CLA Y 806:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

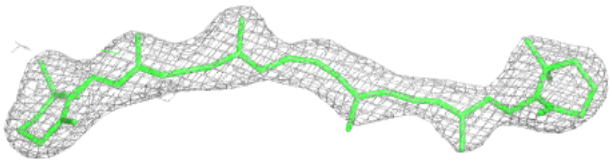


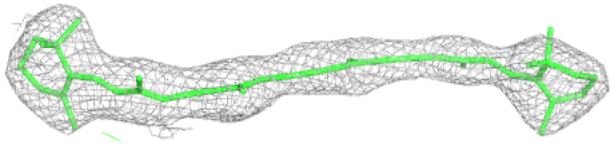


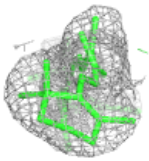


Electron density around BCR Y 847:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

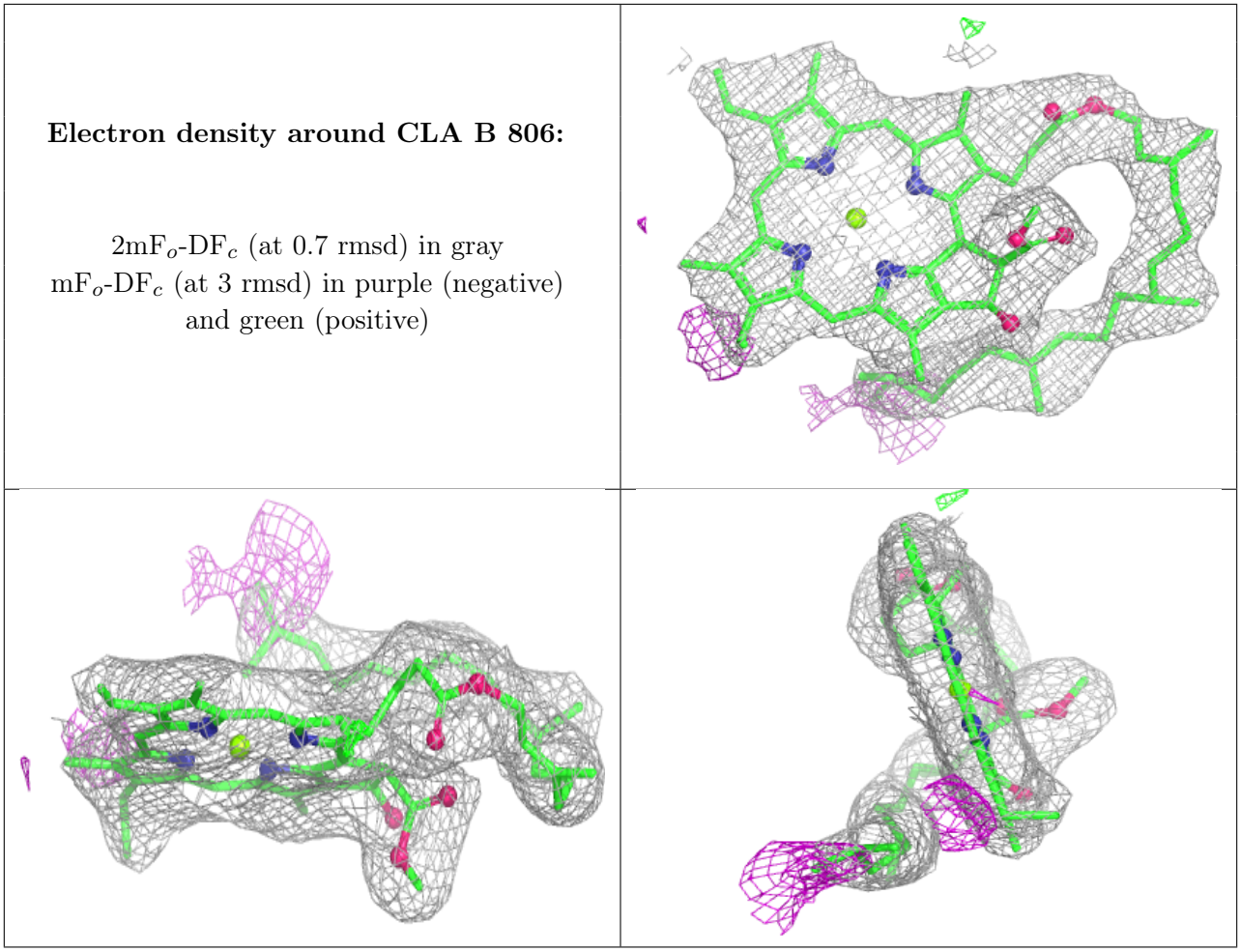






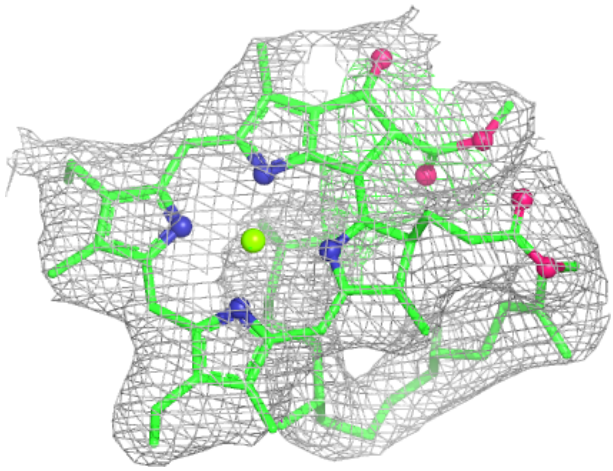
Electron density around CLA B 806:

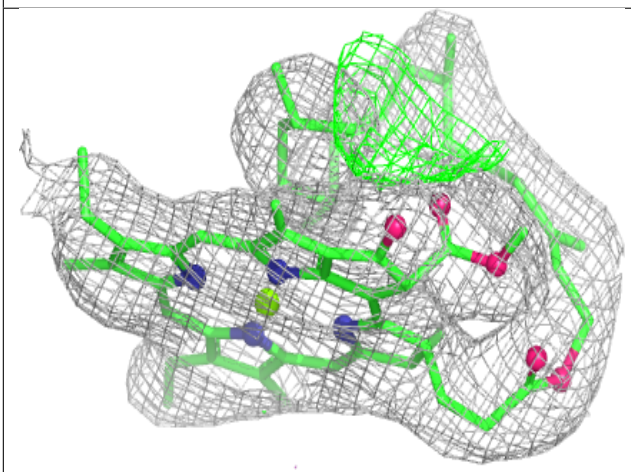
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

