Full wwPDB X-ray Structure Validation Report ⓘ

Aug 5, 2026 – 05:53 PM EDT

PDB ID	:	6PFY / pdb_00006pfy
Title	:	Membrane Protein Megahertz Crystallography at the European XFEL, Photosystem I at synchrotron to 2.9 A
Authors	:	Fromme, R.
Deposited on	:	2019-06-23
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:

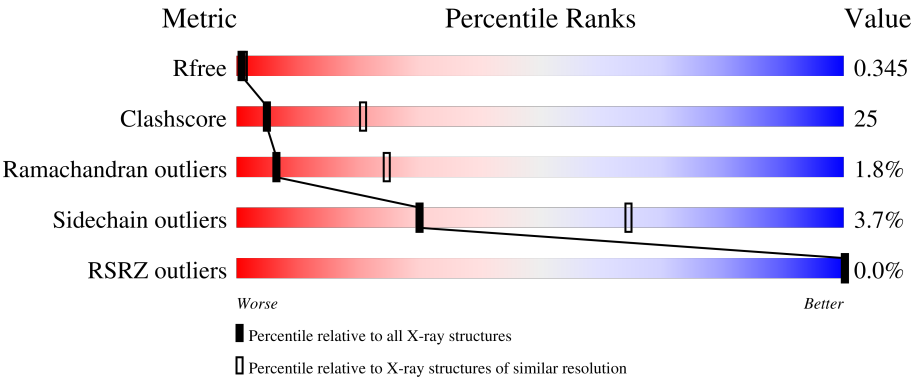
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.015 (Gargrove)
Density-Fitness	:	1.0.12
Ideal 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.



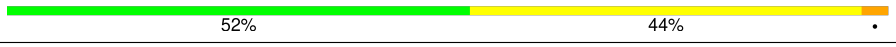
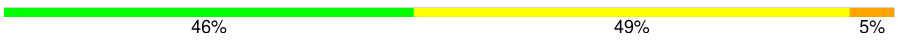
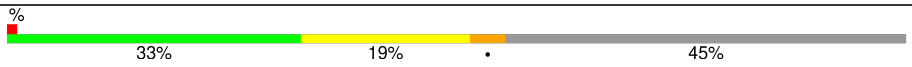
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	2481 (2.90-2.90)
Clashscore	190562	2690 (2.90-2.90)
Ramachandran outliers	187476	2623 (2.90-2.90)
Sidechain outliers	187428	2625 (2.90-2.90)
RSRZ outliers	180081	2481 (2.90-2.90)

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% 40%
1	G	755	55% 41%
1	Y	755	52% 43%
2	B	741	55% 43%
2	H	741	57% 41%

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Mol	Chain	Length	Quality of chain
2	Z	741	
3	C	81	
3	N	81	
3	a	81	
4	D	139	
4	O	139	
4	b	139	
5	E	76	
5	P	76	
5	c	76	
6	F	164	
6	Q	164	
6	d	164	
7	I	38	
7	R	38	
7	e	38	
8	J	41	
8	S	41	
8	f	41	
9	K	83	
9	T	83	
9	g	83	
10	L	155	
10	U	155	
10	h	155	

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Mol	Chain	Length	Quality of chain
11	M	31	77% 19%
11	V	31	71% 26%
11	i	31	52% 45%
12	W	39	38% 28% 33%
12	X	39	49% 18% 33%
12	j	39	31% 36% 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	A	829	-	-	X	-
14	CLA	B	801	-	-	X	-
14	CLA	Z	804	-	-	X	-
16	SF4	A	845	-	-	X	-
16	SF4	N	101	-	-	X	-
16	SF4	N	102	-	-	X	-
16	SF4	Y	843	-	-	X	-

2 Entry composition (i)

There are 21 unique types of molecules in this entry. The entry contains 72737 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

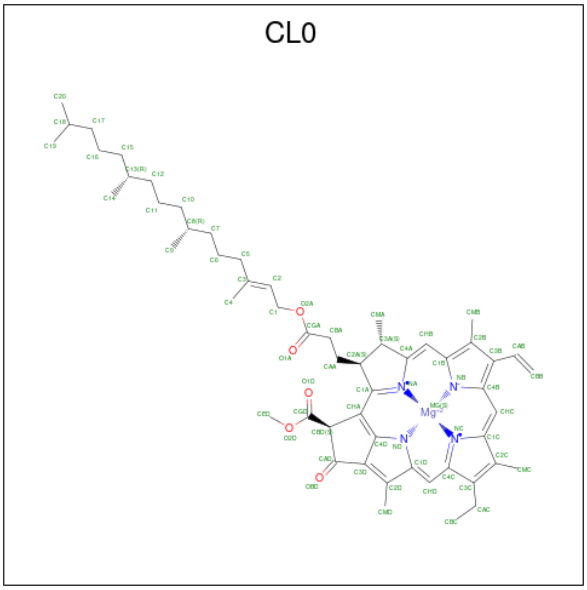
- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

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.

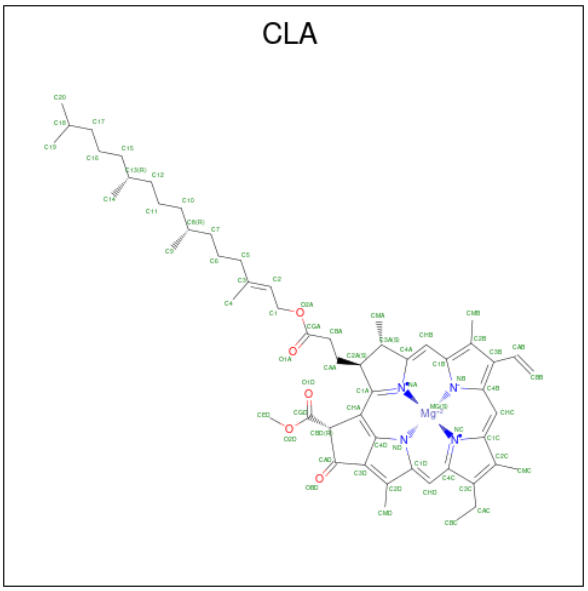
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	W	26	Total 219	C 157	N 31	O 31	0	0	0
12	X	26	Total 219	C 157	N 31	O 31	0	0	0
12	j	26	Total 219	C 157	N 31	O 31	0	0	0

- 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 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 59	C 49	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 51	C 41	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 45	C 35	Mg 1	N 4	O 5	0	0
14	A	1	Total 65	C 55	Mg 1	N 4	O 5	0	0
14	A	1	Total 54	C 44	Mg 1	N 4	O 5	0	0
14	A	1	Total 60	C 50	Mg 1	N 4	O 5	0	0
14	A	1	Total 50	C 40	Mg 1	N 4	O 5	0	0

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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
			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
			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
			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
			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
			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
			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
			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
			65	55	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
			54	44	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		

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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
			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
			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
			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		

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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
			60	50	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
			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
			50	40	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
			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		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
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		
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	U	1	Total	C	Mg	N	O	0	0
			65	55	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		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
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		
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
			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
			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
			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
			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		

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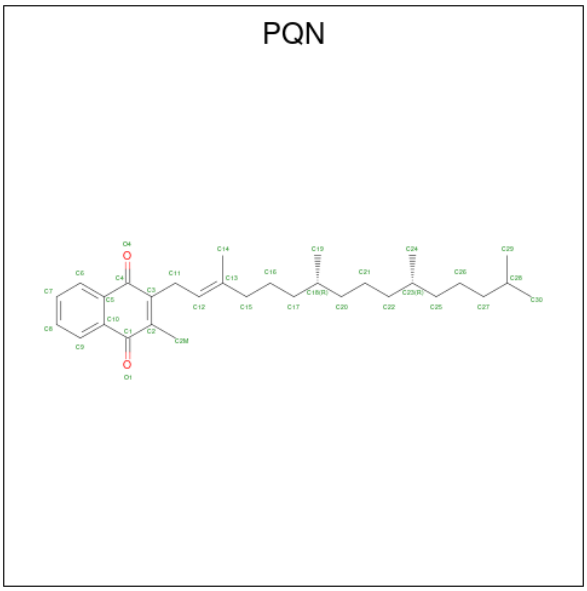
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5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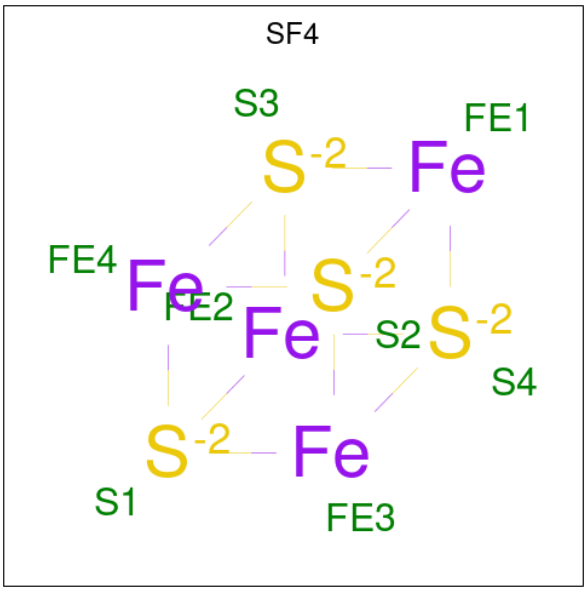
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	Z	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	Z	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	d	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5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



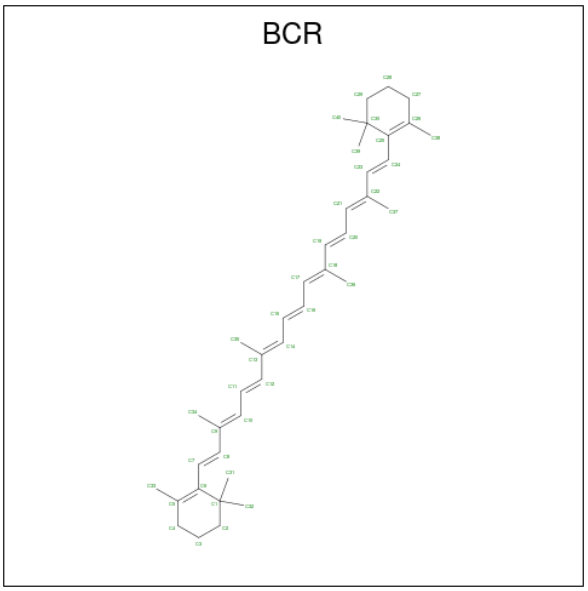
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
15	A	1	Total C O 33 31 2	0	0
15	B	1	Total C O 33 31 2	0	0
15	G	1	Total C O 33 31 2	0	0
15	H	1	Total C O 33 31 2	0	0
15	Y	1	Total C O 33 31 2	0	0
15	Z	1	Total C O 33 31 2	0	0

- 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	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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	F	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	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	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
17	Q	1	Total C 40 40	0	0

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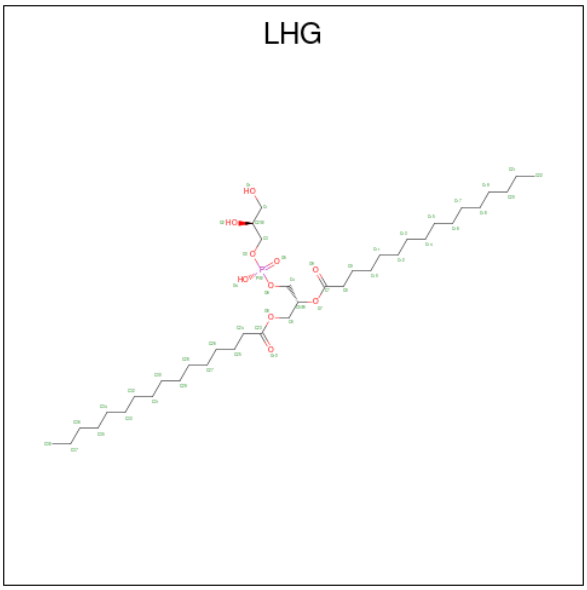
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Q	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	R	1	Total C 40 40	0	0
17	S	1	Total C 40 40	0	0
17	S	1	Total C 40 40	0	0
17	T	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	U	1	Total C 40 40	0	0
17	V	1	Total C 40 40	0	0
17	Y	1	Total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

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
17	Z	1	Total C 25 25	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	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	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: $C_{38}H_{75}O_{10}P$) (labeled as "Ligand of Interest" by depositor).



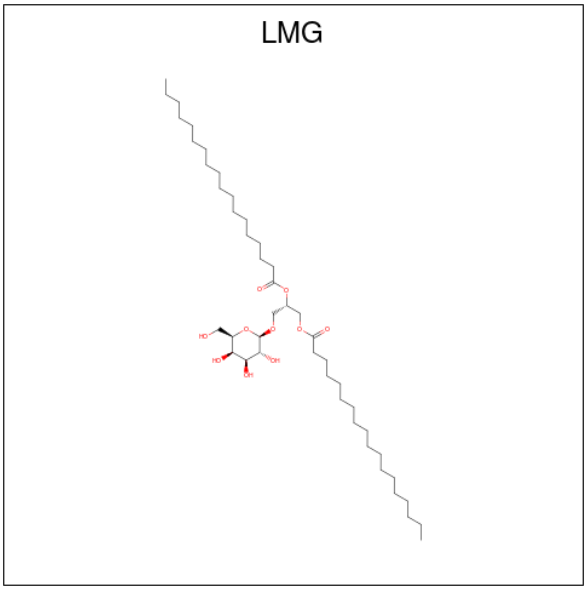
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
18	A	1	Total C O P 49 38 10 1	0	0

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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: $C_{45}H_{86}O_{10}$) (labeled as "Ligand of Interest" by depositor).



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) (labeled as "Ligand of Interest" by depositor).

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	23	Total O 23 23	0	0
21	B	20	Total O 20 20	0	0
21	C	7	Total O 7 7	0	0
21	D	15	Total O 15 15	0	0
21	E	6	Total O 6 6	0	0
21	F	7	Total O 7 7	0	0
21	G	32	Total O 32 32	0	0
21	H	38	Total O 38 38	0	0
21	J	3	Total O 3 3	0	0
21	K	2	Total O 2 2	0	0
21	L	4	Total O 4 4	0	0
21	M	1	Total O 1 1	0	0
21	N	2	Total O 2 2	0	0
21	O	7	Total O 7 7	0	0
21	P	3	Total O 3 3	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
21	Q	7	Total O 7 7	0	0
21	S	2	Total O 2 2	0	0
21	T	1	Total O 1 1	0	0
21	U	9	Total O 9 9	0	0
21	V	2	Total O 2 2	0	0
21	W	3	Total O 3 3	0	0
21	X	2	Total O 2 2	0	0
21	Y	24	Total O 24 24	0	0
21	Z	21	Total O 21 21	0	0
21	a	4	Total O 4 4	0	0
21	b	6	Total O 6 6	0	0
21	c	4	Total O 4 4	0	0
21	d	7	Total O 7 7	0	0
21	f	5	Total O 5 5	0	0
21	g	2	Total O 2 2	0	0
21	h	4	Total O 4 4	0	0
21	i	1	Total O 1 1	0	0
21	j	2	Total O 2 2	0	0

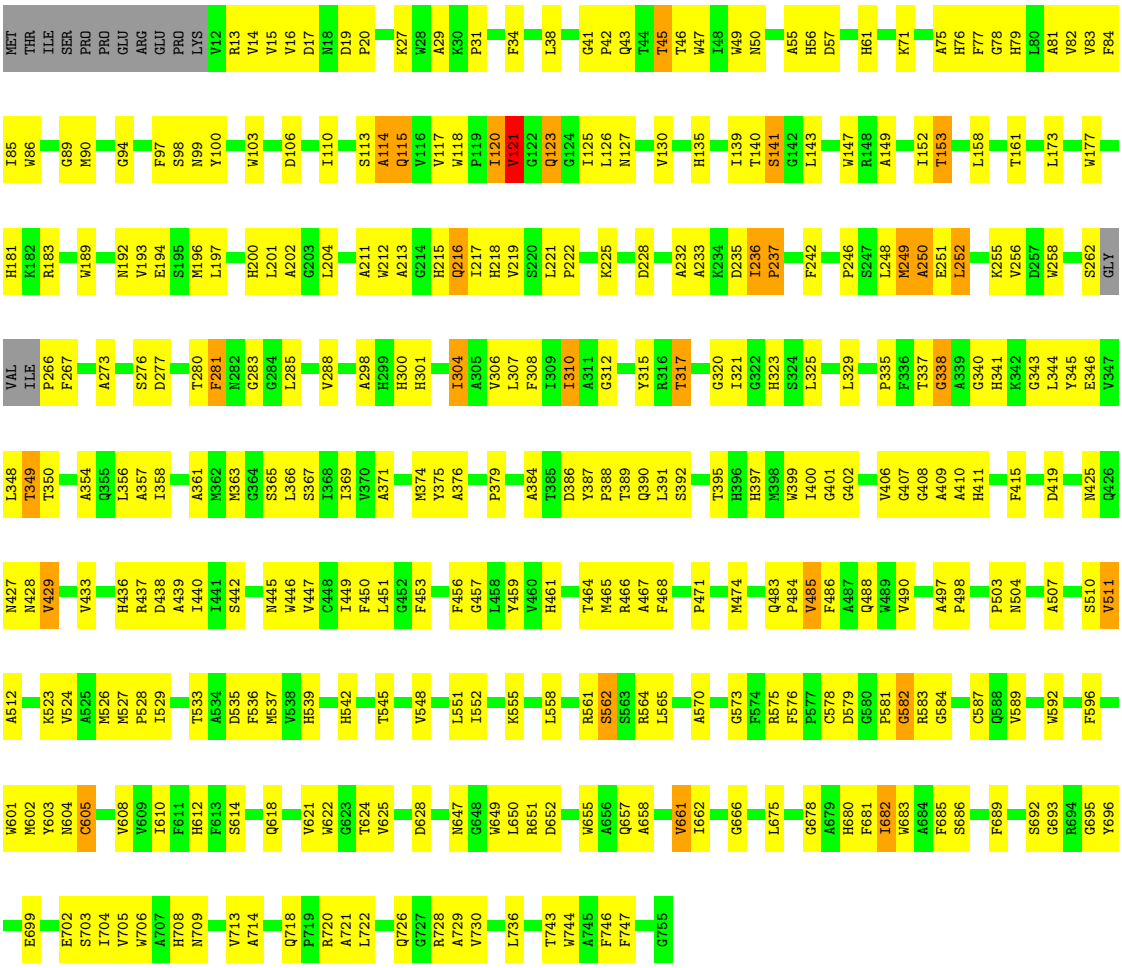
3 Residue-property plots (i)

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:

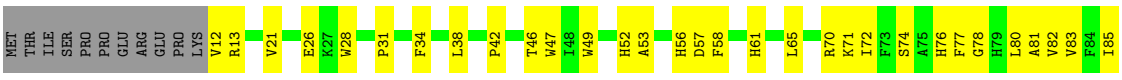


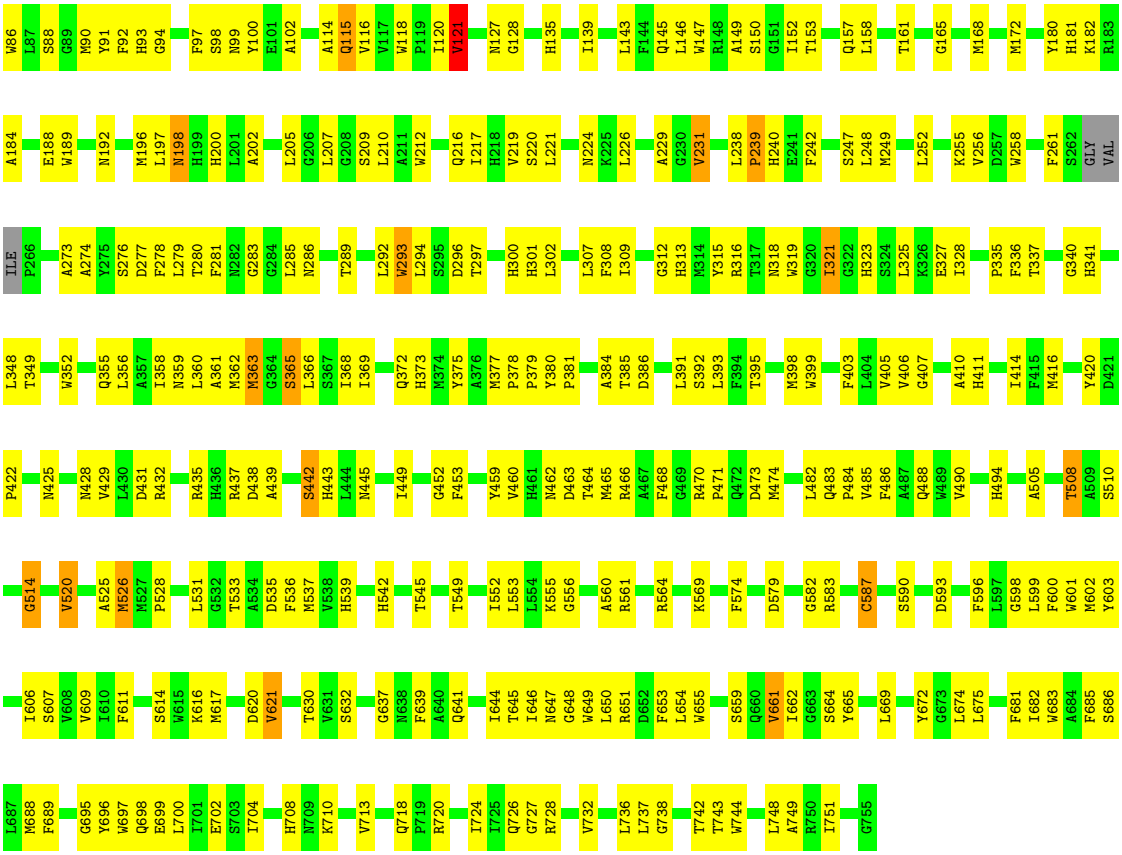


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain G:



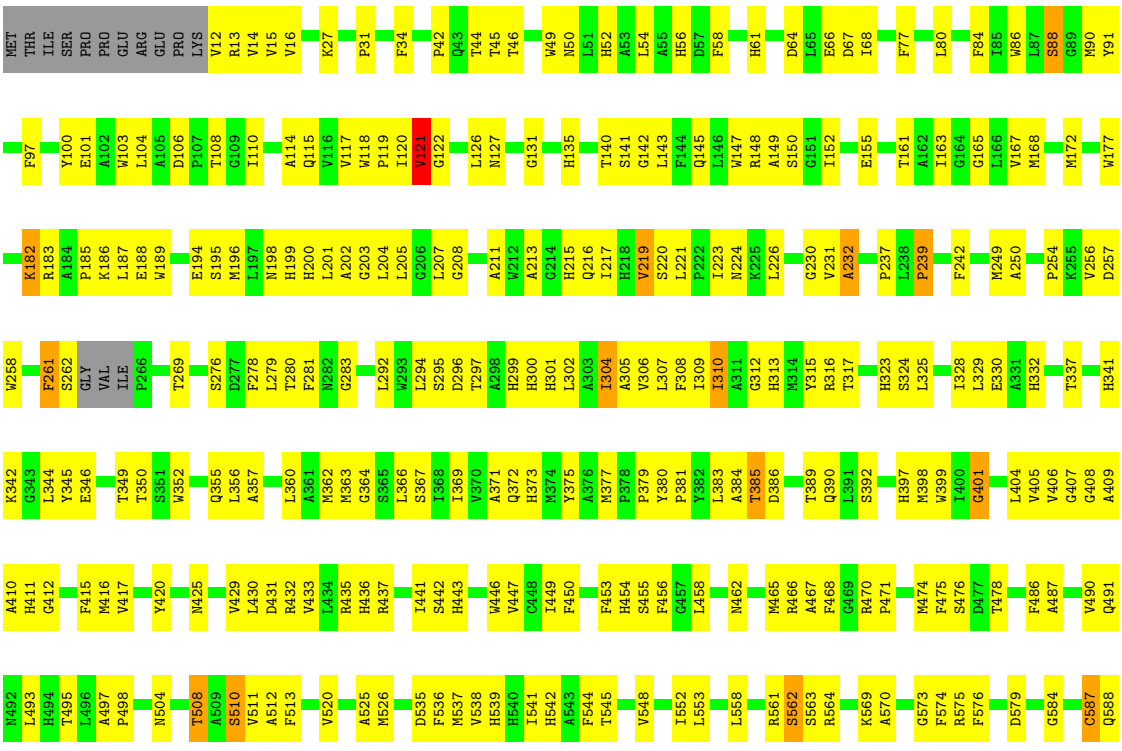


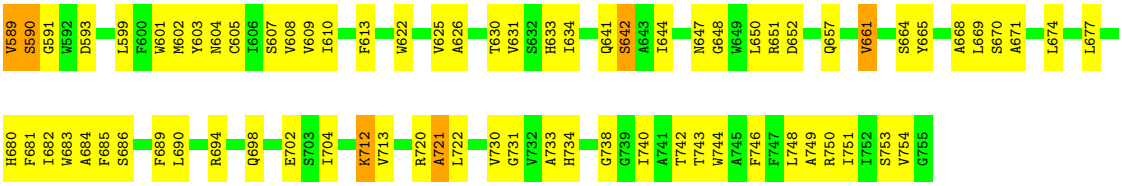


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain Y:



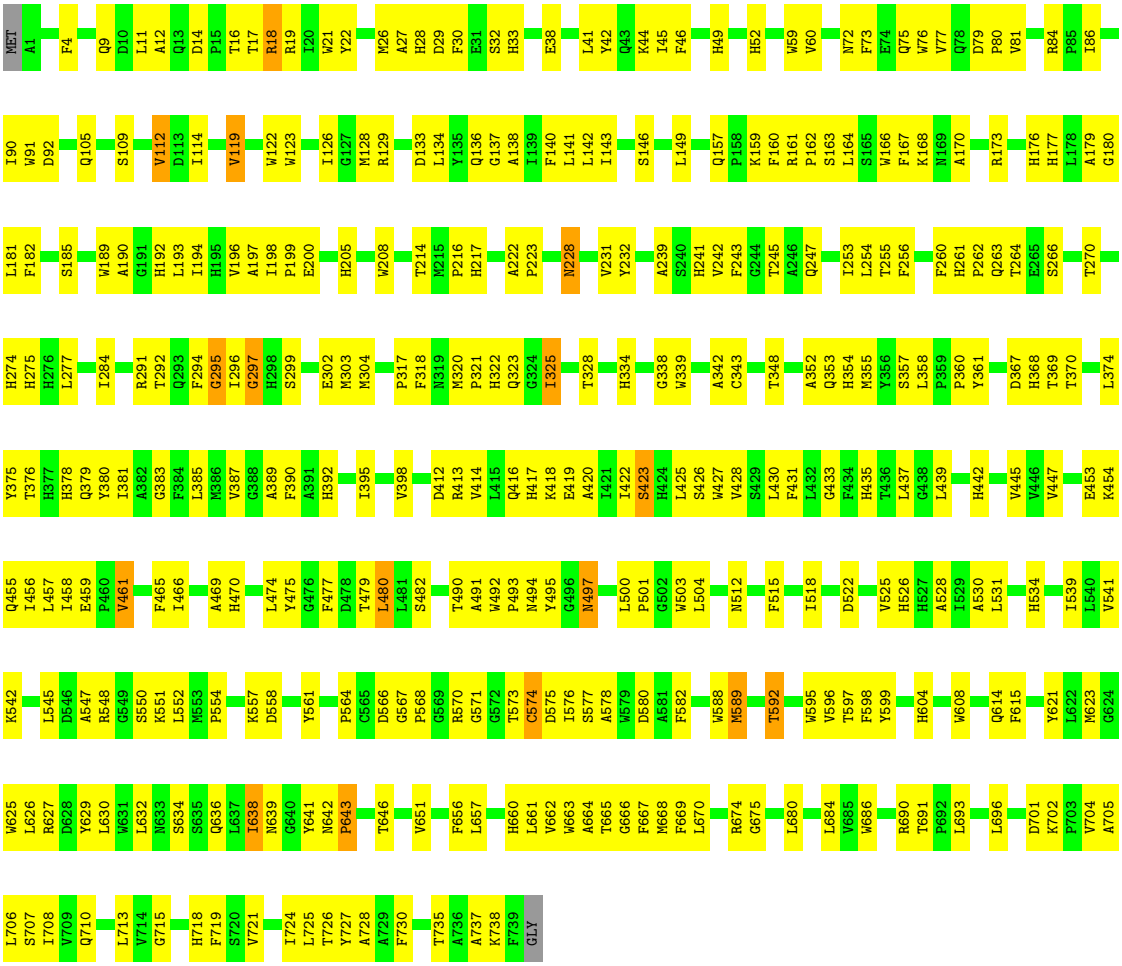




• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:

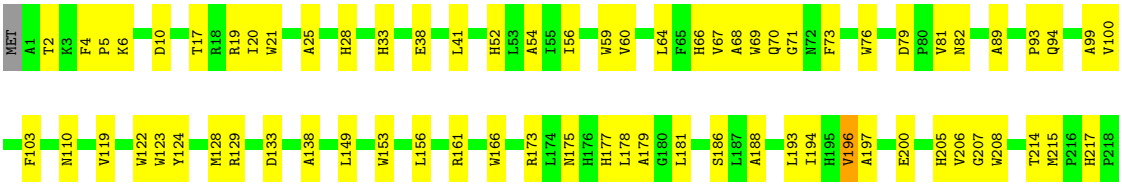


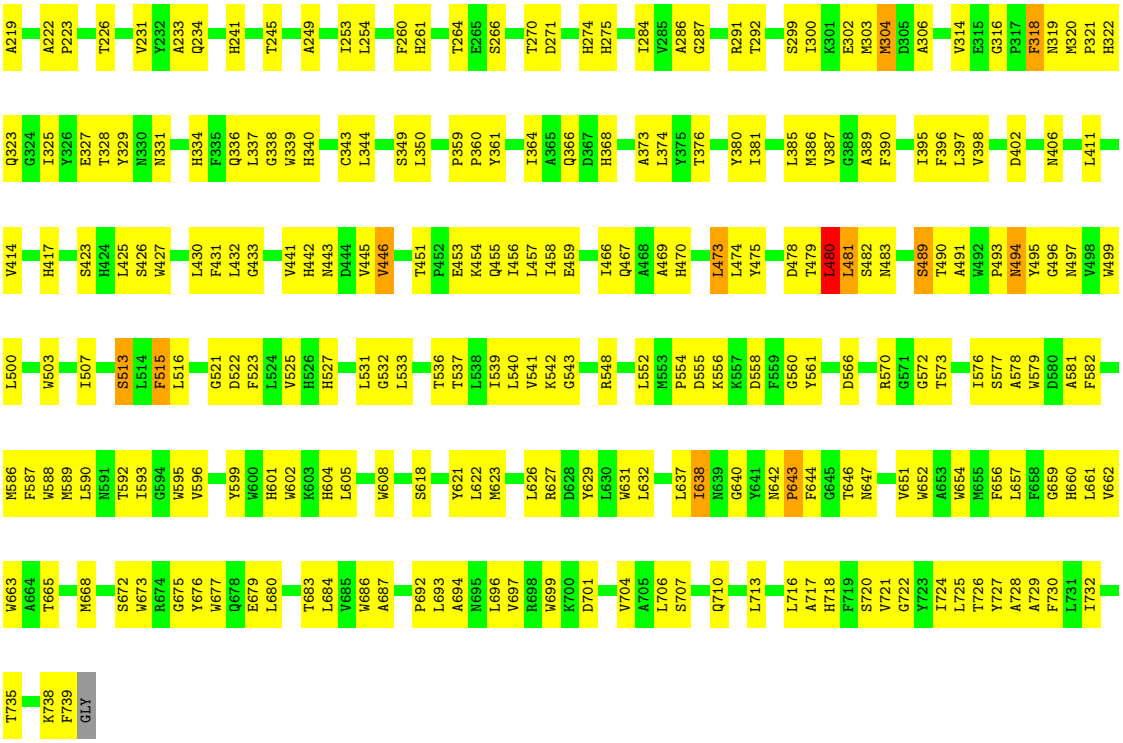


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain H:



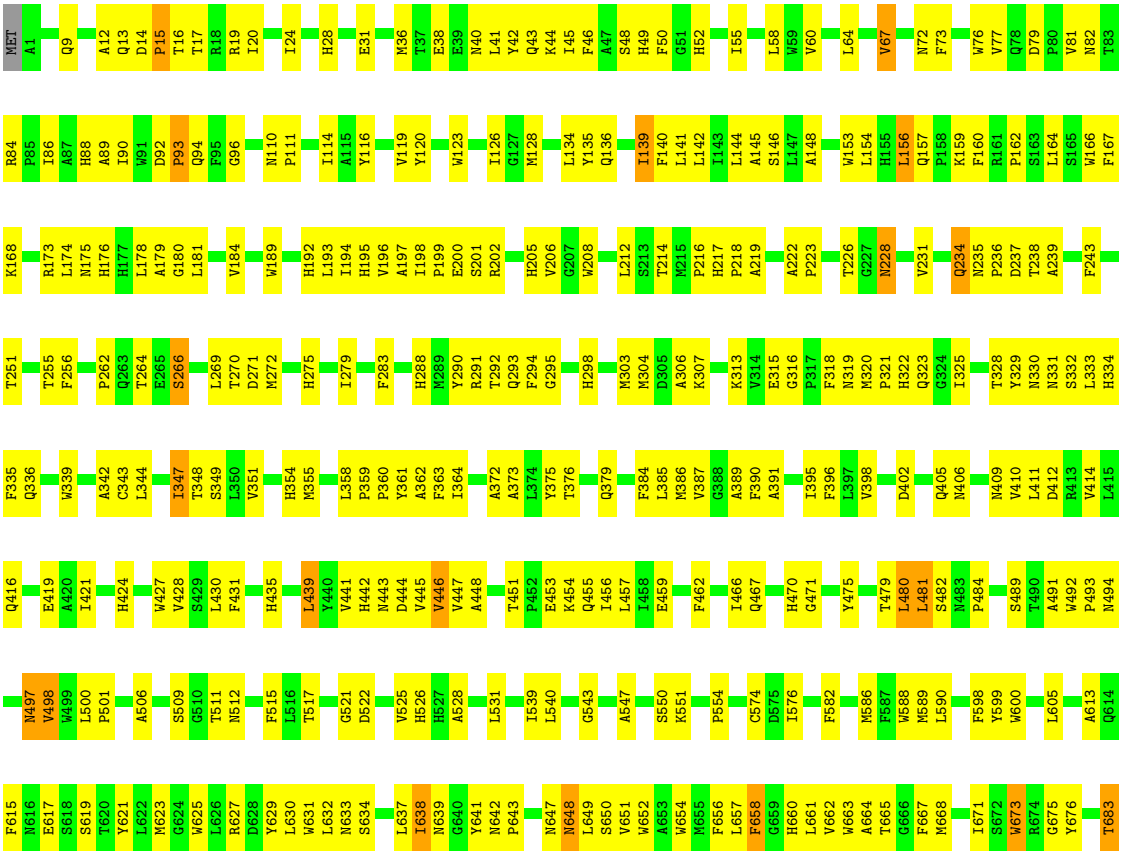


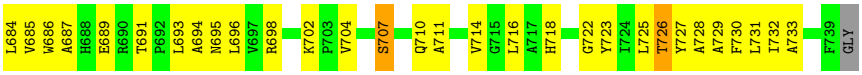


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain Z:

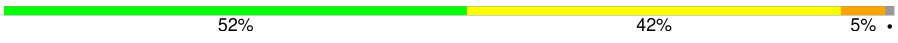






• Molecule 3: Photosystem I iron-sulfur center

Chain C:

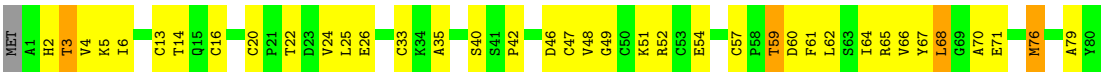




• Molecule 3: Photosystem I iron-sulfur center

Chain N:

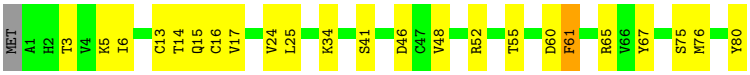




• Molecule 3: Photosystem I iron-sulfur center

Chain a:

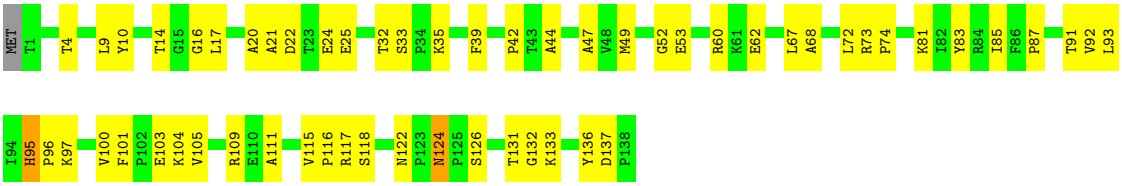




• Molecule 4: Photosystem I reaction center subunit II

Chain D:

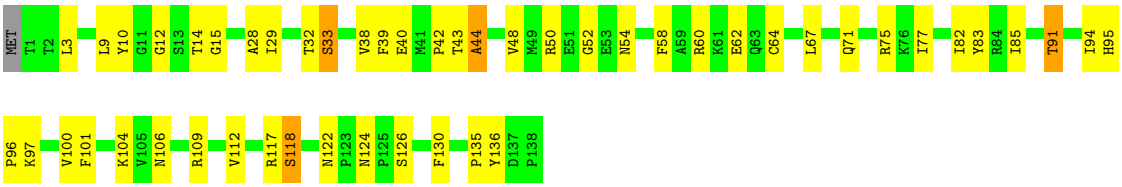




• Molecule 4: Photosystem I reaction center subunit II

Chain O:

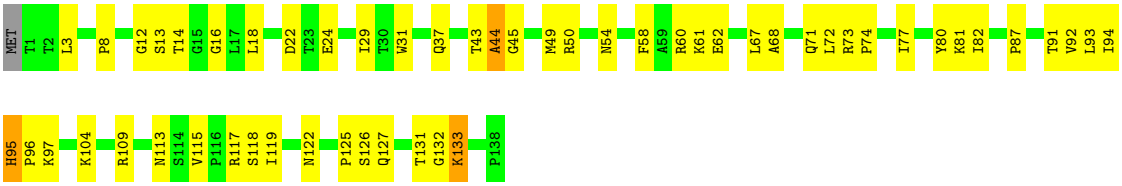




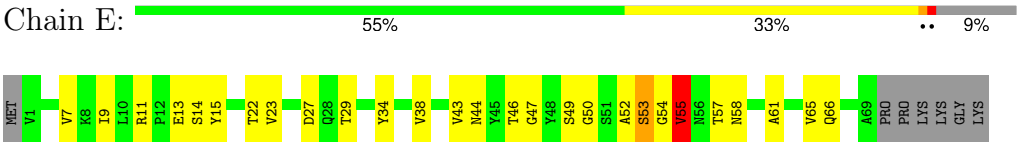
• Molecule 4: Photosystem I reaction center subunit II

Chain b:

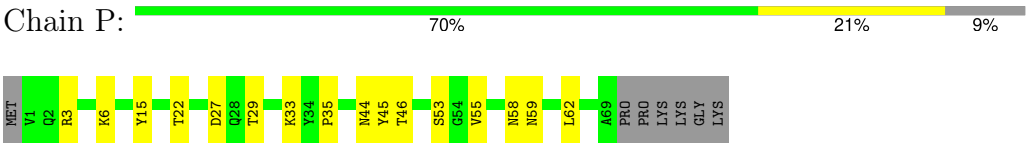




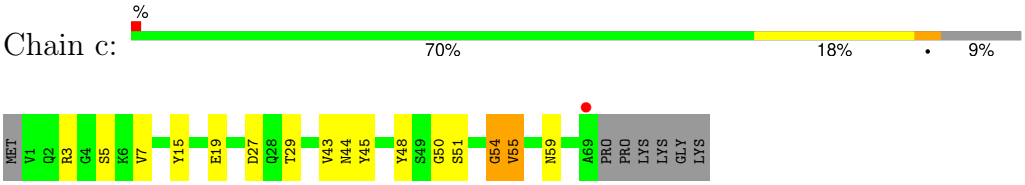
• Molecule 5: Photosystem I reaction center subunit IV



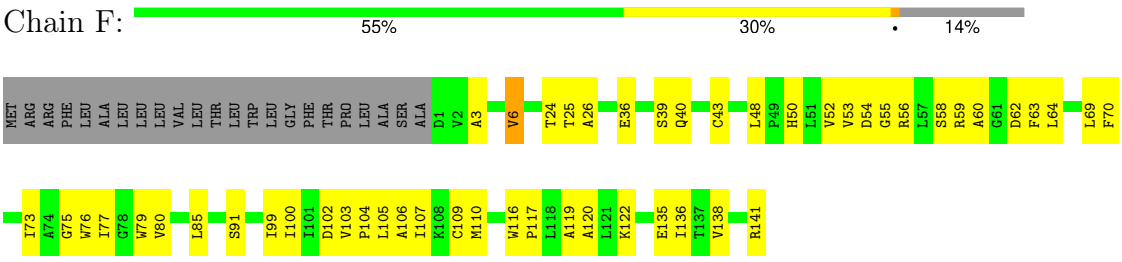
• Molecule 5: Photosystem I reaction center subunit IV



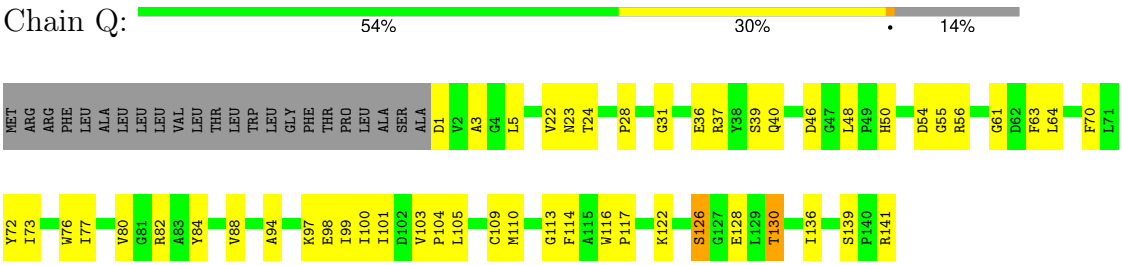
• Molecule 5: Photosystem I reaction center subunit IV



• Molecule 6: Photosystem I reaction center subunit III

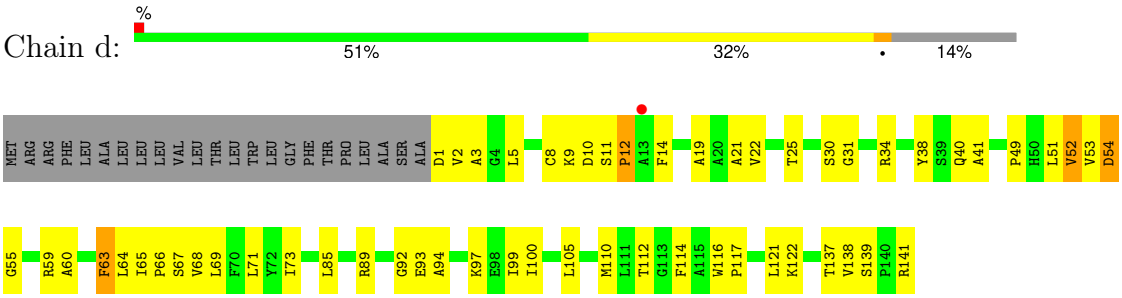


• Molecule 6: Photosystem I reaction center subunit III



• Molecule 6: Photosystem I reaction center subunit III

Chain d:



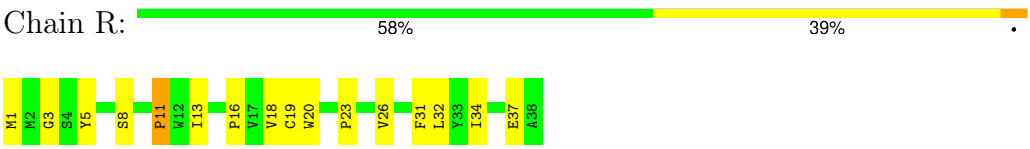
• Molecule 7: Photosystem I reaction center subunit VIII

Chain I:



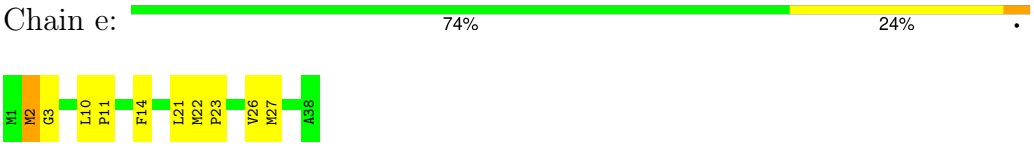
• Molecule 7: Photosystem I reaction center subunit VIII

Chain R:



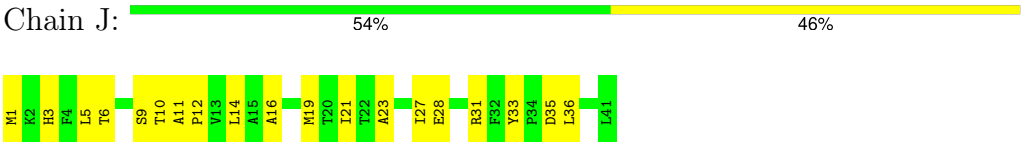
• Molecule 7: Photosystem I reaction center subunit VIII

Chain e:



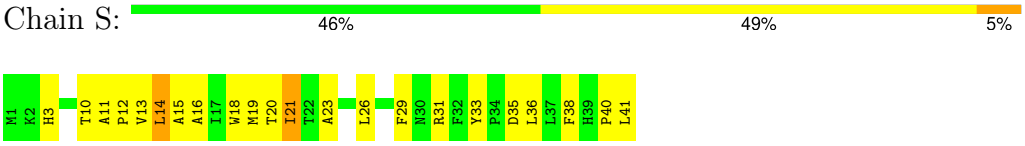
• Molecule 8: Photosystem I reaction center subunit IX

Chain J:



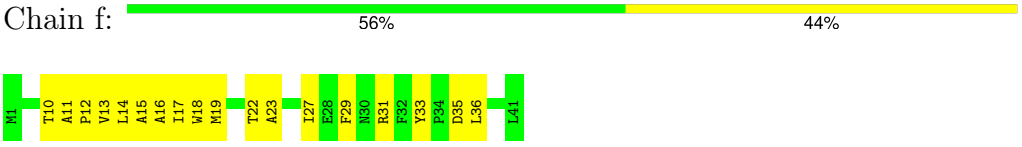
• Molecule 8: Photosystem I reaction center subunit IX

Chain S:



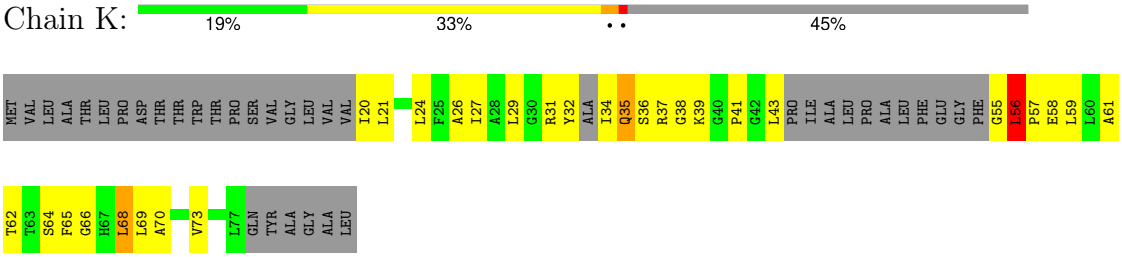
• Molecule 8: Photosystem I reaction center subunit IX

Chain f:



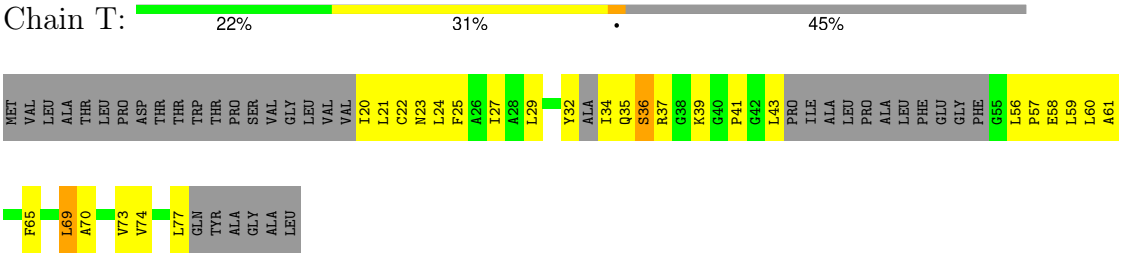
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain K:



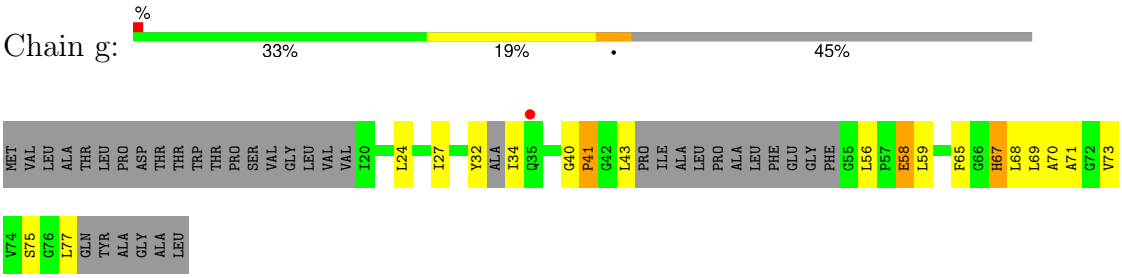
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain T:



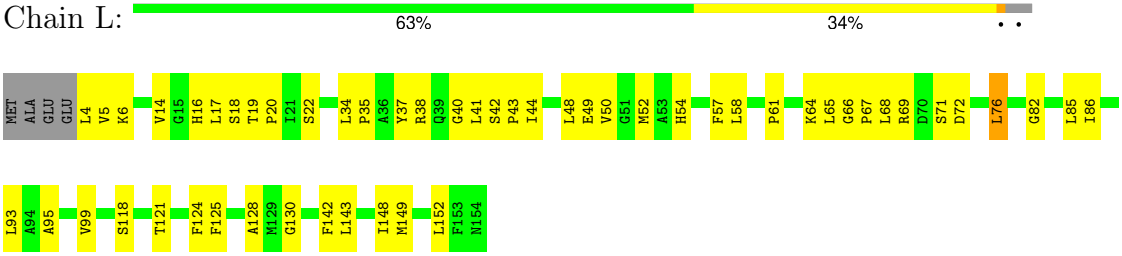
• Molecule 9: Photosystem I reaction center subunit PsaK

Chain g:



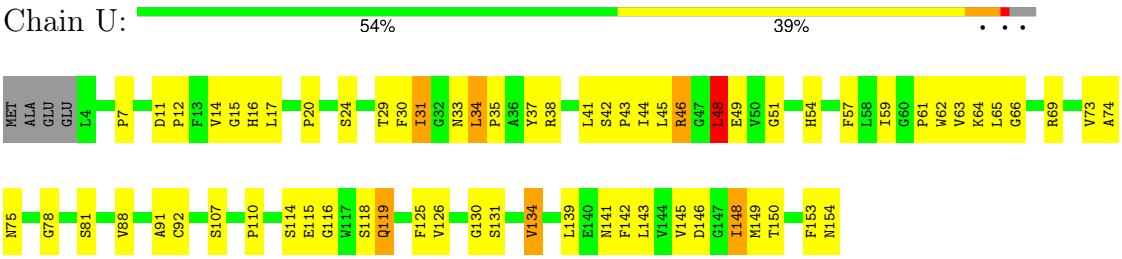
• Molecule 10: Photosystem I reaction center subunit XI

Chain L:



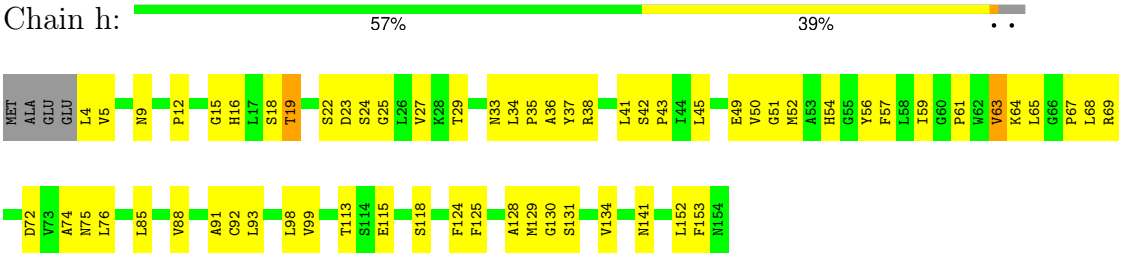
• Molecule 10: Photosystem I reaction center subunit XI

Chain U:



• Molecule 10: Photosystem I reaction center subunit XI

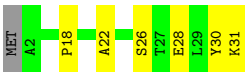
Chain h:



• Molecule 11: Photosystem I reaction center subunit XII

Chain M:

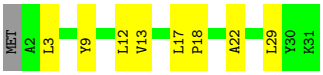




• Molecule 11: Photosystem I reaction center subunit XII

Chain V:

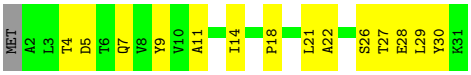




• Molecule 11: Photosystem I reaction center subunit XII

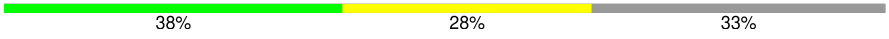
Chain i:

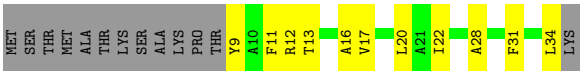




• Molecule 12: Photosystem I 4.8K protein

Chain W:

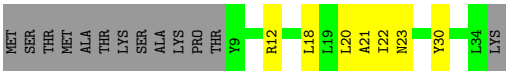




• Molecule 12: Photosystem I 4.8K protein

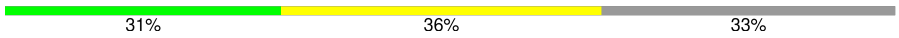
Chain X:

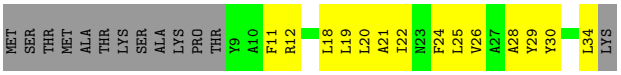




• Molecule 12: Photosystem I 4.8K protein

Chain j:




MET
SER
THR
MET
ALA
THR
LYS
SER
ALA
LYS
PRO
THR
Y9
A10
F11
R12
L18
L19
L20
A21
I22
N23
F24
L25
V26
A27
A28
Y29
Y30
L34
LYS

4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	278.50Å 165.13Å 283.43Å 90.00° 119.42° 90.00°	Depositor
Resolution (Å)	48.87 – 2.90 48.87 – 2.90	Depositor EDS
% Data completeness (in resolution range)	99.6 (48.87-2.90) 93.9 (48.87-2.90)	Depositor EDS
R_{merge}	0.14	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	2.48 (at 2.91Å)	Xtriage
Refinement program	REFMAC 5.8.0238	Depositor
R, R_{free}	0.303 , 0.343 0.307 , 0.345	Depositor DCC
R_{free} test set	24873 reflections (5.04%)	wwPDB-VP
Wilson B-factor (Å^2)	56.7	Xtriage
Anisotropy	0.081	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.31 , 38.8	EDS
L-test for twinning[2]	$< \|L\| > = 0.31$, $< L^2 > = 0.14$	Xtriage
Estimated twinning fraction	0.247 for -h-l,k,h 0.247 for l,k,-h-l 0.177 for h,-k,-h-l 0.176 for -h-l,-k,l 0.176 for l,-k,h	Xtriage
F_o,F_c correlation	0.87	EDS
Total number of atoms	72737	wwPDB-VP
Average B, all atoms (Å^2)	46.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.45% 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: LMG, BCR, LHG, CA, PQN, CLA, CL0, SF4

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	1.02	0/5990	1.46	2/8168 (0.0%)
1	G	1.03	0/5990	1.46	3/8168 (0.0%)
1	Y	1.03	0/5990	1.47	8/8168 (0.1%)
2	B	1.00	0/6107	1.46	5/8345 (0.1%)
2	H	1.01	0/6107	1.47	0/8345
2	Z	1.00	0/6107	1.45	4/8345 (0.0%)
3	C	1.05	0/608	1.39	0/824
3	N	1.09	0/608	1.35	0/824
3	a	1.06	0/608	1.42	0/824
4	D	1.00	0/1101	1.32	0/1492
4	O	1.00	0/1101	1.32	0/1492
4	b	1.01	0/1101	1.36	5/1492 (0.3%)
5	E	1.03	0/551	1.31	0/750
5	P	1.06	0/551	1.29	0/750
5	c	1.06	0/551	1.30	0/750
6	F	1.04	0/1087	1.51	0/1476
6	Q	1.04	0/1087	1.45	0/1476
6	d	1.01	0/1087	1.47	2/1476 (0.1%)
7	I	1.01	0/312	1.36	0/425
7	R	1.03	0/312	1.45	2/425 (0.5%)
7	e	0.96	0/312	1.35	0/425
8	J	0.97	0/350	1.41	0/477
8	S	0.97	0/350	1.52	0/477
8	f	0.99	0/350	1.40	0/477
9	K	1.02	0/331	1.48	0/444
9	T	1.08	0/331	1.55	0/444
9	g	1.07	0/331	1.57	0/444
10	L	1.04	0/1148	1.50	0/1558
10	U	1.05	0/1148	1.53	7/1558 (0.4%)
10	h	1.04	0/1148	1.47	0/1558
11	M	1.03	0/236	1.42	0/322
11	V	1.06	0/236	1.61	0/322

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
11	i	1.06	0/236	1.51	0/322
12	W	1.00	0/227	1.51	2/310 (0.6%)
12	X	0.93	0/227	1.42	0/310
12	j	0.92	0/227	1.30	0/310
All	All	1.02	0/54144	1.45	40/73773 (0.1%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
2	Z	0	1
3	N	0	1
3	a	0	1
5	P	0	1
9	K	0	1
All	All	0	5

There are no bond length outliers.

All (40) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
10	U	51	GLY	CA-C-N	6.33	129.62	120.38
10	U	51	GLY	C-N-CA	6.33	129.62	120.38
2	B	568	PRO	CA-C-N	6.05	125.84	120.10
2	B	568	PRO	C-N-CA	6.05	125.84	120.10
1	A	589	VAL	N-CA-C	-5.89	107.76	113.53
1	Y	386	ASP	CA-C-N	5.81	128.24	120.58
1	Y	386	ASP	C-N-CA	5.81	128.24	120.58
10	U	119	GLN	CA-C-N	5.68	128.17	120.44
10	U	119	GLN	C-N-CA	5.68	128.17	120.44
10	U	46	ARG	CA-C-N	5.65	126.22	120.00
10	U	46	ARG	C-N-CA	5.65	126.22	120.00
4	b	45	GLY	CA-C-O	-5.36	118.73	122.22
7	R	11	PRO	CA-C-N	5.36	127.72	120.38
7	R	11	PRO	C-N-CA	5.36	127.72	120.38
1	Y	591	GLY	CA-C-N	5.36	127.46	120.28
1	Y	591	GLY	C-N-CA	5.36	127.46	120.28
1	G	386	ASP	CA-C-N	5.33	126.41	120.06
1	G	386	ASP	C-N-CA	5.33	126.41	120.06
1	A	317	THR	O-C-N	5.33	124.78	120.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	387	VAL	CA-C-N	5.27	125.93	120.03
2	B	387	VAL	C-N-CA	5.27	125.93	120.03
6	d	12	PRO	CA-C-N	5.26	128.07	120.38
6	d	12	PRO	C-N-CA	5.26	128.07	120.38
2	Z	48	SER	CA-C-N	5.21	127.21	120.44
2	Z	48	SER	C-N-CA	5.21	127.21	120.44
1	Y	208	GLY	CA-C-N	5.14	127.43	120.44
1	Y	208	GLY	C-N-CA	5.14	127.43	120.44
2	Z	658	PHE	CA-C-N	5.11	125.62	120.00
2	Z	658	PHE	C-N-CA	5.11	125.62	120.00
1	Y	401	GLY	CA-C-N	5.11	126.56	120.13
1	Y	401	GLY	C-N-CA	5.11	126.56	120.13
10	U	51	GLY	O-C-N	5.08	127.16	122.13
1	G	514	GLY	CA-C-O	-5.04	118.03	122.16
4	b	125	PRO	CA-C-N	5.03	126.98	120.44
4	b	125	PRO	C-N-CA	5.03	126.98	120.44
4	b	58	PHE	CA-C-N	5.03	127.52	120.28
4	b	58	PHE	C-N-CA	5.03	127.52	120.28
2	B	297	GLY	CA-C-O	-5.02	118.26	122.33
12	W	11	PHE	CA-C-N	5.00	126.94	120.44
12	W	11	PHE	C-N-CA	5.00	126.94	120.44

There are no chirality outliers.

All (5) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
9	K	56	LEU	Peptide
3	N	60	ASP	Peptide
5	P	53	SER	Peptide
2	Z	673	TRP	Peptide
3	a	60	ASP	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	5649	315	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	G	5791	0	5649	331	0
1	Y	5791	0	5648	335	0
2	B	5889	0	5650	359	0
2	H	5889	0	5650	341	0
2	Z	5889	0	5651	363	0
3	C	598	0	581	38	0
3	N	598	0	582	41	0
3	a	598	0	581	19	0
4	D	1075	0	1077	47	0
4	O	1075	0	1077	35	0
4	b	1075	0	1077	37	0
5	E	539	0	528	22	0
5	P	539	0	528	9	0
5	c	539	0	528	9	0
6	F	1065	0	1077	47	0
6	Q	1065	0	1077	46	0
6	d	1065	0	1077	48	0
7	I	301	0	306	18	0
7	R	301	0	306	21	0
7	e	301	0	306	9	0
8	J	338	0	347	20	0
8	S	338	0	347	30	0
8	f	338	0	347	21	0
9	K	328	0	348	35	0
9	T	328	0	348	29	0
9	g	328	0	348	19	0
10	L	1119	0	1125	51	0
10	U	1119	0	1125	58	0
10	h	1119	0	1125	61	0
11	M	233	0	252	8	0
11	V	233	0	252	7	0
11	i	233	0	252	14	0
12	W	219	0	221	8	0
12	X	219	0	221	6	0
12	j	219	0	221	11	0
13	A	65	0	72	9	0
13	G	65	0	72	8	0
13	Y	65	0	72	8	0
14	A	2554	0	2558	237	0
14	B	2324	0	2304	245	0
14	F	45	0	32	2	0
14	G	2534	0	2523	245	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	H	2389	0	2372	232	0
14	J	100	0	81	0	0
14	K	86	0	62	2	0
14	L	325	0	360	21	0
14	Q	45	0	32	4	0
14	S	165	0	154	6	0
14	T	86	0	61	1	0
14	U	325	0	360	39	0
14	W	45	0	33	2	0
14	X	45	0	33	4	0
14	Y	2380	0	2388	195	0
14	Z	2384	0	2365	256	0
14	d	110	0	105	11	0
14	f	100	0	82	3	0
14	g	86	0	62	3	0
14	h	260	0	288	26	0
14	j	45	0	32	0	0
15	A	33	0	46	9	0
15	B	33	0	46	4	0
15	G	33	0	46	4	0
15	H	33	0	46	5	0
15	Y	33	0	46	10	0
15	Z	33	0	46	4	0
16	A	8	0	0	4	0
16	C	16	0	0	1	0
16	G	8	0	0	1	0
16	N	16	0	0	4	0
16	Y	8	0	0	2	0
16	a	16	0	0	2	0
17	A	240	0	291	43	0
17	B	255	0	302	42	0
17	F	80	0	98	9	0
17	G	200	0	240	42	0
17	H	265	0	318	47	0
17	I	80	0	97	12	0
17	J	80	0	97	20	0
17	L	80	0	96	13	0
17	M	40	0	49	6	0
17	Q	80	0	98	20	0
17	R	80	0	96	6	0
17	S	80	0	97	23	0
17	T	40	0	48	6	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
17	U	120	0	144	33	0
17	V	40	0	49	6	0
17	Y	320	0	386	75	0
17	Z	265	0	317	46	0
17	d	40	0	49	9	0
17	e	40	0	48	7	0
17	f	40	0	48	8	0
17	h	80	0	97	19	0
17	i	40	0	48	3	0
18	A	81	0	108	6	0
18	B	39	0	48	1	0
18	G	81	0	108	8	0
18	H	37	0	44	3	0
18	Y	74	0	94	8	0
18	j	28	0	26	4	0
19	B	52	0	77	8	0
19	H	49	0	68	4	0
19	Z	49	0	68	4	0
20	L	1	0	0	0	0
20	U	1	0	0	0	0
20	h	1	0	0	0	0
21	A	23	0	0	2	0
21	B	20	0	0	1	0
21	C	7	0	0	3	0
21	D	15	0	0	2	0
21	E	6	0	0	1	0
21	F	7	0	0	1	0
21	G	32	0	0	10	0
21	H	38	0	0	7	0
21	J	3	0	0	0	0
21	K	2	0	0	0	0
21	L	4	0	0	0	0
21	M	1	0	0	0	0
21	N	2	0	0	1	0
21	O	7	0	0	0	0
21	P	3	0	0	0	0
21	Q	7	0	0	0	0
21	S	2	0	0	0	0
21	T	1	0	0	0	0
21	U	9	0	0	1	0
21	V	2	0	0	0	0
21	W	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
21	X	2	0	0	0	0
21	Y	24	0	0	11	0
21	Z	21	0	0	3	0
21	a	4	0	0	0	0
21	b	6	0	0	0	0
21	c	4	0	0	3	0
21	d	7	0	0	1	0
21	f	5	0	0	0	0
21	g	2	0	0	7	0
21	h	4	0	0	0	0
21	i	1	0	0	0	0
21	j	2	0	0	0	0
All	All	72737	0	72017	3614	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 25.