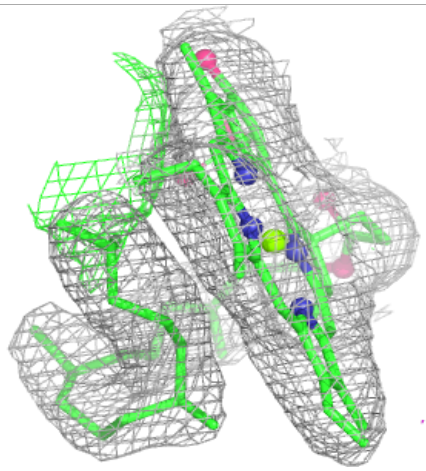


Electron density around CLA B 807:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

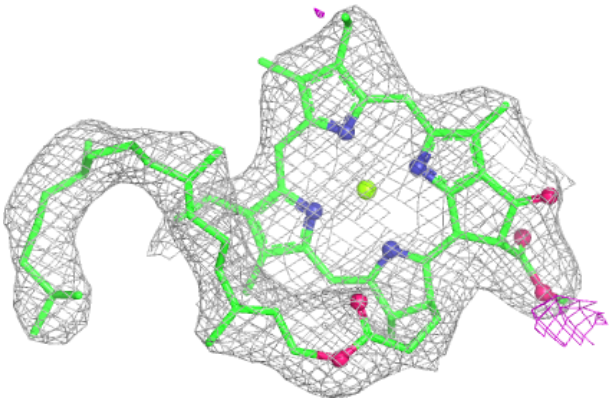


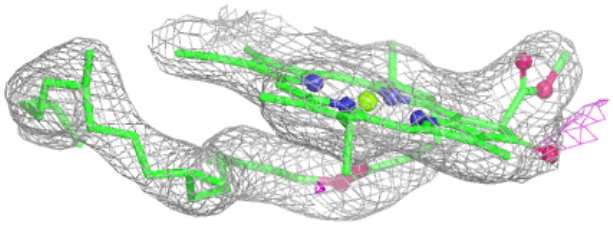


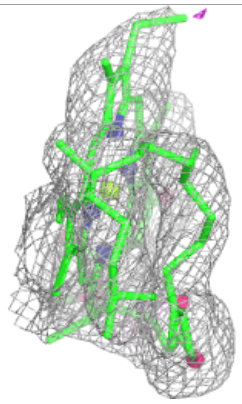


Electron density around CLA G 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

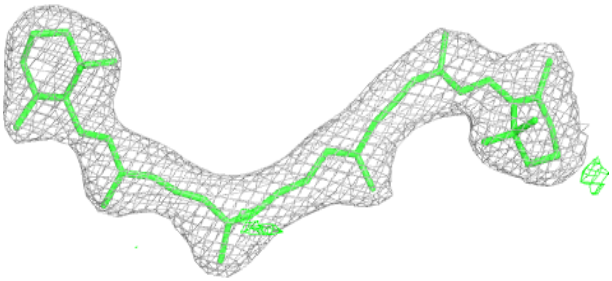


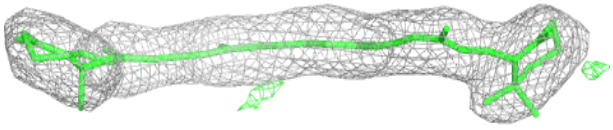


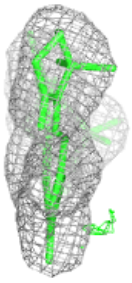


Electron density around BCR Y 851:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

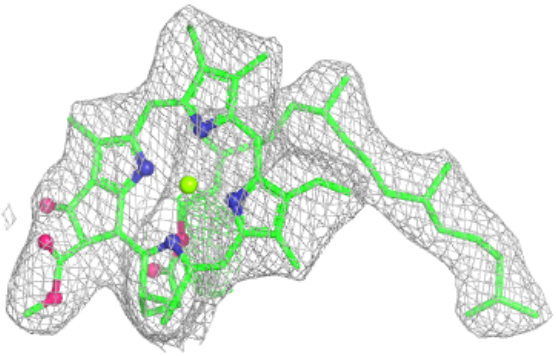


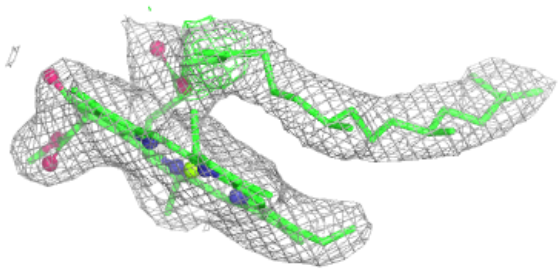


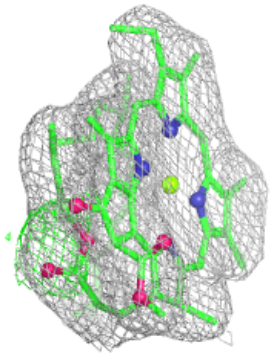


Electron density around CLA B 808:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

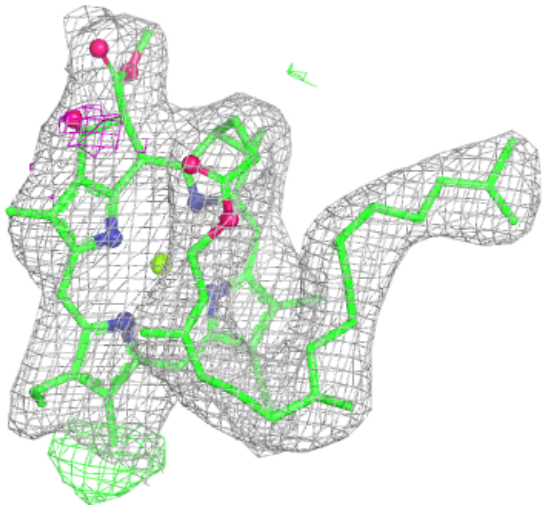


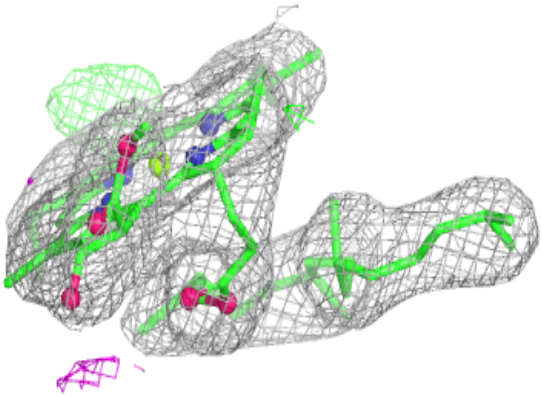


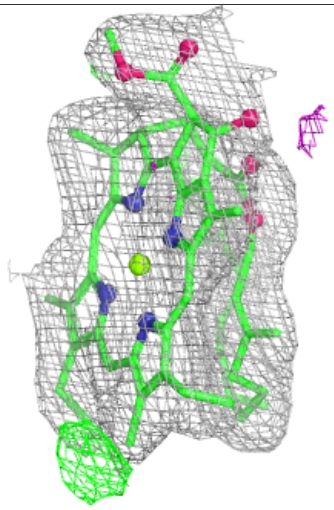


Electron density around CLA B 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

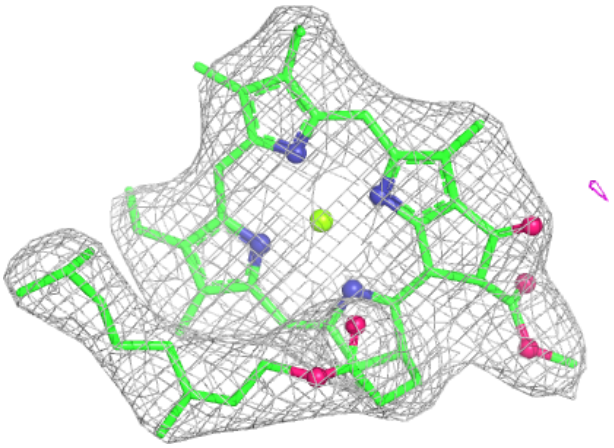


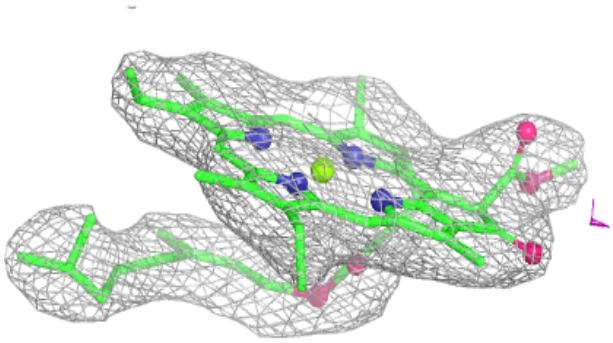


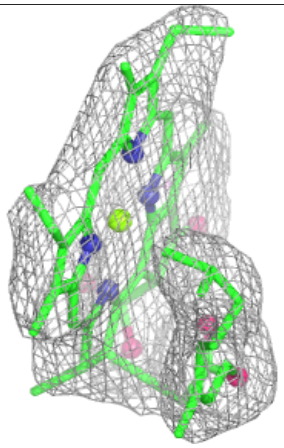


Electron density around CLA Y 812:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

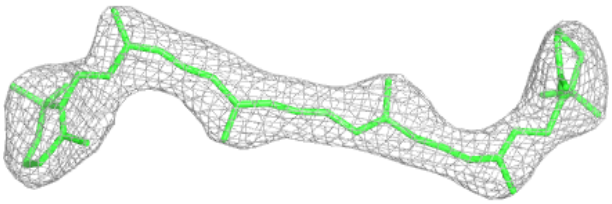


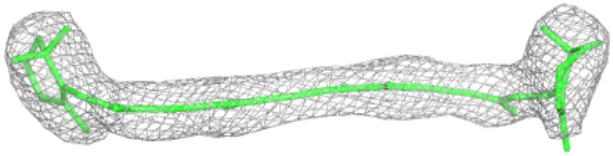


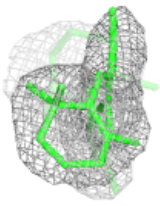


Electron density around BCR Z 843:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

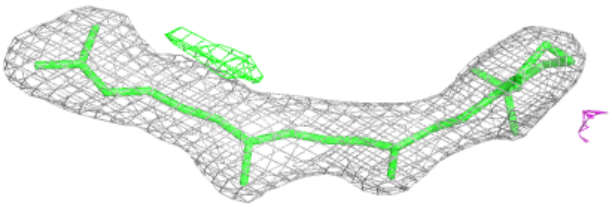


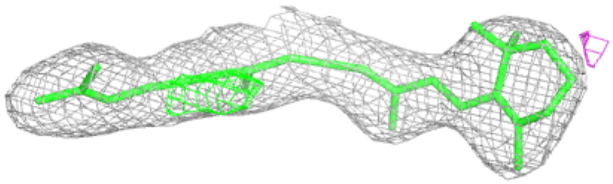


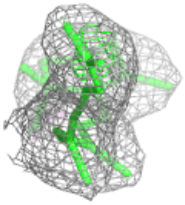


Electron density around BCR Z 844:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

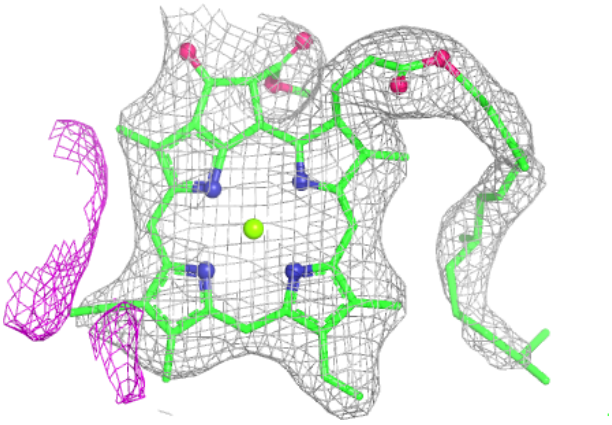


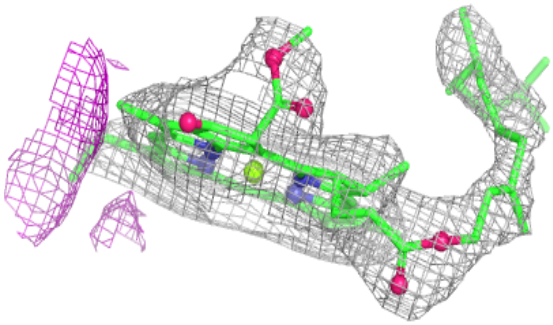


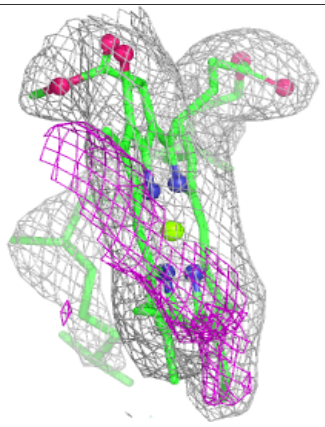


Electron density around CLA Y 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