All (3614) 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:H:814:CLA:O2A	14:H:814:CLA:C1	1.63	1.43
14:h:204:CLA:O2A	14:h:204:CLA:C1	1.63	1.43
1:G:399:TRP:CD1	14:G:828:CLA:HAB	1.78	1.19
2:H:318:PHE:CD1	14:H:822:CLA:HAB	1.77	1.19
1:G:639:PHE:CD2	21:G:906:HOH:O	1.98	1.16
9:g:56:LEU:HB2	21:g:201:HOH:O	1.43	1.16
2:H:523:PHE:CZ	21:H:901:HOH:O	1.96	1.13
1:G:76:HIS:ND1	14:G:813:CLA:OBD	1.83	1.11
1:G:639:PHE:CE2	21:G:906:HOH:O	2.08	1.04
9:K:32:TYR:C	9:K:34:ILE:N	2.16	1.03
1:G:698:GLN:HE22	1:G:720:ARG:HA	1.20	1.02
14:H:808:CLA:HAB	14:H:809:CLA:HAA2	1.42	1.01
10:L:130:GLY:HA3	17:L:208:BCR:H383	1.41	1.00
2:Z:67:VAL:HG11	2:Z:123:TRP:HZ3	1.23	1.00
14:H:825:CLA:H93	17:H:846:BCR:H333	1.42	1.00
10:U:38:ARG:O	10:U:46:ARG:NH2	1.96	0.99
2:B:318:PHE:CD1	14:B:821:CLA:HAB	1.98	0.98
14:Z:808:CLA:HHB	14:Z:809:CLA:HMB3	1.44	0.98
2:B:664:ALA:O	2:B:667:PHE:HB2	1.62	0.98
14:U:1002:CLA:H202	14:U:1002:CLA:CGA	1.95	0.96
14:A:821:CLA:H12	21:A:915:HOH:O	1.67	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:Z:846:BCR:H403	17:Z:846:BCR:H23C	1.48	0.94
2:H:70:GLN:NE2	14:H:807:CLA:O1D	1.99	0.94
14:Y:816:CLA:C1B	21:Y:921:HOH:O	2.14	0.94
2:B:318:PHE:CG	14:B:821:CLA:HAB	2.03	0.94
2:H:215:MET:SD	21:H:925:HOH:O	2.23	0.94
10:h:93:LEU:HD21	17:h:207:BCR:H383	1.49	0.94
17:G:849:BCR:H403	17:G:849:BCR:H23C	1.51	0.93
1:A:536:PHE:HA	14:A:837:CLA:HED1	1.48	0.93
14:Y:821:CLA:HMB2	14:Y:825:CLA:HED2	1.51	0.93
14:Y:814:CLA:CHA	21:Y:921:HOH:O	2.15	0.93
2:H:28:HIS:ND1	14:H:806:CLA:O1A	2.01	0.93
14:G:802:CLA:H142	17:G:849:BCR:H402	1.49	0.93
1:G:158:LEU:O	1:G:161:THR:OG1	1.87	0.93
1:A:587:CYS:HG	16:A:845:SF4:FE2	0.68	0.92
17:M:101:BCR:H321	17:M:101:BCR:HC8	1.48	0.92
1:G:399:TRP:HD1	14:G:828:CLA:HAB	1.21	0.92
6:Q:40:GLN:NE2	8:S:40:PRO:O	2.02	0.92
14:H:809:CLA:HMA1	14:H:810:CLA:HAB	1.51	0.91
2:Z:198:ILE:HG13	2:Z:199:PRO:HD3	1.52	0.91
1:Y:313:HIS:CE1	17:Y:844:BCR:H363	2.05	0.91
17:U:1005:BCR:HC8	17:U:1005:BCR:H331	1.52	0.91
1:Y:432:ARG:NE	14:Y:831:CLA:OBD	2.03	0.91
1:A:399:TRP:CD1	14:A:829:CLA:HAB	2.05	0.91
2:H:339:TRP:HE1	14:H:824:CLA:C2B	1.83	0.90
2:H:360:PRO:HG3	14:H:818:CLA:HBA1	1.52	0.90
2:Z:354:HIS:ND1	14:Z:818:CLA:OBD	2.04	0.90
14:G:821:CLA:HAA2	21:G:901:HOH:O	1.70	0.90
2:H:292:THR:HG21	14:H:820:CLA:OBD	1.72	0.90
14:B:806:CLA:H191	14:B:826:CLA:H201	1.54	0.90
10:h:134:VAL:HG13	17:h:202:BCR:H403	1.54	0.90
17:B:844:BCR:H23C	17:B:844:BCR:H383	1.54	0.89
9:g:59:LEU:HB2	21:g:201:HOH:O	1.72	0.89
1:Y:536:PHE:HA	14:Y:836:CLA:HED1	1.54	0.89
3:C:57:CYS:HA	21:C:205:HOH:O	1.72	0.89
2:Z:539:ILE:HG12	14:Z:801:CLA:HMD3	1.55	0.89
14:Y:816:CLA:C2B	21:Y:921:HOH:O	2.21	0.88
6:d:11:SER:OG	6:d:14:PHE:HB3	1.72	0.88
1:Y:126:LEU:O	1:Y:127:ASN:ND2	2.05	0.88
1:A:602:MET:HG2	14:A:827:CLA:HBC1	1.55	0.88
2:B:414:VAL:HG11	17:B:845:BCR:H401	1.55	0.88
1:Y:575:ARG:NH1	18:Y:850:LHG:O10	2.06	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:29:ASP:OD2	2:B:32:SER:OG	1.90	0.88
1:G:373:HIS:ND1	14:G:818:CLA:OBD	2.07	0.88
17:h:207:BCR:HC8	17:h:207:BCR:H331	1.54	0.88
1:Y:535:ASP:O	1:Y:539:HIS:ND1	2.07	0.88
1:Y:466:ARG:NH2	1:Y:641:GLN:O	2.05	0.87
14:H:809:CLA:CMA	14:H:810:CLA:HAB	2.04	0.87
2:B:318:PHE:HA	14:B:821:CLA:CAB	2.05	0.87
14:G:804:CLA:HAB	14:G:806:CLA:CAD	2.05	0.86
17:Y:853:BCR:H312	8:f:31:ARG:HD3	1.58	0.86
1:Y:363:MET:HG3	14:Y:805:CLA:HED1	1.56	0.86
1:G:336:PHE:O	1:G:432:ARG:NH2	2.07	0.85
14:A:807:CLA:HMA3	14:A:831:CLA:HAB	1.56	0.85
3:C:60:ASP:OD2	5:E:14:SER:OG	1.93	0.85
1:Y:317:THR:HG21	14:Y:820:CLA:OBD	1.76	0.85
4:b:95:HIS:HB3	4:b:96:PRO:HD3	1.57	0.85
1:A:149:ALA:HB1	14:A:820:CLA:HED1	1.56	0.85
17:S:1105:BCR:H403	17:S:1105:BCR:H23C	1.59	0.85
17:Y:853:BCR:H321	17:Y:853:BCR:HC8	1.58	0.85
17:Z:850:BCR:HC8	17:Z:850:BCR:H331	1.58	0.85
1:Y:416:MET:O	1:Y:561:ARG:HD3	1.76	0.85
14:A:808:CLA:HMB3	14:A:809:CLA:HHB	1.57	0.84
4:D:117:ARG:NH2	4:D:122:ASN:OD1	2.10	0.84
17:U:1008:BCR:HC8	17:U:1008:BCR:H331	1.58	0.84
2:Z:588:TRP:CH2	14:Z:802:CLA:HAB	2.12	0.84
10:h:130:GLY:HA3	17:h:202:BCR:H383	1.60	0.84
14:Y:814:CLA:CBD	21:Y:921:HOH:O	2.26	0.84
2:B:548:ARG:NH2	4:D:124:ASN:OD1	2.09	0.84
5:c:27:ASP:OD2	5:c:29:THR:OG1	1.96	0.84
2:H:339:TRP:CH2	17:H:845:BCR:H372	2.13	0.84
14:Z:810:CLA:HMA1	14:Z:811:CLA:HAB	1.60	0.83
1:Y:257:ASP:OD2	1:Y:262:SER:OG	1.96	0.83
17:G:848:BCR:H23C	17:G:848:BCR:H382	1.59	0.83
17:A:851:BCR:H23C	17:A:851:BCR:H403	1.58	0.83
14:B:806:CLA:HHB	14:B:807:CLA:HMB3	1.59	0.83
14:H:827:CLA:CGA	14:H:827:CLA:H3A	2.07	0.83
17:S:1104:BCR:HC8	17:S:1104:BCR:H331	1.59	0.83
2:Z:360:PRO:HG3	14:Z:819:CLA:HBA1	1.58	0.83
2:Z:67:VAL:HG11	2:Z:123:TRP:CZ3	2.12	0.83
14:G:841:CLA:HMD3	17:H:847:BCR:H383	1.60	0.82
2:H:523:PHE:CE1	21:H:901:HOH:O	2.24	0.82
1:Y:683:TRP:CD2	13:Y:801:CL0:H5	2.15	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:480:LEU:O	2:Z:482:SER:N	2.12	0.82
2:H:432:LEU:HD21	14:H:837:CLA:HAB	1.61	0.82
14:A:805:CLA:H91	17:J:104:BCR:H381	1.59	0.82
14:G:808:CLA:HAB	17:S:1104:BCR:H363	1.62	0.82
17:J:104:BCR:H321	17:J:104:BCR:HC8	1.61	0.82
1:G:616:LYS:HD3	21:G:906:HOH:O	1.78	0.82
14:A:833:CLA:HAB	14:L:202:CLA:HHB	1.62	0.81
1:G:31:PRO:HB3	14:S:1101:CLA:HAC1	1.60	0.81
2:H:318:PHE:CE1	14:H:822:CLA:HAB	2.14	0.81
2:B:674:ARG:HH22	3:C:76:MET:HE1	1.46	0.81
2:Z:14:ASP:OD1	2:Z:16:THR:HG22	1.81	0.81
14:B:801:CLA:HHC	14:B:801:CLA:HBB1	1.62	0.80
5:E:27:ASP:OD2	5:E:29:THR:OG1	1.99	0.80
1:Y:346:GLU:O	1:Y:350:THR:OG1	1.98	0.80
1:A:308:PHE:HE1	14:A:822:CLA:HAB	1.43	0.80
1:A:587:CYS:SG	16:A:845:SF4:FE2	1.73	0.80
2:H:663:TRP:CE3	14:H:803:CLA:HMA3	2.17	0.80
14:Y:816:CLA:CHB	21:Y:921:HOH:O	2.26	0.80
14:B:826:CLA:H3A	14:B:826:CLA:CGA	2.11	0.80
1:Y:150:SER:O	1:Y:215:HIS:NE2	2.12	0.80
2:H:651:VAL:HG22	14:H:809:CLA:HHD	1.64	0.80
17:G:849:BCR:H362	14:H:802:CLA:H43	1.63	0.80
7:I:20:TRP:O	7:I:24:THR:HG22	1.82	0.80
9:T:65:PHE:HB2	17:T:102:BCR:H24C	1.65	0.79
1:G:616:LYS:CD	21:G:906:HOH:O	2.28	0.79
1:Y:313:HIS:HE1	17:Y:844:BCR:H363	1.44	0.79
1:Y:575:ARG:HB3	21:Y:909:HOH:O	1.83	0.79
2:Z:637:LEU:HD12	2:Z:733:ALA:HB3	1.64	0.79
2:H:663:TRP:CD2	14:H:803:CLA:HMA3	2.18	0.79
10:U:45:LEU:HD11	14:U:1002:CLA:HED1	1.63	0.79
1:G:56:HIS:CD2	14:G:805:CLA:HBB2	2.18	0.78
14:Y:826:CLA:CHB	17:Y:848:BCR:H352	2.13	0.78
17:Y:849:BCR:H403	17:Y:849:BCR:H23C	1.66	0.78
1:A:158:LEU:O	1:A:161:THR:OG1	2.02	0.78
4:D:95:HIS:HB3	4:D:96:PRO:HD3	1.64	0.78
14:B:839:CLA:HBB2	15:B:841:PQN:H141	1.65	0.78
1:Y:302:LEU:HD11	14:Y:817:CLA:HAB	1.65	0.78
2:Z:588:TRP:HH2	14:Z:802:CLA:HAB	1.47	0.78
14:B:808:CLA:HMA1	14:B:809:CLA:HAB	1.65	0.78
2:H:6:LYS:HE3	21:H:936:HOH:O	1.84	0.78
4:O:39:PHE:HB2	4:O:71:GLN:HE21	1.48	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:842:CLA:HBC1	15:B:841:PQN:H193	1.66	0.78
1:A:386:ASP:OD2	1:A:389:THR:OG1	1.98	0.78
4:D:95:HIS:O	4:D:97:LYS:N	2.16	0.78
17:Y:853:BCR:H403	17:Y:853:BCR:H23C	1.66	0.78
2:B:551:LYS:NZ	6:F:138:VAL:O	2.16	0.78
1:G:689:PHE:HA	15:G:843:PQN:H9	1.66	0.77
1:A:193:VAL:HG11	14:A:826:CLA:HAC2	1.66	0.77
14:G:852:CLA:HAB	2:H:665:THR:HA	1.67	0.77
17:S:1105:BCR:H321	17:S:1105:BCR:HC8	1.66	0.77
17:Y:844:BCR:H23C	17:Y:844:BCR:H383	1.66	0.77
1:G:683:TRP:CE3	13:G:801:CL0:H6	2.19	0.77
2:H:361:TYR:OH	14:H:828:CLA:OBD	2.01	0.77
2:H:503:TRP:CE2	14:H:833:CLA:HED1	2.18	0.77
1:Y:198:ASN:HD21	1:Y:315:TYR:H	1.31	0.77
1:A:564:ARG:NH2	4:D:14:THR:O	2.17	0.77
1:G:438:ASP:O	1:G:442:SER:OG	2.03	0.77
14:Z:826:CLA:H101	17:Z:847:BCR:H333	1.66	0.77
17:I:102:BCR:H392	17:I:102:BCR:H23C	1.67	0.77
1:Y:564:ARG:NH2	4:b:14:THR:O	2.16	0.77
9:g:32:TYR:C	9:g:34:ILE:N	2.43	0.77
2:H:427:TRP:HB2	14:H:801:CLA:HED2	1.67	0.77
2:B:334:HIS:CE1	14:B:828:CLA:HED1	2.20	0.76
2:B:554:PRO:HD2	3:C:61:PHE:CE1	2.19	0.76
14:H:809:CLA:H203	7:R:26:VAL:HG23	1.68	0.76
1:Y:650:LEU:HD23	2:Z:638:ILE:HD11	1.65	0.76
2:B:662:VAL:O	2:B:665:THR:OG1	2.03	0.76
14:Y:808:CLA:H91	14:Y:811:CLA:H191	1.68	0.76
2:Z:402:ASP:OD1	4:b:127:GLN:NE2	2.18	0.76
1:Y:738:GLY:O	1:Y:742:THR:OG1	2.02	0.76
14:G:825:CLA:CAB	21:G:901:HOH:O	2.33	0.76
14:Z:810:CLA:CMA	14:Z:811:CLA:HAB	2.14	0.76
10:h:35:PRO:HG3	14:h:205:CLA:HED2	1.67	0.76
7:I:33:TYR:HH	11:M:30:TYR:HH	1.33	0.76
1:Y:564:ARG:O	4:b:60:ARG:NH1	2.19	0.76
2:B:419:GLU:O	2:B:423:SER:OG	2.03	0.75
9:T:43:LEU:HD23	9:T:57:PRO:HD2	1.68	0.75
1:Y:552:ILE:HG12	14:Z:804:CLA:HMD3	1.68	0.75
2:Z:588:TRP:HH2	14:Z:802:CLA:CAB	1.99	0.75
2:Z:600:TRP:HA	14:Z:837:CLA:HBC3	1.68	0.75
1:A:56:HIS:ND1	14:A:807:CLA:O1A	2.18	0.75
14:A:802:CLA:O1A	2:B:531:LEU:HD11	1.87	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:806:CLA:HED1	14:G:830:CLA:H52	1.68	0.75
8:S:16:ALA:O	8:S:20:THR:OG1	2.02	0.75
1:Y:126:LEU:C	1:Y:127:ASN:HD22	1.94	0.75
1:G:681:PHE:CG	17:G:849:BCR:H363	2.20	0.75
2:Z:81:VAL:HG23	2:Z:82:ASN:HD22	1.52	0.75
1:A:425:ASN:OD1	1:A:428:ASN:ND2	2.18	0.75
2:Z:588:TRP:CH2	14:Z:802:CLA:CAB	2.69	0.75
2:Z:668:MET:HG3	14:Z:804:CLA:NC	2.02	0.75
1:Y:748:LEU:HA	1:Y:751:ILE:HG22	1.69	0.74
2:Z:637:LEU:CD1	2:Z:733:ALA:HB3	2.17	0.74
1:G:698:GLN:NE2	1:G:720:ARG:HA	2.00	0.74
17:V:101:BCR:HC8	17:V:101:BCR:H321	1.69	0.74
2:H:215:MET:CE	21:H:925:HOH:O	2.35	0.74
2:B:383:GLY:HA3	2:B:589:MET:HE3	1.70	0.74
3:a:13:CYS:O	3:a:14:THR:HG22	1.86	0.74
2:B:707:SER:H	2:B:710:GLN:HE21	1.36	0.74
1:G:593:ASP:HA	1:G:596:PHE:HB3	1.70	0.74
14:Z:828:CLA:H3A	14:Z:828:CLA:CGA	2.15	0.74
1:Y:681:PHE:CD2	17:Y:849:BCR:H363	2.23	0.74
2:B:664:ALA:HB3	14:B:802:CLA:HBB2	1.69	0.74
14:H:814:CLA:C1	14:H:814:CLA:CGA	2.65	0.74
17:J:104:BCR:H403	17:J:104:BCR:H23C	1.69	0.74
14:Z:806:CLA:H142	14:Z:825:CLA:CAD	2.17	0.74
14:B:832:CLA:H41	17:B:850:BCR:H373	1.70	0.73
17:G:846:BCR:H321	17:G:846:BCR:HC8	1.70	0.73
4:D:10:TYR:OH	4:D:44:ALA:O	2.05	0.73
2:H:215:MET:HE2	21:H:925:HOH:O	1.86	0.73
1:A:685:PHE:HA	14:A:802:CLA:HAB	1.69	0.73
2:B:193:LEU:HA	2:B:197:ALA:HB3	1.71	0.73
9:T:24:LEU:HD21	9:T:73:VAL:HG21	1.69	0.73
1:Y:360:LEU:HD13	1:Y:407:GLY:HA3	1.69	0.73
1:Y:683:TRP:O	1:Y:686:SER:OG	2.06	0.73
14:A:840:CLA:HHC	14:A:840:CLA:HBB1	1.68	0.73
8:J:31:ARG:HD3	17:J:104:BCR:H312	1.71	0.73
9:K:55:GLY:HA3	9:K:59:LEU:HD11	1.71	0.73
21:c:104:HOH:O	6:d:138:VAL:HG21	1.88	0.73
9:T:32:TYR:C	9:T:34:ILE:N	2.46	0.73
14:A:802:CLA:HMD3	2:B:539:ILE:HG12	1.69	0.73
14:A:842:CLA:H61	14:B:839:CLA:H43	1.71	0.73
14:H:839:CLA:HBB2	15:H:841:PQN:H141	1.69	0.73
14:A:821:CLA:HMA2	9:K:61:ALA:HB2	1.71	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:181:LEU:HG	14:Z:814:CLA:H42	1.69	0.73
2:B:291:ARG:NH1	2:B:295:GLY:O	2.22	0.72
14:A:820:CLA:H202	14:A:834:CLA:H51	1.70	0.72
17:G:847:BCR:H403	17:G:847:BCR:H23C	1.70	0.72
14:H:806:CLA:HBB2	14:H:828:CLA:HMC1	1.70	0.72
2:Z:722:GLY:O	2:Z:726:THR:OG1	2.08	0.72
2:B:525:VAL:HG13	14:B:801:CLA:H141	1.69	0.72
1:G:352:TRP:HB3	14:G:805:CLA:HAC1	1.71	0.72
1:G:465:MET:HE2	1:G:470:ARG:CZ	2.19	0.72
14:A:807:CLA:HBA2	14:A:807:CLA:HBD	1.70	0.72
3:N:5:LYS:HG3	4:O:136:TYR:HB2	1.70	0.72
1:A:682:ILE:CD1	14:A:841:CLA:HMB2	2.19	0.72
2:B:18:ARG:NH1	3:C:71:GLU:HB2	2.04	0.72
1:Y:390:GLN:HA	1:Y:390:GLN:HE21	1.53	0.72
1:A:545:THR:OG1	1:A:605:CYS:HB2	1.89	0.72
1:G:356:LEU:HD23	1:G:411:HIS:CG	2.25	0.72
1:G:620:ASP:OD1	1:G:637:GLY:HA2	1.90	0.71
2:H:376:THR:HB	14:H:827:CLA:HMB2	1.71	0.71
2:H:555:ASP:OD2	3:N:65:ARG:NH1	2.23	0.71
1:Y:44:THR:HG21	21:c:101:HOH:O	1.89	0.71
1:Y:385:THR:OG1	1:Y:520:VAL:HG13	1.90	0.71
14:Z:805:CLA:HED2	14:Z:805:CLA:H2A	1.72	0.71
1:A:602:MET:CG	14:A:827:CLA:HBC1	2.19	0.71
1:G:683:TRP:O	1:G:686:SER:OG	2.06	0.71
1:G:699:GLU:OE2	2:H:556:LYS:NZ	2.22	0.71
14:U:1006:CLA:HBC2	14:Y:837:CLA:HMC2	1.72	0.71
1:Y:121:VAL:HG13	14:Z:833:CLA:HMD1	1.71	0.71
14:A:808:CLA:HHC	14:A:808:CLA:HBB1	1.72	0.71
2:B:665:THR:HA	14:B:802:CLA:HAB	1.71	0.71
1:Y:634:ILE:HG23	1:Y:754:VAL:HG11	1.72	0.71
17:G:845:BCR:H23C	17:G:845:BCR:H383	1.71	0.71
2:Z:303:MET:HA	14:Z:823:CLA:O1D	1.89	0.71
1:A:31:PRO:HB3	14:A:804:CLA:HAC1	1.73	0.71
2:B:663:TRP:CE3	14:B:801:CLA:HMA3	2.25	0.71
14:Y:841:CLA:HHC	14:Y:841:CLA:HBB1	1.72	0.71
14:A:842:CLA:HHC	14:A:842:CLA:HBB1	1.71	0.71
1:G:470:ARG:NH2	14:G:833:CLA:O1D	2.23	0.71
17:U:1005:BCR:H331	17:U:1005:BCR:C8	2.18	0.71
2:B:181:LEU:HD21	14:B:812:CLA:H11	1.72	0.71
17:H:846:BCR:H23C	17:H:846:BCR:H403	1.71	0.71
1:Y:217:ILE:HA	1:Y:221:LEU:HD12	1.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:809:CLA:HHC	14:A:809:CLA:HBB1	1.72	0.71
2:B:91:TRP:HA	7:I:1:MET:HE1	1.71	0.71
2:B:625:TRP:O	2:B:629:TYR:HB3	1.90	0.71
2:H:337:LEU:HD11	14:H:829:CLA:HBB1	1.73	0.70
2:B:339:TRP:CE2	14:B:825:CLA:H91	2.26	0.70
1:Y:694:ARG:HH12	1:Y:721:ALA:C	2.00	0.70
14:B:836:CLA:H41	14:X:1701:CLA:HED2	1.73	0.70
1:Y:601:TRP:HH2	14:Y:802:CLA:HAB	1.57	0.70
2:H:390:PHE:HZ	14:H:825:CLA:HAB	1.56	0.70
14:H:808:CLA:H43	14:H:827:CLA:H42	1.73	0.70
2:B:294:PHE:CE2	14:B:819:CLA:O1A	2.45	0.70
4:D:131:THR:O	4:D:133:LYS:N	2.22	0.70
14:G:806:CLA:H201	18:G:850:LHG:H221	1.73	0.70
17:G:845:BCR:H321	17:G:845:BCR:HC8	1.73	0.70
17:Z:845:BCR:H383	17:Z:845:BCR:H23C	1.71	0.70
2:H:339:TRP:HH2	17:H:845:BCR:H372	1.55	0.70
17:Y:853:BCR:C31	8:f:31:ARG:HD3	2.22	0.70
2:Z:319:ASN:ND2	18:j:101:LHG:O4	2.24	0.70
2:H:60:VAL:HG21	14:H:828:CLA:H11	1.72	0.70
14:H:808:CLA:CGA	14:H:808:CLA:C1A	2.70	0.70
9:g:59:LEU:HD13	21:g:201:HOH:O	1.90	0.70
2:B:343:CYS:HB3	14:B:823:CLA:H42	1.73	0.70
1:G:285:LEU:HD21	1:G:378:PRO:HD2	1.72	0.70
2:H:586:MET:HG2	2:H:716:LEU:HD21	1.73	0.70
14:U:1002:CLA:C1B	14:U:1003:CLA:HED1	2.22	0.70
2:Z:219:ALA:HB1	2:Z:223:PRO:HG2	1.74	0.69
14:A:807:CLA:HMA3	14:A:831:CLA:CAB	2.22	0.69
2:B:422:ILE:HG21	2:B:542:LYS:HG3	1.74	0.69
2:H:318:PHE:CG	14:H:822:CLA:HAB	2.26	0.69
9:g:59:LEU:CD1	21:g:201:HOH:O	2.39	0.69
1:Y:686:SER:HB3	1:Y:734:HIS:HB2	1.74	0.69
1:G:210:LEU:CD2	14:G:815:CLA:HAB	2.21	0.69
2:H:432:LEU:HD21	14:H:837:CLA:CAB	2.23	0.69
2:Z:509:SER:HB2	21:Z:903:HOH:O	1.91	0.69
1:A:681:PHE:CG	17:A:851:BCR:H363	2.26	0.69
14:A:813:CLA:HBB1	14:A:813:CLA:HHC	1.74	0.69
2:H:318:PHE:CD1	14:H:822:CLA:CAB	2.68	0.69
1:A:466:ARG:HB2	1:A:474:MET:HE1	1.73	0.69
1:G:549:THR:O	1:G:553:LEU:HG	1.93	0.69
14:H:831:CLA:H191	14:H:837:CLA:H13	1.74	0.69
1:Y:152:ILE:HA	14:Y:814:CLA:HED1	1.73	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:128:MET:HE3	2:B:134:LEU:HD23	1.73	0.69
14:B:807:CLA:HAB	14:B:808:CLA:HAA2	1.73	0.69
1:G:283:GLY:O	1:G:508:THR:O	2.09	0.69
2:H:318:PHE:HA	14:H:822:CLA:CAB	2.22	0.69
2:H:339:TRP:CZ2	14:H:826:CLA:H91	2.27	0.69
1:Y:13:ARG:HG2	1:Y:188:GLU:OE2	1.92	0.69
14:A:809:CLA:CAD	14:A:829:CLA:HBA1	2.23	0.69
14:A:832:CLA:O2D	10:L:5:VAL:HG11	1.93	0.69
14:Z:828:CLA:O1D	14:Z:829:CLA:HMA1	1.93	0.69
14:A:806:CLA:H11	14:A:807:CLA:HBB1	1.75	0.69
2:B:551:LYS:HZ3	6:F:138:VAL:C	2.00	0.69
14:H:838:CLA:HHC	14:H:838:CLA:HBB1	1.74	0.69
7:I:33:TYR:OH	11:M:30:TYR:OH	2.06	0.69
4:O:122:ASN:ND2	4:O:135:PRO:O	2.25	0.69
2:Z:162:PRO:HG2	2:Z:167:PHE:CZ	2.28	0.69
2:B:14:ASP:OD2	2:B:18:ARG:NH1	2.26	0.69
14:G:821:CLA:HMB1	14:G:825:CLA:HED2	1.75	0.69
14:A:825:CLA:HAB	14:A:832:CLA:HBC2	1.74	0.68
14:B:838:CLA:HHC	14:B:838:CLA:HBB1	1.75	0.68
14:G:802:CLA:HMD3	2:H:539:ILE:HG12	1.73	0.68
15:Y:842:PQN:H142	17:Z:848:BCR:H271	1.75	0.68
17:Z:850:BCR:H331	17:Z:850:BCR:C8	2.22	0.68
1:A:348:LEU:HD12	14:A:826:CLA:HMC2	1.75	0.68
2:B:663:TRP:CD2	14:B:801:CLA:HMA3	2.29	0.68
1:G:65:LEU:HD11	14:G:825:CLA:H191	1.74	0.68
4:O:95:HIS:HB3	4:O:96:PRO:HD3	1.74	0.68
2:Z:479:THR:HG21	12:j:29:TYR:O	1.93	0.68
1:Y:84:PHE:O	1:Y:88:SER:OG	2.09	0.68
1:A:524:VAL:HG23	1:A:625:VAL:HG22	1.76	0.68
2:H:20:ILE:HD13	7:R:34:ILE:HD12	1.75	0.68
1:A:683:TRP:O	1:A:686:SER:OG	2.09	0.68
2:H:475:TYR:HB3	6:Q:3:ALA:HA	1.76	0.68
6:Q:23:ASN:HD22	6:Q:31:GLY:H	1.41	0.68
17:R:101:BCR:H382	17:R:101:BCR:H23C	1.75	0.68
1:Y:504:ASN:HB3	14:Y:817:CLA:HED2	1.73	0.68
10:U:29:THR:O	10:U:33:ASN:ND2	2.24	0.68
17:h:207:BCR:C23	17:h:207:BCR:H403	2.24	0.68
14:A:827:CLA:HAB	17:A:850:BCR:H311	1.74	0.68
6:F:64:LEU:H	6:F:64:LEU:HD12	1.59	0.68
2:H:69:TRP:NE1	7:R:5:TYR:HB2	2.09	0.68
1:Y:661:VAL:HG21	1:Y:746:PHE:HA	1.76	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Y:829:CLA:HMD1	14:Y:829:CLA:H92	1.74	0.68
14:Y:838:CLA:HED2	2:Z:427:TRP:HB2	1.76	0.68
10:h:22:SER:HA	14:h:201:CLA:O1A	1.93	0.68
1:A:196:MET:HG2	1:A:200:HIS:CD2	2.29	0.68
14:A:841:CLA:HHC	14:A:841:CLA:HBB1	1.74	0.68
14:B:834:CLA:C4C	14:B:835:CLA:HAB	2.24	0.68
1:G:308:PHE:HE1	14:G:821:CLA:HAB	1.57	0.68
1:G:646:ILE:HG21	14:G:803:CLA:O2A	1.94	0.68
2:H:304:MET:HE2	2:H:322:HIS:HB3	1.76	0.68
1:Y:478:THR:OG1	1:Y:641:GLN:NE2	2.26	0.68
1:G:149:ALA:HB1	14:G:819:CLA:HED1	1.75	0.68
14:G:807:CLA:HBB2	17:S:1104:BCR:H392	1.76	0.68
2:H:390:PHE:CZ	14:H:825:CLA:HAB	2.29	0.68
2:B:304:MET:HG3	2:B:322:HIS:O	1.94	0.67
14:G:816:CLA:HBB1	14:G:816:CLA:HHC	1.76	0.67
2:H:110:ASN:HD22	7:R:3:GLY:HA3	1.60	0.67
14:Y:805:CLA:H41	14:Y:805:CLA:H72	1.74	0.67
2:H:193:LEU:HA	2:H:197:ALA:HB3	1.75	0.67
2:H:426:SER:O	2:H:430:LEU:HB2	1.94	0.67
4:O:60:ARG:NH2	4:O:62:GLU:OE1	2.21	0.67
1:Y:541:ILE:HG23	13:Y:801:CL0:H70	1.76	0.67
2:Z:431:PHE:O	2:Z:435:HIS:ND1	2.26	0.67
2:H:480:LEU:O	2:H:482:SER:N	2.26	0.67
9:T:69:LEU:HA	14:T:103:CLA:HBC2	1.75	0.67
1:Y:46:THR:HA	1:Y:49:TRP:HD1	1.60	0.67
13:A:801:CL0:H12	14:A:854:CLA:CAD	2.24	0.67
2:B:339:TRP:HE1	14:B:823:CLA:C2B	2.08	0.67
1:Y:601:TRP:CH2	14:Y:802:CLA:HAB	2.29	0.67
4:b:13:SER:OG	4:b:14:THR:N	2.27	0.67
3:N:22:THR:OG1	3:N:46:ASP:O	2.09	0.67
1:Y:399:TRP:CD1	14:Y:828:CLA:HAB	2.30	0.67
2:B:582:PHE:CE1	14:B:828:CLA:HHD	2.30	0.67