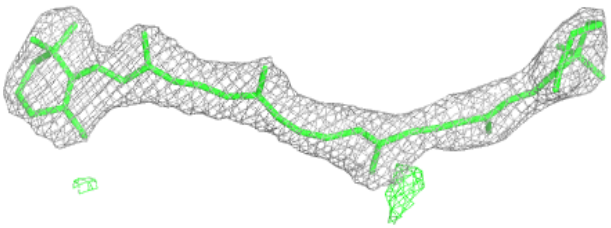


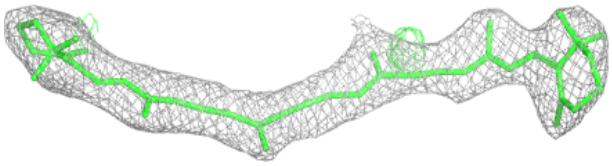


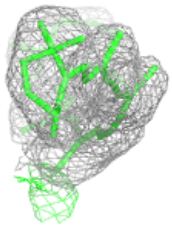


Electron density around BCR Z 846:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

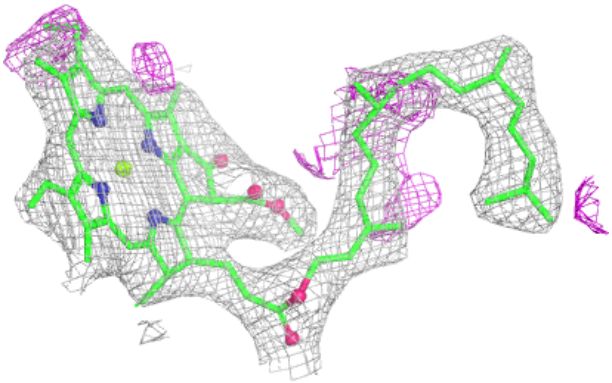


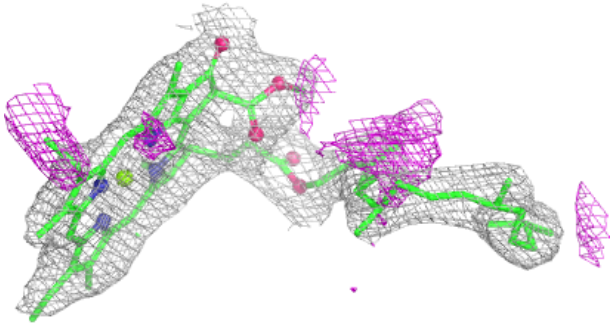


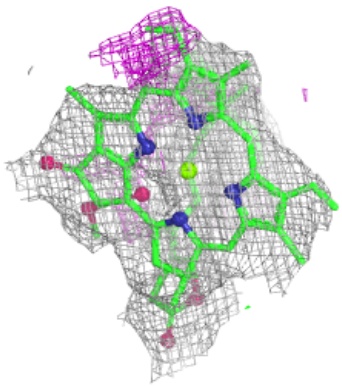


Electron density around CL0 G 801:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

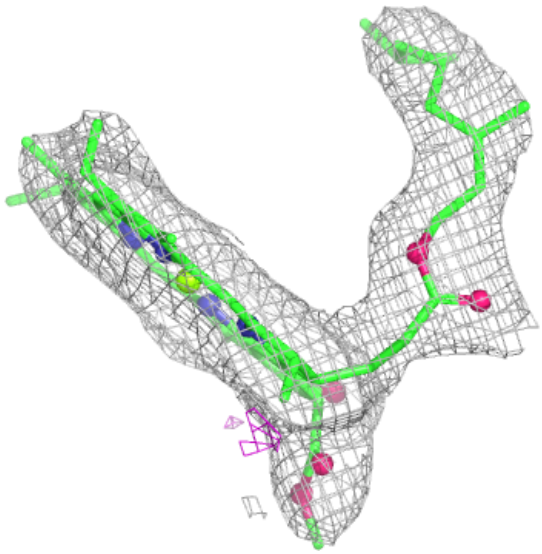


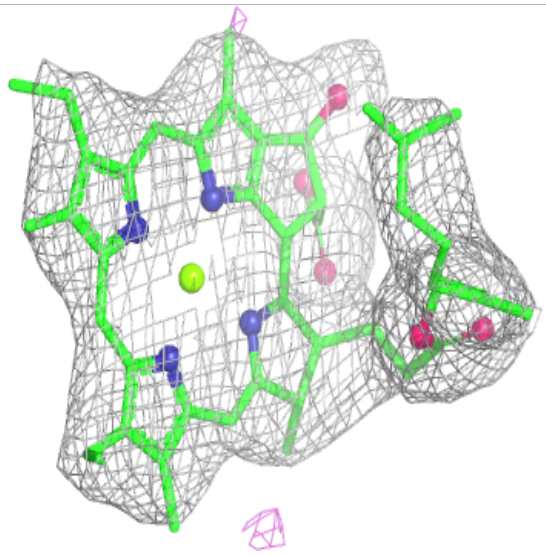


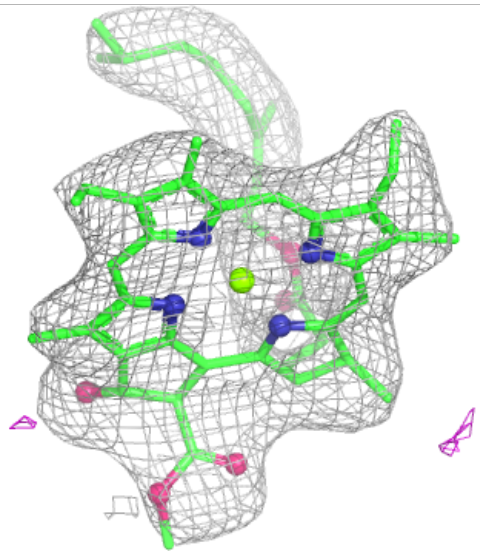


Electron density around CLA B 811:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

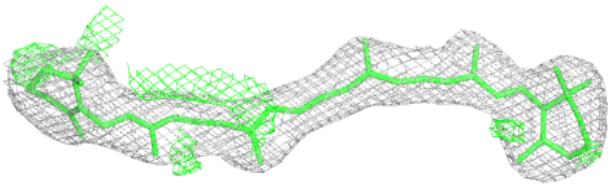


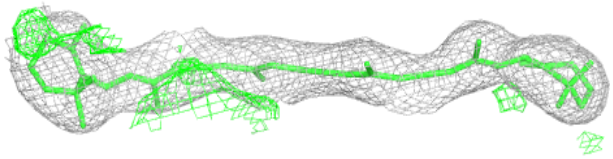


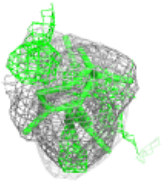


Electron density around BCR f 103:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