1:G:121:VAL:HG12	14:H:832:CLA:CMD	2.25	0.67
1:G:356:LEU:O	1:G:360:LEU:HB2	1.95	0.67
14:G:829:CLA:H111	17:G:846:BCR:H383	1.75	0.67
1:Y:90:MET:HE2	14:Y:828:CLA:HED2	1.77	0.67
1:Y:430:LEU:O	1:Y:433:VAL:HG12	1.94	0.67
2:H:179:ALA:HA	2:H:284:ILE:HA	1.76	0.67
14:B:837:CLA:HHC	14:B:837:CLA:HBB1	1.77	0.67
14:G:826:CLA:CAD	14:G:836:CLA:HBB1	2.25	0.67
1:Y:80:LEU:HD13	1:Y:172:MET:HE3	1.77	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:833:CLA:O1A	8:f:36:LEU:HB2	1.95	0.66
1:A:406:VAL:O	1:A:409:ALA:HB3	1.95	0.66
2:B:342:ALA:HB2	17:B:846:BCR:H372	1.77	0.66
14:G:829:CLA:HMD1	14:G:829:CLA:H92	1.77	0.66
1:Y:398:MET:HE2	1:Y:609:VAL:HG11	1.77	0.66
2:Z:181:LEU:HD13	14:Z:814:CLA:HHB	1.76	0.66
1:A:255:LYS:NZ	1:A:273:ALA:O	2.25	0.66
17:B:844:BCR:H23C	17:B:844:BCR:C38	2.25	0.66
1:G:488:GLN:NE2	1:G:531:LEU:O	2.28	0.66
2:H:561:TYR:O	2:H:577:SER:OG	2.13	0.66
2:Z:16:THR:OG1	2:Z:704:VAL:HG22	1.96	0.66
14:G:830:CLA:H91	18:G:850:LHG:H311	1.78	0.66
9:K:55:GLY:O	9:K:56:LEU:HD12	1.94	0.66
1:A:49:TRP:CG	1:A:726:GLN:HE22	2.14	0.66
1:A:177:TRP:HB2	14:A:812:CLA:C2C	2.25	0.66
1:A:708:HIS:HA	1:A:713:VAL:HG23	1.75	0.66
1:G:704:ILE:HD13	14:H:801:CLA:HMD1	1.78	0.66
1:Y:194:GLU:HG3	1:Y:325:LEU:HD12	1.76	0.66
17:e:101:BCR:H311	17:e:101:BCR:HC8	1.76	0.66
4:D:10:TYR:HD1	4:D:47:ALA:HB2	1.60	0.66
14:G:841:CLA:HMB1	2:H:697:VAL:HG21	1.76	0.66
1:Y:587:CYS:HB3	16:Y:843:SF4:S4	2.35	0.66
14:G:802:CLA:H12	2:H:430:LEU:HD12	1.76	0.66
14:H:817:CLA:H42	14:H:833:CLA:HAA2	1.78	0.66
13:Y:801:CL0:H12	14:Z:802:CLA:CAD	2.26	0.66
1:A:601:TRP:HH2	14:A:803:CLA:HAB	1.61	0.66
14:A:809:CLA:C3D	14:A:829:CLA:HBA1	2.26	0.66
14:H:832:CLA:H41	14:H:832:CLA:H71	1.77	0.66
1:G:583:ARG:HG3	3:N:48:VAL:CG1	2.26	0.66
14:H:837:CLA:HMA3	14:H:838:CLA:HED2	1.78	0.66
9:K:24:LEU:HD22	9:K:70:ALA:HA	1.77	0.66
3:C:13:CYS:O	3:C:14:THR:OG1	2.14	0.65
4:D:117:ARG:HD3	21:D:214:HOH:O	1.96	0.65
14:Z:827:CLA:CAB	14:Z:834:CLA:HMA2	2.25	0.65
12:j:12:ARG:NH2	18:j:101:LHG:O2	2.26	0.65
14:A:837:CLA:HBB2	14:A:838:CLA:HBC3	1.78	0.65
2:B:515:PHE:CE1	14:B:825:CLA:HBC2	2.31	0.65
2:Z:441:VAL:HG22	14:Z:802:CLA:H42	1.78	0.65
1:A:56:HIS:HD1	14:A:807:CLA:CGA	2.09	0.65
1:Y:189:TRP:CZ2	14:Y:813:CLA:HAC2	2.32	0.65
14:A:829:CLA:H191	17:J:103:BCR:H14C	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:814:CLA:HMB3	14:B:814:CLA:HBB1	1.77	0.65
14:G:841:CLA:HBC1	15:H:841:PQN:H193	1.79	0.65
2:H:724:ILE:HD13	14:H:827:CLA:HMC2	1.77	0.65
9:T:24:LEU:HD13	9:T:70:ALA:HA	1.78	0.65
14:Y:802:CLA:H41	2:Z:654:TRP:CD1	2.31	0.65
2:Z:31:GLU:OE1	2:Z:334:HIS:NE2	2.30	0.65
2:Z:509:SER:CB	21:Z:903:HOH:O	2.44	0.65
14:A:821:CLA:CMA	9:K:61:ALA:HB2	2.25	0.65
2:B:52:HIS:CE1	14:B:804:CLA:HMA2	2.32	0.65
17:F:201:BCR:H331	17:F:201:BCR:C8	2.27	0.65
2:H:442:HIS:CD2	2:H:456:ILE:HG13	2.31	0.65
1:Y:14:VAL:HG13	1:Y:14:VAL:O	1.97	0.65
2:Z:384:PHE:CE1	2:Z:586:MET:HE1	2.31	0.65
14:A:813:CLA:O1D	14:A:814:CLA:HMC1	1.96	0.65
4:D:24:GLU:O	4:D:87:PRO:HD3	1.97	0.65
1:G:645:THR:HG23	1:G:648:GLY:H	1.61	0.65
10:L:71:SER:OG	10:L:72:ASP:N	2.29	0.65
8:S:11:ALA:N	8:S:12:PRO:HD2	2.12	0.65
2:Z:212:LEU:HD21	17:Z:845:BCR:H341	1.79	0.65
2:Z:373:ALA:HB2	2:Z:732:ILE:HD11	1.79	0.65
14:A:817:CLA:HHC	14:A:817:CLA:HBB1	1.77	0.65
1:G:465:MET:HB3	1:G:470:ARG:HB2	1.79	0.65
2:H:19:ARG:NH2	2:H:701:ASP:OD1	2.27	0.65
2:H:566:ASP:OD1	3:N:51:LYS:NZ	2.29	0.65
17:H:844:BCR:H23C	17:H:844:BCR:H383	1.77	0.65
6:Q:54:ASP:OD2	6:Q:56:ARG:NE	2.28	0.65
1:Y:121:VAL:HG13	14:Z:833:CLA:CMD	2.27	0.65
2:Z:506:ALA:O	2:Z:512:ASN:ND2	2.23	0.65
2:Z:528:ALA:O	2:Z:531:LEU:HB3	1.97	0.65
14:Z:828:CLA:HBC3	19:Z:849:LMG:H422	1.78	0.65
4:b:68:ALA:HA	4:b:72:LEU:HB2	1.78	0.65
14:H:830:CLA:O1A	12:W:12:ARG:NH1	2.30	0.65
14:U:1003:CLA:HMA3	14:U:1004:CLA:HBC1	1.79	0.65
17:F:201:BCR:H331	17:F:201:BCR:HC8	1.78	0.65
14:G:803:CLA:O1A	14:G:803:CLA:H3A	1.97	0.65
14:H:809:CLA:H203	7:R:26:VAL:CG2	2.27	0.65
1:Y:118:TRP:CE3	17:Y:853:BCR:H323	2.31	0.65
1:A:346:GLU:OE1	1:A:346:GLU:N	2.29	0.64
1:A:683:TRP:CE3	13:A:801:CL0:H6	2.32	0.64
2:B:14:ASP:HB3	2:B:19:ARG:HB2	1.80	0.64
17:U:1008:BCR:H331	17:U:1008:BCR:C8	2.24	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:831:CLA:HAB	14:B:832:CLA:HMB1	1.79	0.64
6:F:60:ALA:HA	6:F:64:LEU:HD13	1.79	0.64
2:H:340:HIS:CD2	14:H:824:CLA:HAA1	2.33	0.64
14:Z:801:CLA:CGA	14:Z:801:CLA:H3A	2.25	0.64
2:B:166:TRP:CD1	14:B:811:CLA:HED2	2.33	0.64
14:G:821:CLA:CMB	14:G:825:CLA:HED2	2.28	0.64
10:L:118:SER:OG	10:h:42:SER:OG	2.06	0.64
2:B:665:THR:N	14:B:802:CLA:HAB	2.12	0.64
3:C:57:CYS:CA	21:C:205:HOH:O	2.40	0.64
2:H:503:TRP:CZ2	14:H:833:CLA:HED1	2.32	0.64
14:h:204:CLA:C1	14:h:204:CLA:CGA	2.72	0.64
1:A:601:TRP:CH2	14:A:803:CLA:HAB	2.33	0.64
14:A:823:CLA:HBA2	9:K:35:GLN:OE1	1.98	0.64
14:G:840:CLA:H191	8:S:23:ALA:HB2	1.80	0.64
1:Y:642:SER:O	1:Y:648:GLY:HA3	1.97	0.64
2:Z:318:PHE:CD1	14:Z:823:CLA:HAB	2.33	0.64
17:h:207:BCR:H403	17:h:207:BCR:H23C	1.80	0.64
2:B:518:ILE:HG22	2:B:522:ASP:OD2	1.98	0.64
6:F:25:THR:HG22	6:F:26:ALA:H	1.63	0.64
1:G:405:VAL:HG11	14:G:826:CLA:C2C	2.27	0.64
2:Z:193:LEU:HA	2:Z:197:ALA:HB3	1.79	0.64
2:Z:291:ARG:NH1	2:Z:295:GLY:O	2.31	0.64
1:G:599:LEU:HD21	14:G:830:CLA:HBC1	1.80	0.64
2:Z:589:MET:HE2	2:Z:590:LEU:HD23	1.79	0.64
14:Z:806:CLA:H13	14:Z:806:CLA:OBD	1.97	0.64
14:B:808:CLA:CMA	14:B:809:CLA:HAB	2.28	0.64
14:B:831:CLA:HAB	14:B:832:CLA:CMB	2.27	0.64
14:B:837:CLA:H42	14:B:837:CLA:NC	2.12	0.64
17:B:846:BCR:H321	17:B:846:BCR:HC8	1.80	0.64
14:G:807:CLA:CBB	17:S:1104:BCR:H392	2.27	0.64
2:B:170:ALA:HB1	14:B:823:CLA:HHD	1.79	0.64
2:B:665:THR:CA	14:B:802:CLA:HAB	2.28	0.64
3:C:28:VAL:HG21	4:D:111:ALA:HB2	1.80	0.64
14:G:813:CLA:CAD	14:G:825:CLA:H92	2.28	0.64
1:Y:375:TYR:CE1	14:Y:835:CLA:HBC3	2.33	0.64
1:Y:437:ARG:HH22	1:Y:562:SER:HB2	1.62	0.64
14:Z:828:CLA:H3A	14:Z:828:CLA:O1A	1.98	0.64
2:B:255:THR:O	2:B:274:HIS:ND1	2.30	0.63
17:H:843:BCR:H313	17:H:844:BCR:HC31	1.79	0.63
1:Y:357:ALA:HA	1:Y:408:GLY:HA2	1.80	0.63
14:Z:820:CLA:H61	14:Z:825:CLA:H91	1.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:510:SER:C	1:A:512:ALA:H	2.06	0.63
14:G:832:CLA:HMA3	17:R:101:BCR:H292	1.80	0.63
14:G:841:CLA:H61	14:H:839:CLA:H43	1.81	0.63
2:H:222:ALA:HB3	2:H:223:PRO:HD3	1.80	0.63
14:H:810:CLA:O2A	10:U:148:ILE:HG23	1.98	0.63
2:Z:292:THR:HG21	14:Z:821:CLA:OBD	1.98	0.63
1:A:348:LEU:HB2	14:A:826:CLA:HBC2	1.80	0.63
14:A:842:CLA:C6	14:B:839:CLA:H43	2.29	0.63
8:S:10:THR:C	8:S:12:PRO:HD2	2.23	0.63
2:Z:321:PRO:HG2	2:Z:409:ASN:HA	1.80	0.63
2:Z:554:PRO:HD2	3:a:61:PHE:CE1	2.33	0.63
4:b:50:ARG:H	4:b:54:ASN:HD21	1.43	0.63
1:A:38:LEU:HA	1:A:47:TRP:HE1	1.62	0.63
3:C:5:LYS:HG3	4:D:136:TYR:HB2	1.79	0.63
14:Y:803:CLA:H8	8:f:16:ALA:HA	1.80	0.63
14:Y:818:CLA:HBC1	14:Y:819:CLA:H141	1.81	0.63
17:d:203:BCR:C23	17:d:203:BCR:H383	2.29	0.63
1:A:86:TRP:NE1	14:A:829:CLA:OBD	2.32	0.63
2:H:360:PRO:HG3	14:H:818:CLA:CBA	2.25	0.63
2:H:494:ASN:HD22	2:H:496:GLY:H	1.47	0.63
17:I:102:BCR:H372	14:L:202:CLA:H152	1.79	0.63
2:B:140:PHE:O	2:B:143:ILE:N	2.32	0.63
2:Z:202:ARG:NE	2:Z:237:ASP:OD1	2.32	0.63
14:A:806:CLA:H11	14:A:807:CLA:CBB	2.29	0.63
14:A:840:CLA:H43	8:J:14:LEU:HB3	1.79	0.63
2:B:228:ASN:O	2:B:231:VAL:HG23	1.99	0.63
1:G:280:THR:HG23	1:G:296:ASP:OD1	1.98	0.63
1:G:674:LEU:O	14:H:802:CLA:H62	1.99	0.63
1:Y:292:LEU:HD11	1:Y:377:MET:HB3	1.80	0.63
2:Z:351:VAL:O	2:Z:355:MET:HG3	1.99	0.63
1:A:369:ILE:HA	14:A:827:CLA:HED2	1.80	0.63
2:B:189:TRP:CZ2	14:B:817:CLA:OBD	2.52	0.63
17:B:843:BCR:H382	17:B:843:BCR:H23C	1.81	0.63
1:A:511:VAL:HG23	1:A:526:MET:HG3	1.80	0.63
2:B:60:VAL:HG11	14:B:827:CLA:H11	1.79	0.63
2:B:214:THR:O	14:B:814:CLA:HED1	1.99	0.63
1:G:405:VAL:HG11	14:G:826:CLA:C3C	2.28	0.63
2:H:513:SER:HB3	2:H:516:LEU:HD21	1.78	0.63
2:Z:126:ILE:HG22	14:Z:819:CLA:HED2	1.79	0.63
10:h:52:MET:HA	10:h:131:SER:OG	1.99	0.63
12:j:19:LEU:HA	12:j:22:ILE:HD12	1.81	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:827:CLA:CAB	17:A:850:BCR:H311	2.29	0.62
1:G:216:GLN:HA	1:G:220:SER:HB3	1.81	0.62
14:U:1006:CLA:C1D	14:Y:831:CLA:HMB2	2.29	0.62
1:Y:13:ARG:HE	1:Y:15:VAL:HG21	1.63	0.62
14:Y:818:CLA:HBB1	14:Y:818:CLA:HMB3	1.80	0.62
14:A:823:CLA:HBA2	9:K:35:GLN:CD	2.25	0.62
4:D:35:LYS:HD2	21:D:201:HOH:O	1.99	0.62
1:Y:468:PHE:O	2:Z:96:GLY:N	2.25	0.62
14:Y:839:CLA:CBB	15:Y:842:PQN:H141	2.28	0.62
1:A:273:ALA:O	1:A:276:SER:OG	2.16	0.62
1:A:565:LEU:HG	1:A:583:ARG:HD2	1.80	0.62
14:A:829:CLA:C9	17:J:103:BCR:H361	2.29	0.62
2:Z:55:ILE:HG23	14:Z:808:CLA:H141	1.81	0.62
14:Z:809:CLA:HAB	14:Z:810:CLA:HAA2	1.80	0.62
14:Z:822:CLA:HED2	14:Z:822:CLA:H2A	1.81	0.62
1:A:34:PHE:O	1:A:61:HIS:HA	1.98	0.62
14:Q:202:CLA:HBC2	8:S:19:MET:HE1	1.82	0.62
17:R:101:BCR:H331	17:R:101:BCR:C8	2.30	0.62
1:A:120:ILE:HD12	17:J:104:BCR:H313	1.81	0.62
1:A:527:MET:HB2	1:A:528:PRO:HD2	1.81	0.62
2:B:665:THR:HA	14:B:802:CLA:CAB	2.30	0.62
2:H:527:HIS:CD2	17:H:850:BCR:H322	2.33	0.62
14:K:102:CLA:HED2	14:K:102:CLA:H2A	1.80	0.62
4:O:10:TYR:OH	4:O:44:ALA:O	2.17	0.62
1:A:658:ALA:O	1:A:662:ILE:HG12	1.99	0.62
1:A:695:GLY:O	1:A:699:GLU:HG3	1.99	0.62
17:Y:849:BCR:H362	14:Z:802:CLA:H43	1.80	0.62
1:G:445:ASN:ND2	14:G:852:CLA:HED3	2.14	0.62
1:G:514:GLY:HA2	1:G:528:PRO:HB3	1.79	0.62
13:G:801:CL0:H13	14:H:802:CLA:OBD	1.99	0.62
14:G:803:CLA:OBD	14:H:803:CLA:HMB3	1.99	0.62
14:Y:806:CLA:H151	14:Y:829:CLA:HBB2	1.82	0.62
2:Z:625:TRP:O	2:Z:629:TYR:HB3	1.99	0.62
17:Z:847:BCR:H403	17:Z:847:BCR:H23C	1.80	0.62
1:G:473:ASP:OD1	10:h:69:ARG:NH2	2.32	0.62
2:H:350:LEU:HD23	14:H:818:CLA:H41	1.81	0.62
14:U:1007:CLA:HAB	1:Y:453:PHE:O	2.00	0.62
8:f:14:LEU:O	8:f:17:ILE:HG13	1.99	0.62
1:A:445:ASN:O	1:A:449:ILE:HG13	1.99	0.62
14:A:806:CLA:H142	17:A:848:BCR:H372	1.82	0.62
4:D:124:ASN:H	4:D:124:ASN:HD22	1.46	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:649:TRP:O	1:G:653:PHE:HB3	1.99	0.62
14:H:804:CLA:HED2	14:H:804:CLA:H2A	1.82	0.62
1:Y:602:MET:SD	1:Y:603:TYR:N	2.72	0.62
4:b:104:LYS:O	4:b:109:ARG:NH1	2.33	0.62
10:h:16:HIS:CD2	14:h:201:CLA:HED1	2.35	0.62
1:A:437:ARG:HH22	1:A:562:SER:HB2	1.64	0.62
14:G:808:CLA:HBB1	14:G:809:CLA:C2D	2.29	0.62
6:Q:80:VAL:HG11	6:Q:110:MET:HA	1.81	0.62
1:A:204:LEU:HD11	14:A:814:CLA:H42	1.82	0.61
1:A:225:LYS:HD3	1:A:252:LEU:HD12	1.82	0.61
2:H:588:TRP:CH2	14:H:802:CLA:HAB	2.35	0.61
1:Y:15:VAL:HG12	1:Y:186:LYS:HG3	1.81	0.61
1:Y:684:ALA:C	14:Z:801:CLA:HAB	2.25	0.61
2:B:136:GLN:HE22	2:B:208:TRP:HE1	1.46	0.61
2:B:321:PRO:HB2	2:B:323:GLN:HE22	1.65	0.61
2:B:664:ALA:C	14:B:802:CLA:HAB	2.25	0.61
1:G:348:LEU:HB2	14:G:825:CLA:HBC3	1.81	0.61
1:G:358:ILE:HG22	1:G:359:ASN:HD22	1.65	0.61
1:G:377:MET:HE1	14:G:827:CLA:HBB1	1.81	0.61
6:Q:1:ASP:N	6:Q:5:LEU:O	2.21	0.61
1:Y:337:THR:OG1	18:Y:851:LHG:HC32	2.00	0.61
1:Y:601:TRP:HE1	14:Z:804:CLA:C1D	2.12	0.61
2:Z:304:MET:HG3	2:Z:322:HIS:O	1.99	0.61
1:A:552:ILE:HG12	14:B:802:CLA:HMD3	1.83	0.61
1:G:439:ALA:HA	2:H:686:TRP:CZ3	2.35	0.61
2:H:200:GLU:OE2	2:H:205:HIS:CE1	2.54	0.61
1:Y:511:VAL:HG23	1:Y:526:MET:HG3	1.81	0.61
17:Y:847:BCR:H372	18:Y:851:LHG:H262	1.81	0.61
2:Z:651:VAL:HG21	14:Z:809:CLA:HAC1	1.82	0.61
10:h:25:GLY:O	10:h:29:THR:OG1	2.14	0.61
1:A:601:TRP:HH2	14:A:803:CLA:CAB	2.13	0.61
17:B:850:BCR:H401	8:J:33:TYR:CD1	2.36	0.61
1:G:437:ARG:CZ	4:O:44:ALA:HB2	2.30	0.61
2:Z:153:TRP:CE2	2:Z:157:GLN:NE2	2.68	0.61
14:Z:802:CLA:HMB3	14:Z:803:CLA:H201	1.81	0.61
2:B:166:TRP:CZ2	14:B:810:CLA:HMA1	2.35	0.61
2:B:181:LEU:HG	14:B:812:CLA:H42	1.82	0.61
14:H:806:CLA:H143	14:H:828:CLA:HBB2	1.83	0.61
14:H:839:CLA:H143	10:h:88:VAL:HG21	1.81	0.61
6:Q:122:LYS:O	6:Q:126:SER:OG	2.18	0.61
12:W:20:LEU:HD13	14:W:1701:CLA:HBB1	1.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:50:ASN:O	1:Y:54:LEU:HG	2.00	0.61
14:Z:824:CLA:HAB	14:Z:831:CLA:HMD1	1.82	0.61
1:A:308:PHE:CE1	14:A:822:CLA:HAB	2.30	0.61
4:D:95:HIS:CB	4:D:96:PRO:HD3	2.30	0.61
10:L:54:HIS:HA	10:L:57:PHE:CE2	2.35	0.61
14:L:205:CLA:HMA3	14:L:206:CLA:HBC1	1.83	0.61
1:Y:408:GLY:O	1:Y:412:GLY:N	2.32	0.61
1:Y:698:GLN:HE22	1:Y:720:ARG:HA	1.65	0.61
9:g:77:LEU:C	21:g:202:HOH:O	2.43	0.61
14:A:810:CLA:H62	17:J:104:BCR:H363	1.82	0.61
14:Z:833:CLA:H42	8:f:29:PHE:CE2	2.36	0.61
1:A:610:ILE:CD1	1:A:743:THR:HG21	2.31	0.61
2:H:4:PHE:CD1	2:H:5:PRO:HA	2.35	0.61
14:Y:839:CLA:HHC	14:Y:839:CLA:HBB1	1.81	0.61
2:Z:128:MET:HE2	14:Z:815:CLA:HMA1	1.83	0.61
2:B:4:PHE:HB2	7:I:34:ILE:HA	1.81	0.60
2:B:149:LEU:HD22	11:M:22:ALA:HA	1.82	0.60
2:B:166:TRP:HD1	14:B:811:CLA:HED2	1.65	0.60
1:G:361:ALA:HB1	17:G:848:BCR:H343	1.82	0.60
4:O:39:PHE:HB2	4:O:71:GLN:NE2	2.15	0.60
1:A:16:VAL:HG11	1:A:183:ARG:HD2	1.83	0.60
1:A:266:PRO:HA	21:A:922:HOH:O	2.01	0.60
2:B:217:HIS:HB2	2:B:253:ILE:HD13	1.83	0.60
17:Y:847:BCR:H403	17:Y:847:BCR:H23C	1.82	0.60
3:a:46:ASP:OD2	4:b:61:LYS:NZ	2.34	0.60
2:B:724:ILE:HD13	14:B:826:CLA:HMC2	1.83	0.60
14:G:821:CLA:CAA	21:G:901:HOH:O	2.39	0.60
14:H:832:CLA:H42	8:S:29:PHE:CZ	2.37	0.60
9:K:65:PHE:O	9:K:68:LEU:HD23	2.00	0.60
1:Y:50:ASN:ND2	5:c:50:GLY:O	2.35	0.60
1:Y:189:TRP:CD1	14:Y:812:CLA:HED2	2.36	0.60
17:A:851:BCR:H362	14:A:854:CLA:H43	1.82	0.60
2:H:241:HIS:CE1	2:H:249:ALA:HB2	2.36	0.60
2:H:532:GLY:HA3	2:H:592:THR:HG23	1.83	0.60
2:H:602:TRP:CD2	2:H:629:TYR:HB2	2.36	0.60
2:Z:339:TRP:CH2	17:Z:846:BCR:H372	2.36	0.60
10:h:61:PRO:O	10:h:65:LEU:HB2	2.01	0.60
1:A:511:VAL:HG23	1:A:526:MET:CG	2.31	0.60
14:B:803:CLA:HED2	14:B:803:CLA:H2A	1.83	0.60
2:H:662:VAL:HG11	2:H:721:VAL:CG2	2.31	0.60
1:Y:398:MET:HE1	14:Y:826:CLA:HMD2	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:376:THR:HB	14:Z:828:CLA:HMB2	1.82	0.60
1:G:217:ILE:HA	1:G:221:LEU:HD12	1.83	0.60
1:G:337:THR:HG21	18:G:851:LHG:HC12	1.83	0.60
14:Y:828:CLA:H43	17:Y:849:BCR:H311	1.82	0.60
10:h:63:VAL:HG22	10:h:75:ASN:HA	1.83	0.60
1:A:354:ALA:O	17:A:849:BCR:H311	2.01	0.60
2:H:303:MET:HE3	14:H:819:CLA:HED2	1.84	0.60
1:A:551:LEU:HD23	14:B:802:CLA:OBD	2.02	0.60
14:B:806:CLA:C19	14:B:826:CLA:H201	2.30	0.60
1:Y:101:GLU:OE2	1:Y:155:GLU:OE1	2.19	0.60
1:Y:177:TRP:HB2	14:Y:811:CLA:HMC2	1.82	0.60
1:A:696:TYR:O	2:B:542:LYS:NZ	2.35	0.60
2:B:292:THR:HG21	14:B:819:CLA:OBD	2.01	0.60
1:G:307:LEU:HD21	14:G:817:CLA:H141	1.83	0.60
14:G:817:CLA:CBC	14:G:818:CLA:HMC1	2.31	0.60
2:H:52:HIS:CE1	2:H:56:ILE:HD11	2.36	0.60
2:H:548:ARG:NH2	4:O:124:ASN:OD1	2.31	0.60
1:Y:52:HIS:O	14:Y:830:CLA:H11	2.01	0.60
1:Y:305:ALA:O	1:Y:309:ILE:HG13	2.01	0.60
2:Z:239:ALA:HA	2:Z:262:PRO:HG2	1.84	0.60
1:A:113:SER:HB2	1:A:130:VAL:HG11	1.83	0.60
2:B:355:MET:HE1	14:B:827:CLA:O1D	2.01	0.60
2:B:490:THR:O	2:B:495:TYR:HA	2.01	0.60
1:G:145:GLN:OE1	1:G:145:GLN:N	2.35	0.60
1:G:429:VAL:HG13	14:G:831:CLA:CMD	2.32	0.60
10:h:134:VAL:CG1	17:h:202:BCR:H403	2.30	0.60
1:A:363:MET:HE1	14:A:830:CLA:HBC3	1.83	0.59
14:A:823:CLA:HBA2	9:K:35:GLN:CG	2.32	0.59
1:G:738:GLY:O	1:G:742:THR:OG1	2.16	0.59
14:G:830:CLA:O2D	14:G:830:CLA:H2A	2.02	0.59
2:H:537:THR:O	2:H:541:VAL:HG23	2.01	0.59
9:K:55:GLY:O	9:K:56:LEU:CD1	2.49	0.59
1:Y:31:PRO:HB3	14:Y:803:CLA:HAC1	1.83	0.59
1:A:391:LEU:O	1:A:395:THR:HG23	2.02	0.59
1:A:702:GLU:CD	2:B:551:LYS:HB2	2.28	0.59
2:H:21:TRP:CG	2:H:710:GLN:HE22	2.21	0.59
10:L:68:LEU:HD22	10:h:153:PHE:CB	2.32	0.59
1:Y:432:ARG:CD	14:Y:831:CLA:OBD	2.50	0.59
1:Y:467:ALA:HB2	2:Z:641:TYR:CD1	2.36	0.59
1:Y:689:PHE:HA	15:Y:842:PQN:H9	1.83	0.59
2:Z:691:THR:OG1	2:Z:694:ALA:HB3	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:809:CLA:C1A	14:Z:809:CLA:CGA	2.80	0.59
6:d:40:GLN:O	6:d:59:ARG:NH1	2.35	0.59
1:G:535:ASP:O	1:G:539:HIS:ND1	2.35	0.59
6:Q:72:TYR:OH	6:Q:114:PHE:O	2.17	0.59
14:H:804:CLA:HBB1	14:H:805:CLA:CMB	2.32	0.59
8:J:28:GLU:OE2	8:J:31:ARG:NH2	2.35	0.59
14:Y:804:CLA:HAB	14:Y:806:CLA:CAD	2.33	0.59
2:Z:446:VAL:HG21	2:Z:454:LYS:HB2	1.84	0.59
6:d:65:ILE:HB	6:d:66:PRO:HD3	1.85	0.59
6:F:53:VAL:HG12	6:F:63:PHE:HB2	1.83	0.59
14:H:834:CLA:C4C	14:H:835:CLA:HAB	2.33	0.59
1:Y:450:PHE:HE1	14:Y:836:CLA:HAB	1.68	0.59
14:Y:814:CLA:C4D	21:Y:921:HOH:O	2.46	0.59
1:A:603:TYR:HE2	13:A:801:CL0:O1A	1.85	0.59
2:B:22:TYR:O	2:B:26:MET:HG3	2.03	0.59
1:G:219:VAL:HG13	1:G:239:PRO:HB3	1.84	0.59
1:Y:90:MET:HE1	14:Y:808:CLA:HAA2	1.84	0.59
1:Y:308:PHE:HE1	14:Y:821:CLA:HAB	1.68	0.59
1:Y:504:ASN:HB2	14:Y:834:CLA:HED2	1.84	0.59
14:Z:841:CLA:H43	17:e:101:BCR:H351	1.84	0.59
14:G:825:CLA:H42	14:G:829:CLA:H193	1.85	0.59
14:H:817:CLA:H43	14:H:833:CLA:O1D	2.03	0.59
10:L:54:HIS:O	10:L:58:LEU:HG	2.02	0.59
6:Q:80:VAL:HG12	6:Q:109:CYS:O	2.03	0.59
1:Y:56:HIS:CD2	14:Y:805:CLA:HBB2	2.37	0.59
2:Z:525:VAL:HG11	2:Z:599:TYR:HB2	1.84	0.59
1:G:83:VAL:HG12	14:G:805:CLA:H92	1.84	0.59
1:G:601:TRP:CH2	14:G:803:CLA:HAB	2.37	0.59
14:Z:820:CLA:H41	17:Z:847:BCR:H353	1.83	0.59
2:B:368:HIS:CE1	2:B:608:TRP:CD1	2.91	0.59
1:A:680:HIS:HB3	14:A:854:CLA:HBD	1.85	0.59
8:S:13:VAL:HA	17:S:1105:BCR:H401	1.85	0.59
14:Y:818:CLA:H43	14:Y:833:CLA:HAA2	1.85	0.59
1:A:578:CYS:HB3	16:A:845:SF4:S4	2.43	0.58
14:A:854:CLA:HAB	2:B:588:TRP:CH2	2.38	0.58
2:B:433:GLY:O	2:B:437:LEU:HB3	2.02	0.58
14:L:204:CLA:OBD	10:U:91:ALA:HA	2.03	0.58
10:U:142:PHE:O	10:U:145:VAL:N	2.37	0.58
1:Y:465:MET:HG3	1:Y:470:ARG:HB2	1.84	0.58
1:Y:683:TRP:CE3	13:Y:801:CL0:H5	2.38	0.58
14:Z:810:CLA:H102	14:Z:828:CLA:H172	1.84	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:d:203:BCR:H331	17:d:203:BCR:C8	2.31	0.58
1:G:556:GLY:O	1:G:560:ALA:HB2	2.03	0.58
14:Y:841:CLA:HHD	17:Y:852:BCR:H383	1.85	0.58
17:Y:852:BCR:H401	14:Z:804:CLA:O1D	2.02	0.58
2:Z:86:ILE:O	2:Z:120:TYR:OH	2.12	0.58
2:Z:354:HIS:HB3	14:Z:818:CLA:HED2	1.84	0.58
2:B:598:PHE:CD2	14:B:801:CLA:H101	2.38	0.58
10:U:15:GLY:O	2:Z:686:TRP:NE1	2.36	0.58
14:Z:808:CLA:HED2	7:e:11:PRO:HB3	1.85	0.58
17:f:103:BCR:H23C	17:f:103:BCR:H383	1.86	0.58
1:A:718:GLN:NE2	5:E:15:TYR:OH	2.33	0.58
13:A:801:CL0:CGD	13:A:801:CL0:H8	2.33	0.58
1:G:13:ARG:NH2	1:G:188:GLU:OE1	2.36	0.58
1:G:121:VAL:HG12	14:H:832:CLA:HMD1	1.84	0.58
1:G:207:LEU:HD11	14:G:820:CLA:HBC1	1.86	0.58
2:H:79:ASP:OD2	2:H:82:ASN:HB2	2.03	0.58
2:H:128:MET:HE2	14:H:814:CLA:HMA1	1.86	0.58
2:H:349:SER:OG	14:H:825:CLA:CAD	2.51	0.58
6:d:67:SER:HA	14:d:201:CLA:HBC3	1.84	0.58
2:B:84:ARG:NE	2:B:84:ARG:HA	2.18	0.58
2:B:86:ILE:HG23	2:B:112:VAL:HG22	1.86	0.58
2:B:666:GLY:O	2:B:670:LEU:HG	2.03	0.58
1:G:46:THR:HA	1:G:49:TRP:HD1	1.67	0.58
1:G:97:PHE:HB3	1:G:116:VAL:HG23	1.86	0.58
14:G:841:CLA:CMD	17:H:847:BCR:H383	2.31	0.58
2:Z:90:ILE:HD13	14:Z:810:CLA:HMD2	1.86	0.58
14:A:841:CLA:H191	8:J:23:ALA:HB2	1.85	0.58
14:B:803:CLA:HMC2	14:B:805:CLA:HED2	1.85	0.58
17:B:842:BCR:H331	17:B:842:BCR:C8	2.34	0.58
17:B:847:BCR:H382	17:B:847:BCR:C23	2.32	0.58
1:G:403:PHE:CZ	1:G:736:LEU:HD13	2.39	0.58
3:N:54:GLU:HB3	3:N:62:LEU:HD13	1.85	0.58
5:P:27:ASP:OD1	5:P:29:THR:OG1	2.14	0.58
10:U:110:PRO:O	10:U:116:GLY:HA3	2.03	0.58
1:Y:536:PHE:CA	14:Y:836:CLA:HED1	2.32	0.58
9:g:58:GLU:HG3	21:g:201:HOH:O	2.03	0.58
2:B:445:VAL:HG11	14:B:832:CLA:HAC2	1.84	0.58
17:B:847:BCR:H382	17:B:847:BCR:H23C	1.86	0.58
1:G:602:MET:HG2	14:G:826:CLA:HBC1	1.84	0.58
1:G:713:VAL:HG12	6:Q:82:ARG:HG3	1.86	0.58
14:G:838:CLA:HBB1	14:G:838:CLA:HMB3	1.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:Q:36:GLU:O	6:Q:39:SER:OG	2.22	0.58
17:S:1104:BCR:H331	17:S:1104:BCR:C8	2.30	0.58
1:Y:602:MET:SD	1:Y:602:MET:C	2.87	0.58
1:Y:694:ARG:NH1	1:Y:721:ALA:C	2.60	0.58
2:Z:58:LEU:HB3	14:Z:808:CLA:H91	1.85	0.58
2:B:379:GLN:OE1	2:B:379:GLN:HA	2.02	0.58
1:G:302:LEU:HD22	14:G:815:CLA:HAC1	1.86	0.58
17:G:848:BCR:H382	17:G:848:BCR:C23	2.30	0.58
17:G:849:BCR:H382	14:H:832:CLA:CBB	2.34	0.58
7:R:13:ILE:O	7:R:16:PRO:HD2	2.03	0.58
7:R:18:VAL:O	7:R:23:PRO:HD3	2.04	0.58
9:T:22:CYS:HA	9:T:25:PHE:CD1	2.38	0.58
10:U:11:ASP:O	10:U:14:VAL:HG22	2.04	0.58
1:A:433:VAL:HA	1:A:436:HIS:CE1	2.39	0.58
1:Y:344:LEU:HD11	14:Y:824:CLA:HBC3	1.86	0.58
11:i:4:THR:HG22	11:i:7:GLN:HE21	1.68	0.58
1:A:202:ALA:HB2	1:A:312:GLY:HA3	1.85	0.58
1:A:523:LYS:HA	1:A:624:THR:HA	1.86	0.58
1:G:327:GLU:OE1	9:T:37:ARG:NH1	2.36	0.58
7:I:25:VAL:HG12	14:h:204:CLA:H162	1.86	0.58
3:N:16:CYS:SG	3:N:25:LEU:HD13	2.44	0.58
1:Y:58:PHE:CE2	14:Y:804:CLA:HED1	2.39	0.58
1:Y:66:GLU:HB2	1:Y:187:LEU:HB2	1.85	0.58
14:Y:841:CLA:HMD3	17:Y:852:BCR:H383	1.84	0.58
2:Z:586:MET:O	2:Z:590:LEU:HG	2.03	0.58
1:A:565:LEU:O	1:A:583:ARG:NE	2.37	0.57
2:B:162:PRO:HG2	2:B:167:PHE:CZ	2.39	0.57
2:B:455:GLN:HB3	2:B:457:LEU:HD21	1.86	0.57
6:F:69:LEU:HD23	17:F:201:BCR:H312	1.86	0.57
2:H:373:ALA:HB1	14:H:827:CLA:HMA3	1.84	0.57
5:P:33:LYS:O	5:P:35:PRO:HD3	2.03	0.57
1:Y:16:VAL:HG11	1:Y:183:ARG:HB3	1.86	0.57
14:Y:818:CLA:C4	14:Y:833:CLA:HAA2	2.34	0.57
14:Y:828:CLA:H192	14:Z:802:CLA:H162	1.85	0.57
1:A:106:ASP:O	1:A:110:ILE:HG22	2.04	0.57
14:B:828:CLA:H142	19:B:848:LMG:H232	1.86	0.57
4:D:81:LYS:HB3	4:D:93:LEU:CD2	2.34	0.57
2:H:110:ASN:HB3	7:R:3:GLY:HA2	1.86	0.57
2:H:153:TRP:HH2	14:H:851:CLA:O2D	1.87	0.57
1:Y:590:SER:OG	1:Y:593:ASP:N	2.33	0.57
14:Y:821:CLA:CMD	14:Y:822:CLA:HAB	2.34	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:503:TRP:CE3	14:B:816:CLA:H2	2.38	0.57
17:Q:201:BCR:H331	17:Q:201:BCR:C8	2.35	0.57
17:A:848:BCR:H321	17:A:848:BCR:HC8	1.86	0.57
2:B:138:ALA:O	2:B:142:LEU:HD13	2.04	0.57
2:B:636:GLN:HE22	2:B:738:LYS:HB2	1.70	0.57
1:G:442:SER:HB3	2:H:687:ALA:HB2	1.87	0.57
14:G:821:CLA:CGA	21:G:901:HOH:O	2.52	0.57
11:M:28:GLU:O	11:M:31:LYS:HG3	2.04	0.57
9:T:73:VAL:O	9:T:77:LEU:HD13	2.03	0.57
2:Z:200:GLU:OE1	2:Z:205:HIS:CD2	2.57	0.57
14:Z:801:CLA:HMA2	14:Z:801:CLA:C2	2.35	0.57
1:G:395:THR:OG1	14:G:828:CLA:HMB2	2.04	0.57
14:G:826:CLA:HAB	17:G:848:BCR:H311	1.85	0.57
2:H:99:ALA:O	2:H:103:PHE:HD2	1.88	0.57
2:H:459:GLU:HG3	6:Q:5:LEU:HD11	1.86	0.57
10:U:35:PRO:HG2	14:U:1003:CLA:HED2	1.86	0.57
1:Y:199:HIS:O	1:Y:203:GLY:N	2.30	0.57
17:Z:846:BCR:H23C	17:Z:846:BCR:C40	2.30	0.57
2:B:385:LEU:HD21	14:B:805:CLA:H142	1.86	0.57
2:B:413:ARG:HD3	14:B:829:CLA:OBD	2.05	0.57
2:B:477:PHE:O	2:B:479:THR:HG23	2.04	0.57
14:B:802:CLA:H111	17:B:847:BCR:H362	1.85	0.57
14:B:805:CLA:H203	14:B:826:CLA:H143	1.86	0.57
2:H:304:MET:HE3	14:H:823:CLA:O1D	2.04	0.57
17:J:103:BCR:H321	17:J:103:BCR:HC8	1.85	0.57
16:Y:843:SF4:FE1	2:Z:574:CYS:HG	1.19	0.57
17:Z:850:BCR:H391	8:f:33:TYR:CD1	2.39	0.57
3:a:3:THR:OG1	3:a:67:TYR:HB2	2.05	0.57
14:G:832:CLA:H143	15:H:841:PQN:H201	1.87	0.57
2:H:588:TRP:HH2	14:H:802:CLA:HAB	1.69	0.57
2:Z:663:TRP:CE2	14:Z:803:CLA:HMA3	2.40	0.57
14:h:205:CLA:HMA3	14:h:206:CLA:HBC1	1.87	0.57
11:i:4:THR:H	11:i:7:GLN:HE21	1.53	0.57
1:A:348:LEU:CD1	14:A:826:CLA:HMC2	2.35	0.57
1:A:601:TRP:CH2	14:A:803:CLA:CAB	2.88	0.57
1:A:675:LEU:HD11	14:A:829:CLA:H143	1.87	0.57
14:A:834:CLA:HED2	14:A:835:CLA:HMA2	1.87	0.57
2:B:318:PHE:H	14:B:821:CLA:C3B	2.18	0.57
14:B:822:CLA:HBA2	17:B:845:BCR:H14C	1.85	0.57
14:G:806:CLA:CED	14:G:830:CLA:H52	2.35	0.57
2:H:582:PHE:CE1	14:H:829:CLA:HHD	2.40	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:690:LEU:HB3	2:Z:671:ILE:HG12	1.87	0.57
1:A:153:THR:HG23	1:A:233:ALA:HB1	1.87	0.57
1:A:371:ALA:HB2	1:A:397:HIS:HB2	1.85	0.57
1:A:650:LEU:HD23	2:B:638:ILE:HD11	1.86	0.57
2:B:18:ARG:HH12	3:C:71:GLU:HB2	1.67	0.57
1:G:369:ILE:HG12	14:G:826:CLA:HED3	1.86	0.57
14:G:802:CLA:H142	17:G:849:BCR:C40	2.29	0.57
14:G:803:CLA:O1A	14:G:803:CLA:HMA2	2.05	0.57
2:H:166:TRP:CD1	14:H:812:CLA:HED2	2.39	0.57
2:Z:136:GLN:HE22	2:Z:208:TRP:HE1	1.52	0.57
1:A:89:GLY:C	1:A:90:MET:HE2	2.30	0.57
1:G:21:VAL:HG23	1:G:181:HIS:HA	1.86	0.57
17:G:849:BCR:H382	14:H:832:CLA:HBB2	1.87	0.57
14:Y:808:CLA:C3D	14:Y:828:CLA:HBA1	2.34	0.57
2:Z:28:HIS:ND1	14:Z:807:CLA:O1A	2.31	0.57
10:h:50:VAL:HG12	10:h:124:PHE:HD2	1.70	0.57
1:A:204:LEU:HD13	14:A:814:CLA:HHB	1.86	0.56
1:A:237:PRO:HG3	1:A:248:LEU:HD21	1.87	0.56
1:A:346:GLU:O	1:A:350:THR:OG1	2.16	0.56
14:A:829:CLA:H93	17:J:103:BCR:H361	1.87	0.56
17:A:849:BCR:H403	17:A:849:BCR:H23C	1.87	0.56
2:B:136:GLN:NE2	2:B:208:TRP:HE1	2.02	0.56
2:B:239:ALA:HA	2:B:262:PRO:HG2	1.87	0.56
3:C:4:VAL:O	3:C:5:LYS:HD3	2.05	0.56
1:G:152:ILE:HA	14:G:814:CLA:CED	2.35	0.56
14:G:818:CLA:H42	14:G:827:CLA:HAB	1.87	0.56
17:G:845:BCR:H382	17:T:102:BCR:H323	1.85	0.56
2:H:54:ALA:CB	2:H:149:LEU:HG	2.35	0.56
14:L:204:CLA:H193	10:U:91:ALA:HB2	1.86	0.56
6:Q:101:ILE:HG13	8:S:14:LEU:HD12	1.87	0.56
9:T:35:GLN:O	9:T:36:SER:OG	2.19	0.56
10:U:92:CYS:SG	14:Z:841:CLA:H151	2.45	0.56
1:Y:425:ASN:O	1:Y:431:ASP:HB2	2.05	0.56
1:Y:486:PHE:O	1:Y:490:VAL:HG23	2.06	0.56
14:A:836:CLA:HBB1	14:A:836:CLA:HMB1	1.86	0.56
1:G:255:LYS:CE	1:G:274:ALA:HA	2.35	0.56
2:H:640:GLY:HA2	2:H:647:ASN:HD21	1.70	0.56
10:L:35:PRO:CG	14:L:205:CLA:HED2	2.34	0.56
6:Q:94:ALA:O	6:Q:98:GLU:HG3	2.05	0.56
1:Y:337:THR:HG1	18:Y:851:LHG:HC32	1.68	0.56
1:Y:487:ALA:O	1:Y:491:GLN:HG3	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:498:VAL:HG11	14:Z:817:CLA:HED2	1.87	0.56
4:b:82:ILE:HG22	4:b:94:ILE:HD11	1.87	0.56
1:A:685:PHE:CA	14:A:802:CLA:HAB	2.34	0.56
14:A:809:CLA:H91	14:A:812:CLA:H191	1.87	0.56
14:A:840:CLA:CHB	15:A:844:PQN:H242	2.35	0.56
2:B:582:PHE:HE1	14:B:828:CLA:HAC2	1.69	0.56
17:B:846:BCR:H321	17:B:846:BCR:C8	2.36	0.56
3:C:34:LYS:NZ	5:E:27:ASP:OD1	2.38	0.56
1:G:552:ILE:CD1	14:G:852:CLA:HMD2	2.35	0.56
14:G:802:CLA:H152	14:G:840:CLA:HBB1	1.87	0.56
2:H:175:ASN:CG	2:H:287:GLY:O	2.48	0.56
2:H:343:CYS:HB3	14:H:824:CLA:H42	1.87	0.56
2:H:704:VAL:HG11	3:N:76:MET:HE2	1.86	0.56
14:H:806:CLA:H93	14:H:806:CLA:C19	2.36	0.56
14:U:1006:CLA:HHB	2:Z:691:THR:HG22	1.86	0.56
1:Y:163:ILE:O	1:Y:167:VAL:HG13	2.05	0.56
1:Y:417:VAL:HG21	1:Y:574:PHE:HB2	1.86	0.56
1:Y:604:ASN:O	1:Y:608:VAL:HG23	2.05	0.56
1:Y:626:ALA:HB3	1:Y:630:THR:OG1	2.04	0.56
14:Y:804:CLA:H2	14:Y:811:CLA:H92	1.86	0.56
14:Y:804:CLA:CHB	14:Y:811:CLA:H93	2.34	0.56
17:Y:844:BCR:H23C	17:Y:844:BCR:C38	2.33	0.56
17:Y:848:BCR:H382	17:Y:848:BCR:H23C	1.86	0.56
2:Z:391:ALA:O	2:Z:395:ILE:HG13	2.05	0.56
2:Z:421:ILE:HG23	14:Z:839:CLA:HBB2	1.87	0.56
2:Z:630:LEU:O	2:Z:634:SER:OG	2.17	0.56
2:Z:707:SER:H	2:Z:710:GLN:HE21	1.53	0.56
3:a:16:CYS:HB3	16:a:102:SF4:S4	2.45	0.56
1:A:50:ASN:ND2	5:E:50:GLY:O	2.38	0.56
1:G:682:ILE:HD11	1:G:737:LEU:HB3	1.86	0.56
14:G:819:CLA:H192	14:G:827:CLA:H42	1.87	0.56
17:G:849:BCR:H23C	17:G:849:BCR:C40	2.30	0.56
2:H:555:ASP:CG	3:N:65:ARG:HH12	2.13	0.56
1:Y:308:PHE:CE1	14:Y:821:CLA:HAB	2.40	0.56
1:A:647:ASN:HB2	2:B:657:LEU:HD11	1.88	0.56
2:B:193:LEU:HA	2:B:197:ALA:CB	2.34	0.56
2:B:721:VAL:HG12	19:B:848:LMG:H412	1.87	0.56
2:B:724:ILE:HD13	14:B:826:CLA:CMC	2.36	0.56
17:H:850:BCR:H391	8:S:33:TYR:CD1	2.41	0.56
17:R:101:BCR:H331	17:R:101:BCR:HC8	1.86	0.56
1:Y:106:ASP:O	1:Y:110:ILE:HB	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:117:VAL:HG22	1:Y:127:ASN:HD21	1.68	0.56
2:Z:72:ASN:O	2:Z:76:TRP:HB2	2.06	0.56
14:Z:804:CLA:H3A	14:Z:804:CLA:CGA	2.35	0.56
6:d:100:ILE:HG12	8:f:10:THR:HG22	1.86	0.56
11:i:27:THR:O	11:i:30:TYR:HB3	2.06	0.56
1:A:19:ASP:HA	1:A:181:HIS:O	2.04	0.56
4:D:73:ARG:N	4:D:74:PRO:HD2	2.21	0.56
10:L:130:GLY:HA2	17:h:202:BCR:H281	1.88	0.56
1:Y:279:LEU:HD22	1:Y:299:HIS:HA	1.87	0.56
1:Y:446:TRP:HD1	14:Y:841:CLA:O1A	1.88	0.56
1:Y:471:PRO:HA	1:Y:474:MET:HE3	1.86	0.56
6:d:8:CYS:O	6:d:11:SER:OG	2.24	0.56
15:A:844:PQN:H141	15:A:844:PQN:H172	1.87	0.56
2:B:554:PRO:HD2	3:C:61:PHE:CZ	2.40	0.56
2:H:680:LEU:O	2:H:683:THR:OG1	2.21	0.56
1:Y:141:SER:OG	14:Y:828:CLA:HED1	2.05	0.56
2:Z:235:ASN:HD21	2:Z:251:THR:HG23	1.69	0.56
2:Z:320:MET:HB2	2:Z:322:HIS:CE1	2.40	0.56
2:Z:466:ILE:HG22	2:Z:470:HIS:NE2	2.21	0.56
2:Z:647:ASN:ND2	2:Z:649:LEU:H	2.03	0.56
1:A:193:VAL:HG21	1:A:349:THR:HG22	1.87	0.56
14:B:809:CLA:H151	17:h:202:BCR:H362	1.88	0.56
5:E:9:ILE:HG22	5:E:11:ARG:H	1.71	0.56
14:G:822:CLA:HED1	9:T:37:ARG:HG2	1.88	0.56
1:Y:213:ALA:HA	1:Y:216:GLN:HB2	1.87	0.56
14:Y:838:CLA:C2B	14:d:201:CLA:H41	2.36	0.56
3:a:6:ILE:O	4:b:115:VAL:N	2.37	0.56
1:A:121:VAL:HG22	14:B:832:CLA:CMD	2.36	0.56
1:A:200:HIS:HE1	14:A:814:CLA:NA	2.03	0.56
1:A:255:LYS:NZ	1:A:276:SER:OG	2.38	0.56
14:B:824:CLA:CMA	17:B:846:BCR:H14C	2.35	0.56
6:F:54:ASP:OD2	6:F:56:ARG:NE	2.39	0.56
14:G:806:CLA:HED1	14:G:830:CLA:H2	1.88	0.56
2:H:336:GLN:O	2:H:340:HIS:ND1	2.39	0.56
14:H:809:CLA:HMA2	14:H:810:CLA:HAB	1.87	0.56
14:Z:826:CLA:HMA3	17:Z:847:BCR:H14C	1.86	0.56
1:A:542:HIS:HE1	1:A:612:HIS:ND1	2.04	0.56
2:Z:475:TYR:HB3	6:d:3:ALA:HA	1.88	0.56
14:Z:826:CLA:CMA	17:Z:847:BCR:H14C	2.35	0.56
17:h:202:BCR:H363	14:h:204:CLA:HBA2	1.88	0.56
3:C:24:VAL:HG21	3:C:47:CYS:HA	1.87	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:366:LEU:HD11	14:G:819:CLA:H72	1.87	0.55
2:H:443:ASN:HB3	2:H:455:GLN:HE21	1.71	0.55
2:H:582:PHE:HE1	14:H:829:CLA:HAC2	1.70	0.55
6:Q:110:MET:HB2	14:Q:202:CLA:OBD	2.06	0.55
17:S:1105:BCR:H403	17:S:1105:BCR:C23	2.34	0.55
1:Y:118:TRP:CG	17:Y:853:BCR:HC21	2.40	0.55
1:Y:300:HIS:O	1:Y:304:ILE:HG12	2.06	0.55
1:Y:379:PRO:HG3	14:Y:819:CLA:HBA2	1.88	0.55
2:Z:306:ALA:O	2:Z:316:GLY:HA2	2.05	0.55
14:Z:834:CLA:ND	14:Z:835:CLA:HAB	2.21	0.55
14:A:804:CLA:H8	8:J:16:ALA:HA	1.86	0.55
2:B:173:ARG:HE	14:B:804:CLA:H143	1.70	0.55
2:B:361:TYR:CE2	14:B:827:CLA:HED2	2.42	0.55
2:B:634:SER:O	2:B:638:ILE:HB	2.06	0.55
17:T:102:BCR:H331	17:T:102:BCR:C8	2.35	0.55
14:Y:825:CLA:HMC3	14:Y:825:CLA:HBC3	1.88	0.55
17:Y:845:BCR:H403	17:Y:845:BCR:H23C	1.88	0.55
2:Z:67:VAL:CG1	2:Z:123:TRP:HZ3	2.08	0.55
2:Z:390:PHE:CZ	14:Z:826:CLA:HAB	2.42	0.55
14:A:839:CLA:O1A	14:B:831:CLA:O2D	2.24	0.55
2:B:383:GLY:O	2:B:589:MET:HG3	2.06	0.55
2:B:713:LEU:HD11	19:B:848:LMG:H331	1.88	0.55
4:D:131:THR:C	4:D:133:LYS:H	2.13	0.55
17:Y:853:BCR:H321	17:Y:853:BCR:C8	2.35	0.55
9:g:59:LEU:CB	21:g:201:HOH:O	2.42	0.55
14:A:802:CLA:H3A	14:A:802:CLA:CGA	2.34	0.55
2:B:200:GLU:CD	2:B:205:HIS:HA	2.32	0.55
1:G:473:ASP:HA	10:h:69:ARG:NH2	2.21	0.55
14:G:852:CLA:HMB3	14:G:852:CLA:H52	1.88	0.55
2:H:627:ARG:HA	2:H:631:TRP:HB3	1.88	0.55
3:N:40:SER:OG	4:O:112:VAL:N	2.40	0.55
2:Z:665:THR:HA	14:Z:804:CLA:HAB	1.87	0.55
17:Z:850:BCR:HC8	17:Z:850:BCR:C33	2.35	0.55
1:A:120:ILE:O	1:A:121:VAL:HG12	2.06	0.55
2:B:528:ALA:HB2	14:B:801:CLA:H172	1.89	0.55
1:G:361:ALA:O	1:G:365:SER:OG	2.21	0.55
2:H:119:VAL:HG22	2:H:123:TRP:CE2	2.42	0.55
2:H:582:PHE:C	2:H:582:PHE:CD2	2.85	0.55
2:H:662:VAL:HG11	2:H:721:VAL:HG23	1.88	0.55
14:H:825:CLA:C9	17:H:846:BCR:H333	2.28	0.55
9:K:65:PHE:HA	9:K:68:LEU:CD2	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:N:65:ARG:HB3	3:N:67:TYR:CE2	2.42	0.55
14:Y:838:CLA:H93	14:d:201:CLA:O2A	2.06	0.55
2:Z:156:LEU:HD11	11:i:29:LEU:HD23	1.87	0.55
2:Z:176:HIS:HB3	14:Z:814:CLA:CAB	2.37	0.55
14:Z:840:CLA:HAB	15:Z:842:PQN:H193	1.88	0.55
2:B:79:ASP:OD1	2:B:81:VAL:HG22	2.07	0.55
6:F:58:SER:HB3	21:F:305:HOH:O	2.07	0.55
1:G:392:SER:HB3	14:G:828:CLA:HMA3	1.88	0.55
14:Y:809:CLA:HMB3	17:f:103:BCR:C10	2.36	0.55
6:d:11:SER:OG	6:d:14:PHE:CB	2.49	0.55
1:A:304:ILE:HD11	14:A:819:CLA:HBC2	1.87	0.55
14:A:802:CLA:HBB1	14:A:854:CLA:C4B	2.37	0.55
14:A:823:CLA:HBC2	17:A:846:BCR:H23C	1.88	0.55
2:B:304:MET:CG	2:B:325:ILE:HG22	2.36	0.55
2:B:374:LEU:HD11	14:B:827:CLA:HED3	1.88	0.55
1:G:743:THR:HG22	13:G:801:CL0:OBD	2.07	0.55
1:G:748:LEU:HA	1:G:751:ILE:HG22	1.88	0.55
14:G:804:CLA:HAA1	14:G:811:CLA:H2	1.89	0.55
7:I:21:LEU:HD13	14:h:206:CLA:H141	1.87	0.55
14:U:1003:CLA:HBB1	14:U:1007:CLA:H111	1.89	0.55
17:U:1008:BCR:H392	17:U:1008:BCR:H23C	1.89	0.55
1:Y:207:LEU:HD13	17:Y:846:BCR:C10	2.37	0.55
1:Y:433:VAL:HA	1:Y:436:HIS:CE1	2.42	0.55
2:Z:38:GLU:CD	2:Z:164:LEU:HD21	2.32	0.55
2:Z:663:TRP:CD2	14:Z:803:CLA:HMA3	2.41	0.55
2:B:194:ILE:HD11	2:B:254:LEU:HD21	1.89	0.55
2:B:325:ILE:HA	2:B:328:THR:HG22	1.87	0.55
2:B:427:TRP:CD1	14:B:831:CLA:HED2	2.42	0.55
2:B:503:TRP:CZ3	14:B:816:CLA:H2	2.42	0.55
2:H:642:ASN:HB2	2:H:643:PRO:HD2	1.88	0.55
1:Y:642:SER:OG	1:Y:652:ASP:OD2	2.22	0.55
1:Y:661:VAL:HG22	1:Y:749:ALA:HB3	1.88	0.55
2:B:626:LEU:O	2:B:630:LEU:HB2	2.07	0.55
3:C:22:THR:OG1	3:C:24:VAL:HG23	2.07	0.55
1:G:114:ALA:HB3	1:G:139:ILE:HG21	1.89	0.55
1:G:405:VAL:HB	14:G:826:CLA:HBC2	1.88	0.55
1:G:429:VAL:HG13	14:G:831:CLA:HMD2	1.88	0.55
1:G:587:CYS:SG	2:H:673:TRP:HB3	2.46	0.55
1:G:650:LEU:HD23	2:H:638:ILE:HD11	1.88	0.55
14:G:833:CLA:H151	14:G:837:CLA:H193	1.88	0.55
2:H:33:HIS:HE1	14:H:804:CLA:HED1	1.72	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:64:LEU:HB2	2:H:138:ALA:HB2	1.89	0.55
2:H:219:ALA:HB1	2:H:223:PRO:HG2	1.88	0.55
2:H:300:ILE:HG23	14:H:819:CLA:HED3	1.89	0.55
2:H:602:TRP:CG	2:H:629:TYR:HB2	2.42	0.55
14:H:807:CLA:HHB	14:H:808:CLA:HMB3	1.89	0.55
14:H:815:CLA:C1C	17:H:842:BCR:H312	2.36	0.55
17:L:207:BCR:H392	17:L:207:BCR:H23C	1.88	0.55
1:Y:211:ALA:HB2	17:Y:845:BCR:H363	1.89	0.55
14:Y:817:CLA:H42	14:g:102:CLA:CED	2.36	0.55
2:Z:467:GLN:NE2	2:Z:515:PHE:HB3	2.21	0.55
2:Z:623:MET:O	2:Z:627:ARG:HB3	2.06	0.55
10:h:130:GLY:CA	17:h:202:BCR:H383	2.35	0.55
1:A:317:THR:HG21	14:A:821:CLA:CGD	2.36	0.55
1:A:451:LEU:HD21	14:A:837:CLA:HAB	1.87	0.55
14:A:830:CLA:HMD1	14:A:830:CLA:H92	1.87	0.55
1:G:681:PHE:CD1	17:G:849:BCR:H363	2.41	0.55
6:Q:46:ASP:OD2	6:Q:50:HIS:NE2	2.40	0.55
17:Y:852:BCR:H401	14:Z:804:CLA:CGD	2.37	0.55
10:h:131:SER:HA	10:h:134:VAL:HG22	1.88	0.55
12:j:28:ALA:HB1	12:j:34:LEU:HD12	1.89	0.55
2:B:45:ILE:HG21	14:B:804:CLA:H201	1.89	0.54
14:G:803:CLA:OBD	14:H:803:CLA:CMB	2.54	0.54
7:R:13:ILE:C	7:R:16:PRO:HD2	2.32	0.54
10:U:115:GLU:O	10:U:118:SER:OG	2.21	0.54
1:Y:539:HIS:CG	14:Y:836:CLA:HED2	2.41	0.54
2:Z:139:ILE:O	2:Z:142:LEU:HB2	2.08	0.54
6:d:67:SER:O	6:d:71:LEU:HG	2.07	0.54
2:B:651:VAL:HG21	14:B:807:CLA:HAC1	1.88	0.54
2:B:693:LEU:HD23	10:L:37:TYR:HE2	1.73	0.54
2:H:339:TRP:HE1	14:H:824:CLA:C3B	2.20	0.54
10:U:59:ILE:O	10:U:63:VAL:HG23	2.07	0.54
17:U:1008:BCR:HC8	17:U:1008:BCR:C33	2.33	0.54
1:Y:544:PHE:O	1:Y:548:VAL:HG23	2.07	0.54
1:Y:681:PHE:CG	17:Y:849:BCR:H363	2.41	0.54
14:Y:823:CLA:HBD	14:Y:823:CLA:HAA1	1.89	0.54
1:A:661:VAL:HG11	1:A:746:PHE:HA	1.89	0.54
2:B:491:ALA:HA	14:B:834:CLA:HMD2	1.89	0.54
1:G:449:ILE:HA	14:G:852:CLA:CGA	2.38	0.54
7:I:21:LEU:HD12	14:h:204:CLA:H202	1.89	0.54
3:N:4:VAL:HG21	16:N:101:SF4:S1	2.48	0.54
17:U:1005:BCR:C23	17:U:1005:BCR:H403	2.36	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
13:Y:801:CL0:H8	13:Y:801:CL0:CGD	2.37	0.54
14:Y:805:CLA:H151	17:Y:845:BCR:H323	1.88	0.54
2:Z:665:THR:HG22	14:Z:804:CLA:HMB1	1.90	0.54
17:d:203:BCR:H383	17:d:203:BCR:H23C	1.88	0.54
2:B:426:SER:O	2:B:430:LEU:HB2	2.06	0.54
14:B:837:CLA:H93	14:B:838:CLA:HBC1	1.89	0.54
1:G:309:ILE:O	1:G:313:HIS:ND1	2.34	0.54
1:G:438:ASP:O	1:G:442:SER:N	2.39	0.54
14:G:820:CLA:HBB2	17:G:845:BCR:H401	1.88	0.54
14:G:852:CLA:HAB	2:H:665:THR:CA	2.36	0.54
2:H:325:ILE:HA	2:H:328:THR:HG22	1.89	0.54
2:H:692:PRO:O	2:H:694:ALA:N	2.38	0.54
14:H:831:CLA:CGA	17:Q:201:BCR:H353	2.38	0.54
14:H:837:CLA:CMA	14:H:838:CLA:HED2	2.36	0.54
8:S:21:ILE:HA	14:S:1102:CLA:HBB2	1.90	0.54
14:Y:830:CLA:H191	14:Z:801:CLA:H201	1.90	0.54
2:Z:79:ASP:OD1	2:Z:81:VAL:HG22	2.07	0.54
2:Z:372:ALA:O	2:Z:376:THR:OG1	2.22	0.54
6:d:9:LYS:NZ	6:d:10:ASP:OD2	2.40	0.54
10:h:49:GLU:OE1	14:h:204:CLA:HED2	2.08	0.54
14:A:809:CLA:H112	14:A:831:CLA:H203	1.89	0.54