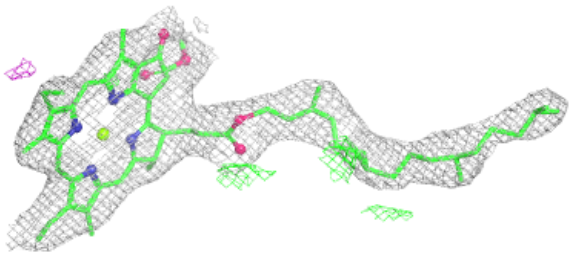


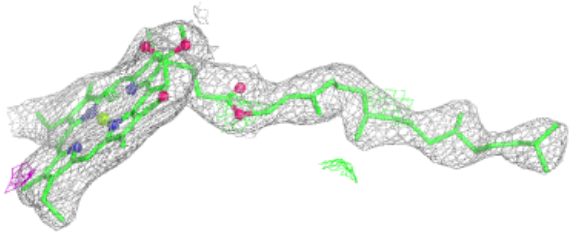


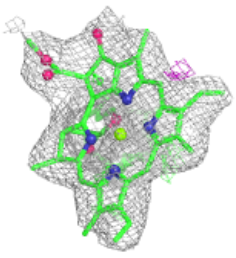


Electron density around CLA A 809:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

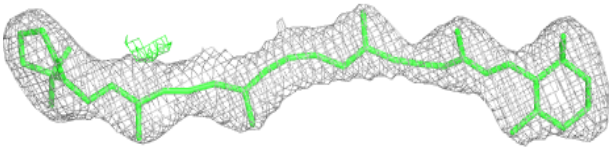


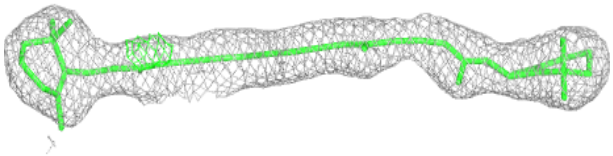


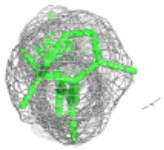


Electron density around BCR f 105:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

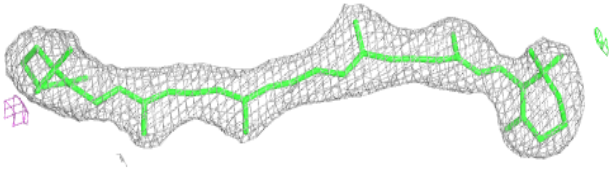


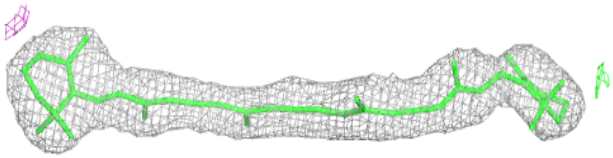


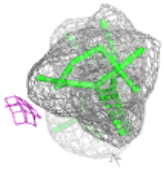


Electron density around BCR h 202:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

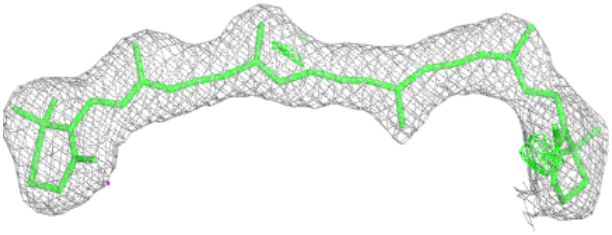


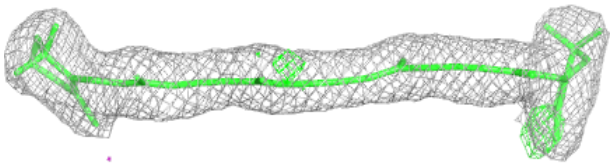


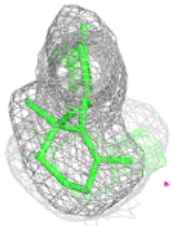


Electron density around BCR h 203:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

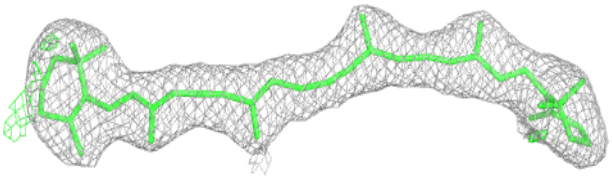


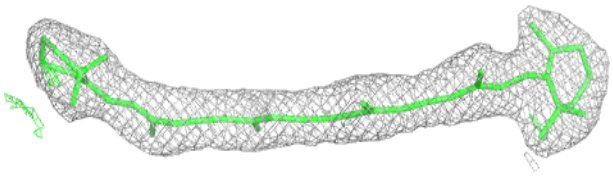


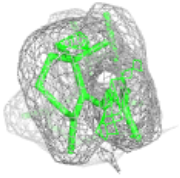


Electron density around BCR i 101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

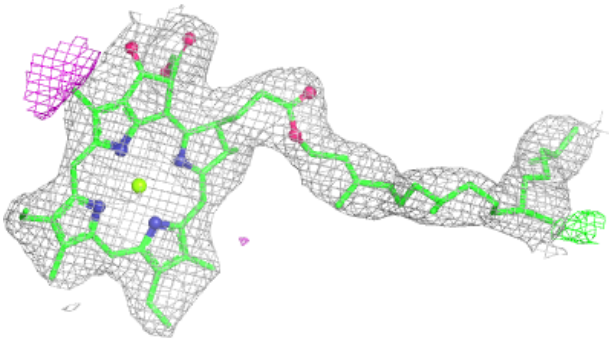


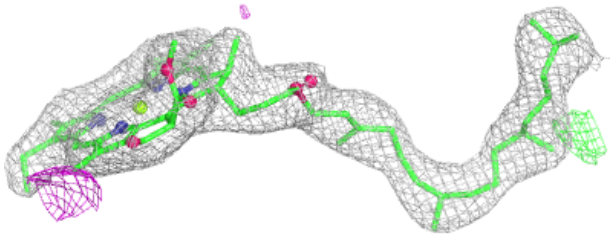




Electron density around CLA B 813:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

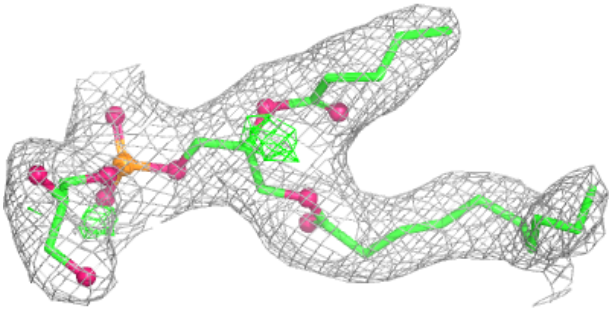


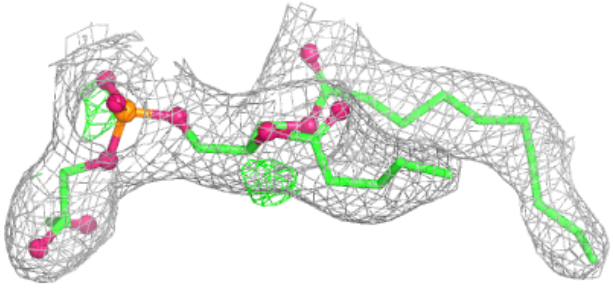


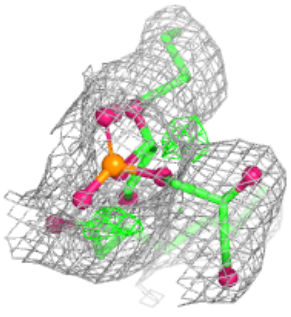


Electron density around LHG A 851:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

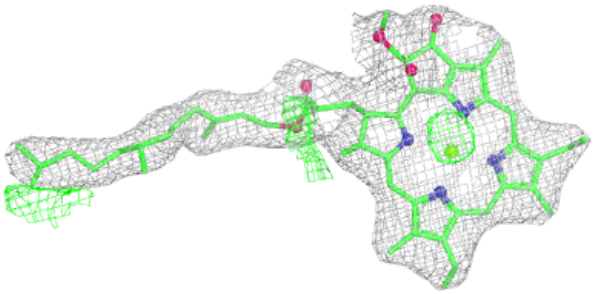




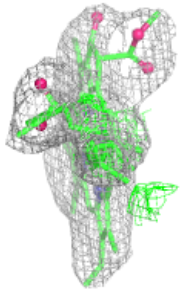


Electron density around CLA G 826:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

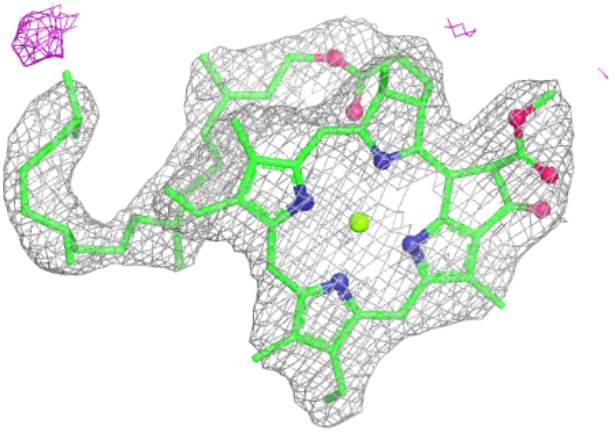


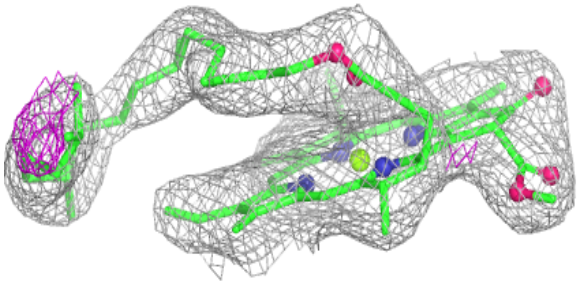


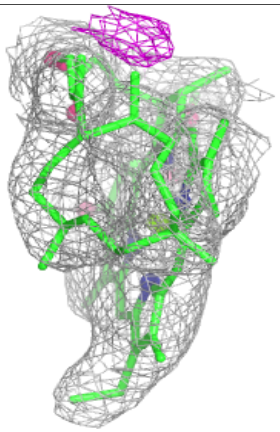


Electron density around CLA Y 819:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

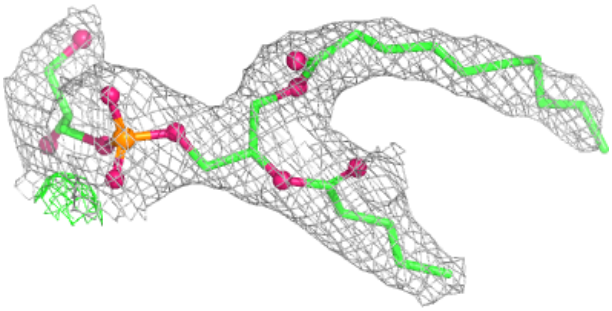


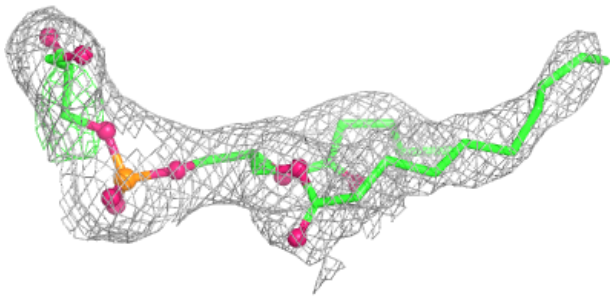


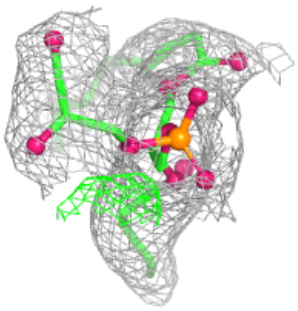


Electron density around LHG G 852:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

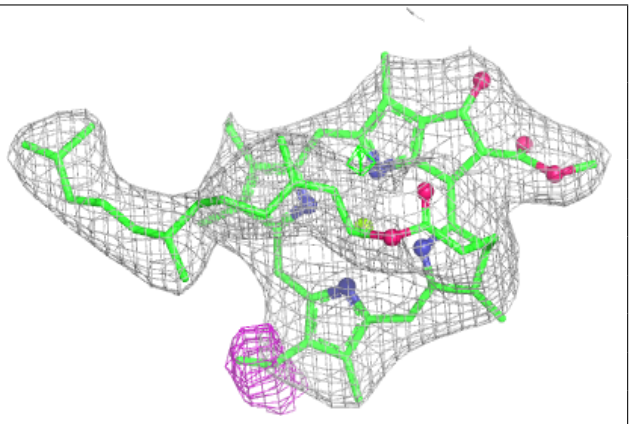


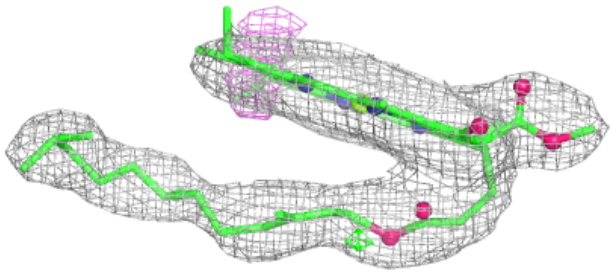


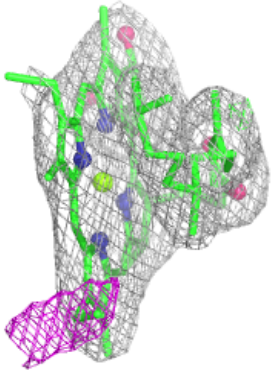


Electron density around CLA A 817:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