17:A:846:BCR:H281	9:K:35:GLN:HE22	1.73	0.54
14:B:814:CLA:HMA1	17:B:844:BCR:C10	2.38	0.54
1:G:210:LEU:HD22	14:G:815:CLA:HAB	1.90	0.54
1:G:718:GLN:NE2	5:P:15:TYR:OH	2.41	0.54
14:G:820:CLA:CMA	9:T:61:ALA:HB2	2.38	0.54
2:H:194:ILE:HG12	2:H:253:ILE:HB	1.90	0.54
14:L:204:CLA:HBA2	17:L:208:BCR:H363	1.90	0.54
4:O:95:HIS:O	4:O:97:LYS:N	2.40	0.54
1:Y:713:VAL:O	6:d:85:LEU:HD13	2.07	0.54
17:Y:846:BCR:H23C	17:Y:846:BCR:H383	1.89	0.54
2:Z:189:TRP:CZ3	2:Z:192:HIS:CD2	2.95	0.54
2:Z:443:ASN:O	2:Z:447:VAL:HG23	2.07	0.54
2:Z:664:ALA:C	14:Z:804:CLA:HAB	2.32	0.54
1:A:125:ILE:HG23	1:A:126:LEU:HD23	1.88	0.54
14:B:831:CLA:CAB	14:B:832:CLA:CMB	2.86	0.54
1:G:737:LEU:HD13	18:G:850:LHG:H371	1.89	0.54
14:G:806:CLA:C19	14:G:806:CLA:H93	2.38	0.54
14:G:808:CLA:HBB1	14:G:809:CLA:C3D	2.38	0.54
2:H:446:VAL:HG21	2:H:454:LYS:HB2	1.87	0.54
2:H:456:ILE:HG22	2:H:458:ILE:HD11	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:497:ASN:O	2:H:499:TRP:CD2	2.61	0.54
9:K:32:TYR:O	9:K:32:TYR:CG	2.61	0.54
17:Q:203:BCR:H331	17:Q:203:BCR:C8	2.38	0.54
12:W:13:THR:O	12:W:17:VAL:HG22	2.07	0.54
1:Y:313:HIS:O	14:Y:820:CLA:HED1	2.08	0.54
4:b:131:THR:C	4:b:133:LYS:H	2.15	0.54
10:h:33:ASN:HB3	14:h:204:CLA:HAC1	1.88	0.54
11:i:9:TYR:HB3	17:i:101:BCR:H401	1.89	0.54
1:A:730:VAL:HG21	14:A:841:CLA:HMD2	1.89	0.54
2:B:73:PHE:O	2:B:77:VAL:HG23	2.08	0.54
14:B:824:CLA:HAA2	14:B:825:CLA:OBD	2.07	0.54
1:G:407:GLY:O	1:G:410:ALA:HB3	2.07	0.54
14:G:831:CLA:O1D	10:h:5:VAL:HG11	2.08	0.54
2:H:10:ASP:HB3	3:N:70:ALA:HB2	1.89	0.54
1:A:744:TRP:CD2	17:A:851:BCR:H313	2.43	0.54
14:B:807:CLA:CGA	14:B:807:CLA:C1A	2.86	0.54
6:F:59:ARG:HB3	6:F:62:ASP:CG	2.32	0.54
1:G:226:LEU:HA	1:G:229:ALA:HB3	1.90	0.54
1:G:337:THR:HG21	18:G:851:LHG:HC32	1.90	0.54
14:G:838:CLA:HMC2	14:h:201:CLA:HBC2	1.89	0.54
2:H:200:GLU:HG2	2:H:205:HIS:HA	1.90	0.54
2:H:453:GLU:HA	6:Q:48:LEU:HD22	1.89	0.54
14:H:806:CLA:H162	14:H:828:CLA:HBB2	1.88	0.54
10:L:19:THR:OG1	10:L:20:PRO:HD2	2.08	0.54
10:L:34:LEU:HD22	14:L:204:CLA:HBB1	1.90	0.54
17:Q:201:BCR:H331	17:Q:201:BCR:HC8	1.89	0.54
10:U:43:PRO:HB2	10:U:119:GLN:HB2	1.90	0.54
11:i:4:THR:HG22	11:i:7:GLN:NE2	2.23	0.54
2:B:242:VAL:HG13	2:B:263:GLN:HE22	1.72	0.54
2:H:592:THR:O	2:H:596:VAL:HG23	2.08	0.54
1:Y:704:ILE:HD13	14:Y:838:CLA:HMD2	1.89	0.54
1:A:682:ILE:HD11	14:A:841:CLA:HMB2	1.88	0.54
14:A:833:CLA:H93	14:B:839:CLA:H52	1.89	0.54
2:B:573:THR:O	2:B:576:ILE:HB	2.08	0.54
14:G:802:CLA:O1D	17:Q:201:BCR:H391	2.08	0.54
14:H:807:CLA:HAA2	14:H:809:CLA:HED1	1.88	0.54
6:Q:70:PHE:HD1	17:Q:201:BCR:H343	1.73	0.54
17:U:1005:BCR:HC8	17:U:1005:BCR:C33	2.33	0.54
1:Y:149:ALA:HB2	1:Y:381:PRO:HD2	1.90	0.54
1:Y:471:PRO:HA	1:Y:474:MET:CE	2.37	0.54
2:Z:17:THR:HG21	14:Z:840:CLA:HBB1	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:820:CLA:O2D	14:Z:824:CLA:O2D	2.24	0.54
1:A:217:ILE:HA	1:A:221:LEU:HD12	1.90	0.53
1:A:374:MET:HE3	14:A:820:CLA:HBA1	1.91	0.53
1:A:592:TRP:CD1	14:A:831:CLA:HMD1	2.43	0.53
14:A:831:CLA:C19	14:A:854:CLA:H191	2.37	0.53
1:G:207:LEU:HD22	17:G:845:BCR:H361	1.89	0.53
1:G:221:LEU:HD13	1:G:278:PHE:HB2	1.89	0.53
1:G:569:LYS:NZ	2:H:679:GLU:OE2	2.38	0.53
15:G:843:PQN:H241	15:G:843:PQN:H271	1.90	0.53
2:H:338:GLY:HA2	2:H:389:ALA:HA	1.89	0.53
2:H:467:GLN:HG2	2:H:515:PHE:HB3	1.90	0.53
3:N:16:CYS:HB2	16:N:102:SF4:S4	2.48	0.53
14:U:1007:CLA:H193	17:U:1008:BCR:C38	2.38	0.53
1:Y:141:SER:OG	14:Y:808:CLA:O1D	2.25	0.53
4:b:31:TRP:CD1	4:b:77:ILE:HD13	2.43	0.53
14:A:839:CLA:HED2	2:B:423:SER:O	2.08	0.53
2:B:105:GLN:NE2	2:B:114:ILE:HD11	2.24	0.53
14:B:803:CLA:HMB1	14:B:803:CLA:HBB1	1.90	0.53
14:B:806:CLA:H42	14:B:806:CLA:CHD	2.38	0.53
5:E:34:TYR:CD2	5:E:61:ALA:HB2	2.43	0.53
1:G:319:TRP:HB3	9:T:58:GLU:CD	2.32	0.53
14:H:827:CLA:H142	14:H:829:CLA:H151	1.91	0.53
10:U:142:PHE:HD1	14:U:1004:CLA:H43	1.73	0.53
2:Z:328:THR:OG1	2:Z:406:ASN:OD1	2.24	0.53
1:A:216:GLN:NE2	1:A:298:ALA:HA	2.23	0.53
1:A:579:ASP:OD2	3:C:52:ARG:NH2	2.40	0.53
1:G:168:MET:HE3	14:G:805:CLA:H202	1.90	0.53
1:G:384:ALA:HB1	1:G:525:ALA:O	2.09	0.53
1:G:651:ARG:HB2	2:H:638:ILE:HG13	1.90	0.53
14:G:804:CLA:HBA1	14:G:811:CLA:ND	2.24	0.53
14:G:809:CLA:CMB	14:G:809:CLA:HBB1	2.37	0.53
2:H:525:VAL:HG11	2:H:599:TYR:HB2	1.90	0.53
14:H:809:CLA:H142	19:H:848:LMG:H221	1.90	0.53
14:H:830:CLA:O1A	18:H:849:LHG:H241	2.08	0.53
9:K:24:LEU:HD22	9:K:70:ALA:CA	2.37	0.53
3:N:64:ILE:HB	16:N:102:SF4:S3	2.48	0.53
8:S:15:ALA:O	8:S:19:MET:HB2	2.08	0.53
2:Z:52:HIS:CE1	14:Z:806:CLA:HMA2	2.44	0.53
11:i:22:ALA:O	11:i:26:SER:HB3	2.08	0.53
1:A:575:ARG:NH1	18:A:852:LHG:O2	2.41	0.53
2:B:200:GLU:OE2	2:B:205:HIS:CE1	2.61	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D:116:PRO:C	4:D:117:ARG:HG3	2.33	0.53
2:H:368:HIS:HB3	2:H:608:TRP:CZ3	2.43	0.53
2:H:589:MET:O	2:H:593:ILE:HG12	2.09	0.53
2:H:726:THR:HB	14:H:803:CLA:O1D	2.09	0.53
6:Q:55:GLY:HA2	6:Q:64:LEU:HD21	1.89	0.53
1:Y:201:LEU:HD21	14:Y:821:CLA:C3B	2.38	0.53
14:Y:827:CLA:HED1	14:Y:833:CLA:HAB	1.90	0.53
2:Z:166:TRP:CZ2	14:Z:812:CLA:HMA1	2.43	0.53
6:d:40:GLN:C	6:d:59:ARG:HH12	2.17	0.53
1:G:249:MET:O	1:G:258:TRP:CD1	2.61	0.53
13:G:801:CL0:O1D	14:H:803:CLA:HBB2	2.09	0.53
14:G:837:CLA:H161	14:h:201:CLA:H172	1.91	0.53
2:H:21:TRP:CD1	2:H:710:GLN:HE22	2.26	0.53
2:H:338:GLY:O	2:H:389:ALA:HB1	2.08	0.53
17:Q:201:BCR:H333	8:S:26:LEU:HD21	1.89	0.53
1:Y:13:ARG:HG3	1:Y:15:VAL:HG23	1.90	0.53
1:Y:371:ALA:HB2	1:Y:397:HIS:HB2	1.91	0.53
2:Z:361:TYR:O	2:Z:364:ILE:HG22	2.08	0.53
2:Z:410:VAL:O	2:Z:414:VAL:HG23	2.09	0.53
2:Z:725:LEU:HD23	14:Z:828:CLA:H41	1.91	0.53
1:A:56:HIS:ND1	14:A:807:CLA:CGA	2.71	0.53
2:B:348:THR:HG21	2:B:381:ILE:HG22	1.90	0.53
6:F:25:THR:HG21	8:J:31:ARG:O	2.09	0.53
1:G:212:TRP:CD2	14:G:819:CLA:HMD1	2.43	0.53
1:G:297:THR:O	1:G:301:HIS:CD2	2.61	0.53
14:H:808:CLA:HAB	14:H:809:CLA:CAA	2.29	0.53
1:Y:145:GLN:HE21	1:Y:383:LEU:HA	1.73	0.53
2:Z:175:ASN:HB3	14:Z:821:CLA:HMD1	1.90	0.53
14:Z:816:CLA:HBB1	17:Z:844:BCR:H322	1.90	0.53
6:d:85:LEU:O	6:d:89:ARG:N	2.32	0.53
1:A:143:LEU:O	1:A:147:TRP:N	2.39	0.53
2:B:59:TRP:NE1	14:B:826:CLA:OBD	2.42	0.53
2:B:503:TRP:CE2	14:B:833:CLA:HED1	2.44	0.53
14:B:808:CLA:H93	14:B:828:CLA:H161	1.89	0.53
14:B:826:CLA:H102	19:B:848:LMG:H451	1.90	0.53
17:B:846:BCR:HC8	17:B:846:BCR:H311	1.91	0.53
13:G:801:CL0:O1D	13:G:801:CL0:H8	2.09	0.53
14:G:803:CLA:CAD	14:H:803:CLA:HMB1	2.38	0.53
10:L:149:MET:HA	2:Z:93:PRO:HB3	1.91	0.53
17:Q:201:BCR:C10	14:Q:202:CLA:HBB1	2.39	0.53
9:T:22:CYS:HA	9:T:25:PHE:HD1	1.74	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:104:LEU:HD23	1:Y:148:ARG:HD2	1.91	0.53
2:Z:139:ILE:HA	2:Z:142:LEU:HD12	1.90	0.53
1:A:706:TRP:CH2	2:B:420:ALA:HB2	2.43	0.53
2:B:30:PHE:CD2	14:B:804:CLA:HMC2	2.43	0.53
1:G:128:GLY:O	1:G:135:HIS:HA	2.09	0.53
1:G:197:LEU:HD11	14:G:821:CLA:HMA2	1.91	0.53
1:G:583:ARG:HH22	3:N:52:ARG:HH21	1.57	0.53
1:G:662:ILE:HD13	13:G:801:CL0:H22	1.91	0.53
2:H:441:VAL:HG22	14:H:802:CLA:H42	1.91	0.53
2:H:601:HIS:HD2	2:H:629:TYR:HE1	1.57	0.53
6:Q:73:ILE:O	6:Q:77:ILE:HG13	2.08	0.53
1:Y:605:CYS:O	1:Y:609:VAL:HG23	2.08	0.53
10:h:5:VAL:HA	10:h:18:SER:O	2.09	0.53
1:G:255:LYS:HE2	1:G:274:ALA:HA	1.90	0.53
1:G:682:ILE:HA	1:G:685:PHE:HB3	1.91	0.53
2:H:626:LEU:HD13	14:H:802:CLA:HED3	1.91	0.53
3:N:33:CYS:SG	3:N:35:ALA:HB3	2.48	0.53
14:Y:840:CLA:H93	15:Y:842:PQN:H252	1.91	0.53
2:Z:168:LYS:NZ	2:Z:331:ASN:HA	2.24	0.53
2:Z:343:CYS:HA	14:Z:827:CLA:H41	1.89	0.53
2:B:59:TRP:CE3	2:B:60:VAL:HG13	2.45	0.53
6:F:103:VAL:HB	6:F:104:PRO:HD3	1.91	0.53
14:G:833:CLA:HBA2	14:H:810:CLA:OBD	2.09	0.53
2:H:541:VAL:HG11	17:H:845:BCR:H281	1.90	0.53
2:H:725:LEU:HD11	14:H:829:CLA:H203	1.91	0.53
3:N:2:HIS:HB2	3:N:47:CYS:SG	2.49	0.53
10:U:61:PRO:HA	14:U:1004:CLA:HMB1	1.91	0.53
14:Y:825:CLA:HAA2	14:Y:825:CLA:HBD	1.91	0.53
2:Z:406:ASN:O	2:Z:412:ASP:HB2	2.09	0.53
2:Z:446:VAL:HG22	2:Z:451:THR:OG1	2.08	0.53
14:Z:828:CLA:CBC	19:Z:849:LMG:H422	2.39	0.53
1:A:391:LEU:HD11	1:A:614:SER:HB3	1.91	0.52
1:A:464:THR:HG22	1:A:468:PHE:CE2	2.44	0.52
2:B:133:ASP:OD2	2:B:205:HIS:NE2	2.23	0.52
2:H:380:TYR:HA	2:H:593:ILE:HG21	1.90	0.52
2:H:451:THR:HG22	6:Q:22:VAL:CG1	2.38	0.52
2:H:483:ASN:O	2:H:489:SER:OG	2.22	0.52
2:Z:663:TRP:CZ2	14:Z:803:CLA:HMA3	2.44	0.52
14:Z:810:CLA:CMB	14:Z:811:CLA:CHC	2.87	0.52
14:Z:826:CLA:C2B	17:Z:847:BCR:H363	2.39	0.52
1:A:13:ARG:HD2	1:A:15:VAL:HG22	1.90	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:587:CYS:O	2:B:675:GLY:HA3	2.08	0.52
2:B:254:LEU:HD11	14:B:814:CLA:CAC	2.39	0.52
2:B:447:VAL:HG11	2:B:621:TYR:CZ	2.44	0.52
1:G:38:LEU:HA	1:G:47:TRP:HE1	1.75	0.52
1:G:744:TRP:HB2	14:G:828:CLA:HBB1	1.91	0.52
2:H:361:TYR:O	2:H:364:ILE:HG22	2.09	0.52
1:A:86:TRP:HA	14:A:808:CLA:HBB2	1.90	0.52
1:A:583:ARG:HA	3:C:76:MET:C	2.34	0.52
14:A:827:CLA:CBB	17:A:850:BCR:H311	2.40	0.52
1:G:216:GLN:OE1	1:G:297:THR:OG1	2.23	0.52
17:U:1005:BCR:H392	17:U:1005:BCR:H23C	1.91	0.52
2:Z:663:TRP:CE3	14:Z:803:CLA:HMA3	2.44	0.52
14:Z:826:CLA:C10	17:Z:847:BCR:H333	2.38	0.52
6:d:54:ASP:OD2	12:j:30:TYR:OH	2.18	0.52
8:f:31:ARG:HH22	14:f:101:CLA:CGD	2.23	0.52
14:A:829:CLA:H8	17:A:851:BCR:H343	1.90	0.52
2:B:664:ALA:CB	14:B:802:CLA:HBB2	2.39	0.52
6:F:110:MET:HB3	14:F:202:CLA:HED2	1.92	0.52
2:H:552:LEU:HD23	2:H:576:ILE:HD12	1.90	0.52
14:H:809:CLA:H192	7:R:23:PRO:HA	1.91	0.52
17:I:102:BCR:H23C	17:I:102:BCR:C39	2.38	0.52
17:Q:203:BCR:H331	17:Q:203:BCR:HC8	1.91	0.52
1:Y:200:HIS:O	1:Y:204:LEU:HB3	2.09	0.52
1:Y:232:ALA:HB1	21:Y:914:HOH:O	2.09	0.52
2:Z:175:ASN:OD1	2:Z:290:TYR:HB2	2.10	0.52
2:Z:200:GLU:OE2	2:Z:205:HIS:CE1	2.62	0.52
2:Z:344:LEU:HD23	2:Z:385:LEU:HD13	1.91	0.52
9:g:71:ALA:O	9:g:75:SER:HB2	2.08	0.52
1:A:90:MET:HB3	1:A:143:LEU:HD11	1.92	0.52
1:A:696:TYR:CE1	2:B:542:LYS:HE2	2.44	0.52
14:A:827:CLA:HBB2	17:A:850:BCR:C31	2.40	0.52
2:B:458:ILE:HD11	17:B:850:BCR:C34	2.40	0.52
17:B:842:BCR:HC8	17:B:842:BCR:C33	2.40	0.52
14:G:802:CLA:HAA2	14:G:802:CLA:O2D	2.10	0.52
17:I:101:BCR:H331	17:I:101:BCR:C8	2.40	0.52
10:U:41:LEU:HD21	10:h:98:LEU:HD21	1.90	0.52
14:U:1004:CLA:HAB	14:U:1007:CLA:H92	1.91	0.52
1:Y:219:VAL:CG2	1:Y:239:PRO:HB3	2.39	0.52
2:Z:668:MET:HG3	14:Z:804:CLA:C1C	2.39	0.52
17:Z:848:BCR:H342	6:d:73:ILE:HG21	1.91	0.52
5:c:19:GLU:HG3	6:d:137:THR:HB	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:99:ASN:HD22	1:A:110:ILE:HD11	1.74	0.52
2:B:354:HIS:HD1	14:B:816:CLA:CAD	2.18	0.52
14:B:813:CLA:H12	14:B:813:CLA:H193	1.91	0.52
5:E:7:VAL:HB	5:E:65:VAL:HB	1.91	0.52
1:G:118:TRP:CE3	17:S:1105:BCR:H323	2.44	0.52
2:H:728:ALA:O	2:H:732:ILE:HG12	2.10	0.52
6:Q:103:VAL:HB	6:Q:104:PRO:HD3	1.91	0.52
1:Y:730:VAL:O	1:Y:734:HIS:ND1	2.42	0.52
17:Y:853:BCR:H342	14:f:101:CLA:HBC2	1.92	0.52
2:Z:55:ILE:HD12	14:Z:805:CLA:CBB	2.40	0.52
4:b:92:VAL:HG12	4:b:93:LEU:O	2.09	0.52
14:A:854:CLA:HED1	14:B:801:CLA:H61	1.91	0.52
17:F:201:BCR:HC8	17:F:201:BCR:C33	2.39	0.52
14:G:802:CLA:H202	14:G:840:CLA:H2	1.92	0.52
17:G:849:BCR:C36	14:H:802:CLA:H43	2.38	0.52
2:H:425:LEU:HG	14:H:838:CLA:CAB	2.40	0.52
2:H:525:VAL:HG11	2:H:599:TYR:CG	2.44	0.52
17:U:1005:BCR:H392	14:Y:841:CLA:H91	1.90	0.52
1:Y:189:TRP:CZ2	14:Y:813:CLA:CAC	2.92	0.52
2:Z:481:LEU:HA	2:Z:489:SER:HB2	1.92	0.52
2:Z:613:ALA:O	2:Z:617:GLU:HB2	2.10	0.52
4:b:81:LYS:HB3	4:b:93:LEU:HD21	1.91	0.52
1:A:216:GLN:NE2	1:A:301:HIS:HD2	2.08	0.52
2:B:725:LEU:HD23	14:B:826:CLA:H41	1.91	0.52
14:B:817:CLA:HBB1	14:B:817:CLA:HMB1	1.91	0.52
2:H:175:ASN:HB3	14:H:820:CLA:HMD1	1.91	0.52
4:O:64:CYS:O	4:O:67:LEU:HB3	2.09	0.52
6:Q:56:ARG:HG2	12:W:31:PHE:HE1	1.75	0.52
1:Y:306:VAL:HG22	17:Y:844:BCR:H352	1.91	0.52
2:B:109:SER:OG	7:I:4:SER:HB2	2.10	0.52
2:B:159:LYS:HB2	2:B:160:PHE:CD1	2.45	0.52
2:B:663:TRP:CD2	14:B:801:CLA:CMA	2.93	0.52
2:B:684:LEU:O	14:B:839:CLA:HBC1	2.10	0.52
1:G:697:TRP:HZ3	14:G:802:CLA:O1D	1.92	0.52
14:G:806:CLA:H93	14:G:806:CLA:H192	1.92	0.52
2:H:223:PRO:HA	2:H:226:THR:OG1	2.10	0.52
10:L:6:LYS:NZ	10:L:18:SER:OG	2.42	0.52
4:O:38:VAL:HG22	4:O:48:VAL:HG22	1.90	0.52
9:T:23:ASN:O	9:T:27:ILE:HG23	2.10	0.52
1:Y:379:PRO:HG3	14:Y:819:CLA:CBA	2.40	0.52
14:Y:814:CLA:CAD	21:Y:921:HOH:O	2.56	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Y:841:CLA:H52	14:Z:840:CLA:H43	1.91	0.52
2:Z:9:GLN:OE1	2:Z:13:GLN:NE2	2.42	0.52
2:Z:511:THR:CG2	21:Z:903:HOH:O	2.58	0.52
2:Z:652:TRP:CE3	2:Z:729:ALA:HA	2.45	0.52
2:B:390:PHE:CE2	17:B:846:BCR:H373	2.45	0.52
2:B:548:ARG:HD3	6:F:141:ARG:OXT	2.09	0.52
14:B:803:CLA:HBC1	19:B:848:LMG:H181	1.91	0.52
14:B:816:CLA:HBB1	14:B:816:CLA:HHC	1.91	0.52
1:G:316:ARG:HH22	9:T:37:ARG:HG2	1.75	0.52
2:H:693:LEU:O	2:H:696:LEU:HB2	2.10	0.52
14:H:851:CLA:HBC2	14:H:851:CLA:HHD	1.92	0.52
3:N:3:THR:HG23	3:N:67:TYR:HB2	1.92	0.52
6:Q:70:PHE:CD1	17:Q:201:BCR:H343	2.45	0.52
9:T:32:TYR:CD1	9:T:59:LEU:HD13	2.45	0.52
10:U:134:VAL:HG21	17:U:1009:BCR:H372	1.92	0.52
2:Z:435:HIS:O	2:Z:439:LEU:N	2.39	0.52
14:Z:838:CLA:H41	17:d:203:BCR:H403	1.92	0.52
17:Z:848:BCR:H331	17:Z:848:BCR:C8	2.39	0.52
17:Z:848:BCR:H331	17:Z:848:BCR:HC8	1.92	0.52
9:g:43:LEU:HD11	9:g:56:LEU:HD23	1.91	0.52
2:B:491:ALA:C	2:B:493:PRO:HD2	2.35	0.51
3:C:14:THR:HG22	3:C:27:MET:HG3	1.92	0.51
6:F:119:ALA:O	6:F:122:LYS:HB3	2.10	0.51
1:G:157:GLN:O	1:G:161:THR:HG23	2.10	0.51
1:G:335:PRO:HB2	10:h:4:LEU:HD12	1.92	0.51
1:G:429:VAL:HG11	14:G:824:CLA:C1C	2.40	0.51
14:G:802:CLA:H3A	14:G:802:CLA:CGA	2.40	0.51
2:H:588:TRP:CH2	14:H:802:CLA:CAB	2.93	0.51
2:Z:663:TRP:CD2	14:Z:803:CLA:CMA	2.93	0.51
1:A:71:LYS:NZ	14:A:812:CLA:HED2	2.25	0.51
2:B:431:PHE:O	2:B:435:HIS:ND1	2.40	0.51
2:B:503:TRP:NE1	14:B:833:CLA:HED1	2.25	0.51
2:B:667:PHE:HB3	14:B:802:CLA:CMC	2.40	0.51
3:C:73:THR:HG23	3:C:78:LEU:HB2	1.92	0.51
1:G:34:PHE:CD2	1:G:61:HIS:CE1	2.99	0.51
2:H:402:ASP:HB2	4:O:126:SER:OG	2.10	0.51
14:H:812:CLA:O1D	14:H:813:CLA:HMC1	2.10	0.51
14:H:828:CLA:H143	17:H:843:BCR:C16	2.41	0.51
9:K:65:PHE:HA	9:K:68:LEU:HD22	1.92	0.51
1:Y:399:TRP:CD1	14:Y:828:CLA:CAB	2.93	0.51
17:Y:853:BCR:H401	8:f:13:VAL:HA	1.90	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:807:CLA:H172	14:Z:807:CLA:H102	1.91	0.51
1:A:262:SER:O	1:A:266:PRO:HG3	2.11	0.51
2:B:19:ARG:NH2	2:B:701:ASP:OD2	2.37	0.51
4:D:124:ASN:HD22	4:D:124:ASN:N	2.07	0.51
1:G:74:SER:OG	1:G:180:TYR:HB2	2.10	0.51
2:H:122:TRP:CZ2	14:H:813:CLA:H191	2.46	0.51
2:H:274:HIS:HB3	14:H:817:CLA:HMB1	1.93	0.51
2:H:390:PHE:CE1	2:H:541:VAL:HG22	2.45	0.51
1:Y:140:THR:HB	1:Y:392:SER:CB	2.40	0.51
14:Y:804:CLA:H91	17:Y:853:BCR:C38	2.40	0.51
14:Y:808:CLA:H101	17:f:103:BCR:H372	1.93	0.51
2:Z:442:HIS:CD2	2:Z:456:ILE:HG13	2.45	0.51
2:Z:446:VAL:CG2	2:Z:454:LYS:HB2	2.40	0.51
2:Z:663:TRP:CZ3	14:Z:803:CLA:HMA3	2.45	0.51
14:Z:841:CLA:H8	7:e:27:MET:HE1	1.91	0.51
2:B:28:HIS:ND1	14:B:805:CLA:O1A	2.36	0.51
17:G:849:BCR:H321	17:G:849:BCR:HC8	1.92	0.51
6:Q:61:GLY:O	8:S:38:PHE:HB2	2.10	0.51
14:U:1004:CLA:HMB1	14:U:1004:CLA:HBB1	1.93	0.51
1:Y:120:ILE:HG12	1:Y:121:VAL:HG23	1.92	0.51
1:Y:467:ALA:HB2	2:Z:641:TYR:CG	2.45	0.51
2:Z:663:TRP:CH2	14:Z:803:CLA:HMA3	2.45	0.51
1:A:17:ASP:HB3	1:A:20:PRO:HG3	1.91	0.51
1:A:189:TRP:CD1	14:A:813:CLA:HED2	2.45	0.51
2:B:437:LEU:HB2	14:B:801:CLA:H201	1.91	0.51
14:B:808:CLA:H203	7:I:26:VAL:CG2	2.40	0.51
14:G:822:CLA:HED1	9:T:37:ARG:H	1.76	0.51
17:M:101:BCR:HC8	17:M:101:BCR:C32	2.32	0.51
5:P:15:TYR:CE2	5:P:44:ASN:HA	2.46	0.51
14:Y:838:CLA:H202	14:d:202:CLA:HMD2	1.92	0.51
17:Y:853:BCR:H391	8:f:12:PRO:HB2	1.91	0.51
14:Z:811:CLA:HAC2	17:e:101:BCR:H392	1.92	0.51
2:B:14:ASP:OD1	2:B:16:THR:OG1	2.28	0.51
2:B:173:ARG:HG3	2:B:177:HIS:CD2	2.45	0.51
1:G:249:MET:O	1:G:258:TRP:NE1	2.43	0.51
1:G:399:TRP:CD1	14:G:828:CLA:CAB	2.72	0.51
1:G:416:MET:O	1:G:561:ARG:NH1	2.40	0.51
14:H:813:CLA:H192	14:H:828:CLA:H51	1.93	0.51
1:Y:16:VAL:HA	1:Y:185:PRO:HA	1.93	0.51
2:Z:441:VAL:O	2:Z:445:VAL:HG12	2.11	0.51
4:D:60:ARG:NH2	4:D:62:GLU:OE1	2.37	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:840:CLA:H142	17:Q:201:BCR:C16	2.41	0.51
2:H:589:MET:HA	14:H:825:CLA:HBC1	1.92	0.51
14:H:837:CLA:CGA	14:H:837:CLA:C1A	2.89	0.51
1:Y:120:ILE:C	1:Y:122:GLY:H	2.19	0.51
1:Y:443:HIS:O	1:Y:447:VAL:HG23	2.10	0.51
14:Y:840:CLA:HAC1	15:Y:842:PQN:H161	1.93	0.51
2:Z:14:ASP:CG	2:Z:16:THR:HG22	2.36	0.51
2:Z:726:THR:HB	14:Z:803:CLA:O1D	2.11	0.51
1:A:77:PHE:CZ	14:A:811:CLA:HBB1	2.45	0.51
1:G:216:GLN:HE22	1:G:301:HIS:HD2	1.57	0.51
2:H:387:VAL:HG11	2:H:586:MET:HE2	1.92	0.51
10:L:68:LEU:CD2	10:h:153:PHE:HB2	2.41	0.51
17:U:1009:BCR:H24C	10:h:129:MET:CG	2.40	0.51
1:Y:202:ALA:HB2	1:Y:312:GLY:HA3	1.92	0.51
1:A:57:ASP:HB2	14:A:831:CLA:HAA2	1.93	0.51
2:B:181:LEU:CG	14:B:812:CLA:H42	2.41	0.51
2:B:707:SER:H	2:B:710:GLN:NE2	2.08	0.51
4:D:133:LYS:HD3	4:D:137:ASP:OD2	2.11	0.51
2:H:38:GLU:O	2:H:41:LEU:HB3	2.11	0.51
2:H:601:HIS:CD2	2:H:629:TYR:HE1	2.29	0.51
4:O:71:GLN:HE22	4:O:75:ARG:HH21	1.59	0.51
10:U:16:HIS:CD2	10:U:17:LEU:H	2.28	0.51
17:U:1008:BCR:C7	14:Z:811:CLA:HED1	2.41	0.51
1:Y:106:ASP:OD1	1:Y:108:THR:OG1	2.21	0.51
2:Z:347:ILE:HG12	14:Z:825:CLA:H43	1.91	0.51
2:Z:582:PHE:CE1	2:Z:586:MET:CG	2.94	0.51
2:Z:621:TYR:OH	2:Z:627:ARG:NH2	2.39	0.51
2:Z:665:THR:CA	14:Z:804:CLA:HAB	2.41	0.51
14:Z:827:CLA:C3B	14:Z:834:CLA:HMA2	2.41	0.51
14:B:805:CLA:HBC2	14:B:826:CLA:HMD1	1.92	0.51
14:B:834:CLA:HBA2	14:B:835:CLA:HMB3	1.92	0.51
5:E:66:GLN:NE2	21:E:101:HOH:O	2.43	0.51
1:G:321:ILE:N	9:T:58:GLU:OE2	2.42	0.51
1:G:553:LEU:HD21	1:G:598:GLY:HA3	1.92	0.51
1:Y:148:ARG:O	1:Y:224:ASN:ND2	2.37	0.51
1:Y:196:MET:HE1	14:Y:825:CLA:H142	1.91	0.51
1:Y:329:LEU:HD12	1:Y:345:TYR:HB2	1.93	0.51
14:Y:819:CLA:H193	14:Y:819:CLA:H102	1.91	0.51
2:Z:45:ILE:HG21	14:Z:806:CLA:H201	1.93	0.51
2:Z:194:ILE:HD13	14:Z:816:CLA:CAC	2.41	0.51
2:Z:525:VAL:O	2:Z:528:ALA:N	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:801:CLA:H51	14:Z:801:CLA:HMA1	1.93	0.51
2:B:412:ASP:O	2:B:416:GLN:HG2	2.11	0.50
2:B:727:TYR:HB2	14:B:801:CLA:HED3	1.92	0.50
14:B:803:CLA:HBC3	14:B:828:CLA:H41	1.93	0.50
3:C:15:GLN:HB3	3:C:56:ALA:HB1	1.93	0.50
6:F:55:GLY:HA2	6:F:64:LEU:HD21	1.93	0.50
1:G:118:TRP:CD2	17:S:1105:BCR:H323	2.46	0.50
1:G:231:VAL:O	1:G:231:VAL:HG12	2.11	0.50
1:G:583:ARG:HG3	3:N:48:VAL:HG11	1.93	0.50
2:H:200:GLU:OE2	2:H:205:HIS:NE2	2.44	0.50
1:Y:299:HIS:O	1:Y:302:LEU:HB3	2.11	0.50
1:Y:450:PHE:CE1	14:Y:836:CLA:HAB	2.46	0.50
1:Y:563:SER:OG	1:Y:569:LYS:HE2	2.11	0.50
2:Z:196:VAL:C	2:Z:199:PRO:HD2	2.35	0.50
2:Z:339:TRP:CE2	14:Z:827:CLA:H91	2.46	0.50
1:A:56:HIS:ND1	14:A:806:CLA:HAB	2.26	0.50
2:B:294:PHE:CD2	14:B:819:CLA:O1A	2.64	0.50
18:B:849:LHG:O10	18:B:849:LHG:O9	2.30	0.50
4:D:118:SER:HB3	5:E:13:GLU:OE2	2.11	0.50
6:F:36:GLU:HA	6:F:39:SER:OG	2.11	0.50
1:G:120:ILE:HG12	1:G:121:VAL:HG23	1.92	0.50
2:H:52:HIS:CE1	14:H:805:CLA:HMA2	2.46	0.50
2:H:128:MET:SD	2:H:133:ASP:HB3	2.50	0.50
2:H:175:ASN:ND2	2:H:287:GLY:O	2.44	0.50
2:H:337:LEU:HD11	14:H:829:CLA:CBB	2.39	0.50
2:H:589:MET:SD	2:H:590:LEU:N	2.84	0.50
14:H:806:CLA:H93	14:H:806:CLA:H193	1.93	0.50
10:L:86:ILE:HD13	10:L:128:ALA:HB1	1.93	0.50
10:U:88:VAL:HG12	14:Y:841:CLA:H142	1.93	0.50
2:Z:424:HIS:O	2:Z:428:VAL:HG22	2.11	0.50
14:Z:826:CLA:H93	14:Z:834:CLA:HAB	1.94	0.50
1:A:746:PHE:CG	13:A:801:CL0:H26	2.47	0.50
2:B:334:HIS:HE1	14:B:828:CLA:HED1	1.72	0.50
14:B:817:CLA:H3A	14:B:817:CLA:CGA	2.41	0.50
14:L:206:CLA:H141	7:e:21:LEU:HB2	1.92	0.50
4:O:85:ILE:HG12	4:O:91:THR:HG23	1.93	0.50
1:Y:161:THR:O	1:Y:165:GLY:N	2.45	0.50
1:Y:281:PHE:CE2	14:Y:834:CLA:HED1	2.46	0.50
1:Y:674:LEU:HD21	2:Z:448:ALA:HB2	1.93	0.50
14:Y:803:CLA:HED2	15:Y:842:PQN:H243	1.93	0.50
11:i:28:GLU:HA	11:i:28:GLU:OE1	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:118:TRP:O	1:A:123:GLN:NE2	2.44	0.50
1:A:211:ALA:HB2	17:A:847:BCR:H363	1.93	0.50
14:B:803:CLA:HHC	14:B:805:CLA:OBD	2.11	0.50
4:D:81:LYS:HB3	4:D:93:LEU:HD21	1.94	0.50
1:G:358:ILE:O	1:G:362:MET:HG2	2.11	0.50
1:G:647:ASN:HA	2:H:657:LEU:HD11	1.94	0.50
14:G:840:CLA:H193	8:S:19:MET:HG3	1.93	0.50
14:G:852:CLA:C1C	2:H:668:MET:HB2	2.41	0.50
1:Y:145:GLN:HB3	1:Y:380:TYR:HB3	1.93	0.50
1:Y:625:VAL:HG22	1:Y:631:VAL:HG22	1.92	0.50
14:Y:821:CLA:H43	17:Y:848:BCR:H362	1.93	0.50
2:Z:196:VAL:O	2:Z:199:PRO:HD2	2.11	0.50
2:Z:497:ASN:O	2:Z:498:VAL:HB	2.10	0.50
1:A:228:ASP:O	1:A:288:VAL:HG11	2.11	0.50
1:A:384:ALA:HA	1:A:390:GLN:CD	2.37	0.50
1:A:610:ILE:HD12	1:A:743:THR:HG21	1.93	0.50
2:B:140:PHE:O	2:B:143:ILE:HB	2.12	0.50
14:B:802:CLA:HMA3	14:B:802:CLA:C2	2.41	0.50
1:G:323:HIS:HB3	1:G:328:ILE:HD11	1.94	0.50
1:G:391:LEU:O	1:G:395:THR:HG23	2.11	0.50
3:N:13:CYS:O	3:N:14:THR:CG2	2.59	0.50
1:Y:49:TRP:CH2	14:Y:840:CLA:HMD3	2.47	0.50
1:Y:574:PHE:O	1:Y:590:SER:HB2	2.10	0.50
1:A:512:ALA:HB1	1:A:529:ILE:HD12	1.94	0.50
2:B:190:ALA:O	2:B:194:ILE:HD12	2.12	0.50
1:G:486:PHE:O	1:G:490:VAL:HG23	2.12	0.50
1:G:533:THR:O	1:G:536:PHE:N	2.39	0.50
8:J:1:MET:O	8:J:5:LEU:HB2	2.12	0.50
6:Q:84:TYR:CE2	6:Q:88:VAL:HG11	2.47	0.50
17:U:1008:BCR:C37	14:Y:836:CLA:H192	2.41	0.50
1:Y:27:LYS:HD3	14:Y:811:CLA:HMA2	1.94	0.50
2:Z:347:ILE:O	2:Z:351:VAL:HG13	2.11	0.50
2:Z:443:ASN:HB3	2:Z:455:GLN:NE2	2.27	0.50
2:Z:491:ALA:HA	14:Z:835:CLA:HMD2	1.93	0.50
8:f:11:ALA:N	8:f:12:PRO:HD2	2.26	0.50
17:A:848:BCR:H321	17:A:848:BCR:C8	2.41	0.50
4:O:32:THR:HA	4:O:52:GLY:O	2.11	0.50
14:U:1003:CLA:HAC2	17:U:1005:BCR:H382	1.94	0.50
2:Z:298:HIS:HB3	2:Z:303:MET:SD	2.50	0.50
14:Z:815:CLA:H112	14:Z:829:CLA:H193	1.93	0.50
6:d:25:THR:OG1	6:d:30:SER:OG	2.29	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:803:CLA:H151	14:B:809:CLA:HMC2	1.94	0.50
2:B:500:LEU:HG	2:B:504:LEU:HD12	1.94	0.50
14:B:836:CLA:C4	14:X:1701:CLA:HED2	2.42	0.50
1:G:46:THR:HA	1:G:49:TRP:CD1	2.45	0.50
1:G:90:MET:HE3	1:G:90:MET:HA	1.94	0.50
1:G:483:GLN:O	1:G:485:VAL:N	2.42	0.50
2:H:319:ASN:ND2	18:H:849:LHG:O2	2.37	0.50
2:H:478:ASP:OD1	2:H:483:ASN:ND2	2.27	0.50
2:H:722:GLY:O	2:H:726:THR:OG1	2.22	0.50
4:O:50:ARG:H	4:O:54:ASN:HD21	1.60	0.50
1:Y:435:ARG:NH1	4:b:12:GLY:O	2.41	0.50
1:Y:520:VAL:HG12	1:Y:525:ALA:HB2	1.94	0.50
2:Z:92:ASP:C	2:Z:94:GLN:H	2.20	0.50
2:B:304:MET:HG2	2:B:325:ILE:HG22	1.93	0.50
2:B:318:PHE:H	14:B:821:CLA:C2B	2.25	0.50
4:D:100:VAL:HG12	4:D:104:LYS:HD3	1.94	0.50
2:H:503:TRP:CE2	14:H:833:CLA:CED	2.94	0.50
9:K:26:ALA:HA	9:K:29:LEU:HD12	1.93	0.50
9:K:27:ILE:O	9:K:31:ARG:HD3	2.12	0.50
10:U:64:LYS:HG2	14:U:1004:CLA:HMA3	1.93	0.50
1:Y:407:GLY:O	1:Y:410:ALA:HB3	2.12	0.50
1:Y:432:ARG:HD3	14:Y:831:CLA:OBD	2.12	0.50
14:Y:816:CLA:CMB	21:Y:921:HOH:O	2.54	0.50
14:Z:806:CLA:H43	14:Z:814:CLA:H2	1.94	0.50
13:A:801:CL0:H13	14:B:801:CLA:HAA1	1.94	0.49
14:A:807:CLA:H91	18:A:852:LHG:H352	1.94	0.49
14:A:832:CLA:CED	10:L:5:VAL:HG11	2.42	0.49
4:D:33:SER:OG	4:D:35:LYS:O	2.28	0.49
1:G:82:VAL:HG21	14:G:811:CLA:H141	1.94	0.49
1:G:535:ASP:OD2	1:G:616:LYS:NZ	2.41	0.49
1:G:587:CYS:HB3	16:G:844:SF4:S4	2.52	0.49
14:G:821:CLA:H191	17:G:847:BCR:HC21	1.94	0.49
2:H:173:ARG:HB2	14:H:813:CLA:HBC2	1.93	0.49
14:U:1003:CLA:HAB	17:U:1008:BCR:C19	2.41	0.49
1:Y:356:LEU:HD23	1:Y:411:HIS:CE1	2.47	0.49
12:j:11:PHE:N	18:j:101:LHG:O1	2.41	0.49
14:A:822:CLA:H92	14:A:826:CLA:HMB2	1.94	0.49
2:B:157:GLN:OE1	11:M:28:GLU:OE2	2.30	0.49
2:B:176:HIS:HB3	14:B:812:CLA:CAB	2.42	0.49
1:G:78:GLY:HA3	14:G:811:CLA:HBC1	1.94	0.49
14:H:823:CLA:HAB	14:H:830:CLA:HMD1	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:833:CLA:HED2	14:H:833:CLA:H2A	1.95	0.49
14:H:851:CLA:HMB3	14:H:851:CLA:HBB1	1.93	0.49
3:N:13:CYS:O	3:N:14:THR:HG22	2.12	0.49
1:Y:634:ILE:CG2	1:Y:754:VAL:HG11	2.42	0.49
2:Z:126:ILE:CG2	14:Z:819:CLA:HED2	2.41	0.49
2:Z:166:TRP:CE2	14:Z:814:CLA:HAC2	2.47	0.49
2:Z:243:PHE:CD1	2:Z:264:THR:HG21	2.47	0.49
6:d:34:ARG:NH1	8:f:35:ASP:OD2	2.45	0.49
1:A:692:SER:OG	15:A:844:PQN:H9	2.12	0.49
3:C:2:HIS:HE1	3:C:71:GLU:OE2	1.95	0.49
1:G:196:MET:HE1	14:G:825:CLA:H143	1.94	0.49
1:G:552:ILE:HG12	14:G:852:CLA:HMD2	1.94	0.49
2:H:318:PHE:CE1	14:H:822:CLA:HHC	2.47	0.49
14:U:1002:CLA:OBD	10:h:91:ALA:HA	2.12	0.49
1:Y:634:ILE:HG23	1:Y:754:VAL:CG1	2.41	0.49
14:Y:821:CLA:HBB1	14:Y:821:CLA:HMB3	1.94	0.49
17:Y:846:BCR:H321	17:Y:846:BCR:HC8	1.94	0.49
4:b:49:MET:HB2	4:b:54:ASN:ND2	2.28	0.49
2:B:260:PHE:CZ	2:B:358:LEU:HD23	2.47	0.49
17:F:203:BCR:C23	17:F:203:BCR:H383	2.41	0.49
1:G:12:VAL:N	1:G:318:ASN:OD1	2.46	0.49
1:G:256:VAL:HG23	1:G:258:TRP:CE2	2.47	0.49
1:G:545:THR:O	1:G:549:THR:OG1	2.27	0.49
17:G:848:BCR:H271	17:G:848:BCR:H393	1.94	0.49
2:H:344:LEU:HD23	2:H:385:LEU:HD13	1.93	0.49
2:H:431:PHE:CE1	14:H:831:CLA:C2D	2.95	0.49
14:H:837:CLA:H72	14:H:837:CLA:HBB1	1.94	0.49
17:H:844:BCR:H23C	17:H:844:BCR:C38	2.42	0.49
4:O:29:ILE:HG21	4:O:67:LEU:HD23	1.95	0.49
1:Y:42:PRO:HG3	6:d:99:ILE:HD13	1.94	0.49
1:Y:221:LEU:HD23	1:Y:294:LEU:HB3	1.94	0.49
1:Y:316:ARG:HH21	14:Y:822:CLA:HED3	1.77	0.49
10:h:63:VAL:HG12	10:h:64:LYS:HG2	1.94	0.49
1:A:196:MET:HG2	1:A:200:HIS:HD2	1.74	0.49
1:A:197:LEU:HD12	1:A:325:LEU:HD11	1.93	0.49
17:A:850:BCR:H382	17:A:850:BCR:H23C	1.94	0.49
6:F:52:VAL:HB	6:F:59:ARG:HG3	1.95	0.49
1:G:152:ILE:HA	14:G:814:CLA:HED1	1.95	0.49
1:G:216:GLN:HE22	1:G:301:HIS:CD2	2.30	0.49
1:G:574:PHE:O	1:G:590:SER:HB2	2.12	0.49
1:G:606:ILE:HA	1:G:609:VAL:HB	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:156:LEU:O	2:H:161:ARG:NH1	2.45	0.49
2:H:432:LEU:HD11	14:H:837:CLA:HMB2	1.95	0.49
2:H:727:TYR:HB2	14:H:803:CLA:HED3	1.94	0.49
10:L:61:PRO:HB2	14:L:202:CLA:H12	1.95	0.49
6:Q:116:TRP:CG	6:Q:117:PRO:HD3	2.48	0.49
2:Z:194:ILE:HD13	14:Z:816:CLA:HAC2	1.93	0.49
17:h:202:BCR:H363	14:h:204:CLA:CBA	2.43	0.49
1:A:218:HIS:O	1:A:222:PRO:HG2	2.12	0.49
14:A:833:CLA:H41	14:A:842:CLA:HBC2	1.95	0.49
14:B:830:CLA:HAC1	14:B:838:CLA:HBC3	1.95	0.49
14:B:836:CLA:HMB1	14:B:838:CLA:HED1	1.95	0.49
4:D:68:ALA:HA	4:D:72:LEU:HD12	1.94	0.49
14:G:821:CLA:HMB2	14:G:825:CLA:HMA3	1.94	0.49
2:H:470:HIS:HA	2:H:481:LEU:HD12	1.95	0.49
2:H:490:THR:O	2:H:495:TYR:HA	2.12	0.49
1:Y:278:PHE:HE2	14:Y:815:CLA:HAC2	1.77	0.49
2:Z:321:PRO:HB2	2:Z:323:GLN:HE22	1.77	0.49
4:b:73:ARG:N	4:b:74:PRO:HD2	2.27	0.49
1:A:320:GLY:HA3	9:K:38:GLY:O	2.13	0.49
2:B:122:TRP:CZ2	14:B:812:CLA:H201	2.48	0.49
2:H:260:PHE:CZ	2:H:359:PRO:HD2	2.47	0.49
11:V:17:LEU:HB2	11:V:18:PRO:HD3	1.95	0.49
1:Y:307:LEU:HD21	14:Y:817:CLA:H141	1.95	0.49
2:Z:395:ILE:O	2:Z:398:VAL:HG12	2.13	0.49
2:Z:494:ASN:HB3	14:Z:836:CLA:HED3	1.95	0.49
14:B:818:CLA:CMB	14:B:823:CLA:HMA3	2.43	0.49
14:B:824:CLA:C1B	17:B:846:BCR:H363	2.43	0.49
3:C:57:CYS:CB	21:C:205:HOH:O	2.61	0.49
4:D:83:TYR:HA	4:D:92:VAL:O	2.12	0.49
17:G:848:BCR:C23	17:G:848:BCR:C38	2.90	0.49
2:H:327:GLU:O	2:H:331:ASN:HB2	2.12	0.49
2:H:368:HIS:HB3	2:H:608:TRP:CE3	2.47	0.49
2:H:677:TRP:CZ3	17:H:847:BCR:H391	2.48	0.49
14:H:817:CLA:O1D	14:H:818:CLA:HMA1	2.11	0.49
17:H:842:BCR:H382	17:H:842:BCR:H23C	1.95	0.49
17:I:101:BCR:H331	17:I:101:BCR:HC8	1.95	0.49
10:L:152:LEU:HD12	10:L:152:LEU:O	2.12	0.49
3:N:22:THR:HG21	3:N:48:VAL:HG23	1.95	0.49
17:V:101:BCR:HC7	17:V:101:BCR:H331	1.60	0.49
1:Y:77:PHE:CZ	14:Y:813:CLA:HED1	2.48	0.49
1:Y:117:VAL:HG22	1:Y:127:ASN:ND2	2.28	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:140:THR:HB	1:Y:392:SER:HG	1.77	0.49
1:Y:441:ILE:CG2	2:Z:683:THR:HG21	2.43	0.49
10:h:24:SER:HB2	10:h:27:VAL:HG23	1.95	0.49
10:h:36:ALA:HB2	14:h:205:CLA:HMD1	1.95	0.49
2:B:459:GLU:HB3	2:B:461:VAL:HG13	1.94	0.49
2:B:725:LEU:CD2	14:B:826:CLA:H41	2.42	0.49
1:G:611:PHE:CE2	1:G:654:LEU:HD21	2.48	0.49
14:G:852:CLA:CGA	14:G:852:CLA:H3A	2.43	0.49
2:H:453:GLU:CD	2:H:453:GLU:H	2.21	0.49
4:O:33:SER:HB2	4:O:77:ILE:HD11	1.94	0.49
1:Y:449:ILE:HD11	17:Y:852:BCR:H402	1.95	0.49
2:Z:173:ARG:HH12	14:Z:806:CLA:H172	1.78	0.49
2:Z:223:PRO:O	2:Z:226:THR:OG1	2.30	0.49
21:c:104:HOH:O	6:d:138:VAL:CG2	2.53	0.49
1:A:651:ARG:HE	1:A:652:ASP:CG	2.20	0.49
14:A:820:CLA:HBC2	14:A:830:CLA:H121	1.95	0.49
2:B:317:PRO:HB3	14:B:822:CLA:HMA3	1.94	0.49
1:G:704:ILE:HD13	14:H:801:CLA:CMD	2.42	0.49
2:H:423:SER:O	14:H:801:CLA:HED3	2.11	0.49
2:H:431:PHE:CZ	17:H:850:BCR:HC41	2.48	0.49
1:Y:46:THR:HA	1:Y:49:TRP:CD1	2.44	0.49
1:Y:355:GLN:HG3	14:Y:825:CLA:H152	1.95	0.49
14:Y:839:CLA:HBB2	15:Y:842:PQN:H141	1.93	0.49
2:Z:234:GLN:O	2:Z:236:PRO:HD3	2.12	0.49
2:Z:443:ASN:HA	2:Z:455:GLN:HG2	1.93	0.49
2:Z:642:ASN:HB2	2:Z:643:PRO:HD2	1.93	0.49
14:A:812:CLA:H192	17:J:104:BCR:H372	1.94	0.48
14:A:822:CLA:HBD	14:A:825:CLA:HED2	1.93	0.48
14:A:829:CLA:H91	17:J:103:BCR:H361	1.95	0.48
1:G:466:ARG:NH2	1:G:641:GLN:OE1	2.46	0.48
1:G:482:LEU:HB2	1:G:533:THR:HG23	1.95	0.48
2:H:124:TYR:O	2:H:129:ARG:NH1	2.44	0.48
2:H:196:VAL:HG12	2:H:206:VAL:HB	1.95	0.48
10:U:88:VAL:HG21	14:Z:840:CLA:H162	1.94	0.48
2:Z:288:HIS:CE1	17:Z:843:BCR:H363	2.48	0.48
2:Z:484:PRO:HA	2:Z:489:SER:OG	2.13	0.48
14:Z:808:CLA:HMC2	14:Z:808:CLA:H92	1.95	0.48
6:d:1:ASP:OD1	6:d:2:VAL:N	2.44	0.48
1:A:149:ALA:HB1	14:A:820:CLA:CED	2.38	0.48
1:A:722:LEU:HD12	15:A:844:PQN:C4	2.43	0.48
14:A:829:CLA:C3D	14:A:830:CLA:CMB	2.91	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:A:844:PQN:H141	15:A:844:PQN:C17	2.43	0.48
2:B:480:LEU:O	2:B:482:SER:N	2.44	0.48
1:G:490:VAL:HG12	1:G:494:HIS:CE1	2.47	0.48
1:G:675:LEU:HD21	14:G:828:CLA:H143	1.95	0.48
2:H:601:HIS:HD2	2:H:629:TYR:CE1	2.31	0.48
10:L:42:SER:HB3	10:U:118:SER:OG	2.13	0.48
3:N:26:GLU:CD	4:O:109:ARG:HD3	2.37	0.48
4:O:82:ILE:HG22	4:O:94:ILE:HD11	1.94	0.48
6:Q:126:SER:HB2	6:Q:128:GLU:HG2	1.93	0.48
1:Y:462:ASN:CG	1:Y:474:MET:HG2	2.38	0.48
14:Y:808:CLA:CBB	17:f:103:BCR:H363	2.43	0.48
1:A:14:VAL:O	1:A:14:VAL:HG23	2.13	0.48
1:A:121:VAL:HG22	14:B:832:CLA:HMD2	1.94	0.48
1:A:329:LEU:HB3	1:A:341:HIS:HB2	1.94	0.48
14:A:833:CLA:H112	15:B:841:PQN:H201	1.94	0.48
2:B:492:TRP:N	2:B:493:PRO:HD2	2.27	0.48
14:G:826:CLA:H51	14:G:836:CLA:H11	1.96	0.48
2:H:233:ALA:HB2	2:H:254:LEU:O	2.13	0.48
2:H:730:PHE:CD1	14:H:803:CLA:HMD2	2.47	0.48
12:X:20:LEU:O	12:X:23:ASN:HB3	2.13	0.48
1:Y:126:LEU:C	1:Y:127:ASN:ND2	2.66	0.48
1:Y:670:SER:O	1:Y:674:LEU:HG	2.13	0.48
2:Z:42:TYR:CE2	2:Z:333:LEU:HD21	2.49	0.48
14:Z:831:CLA:O1A	12:j:12:ARG:NH1	2.46	0.48
1:A:103:TRP:HA	1:A:110:ILE:HG21	1.95	0.48
1:A:555:LYS:HE3	2:B:680:LEU:HB2	1.95	0.48
1:A:703:SER:OG	2:B:419:GLU:HA	2.13	0.48
14:A:812:CLA:H171	17:J:104:BCR:H371	1.95	0.48
14:B:805:CLA:H41	14:B:805:CLA:H61	1.64	0.48
6:F:106:ALA:O	6:F:109:CYS:HB2	2.14	0.48
1:G:100:TYR:CD1	1:G:147:TRP:HD1	2.32	0.48
2:H:479:THR:O	2:H:480:LEU:O	2.31	0.48
6:Q:76:TRP:CD1	6:Q:76:TRP:C	2.91	0.48
1:Y:446:TRP:CD1	14:Y:841:CLA:O1A	2.65	0.48
2:Z:648:ASN:HD22	2:Z:648:ASN:H	1.61	0.48
4:b:95:HIS:O	4:b:97:LYS:N	2.41	0.48
14:d:201:CLA:H93	14:d:201:CLA:OBD	2.14	0.48
7:e:22:MET:N	7:e:23:PRO:HD2	2.29	0.48
1:A:338:GLY:HA3	1:A:427:ASN:HD21	1.77	0.48
2:B:325:ILE:HA	2:B:328:THR:CG2	2.43	0.48
2:B:571:GLY:O	5:E:49:SER:HA	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C:60:ASP:HB2	5:E:58:ASN:CG	2.38	0.48
6:F:116:TRP:N	6:F:117:PRO:CD	2.76	0.48
1:G:153:THR:N	1:G:157:GLN:OE1	2.30	0.48
1:G:452:GLY:HA3	14:G:852:CLA:O1A	2.13	0.48
2:H:207:GLY:HA2	14:H:814:CLA:OBD	2.13	0.48
2:H:334:HIS:CD2	2:H:395:ILE:HG22	2.48	0.48
4:O:101:PHE:O	4:O:109:ARG:NH2	2.45	0.48
6:Q:113:GLY:O	6:Q:116:TRP:HD1	1.95	0.48
10:U:65:LEU:HB3	14:U:1007:CLA:HMA1	1.94	0.48
1:Y:337:THR:HG21	18:Y:851:LHG:HC11	1.95	0.48
1:Y:664:SER:HB2	1:Y:669:LEU:O	2.14	0.48
2:Z:200:GLU:CD	2:Z:205:HIS:HA	2.39	0.48
6:d:21:ALA:HB1	6:d:31:GLY:C	2.38	0.48
17:f:103:BCR:H23C	17:f:103:BCR:C38	2.43	0.48
1:A:90:MET:HE2	1:A:90:MET:N	2.29	0.48
1:A:127:ASN:HB3	1:A:135:HIS:HB3	1.94	0.48
2:B:126:ILE:HG23	14:B:817:CLA:HED2	1.96	0.48
2:B:294:PHE:O	2:B:296:ILE:N	2.40	0.48
2:B:303:MET:HA	14:B:821:CLA:O1D	2.13	0.48
2:B:588:TRP:O	2:B:592:THR:HG23	2.13	0.48
1:G:94:GLY:HA2	1:G:98:SER:HB3	1.94	0.48
1:G:143:LEU:HA	1:G:146:LEU:HB3	1.95	0.48
1:G:238:LEU:O	1:G:240:HIS:N	2.47	0.48
1:G:302:LEU:HD13	14:G:815:CLA:HMC2	1.96	0.48
1:G:429:VAL:HG11	14:G:824:CLA:C2C	2.44	0.48
2:H:651:VAL:CG2	14:H:809:CLA:HHD	2.40	0.48
11:M:28:GLU:OE1	11:M:28:GLU:HA	2.13	0.48
17:Q:201:BCR:HC8	17:Q:201:BCR:C33	2.43	0.48
10:U:34:LEU:HD23	2:Z:693:LEU:HD11	1.94	0.48
10:U:141:ASN:ND2	10:h:76:LEU:CD2	2.76	0.48
17:U:1009:BCR:H24C	10:h:129:MET:HG3	1.94	0.48
14:Y:830:CLA:H41	14:Y:830:CLA:H62	1.69	0.48
15:Y:842:PQN:H222	15:Y:842:PQN:H191	1.95	0.48
17:Y:852:BCR:H401	14:Z:804:CLA:O2D	2.12	0.48
2:Z:515:PHE:CE1	14:Z:827:CLA:HBC2	2.48	0.48
2:Z:599:TYR:CZ	14:Z:837:CLA:HBC2	2.48	0.48
17:Z:844:BCR:H382	17:Z:844:BCR:H23C	1.95	0.48
17:Z:848:BCR:C38	17:Z:848:BCR:H23C	2.43	0.48
1:A:459:TYR:CE1	1:A:537:MET:HB3	2.48	0.48
14:B:804:CLA:H193	14:B:812:CLA:HMD1	1.95	0.48
1:G:579:ASP:OD2	3:N:52:ARG:NH2	2.47	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:U:33:ASN:HB3	14:U:1002:CLA:HAC1	1.94	0.48
14:Y:838:CLA:H121	14:d:202:CLA:HAC1	1.96	0.48
6:d:116:TRP:N	6:d:117:PRO:HD2	2.29	0.48
1:A:693:GLY:HA3	2:B:574:CYS:HB2	1.95	0.48
14:A:804:CLA:HMD2	6:F:99:ILE:HB	1.96	0.48
14:A:809:CLA:H101	17:J:103:BCR:H372	1.96	0.48
14:B:813:CLA:HMA3	17:B:844:BCR:H282	1.96	0.48
1:G:255:LYS:HB2	1:G:277:ASP:OD2	2.13	0.48
1:G:340:GLY:O	1:G:429:VAL:HG23	2.13	0.48
1:G:439:ALA:O	1:G:443:HIS:ND1	2.43	0.48
1:G:582:GLY:HA3	3:N:49:GLY:C	2.39	0.48
1:G:661:VAL:O	1:G:664:SER:OG	2.29	0.48
14:G:802:CLA:C19	14:H:802:CLA:H192	2.44	0.48
14:G:808:CLA:C3D	14:G:828:CLA:HBA1	2.44	0.48
10:L:66:GLY:O	10:L:69:ARG:HG2	2.14	0.48
1:Y:56:HIS:HA	1:Y:58:PHE:CE2	2.49	0.48
1:Y:140:THR:HA	1:Y:389:THR:HG22	1.95	0.48
1:Y:415:PHE:HE2	1:Y:430:LEU:HD11	1.78	0.48
14:Y:803:CLA:O1A	14:Y:803:CLA:HMA2	2.13	0.48
14:Z:811:CLA:HHC	14:Z:811:CLA:HBB1	1.96	0.48
14:Z:837:CLA:HMB3	14:Z:837:CLA:HBB1	1.95	0.48
14:B:804:CLA:H93	14:B:812:CLA:H43	1.95	0.48
1:G:337:THR:OG1	1:G:429:VAL:HG22	2.14	0.48
1:G:360:LEU:HD23	1:G:407:GLY:C	2.39	0.48
1:G:650:LEU:HD23	2:H:638:ILE:CD1	2.44	0.48
14:G:832:CLA:HMB2	14:G:833:CLA:C1B	2.44	0.48
9:K:66:GLY:O	9:K:70:ALA:N	2.40	0.48
1:A:117:VAL:HA	14:A:810:CLA:HED2	1.96	0.48
1:A:447:VAL:O	1:A:450:PHE:HB3	2.14	0.48
2:B:437:LEU:HG	2:B:437:LEU:O	2.14	0.48
14:B:802:CLA:H143	17:B:847:BCR:H362	1.96	0.48
14:B:836:CLA:H62	14:X:1701:CLA:CAD	2.44	0.48
17:B:850:BCR:C21	8:J:36:LEU:HD13	2.43	0.48
1:G:379:PRO:HG3	14:G:819:CLA:CBA	2.44	0.48
14:U:1002:CLA:H202	14:U:1002:CLA:CBA	2.42	0.48
14:Y:826:CLA:C1B	17:Y:848:BCR:H352	2.43	0.48
2:Z:180:GLY:HA2	14:Z:821:CLA:HBC1	1.96	0.48
2:Z:457:LEU:O	6:d:51:LEU:N	2.46	0.48
2:Z:727:TYR:CE2	2:Z:731:LEU:HD13	2.49	0.48
14:Z:804:CLA:HAA2	14:Z:804:CLA:HBD	1.95	0.48
1:A:256:VAL:HG13	1:A:258:TRP:CE2	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:437:ARG:CZ	4:D:44:ALA:HB2	2.44	0.47
14:A:833:CLA:HMA3	17:I:101:BCR:H292	1.96	0.47
14:A:839:CLA:HBC1	15:A:844:PQN:H201	1.96	0.47
2:B:72:ASN:HB2	2:B:75:GLN:HB2	1.96	0.47
2:B:291:ARG:HA	2:B:297:GLY:HA3	1.96	0.47
2:B:706:LEU:HA	2:B:710:GLN:HE21	1.79	0.47
1:G:537:MET:HE1	1:G:644:ILE:HA	1.96	0.47
1:G:555:LYS:HE3	2:H:680:LEU:HB2	1.96	0.47
14:G:817:CLA:HBC2	14:G:818:CLA:HMC1	1.94	0.47
2:H:684:LEU:O	14:H:839:CLA:HBC1	2.14	0.47
12:X:18:LEU:O	12:X:22:ILE:HG13	2.14	0.47
1:Y:84:PHE:CZ	14:Y:805:CLA:H91	2.49	0.47