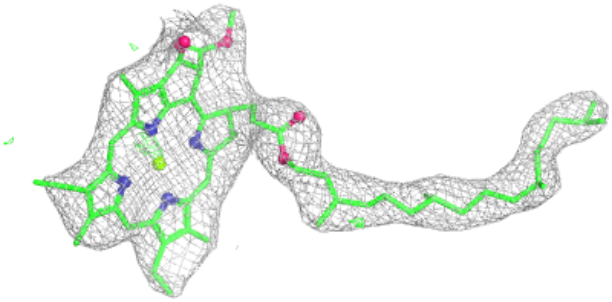


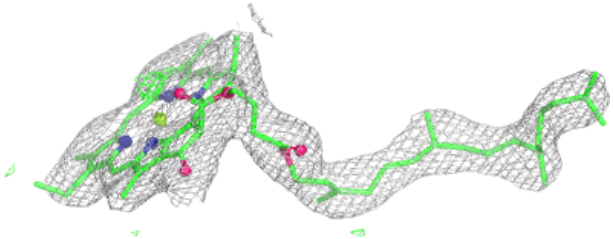


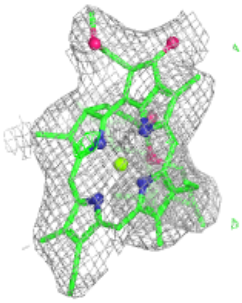


Electron density around CLA Y 821:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

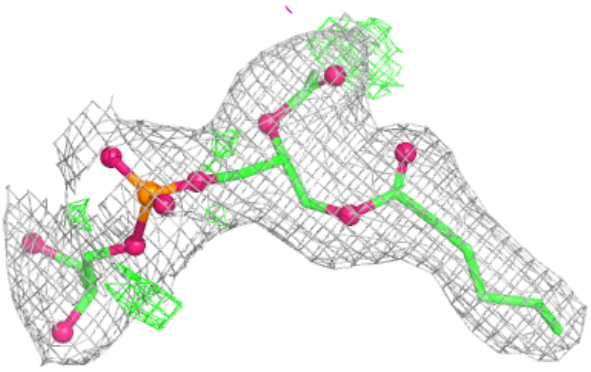


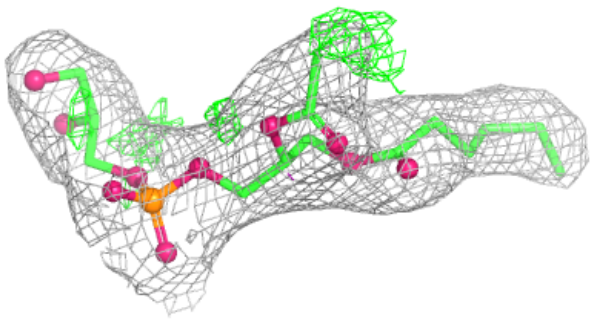


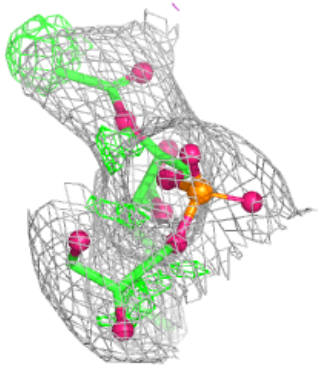


Electron density around LHG Y 853:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

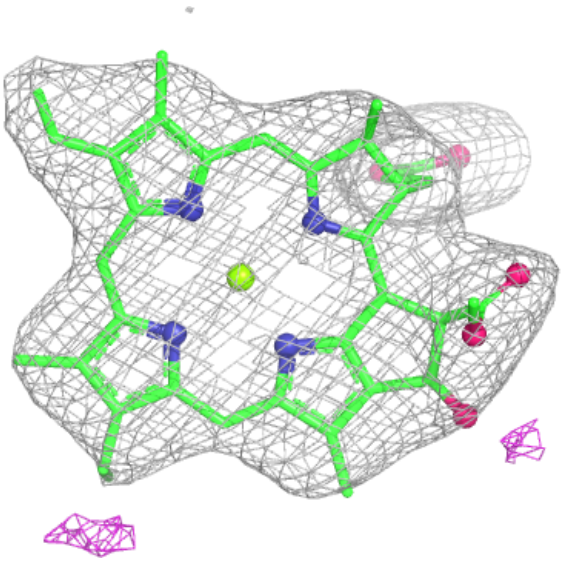


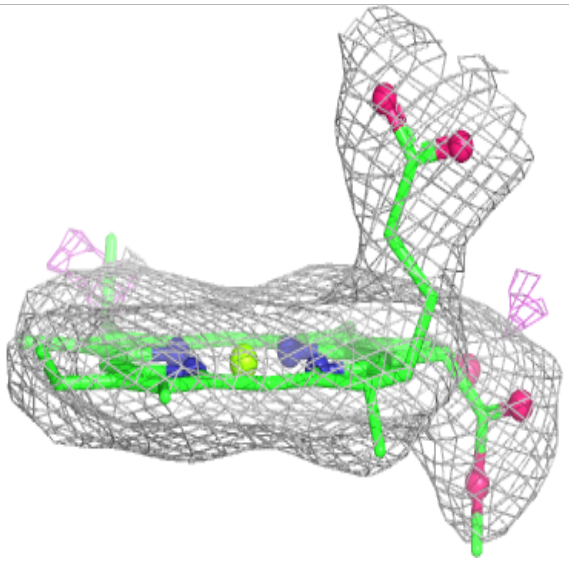


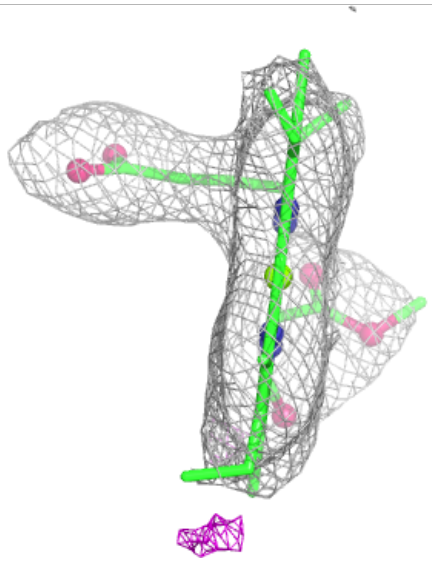


Electron density around CLA B 815:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

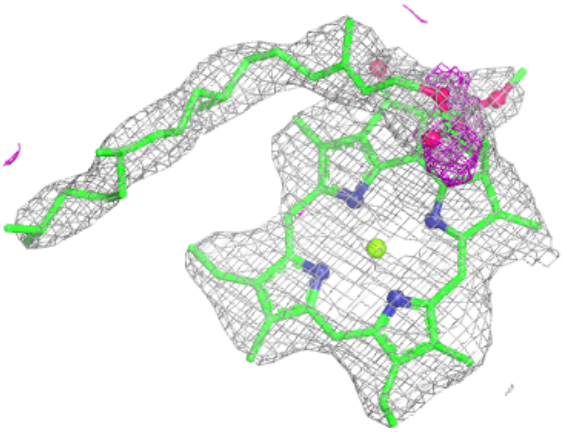


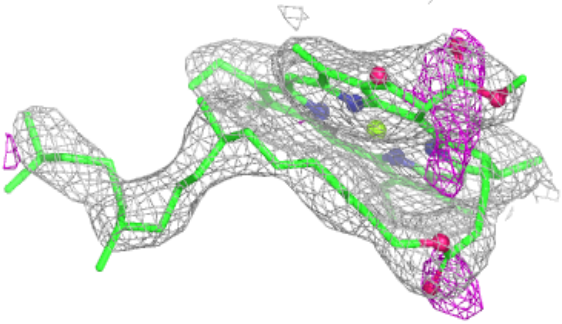


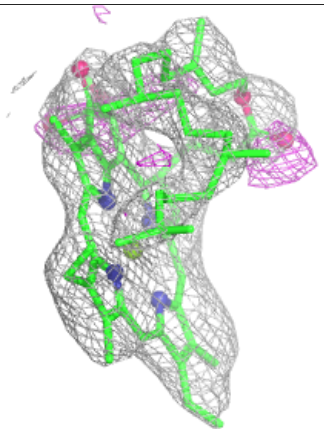


Electron density around CLA G 829:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

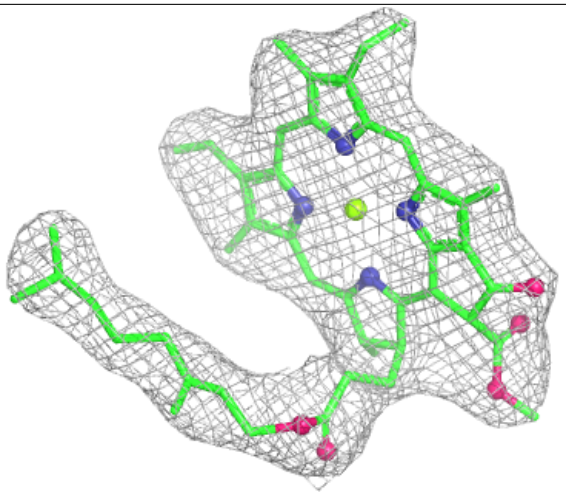


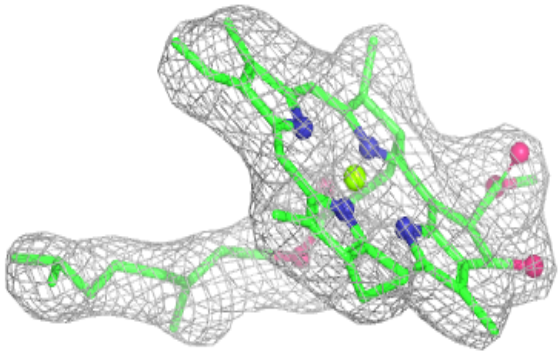


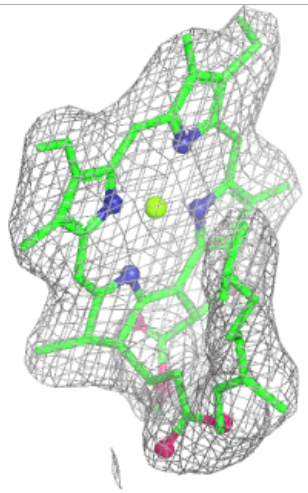


Electron density around CLA B 816:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

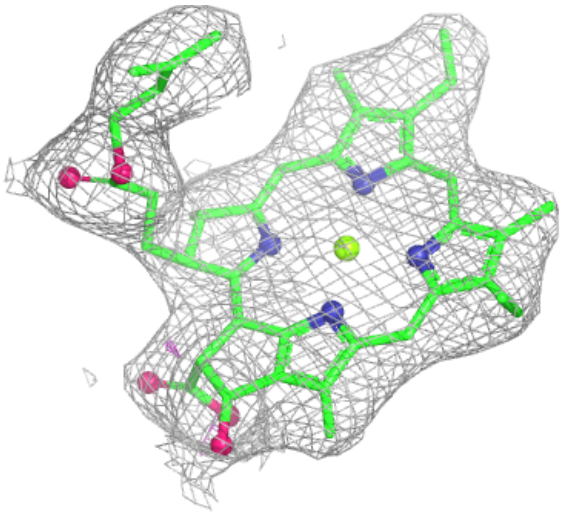


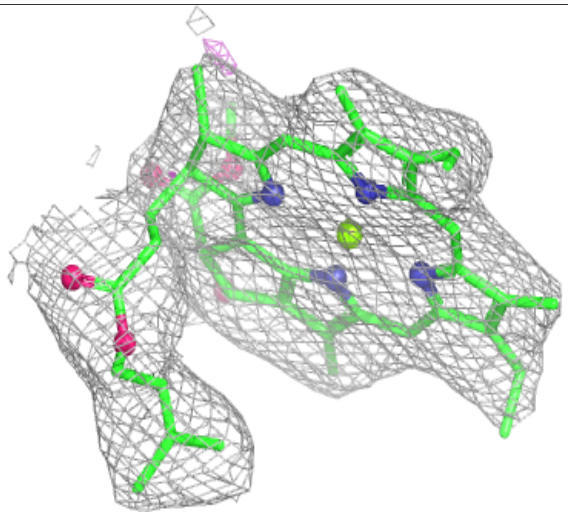


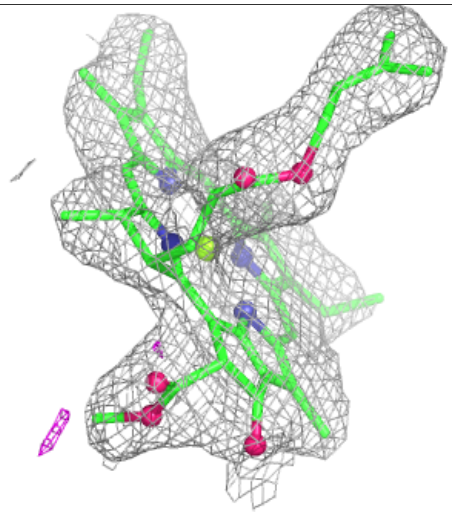


Electron density around CLA G 831:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)







6.5 Other polymers

There are no such residues in this entry.