1:Y:300:HIS:NE2	14:Y:819:CLA:C2B	2.77	0.47
14:Y:832:CLA:HMA3	17:e:101:BCR:H292	1.96	0.47
17:Y:853:BCR:H15C	17:Y:853:BCR:H351	1.64	0.47
17:Z:848:BCR:HC8	17:Z:848:BCR:C33	2.43	0.47
1:A:125:ILE:HD11	1:A:666:GLY:O	2.13	0.47
1:A:651:ARG:O	1:A:655:TRP:HB3	2.15	0.47
2:B:194:ILE:HD13	14:B:814:CLA:CAC	2.45	0.47
2:B:548:ARG:HH11	6:F:141:ARG:C	2.22	0.47
14:B:812:CLA:H192	14:B:827:CLA:H51	1.96	0.47
14:B:827:CLA:H41	14:B:827:CLA:H61	1.72	0.47
1:G:57:ASP:OD2	14:G:830:CLA:HED2	2.14	0.47
1:G:280:THR:OG1	1:G:281:PHE:N	2.47	0.47
1:G:564:ARG:NH2	4:O:14:THR:O	2.47	0.47
14:G:808:CLA:H43	17:S:1104:BCR:H402	1.96	0.47
17:L:207:BCR:HC8	17:L:207:BCR:C33	2.44	0.47
9:T:56:LEU:HD12	9:T:58:GLU:HB3	1.96	0.47
12:W:9:TYR:HB3	12:W:12:ARG:HD2	1.95	0.47
1:Y:194:GLU:OE2	1:Y:324:SER:HA	2.14	0.47
1:Y:231:VAL:O	1:Y:232:ALA:HB3	2.14	0.47
1:Y:495:THR:HA	1:Y:508:THR:CG2	2.44	0.47
1:Y:651:ARG:HB2	2:Z:638:ILE:HG13	1.96	0.47
14:Y:821:CLA:HMD1	14:Y:822:CLA:HAB	1.96	0.47
2:Z:315:GLU:O	2:Z:321:PRO:HA	2.14	0.47
2:Z:661:LEU:O	2:Z:665:THR:HG23	2.14	0.47
1:A:453:PHE:O	1:A:457:GLY:HA3	2.14	0.47
1:A:584:GLY:HA3	2:B:674:ARG:NH1	2.28	0.47
17:A:851:BCR:H23C	17:A:851:BCR:C40	2.39	0.47
2:B:392:HIS:HA	2:B:395:ILE:HD12	1.96	0.47
14:B:805:CLA:C2B	14:B:805:CLA:H141	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:853:CLA:HMB1	14:H:801:CLA:HAA2	1.96	0.47
2:H:28:HIS:CE1	14:H:806:CLA:O1A	2.67	0.47
17:Y:844:BCR:H15C	17:Y:844:BCR:H351	1.62	0.47
2:Z:665:THR:HG22	14:Z:804:CLA:CAB	2.45	0.47
14:Z:827:CLA:H192	14:Z:831:CLA:HMC3	1.96	0.47
1:A:340:GLY:O	1:A:429:VAL:HB	2.13	0.47
1:A:399:TRP:CD1	14:A:829:CLA:CAB	2.86	0.47
14:A:829:CLA:H43	17:A:851:BCR:H311	1.96	0.47
2:B:9:GLN:HA	2:B:12:ALA:HB3	1.95	0.47
2:B:90:ILE:CD1	14:B:808:CLA:HMD1	2.44	0.47
2:B:459:GLU:OE2	6:F:50:HIS:HD2	1.98	0.47
2:B:566:ASP:OD2	3:C:65:ARG:NH2	2.44	0.47
1:G:603:TYR:OH	13:G:801:CL0:H9	2.13	0.47
3:N:57:CYS:HB3	3:N:62:LEU:HD22	1.96	0.47
10:U:20:PRO:HA	10:U:24:SER:HB3	1.95	0.47
14:U:1007:CLA:C2	17:U:1008:BCR:H352	2.44	0.47
1:Y:141:SER:HB3	1:Y:143:LEU:HG	1.95	0.47
1:Y:310:ILE:HD11	9:g:68:LEU:HD12	1.96	0.47
1:Y:671:ALA:HB1	14:Y:808:CLA:HMC1	1.96	0.47
2:Z:589:MET:CE	2:Z:590:LEU:HD23	2.45	0.47
14:Z:801:CLA:H3A	14:Z:801:CLA:O1A	2.14	0.47
14:Z:806:CLA:H93	14:Z:814:CLA:H11	1.95	0.47
11:i:14:ILE:O	11:i:18:PRO:HD2	2.15	0.47
1:A:558:LEU:HD21	14:A:822:CLA:H203	1.96	0.47
14:A:807:CLA:O1A	14:A:807:CLA:CED	2.62	0.47
14:A:827:CLA:HBB2	17:A:850:BCR:H311	1.96	0.47
14:B:834:CLA:CHD	14:B:835:CLA:HAB	2.44	0.47
14:G:828:CLA:H112	17:G:849:BCR:C10	2.43	0.47
10:L:16:HIS:CD2	14:L:201:CLA:HED1	2.50	0.47
2:Z:351:VAL:HG12	14:Z:819:CLA:C3	2.44	0.47
2:Z:389:ALA:HB1	17:Z:847:BCR:H372	1.96	0.47
2:Z:443:ASN:HB3	2:Z:455:GLN:HE21	1.80	0.47
2:Z:451:THR:HG22	6:d:22:VAL:HG21	1.97	0.47
14:Z:809:CLA:HBA1	14:Z:828:CLA:OBD	2.14	0.47
14:Z:826:CLA:HAA2	14:Z:827:CLA:OBD	2.14	0.47
9:g:56:LEU:HD13	9:g:59:LEU:HD13	1.97	0.47
17:h:207:BCR:H331	17:h:207:BCR:C8	2.29	0.47
1:A:375:TYR:OH	14:A:836:CLA:HBC3	2.14	0.47
14:A:841:CLA:HBA1	18:A:852:LHG:H171	1.97	0.47
2:B:217:HIS:HB2	2:B:253:ILE:CD1	2.44	0.47
2:B:726:THR:HB	14:B:801:CLA:O1D	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:202:ALA:HB2	1:G:312:GLY:HA3	1.97	0.47
1:G:453:PHE:O	14:G:833:CLA:HAB	2.14	0.47
2:H:25:ALA:HB2	19:H:848:LMG:H121	1.96	0.47
2:H:200:GLU:OE2	2:H:205:HIS:CD2	2.67	0.47
2:H:321:PRO:HB2	2:H:323:GLN:HE22	1.79	0.47
9:K:24:LEU:HD11	9:K:69:LEU:HD23	1.97	0.47
6:Q:97:LYS:HA	6:Q:100:ILE:O	2.15	0.47
2:Z:329:TYR:HB3	14:Z:825:CLA:HBC3	1.97	0.47
3:a:48:VAL:HA	3:a:75:SER:HA	1.97	0.47
12:j:20:LEU:HG	12:j:24:PHE:CE2	2.50	0.47
1:A:221:LEU:HB2	1:A:222:PRO:HD3	1.96	0.47
1:A:356:LEU:HD23	1:A:411:HIS:CE1	2.50	0.47
1:A:446:TRP:CD1	14:A:833:CLA:HED2	2.50	0.47
14:A:807:CLA:HBC2	14:A:829:CLA:HMD3	1.97	0.47
14:A:829:CLA:C2D	14:A:830:CLA:HMB1	2.45	0.47
2:B:318:PHE:CA	14:B:821:CLA:CAB	2.88	0.47
2:B:367:ASP:CG	2:B:370:THR:OG1	2.57	0.47
2:B:454:LYS:HE3	8:J:35:ASP:HA	1.95	0.47
2:B:500:LEU:HB3	2:B:501:PRO:HD3	1.96	0.47
2:B:561:TYR:CD1	2:B:578:ALA:HB3	2.50	0.47
2:B:596:VAL:HG13	14:B:836:CLA:HHC	1.96	0.47
2:B:730:PHE:CD1	14:B:801:CLA:HMD2	2.48	0.47
14:B:808:CLA:HBB2	14:L:202:CLA:HAC1	1.96	0.47
14:B:819:CLA:HBB1	14:B:819:CLA:HMB1	1.97	0.47
4:D:4:THR:OG1	4:D:53:GLU:OE1	2.32	0.47
4:D:42:PRO:HD3	4:D:67:LEU:HD13	1.97	0.47
1:G:81:ALA:O	1:G:85:ILE:HG13	2.14	0.47
1:G:242:PHE:HD1	1:G:249:MET:HG3	1.79	0.47
1:G:593:ASP:OD1	1:G:728:ARG:NH1	2.46	0.47
2:H:386:MET:HE1	17:H:846:BCR:H361	1.97	0.47
2:H:414:VAL:HA	2:H:417:HIS:CE1	2.49	0.47
2:H:652:TRP:CZ2	2:H:732:ILE:HG21	2.49	0.47
14:H:825:CLA:H3A	14:H:825:CLA:HBA2	1.71	0.47
6:Q:23:ASN:ND2	6:Q:28:PRO:O	2.46	0.47
9:T:56:LEU:HG	9:T:59:LEU:HG	1.95	0.47
10:U:62:TRP:HZ2	17:U:1008:BCR:C9	2.28	0.47
17:U:1005:BCR:H403	17:U:1005:BCR:H23C	1.97	0.47
14:U:1006:CLA:HMA3	2:Z:691:THR:HG23	1.97	0.47
1:Y:690:LEU:CD2	1:Y:731:GLY:HA3	2.45	0.47
14:Y:814:CLA:H51	17:Y:845:BCR:H343	1.96	0.47
2:Z:228:ASN:O	2:Z:231:VAL:HG22	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:264:THR:HG22	2:Z:363:PHE:CZ	2.49	0.47
2:Z:684:LEU:O	14:Z:840:CLA:HBC1	2.15	0.47
14:Z:810:CLA:HMA2	14:Z:811:CLA:HAB	1.95	0.47
1:A:464:THR:OG1	14:L:202:CLA:HBC3	2.14	0.47
14:A:823:CLA:HBA2	9:K:35:GLN:HG3	1.97	0.47
2:B:668:MET:HE1	14:B:840:CLA:HBC3	1.97	0.47
14:B:823:CLA:H41	14:B:823:CLA:H62	1.58	0.47
17:B:843:BCR:H351	17:B:843:BCR:H15C	1.62	0.47
4:D:17:LEU:HD22	4:D:21:ALA:HB2	1.97	0.47
1:G:600:PHE:CE2	1:G:732:VAL:HG22	2.50	0.47
14:H:832:CLA:H42	8:S:29:PHE:CE2	2.49	0.47
17:L:208:BCR:H351	17:L:208:BCR:H15C	1.67	0.47
10:U:130:GLY:HA3	17:U:1009:BCR:H383	1.97	0.47
11:V:9:TYR:HB3	17:V:101:BCR:H401	1.96	0.47
1:Y:141:SER:CB	1:Y:143:LEU:HG	2.45	0.47
1:Y:558:LEU:HD21	14:Y:821:CLA:H201	1.97	0.47
14:Y:832:CLA:H93	14:Z:840:CLA:H52	1.97	0.47
17:Y:852:BCR:H351	17:Y:852:BCR:H15C	1.77	0.47
2:Z:293:GLN:HE22	14:Z:813:CLA:HAA2	1.78	0.47
14:Z:818:CLA:H13	14:Z:835:CLA:HBA1	1.96	0.47
14:Z:833:CLA:HED2	14:Z:833:CLA:H2A	1.95	0.47
14:Z:837:CLA:C7	12:j:26:VAL:HG21	2.45	0.47
14:Z:838:CLA:H192	6:d:67:SER:CB	2.44	0.47
6:d:60:ALA:HA	6:d:64:LEU:HD13	1.96	0.47
10:h:61:PRO:HA	14:h:206:CLA:HMB2	1.96	0.47
1:A:201:LEU:O	1:A:308:PHE:HB3	2.14	0.47
1:A:442:SER:O	14:A:842:CLA:HED2	2.14	0.47
2:B:17:THR:HG21	14:B:839:CLA:CBB	2.45	0.47
14:B:808:CLA:H18	14:B:808:CLA:H152	1.69	0.47
17:B:842:BCR:H15C	17:B:842:BCR:H351	1.67	0.47
17:B:844:BCR:HC8	17:B:844:BCR:H321	1.97	0.47
17:B:845:BCR:C23	17:B:845:BCR:C40	2.93	0.47
3:C:28:VAL:HG12	4:D:109:ARG:HB3	1.96	0.47
1:G:442:SER:HB2	1:G:443:HIS:HD1	1.79	0.47
14:G:802:CLA:H192	14:H:802:CLA:H192	1.96	0.47
2:H:149:LEU:HD22	11:V:22:ALA:HA	1.97	0.47
2:H:677:TRP:HZ3	17:H:847:BCR:H391	1.79	0.47
6:Q:24:THR:OG1	8:S:35:ASP:OD2	2.31	0.47
10:U:31:ILE:O	10:U:37:TYR:HD2	1.98	0.47
17:V:101:BCR:H351	17:V:101:BCR:H15C	1.72	0.47
1:Y:100:TYR:O	1:Y:103:TRP:HB3	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:462:ASN:ND2	1:Y:537:MET:HE1	2.30	0.47
14:Y:828:CLA:O1D	14:Y:829:CLA:CMA	2.63	0.47
2:Z:20:ILE:O	2:Z:24:ILE:HG13	2.15	0.47
2:Z:60:VAL:HG11	17:Z:845:BCR:H393	1.95	0.47
2:Z:119:VAL:CG2	2:Z:123:TRP:CZ2	2.98	0.47
2:Z:451:THR:OG1	2:Z:454:LYS:HD3	2.14	0.47
10:h:85:LEU:HD23	10:h:85:LEU:HA	1.81	0.47
1:A:249:MET:O	1:A:251:GLU:N	2.48	0.47
1:A:276:SER:O	1:A:280:THR:HG22	2.15	0.47
1:A:457:GLY:HA3	14:L:202:CLA:HAB	1.97	0.47
1:G:406:VAL:HG11	1:G:602:MET:HB2	1.95	0.47
1:G:459:TYR:O	1:G:462:ASN:HB2	2.15	0.47
14:G:841:CLA:HHD	17:H:847:BCR:H383	1.97	0.47
2:H:222:ALA:O	2:H:226:THR:HG23	2.15	0.47
7:I:22:MET:N	7:I:23:PRO:HD2	2.30	0.47
1:Y:683:TRP:CG	13:Y:801:CL0:H5	2.50	0.47
14:Y:803:CLA:CAB	17:Y:853:BCR:H271	2.45	0.47
14:Y:823:CLA:HAA1	14:Y:823:CLA:CBD	2.45	0.47
14:Z:808:CLA:HBC1	11:i:11:ALA:O	2.14	0.47
17:Z:847:BCR:H351	17:Z:847:BCR:H15C	1.61	0.47
4:b:117:ARG:HH12	4:b:122:ASN:HA	1.79	0.47
6:d:53:VAL:HG12	6:d:63:PHE:HB2	1.97	0.47
1:A:702:GLU:OE1	2:B:550:SER:HB2	2.15	0.46
17:A:846:BCR:HC41	17:A:847:BCR:C38	2.45	0.46
2:B:575:ASP:HA	2:B:580:ASP:CG	2.40	0.46
3:C:64:ILE:HB	16:C:102:SF4:S3	2.55	0.46
6:F:76:TRP:O	6:F:80:VAL:HG13	2.16	0.46
14:G:805:CLA:H11	14:G:806:CLA:CBB	2.44	0.46
2:H:70:GLN:OE1	2:H:89:ALA:N	2.38	0.46
2:H:497:ASN:ND2	2:H:500:LEU:HD22	2.30	0.46
2:H:588:TRP:HH2	14:H:802:CLA:CAB	2.28	0.46
14:H:802:CLA:H41	14:H:802:CLA:H72	1.97	0.46
14:H:803:CLA:H3A	14:H:803:CLA:HBA2	1.59	0.46
14:H:809:CLA:H193	17:R:101:BCR:H353	1.97	0.46
9:K:20:ILE:N	14:K:101:CLA:OBD	2.48	0.46
6:Q:84:TYR:CD1	6:Q:105:LEU:HD23	2.50	0.46
17:S:1105:BCR:HC8	17:S:1105:BCR:C32	2.39	0.46
10:U:154:ASN:HD22	10:U:154:ASN:N	2.13	0.46
17:U:1009:BCR:H24C	17:U:1009:BCR:H371	1.65	0.46
2:Z:73:PHE:O	2:Z:77:VAL:HG13	2.15	0.46
1:A:337:THR:HG21	18:A:853:LHG:O1	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:407:GLY:O	1:A:410:ALA:HB3	2.15	0.46
1:A:604:ASN:O	1:A:608:VAL:HG23	2.16	0.46
2:B:11:LEU:CD1	2:B:26:MET:HE2	2.44	0.46
2:B:663:TRP:CZ3	14:B:801:CLA:HMA3	2.49	0.46
1:G:76:HIS:CE1	14:G:813:CLA:OBD	2.62	0.46
1:G:696:TYR:OH	14:G:802:CLA:OBD	2.34	0.46
14:G:841:CLA:H62	14:G:841:CLA:H41	1.70	0.46
2:H:320:MET:CE	18:H:849:LHG:O4	2.63	0.46
2:H:586:MET:CG	2:H:716:LEU:HD21	2.45	0.46
10:L:35:PRO:HB2	10:L:50:VAL:HG23	1.97	0.46
17:M:101:BCR:H15C	17:M:101:BCR:H351	1.73	0.46
9:T:25:PHE:O	9:T:29:LEU:HG	2.16	0.46
10:U:35:PRO:HG3	10:U:49:GLU:CD	2.40	0.46
1:Y:279:LEU:HA	1:Y:299:HIS:HB2	1.96	0.46
14:Y:802:CLA:H42	2:Z:657:LEU:CB	2.45	0.46
2:Z:255:THR:HG23	2:Z:271:ASP:OD1	2.15	0.46
1:A:713:VAL:O	14:A:840:CLA:HMD2	2.16	0.46
2:B:352:ALA:HB2	2:B:378:HIS:HB2	1.96	0.46
2:B:442:HIS:CD2	2:B:456:ILE:HG13	2.50	0.46
17:B:850:BCR:H401	8:J:33:TYR:CG	2.50	0.46
4:D:85:ILE:HG12	4:D:91:THR:HG23	1.97	0.46
4:D:101:PHE:HB3	4:D:103:GLU:OE1	2.15	0.46
1:G:385:THR:HG21	1:G:520:VAL:HG22	1.97	0.46
1:G:569:LYS:HZ3	2:H:679:GLU:CD	2.20	0.46
14:G:813:CLA:HMB1	14:G:813:CLA:HBB1	1.98	0.46
2:H:663:TRP:CD2	14:H:803:CLA:CMA	2.95	0.46
14:H:808:CLA:H92	14:H:829:CLA:H202	1.97	0.46
14:H:810:CLA:H172	17:U:1009:BCR:H362	1.96	0.46
8:J:9:SER:HA	8:J:14:LEU:HD11	1.97	0.46
4:O:100:VAL:HG21	4:O:106:ASN:HB2	1.97	0.46
17:T:102:BCR:H15C	17:T:102:BCR:H351	1.76	0.46
1:Y:384:ALA:HB1	1:Y:525:ALA:O	2.15	0.46
2:Z:154:LEU:HD21	2:Z:160:PHE:CD2	2.51	0.46
14:Z:810:CLA:HMA1	14:Z:811:CLA:CAB	2.39	0.46
17:d:203:BCR:HC8	17:d:203:BCR:C33	2.46	0.46
1:A:605:CYS:O	1:A:608:VAL:N	2.47	0.46
14:A:829:CLA:O1D	14:A:830:CLA:HHB	2.16	0.46
2:B:21:TRP:CE3	2:B:21:TRP:HA	2.51	0.46
2:B:360:PRO:HG3	14:B:817:CLA:HBA1	1.96	0.46
2:B:413:ARG:O	2:B:416:GLN:N	2.45	0.46
14:B:807:CLA:HAB	14:B:808:CLA:CAA	2.44	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:831:CLA:HHD	14:B:831:CLA:HBC2	1.95	0.46
1:G:393:LEU:HD11	14:G:829:CLA:HED3	1.97	0.46
14:G:803:CLA:H91	14:G:852:CLA:H102	1.98	0.46
14:G:839:CLA:H43	8:S:15:ALA:HA	1.97	0.46
14:G:853:CLA:CBB	14:H:831:CLA:H202	2.45	0.46
14:H:834:CLA:NC	14:H:835:CLA:HAB	2.31	0.46
17:H:850:BCR:H331	17:H:850:BCR:C8	2.46	0.46
1:Y:223:ILE:HD11	1:Y:239:PRO:HD3	1.97	0.46
1:Y:545:THR:HB	1:Y:605:CYS:HB3	1.96	0.46
14:Y:802:CLA:O1D	14:Z:803:CLA:HBB1	2.14	0.46
2:Z:266:SER:HB3	2:Z:362:ALA:HA	1.96	0.46
2:Z:419:GLU:OE2	2:Z:419:GLU:N	2.42	0.46
2:Z:459:GLU:HG3	6:d:5:LEU:HD11	1.97	0.46
17:Z:845:BCR:H383	17:Z:845:BCR:C23	2.44	0.46
1:A:649:TRP:CG	13:A:801:CL0:H51	2.50	0.46
14:A:822:CLA:H72	14:A:825:CLA:H93	1.98	0.46
2:B:526:HIS:CE1	2:B:599:TYR:HE2	2.34	0.46
1:G:526:MET:HE1	1:G:617:MET:HE1	1.96	0.46
9:K:43:LEU:HD22	9:K:56:LEU:HB2	1.96	0.46
1:Y:77:PHE:CE1	14:Y:813:CLA:HED1	2.51	0.46
1:Y:398:MET:HE1	14:Y:826:CLA:CMD	2.45	0.46
1:Y:405:VAL:HG13	17:Y:848:BCR:H343	1.97	0.46
1:Y:455:SER:OG	1:Y:456:PHE:N	2.48	0.46
1:Y:744:TRP:CD2	17:Y:849:BCR:H313	2.51	0.46
2:Z:40:ASN:HA	2:Z:43:GLN:OE1	2.16	0.46
2:Z:598:PHE:CE2	2:Z:630:LEU:HD21	2.50	0.46
2:Z:662:VAL:HG22	2:Z:718:HIS:O	2.15	0.46
2:Z:665:THR:N	14:Z:804:CLA:HAB	2.31	0.46
4:b:95:HIS:CB	4:b:96:PRO:HD3	2.37	0.46
6:d:92:GLY:C	6:d:94:ALA:H	2.23	0.46
6:d:99:ILE:O	8:f:11:ALA:N	2.45	0.46
14:A:828:CLA:H172	14:A:834:CLA:H91	1.96	0.46
2:B:376:THR:HG22	2:B:597:THR:HG22	1.98	0.46
2:B:383:GLY:CA	2:B:589:MET:HE3	2.43	0.46
1:G:13:ARG:HH21	1:G:188:GLU:CD	2.21	0.46
2:H:387:VAL:HG13	2:H:540:LEU:HD21	1.97	0.46
9:K:36:SER:HB2	9:K:39:LYS:HB2	1.98	0.46
10:L:40:GLY:O	10:U:114:SER:HB3	2.15	0.46
14:L:202:CLA:HED2	14:L:202:CLA:H2A	1.98	0.46
17:U:1009:BCR:H351	17:U:1009:BCR:H15C	1.72	0.46
1:Y:513:PHE:CE1	14:Y:827:CLA:HBC2	2.51	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:744:TRP:CE2	17:Y:849:BCR:H313	2.51	0.46
2:Z:471:GLY:HA2	2:Z:482:SER:HB3	1.97	0.46
2:Z:650:SER:HB3	14:Z:810:CLA:HBC1	1.98	0.46
14:Z:835:CLA:HBA2	14:Z:835:CLA:H3A	1.65	0.46
14:Z:838:CLA:CGA	14:Z:838:CLA:C1A	2.94	0.46
1:A:438:ASP:OD1	1:A:564:ARG:NH1	2.46	0.46
17:A:846:BCR:H372	9:K:61:ALA:HB1	1.98	0.46
1:G:210:LEU:HD11	17:T:102:BCR:C10	2.46	0.46
2:H:314:VAL:HG21	14:H:822:CLA:HMA1	1.98	0.46
14:H:806:CLA:HBB2	14:H:828:CLA:CMC	2.44	0.46
14:U:1002:CLA:H202	14:U:1002:CLA:O1A	2.15	0.46
14:U:1003:CLA:C4C	17:U:1005:BCR:H281	2.46	0.46
14:U:1004:CLA:HAB	14:U:1007:CLA:C9	2.46	0.46
1:Y:97:PHE:CE1	14:Y:807:CLA:HED2	2.51	0.46
1:Y:313:HIS:CE1	17:Y:844:BCR:C36	2.90	0.46
1:Y:669:LEU:HD13	1:Y:749:ALA:HA	1.96	0.46
14:Y:839:CLA:O1D	6:d:85:LEU:HD21	2.15	0.46
2:Z:671:ILE:HB	14:Z:804:CLA:HBC1	1.98	0.46
14:Z:834:CLA:HMB1	14:Z:834:CLA:HBB1	1.96	0.46
1:A:90:MET:HE1	14:A:809:CLA:HMA2	1.97	0.46
14:A:805:CLA:HAB	14:A:807:CLA:CAD	2.46	0.46
17:A:850:BCR:C8	17:A:850:BCR:H331	2.46	0.46
2:B:159:LYS:H	2:B:159:LYS:HD2	1.81	0.46
2:B:164:LEU:HG	2:B:168:LYS:HD2	1.97	0.46
2:B:707:SER:N	2:B:710:GLN:HE21	2.10	0.46
3:C:74:ARG:NH2	4:D:25:GLU:OE1	2.31	0.46
1:G:601:TRP:HH2	14:G:803:CLA:HAB	1.80	0.46
2:H:334:HIS:CG	2:H:395:ILE:HG22	2.51	0.46
2:H:738:LYS:O	2:H:739:PHE:HB2	2.16	0.46
17:H:846:BCR:H351	17:H:846:BCR:H15C	1.73	0.46
17:J:104:BCR:H351	17:J:104:BCR:H15C	1.59	0.46
9:K:37:ARG:CZ	9:K:37:ARG:HB2	2.46	0.46
5:P:15:TYR:CD2	5:P:44:ASN:HA	2.50	0.46
8:S:41:LEU:HA	14:S:1103:CLA:HED1	1.98	0.46
1:Y:34:PHE:HB2	1:Y:61:HIS:CG	2.51	0.46
1:Y:651:ARG:HD2	2:Z:639:ASN:HD21	1.81	0.46
17:Y:847:BCR:C8	17:Y:847:BCR:H331	2.46	0.46
2:Z:671:ILE:HB	14:Z:804:CLA:CBC	2.45	0.46
1:A:357:ALA:HA	1:A:408:GLY:HA2	1.98	0.46
1:A:584:GLY:C	2:B:674:ARG:NH1	2.74	0.46
1:A:681:PHE:CD1	17:A:851:BCR:H363	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:528:ALA:O	2:B:531:LEU:HB3	2.15	0.46
2:B:702:LYS:NZ	3:C:73:THR:OG1	2.46	0.46
1:G:583:ARG:HG3	3:N:48:VAL:HG13	1.96	0.46
2:H:303:MET:HA	14:H:822:CLA:O1D	2.16	0.46
2:H:446:VAL:CG2	2:H:454:LYS:HB2	2.46	0.46
2:H:618:SER:HA	2:H:621:TYR:CE2	2.51	0.46
14:H:814:CLA:HMA3	17:H:844:BCR:H282	1.98	0.46
10:L:48:LEU:HD11	10:U:126:VAL:HG23	1.98	0.46
6:Q:99:ILE:HB	14:S:1101:CLA:HMD1	1.98	0.46
9:T:57:PRO:HA	9:T:60:LEU:HD12	1.97	0.46
10:U:42:SER:OG	10:U:44:ILE:HG22	2.15	0.46
12:X:18:LEU:O	12:X:18:LEU:HD12	2.16	0.46
1:Y:601:TRP:HH2	14:Y:802:CLA:CAB	2.25	0.46
2:Z:339:TRP:HE1	14:Z:825:CLA:C2B	2.29	0.46
14:Z:810:CLA:H91	14:Z:841:CLA:O2A	2.16	0.46
14:h:204:CLA:HBA2	14:h:204:CLA:H3A	1.75	0.46
1:A:79:HIS:O	1:A:83:VAL:HG23	2.16	0.46
1:A:685:PHE:N	14:A:802:CLA:HAB	2.31	0.46
2:B:242:VAL:HG13	2:B:263:GLN:NE2	2.31	0.46
2:B:398:VAL:HG22	2:B:547:ALA:O	2.16	0.46
2:B:710:GLN:CB	19:B:848:LMG:O9	2.64	0.46
1:G:309:ILE:HG22	1:G:313:HIS:HE1	1.81	0.46
14:G:803:CLA:H91	14:G:852:CLA:C10	2.46	0.46
2:H:291:ARG:NH2	2:H:302:GLU:OE1	2.49	0.46
2:H:548:ARG:HD3	6:Q:141:ARG:O	2.16	0.46
14:H:838:CLA:HHC	14:H:838:CLA:CBB	2.45	0.46
10:L:19:THR:N	10:L:22:SER:OG	2.38	0.46
17:S:1104:BCR:H15C	17:S:1104:BCR:H351	1.67	0.46
14:U:1007:CLA:CMC	14:Z:804:CLA:H91	2.46	0.46
1:Y:142:GLY:O	14:Y:829:CLA:HED1	2.16	0.46
1:Y:297:THR:O	1:Y:301:HIS:CD2	2.69	0.46
13:Y:801:CL0:H22	2:Z:631:TRP:CD1	2.51	0.46
17:Y:853:BCR:H403	17:Y:853:BCR:C23	2.41	0.46
2:Z:141:LEU:HG	17:Z:845:BCR:H382	1.98	0.46
2:Z:198:ILE:CG1	2:Z:199:PRO:HD3	2.36	0.46
2:Z:462:PHE:O	2:Z:466:ILE:HG13	2.14	0.46
1:A:197:LEU:CD1	1:A:325:LEU:HD11	2.46	0.45
1:A:497:ALA:N	1:A:498:PRO:HD2	2.31	0.45
2:B:200:GLU:OE2	2:B:205:HIS:ND1	2.49	0.45
2:B:435:HIS:O	2:B:439:LEU:HG	2.16	0.45
14:B:824:CLA:H43	14:B:837:CLA:HBA1	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D:39:PHE:CE2	4:D:67:LEU:HD11	2.51	0.45
1:G:292:LEU:O	1:G:293:TRP:C	2.58	0.45
14:G:804:CLA:HBA2	14:G:804:CLA:H3A	1.72	0.45
14:G:825:CLA:HMB1	14:G:825:CLA:HBB1	1.98	0.45
17:G:847:BCR:H15C	17:G:847:BCR:H351	1.74	0.45
2:H:318:PHE:HB2	14:H:823:CLA:HMA1	1.96	0.45
2:H:513:SER:HA	2:H:516:LEU:HG	1.98	0.45
2:H:601:HIS:O	2:H:605:LEU:HG	2.16	0.45
14:H:817:CLA:O1D	14:H:818:CLA:CMA	2.64	0.45
7:I:20:TRP:HE3	14:h:206:CLA:H162	1.81	0.45
10:L:76:LEU:HD11	10:h:141:ASN:ND2	2.31	0.45
3:N:4:VAL:HG22	3:N:66:VAL:HG22	1.98	0.45
5:P:6:LYS:HD2	5:P:22:THR:HG22	1.98	0.45
14:U:1002:CLA:HBA1	17:U:1009:BCR:H363	1.97	0.45
1:Y:510:SER:C	1:Y:512:ALA:H	2.24	0.45
1:Y:733:ALA:HA	18:Y:850:LHG:H342	1.98	0.45
2:Z:110:ASN:HB3	7:e:3:GLY:HA2	1.98	0.45
2:Z:427:TRP:CE2	14:Z:832:CLA:HAB	2.51	0.45
2:Z:582:PHE:CE1	2:Z:586:MET:HG3	2.51	0.45
4:b:80:TYR:HE1	4:b:95:HIS:CE1	2.33	0.45
7:e:22:MET:O	7:e:26:VAL:HG22	2.15	0.45
8:f:17:ILE:HD12	8:f:18:TRP:N	2.31	0.45
1:A:139:ILE:HB	14:A:809:CLA:OBD	2.16	0.45
1:A:237:PRO:HG2	1:A:242:PHE:CE2	2.51	0.45
1:A:267:PHE:CZ	17:A:846:BCR:H343	2.52	0.45
1:A:376:ALA:HA	1:A:526:MET:HE3	1.99	0.45
1:A:510:SER:C	1:A:512:ALA:N	2.74	0.45
14:A:803:CLA:HBB1	14:B:802:CLA:CHB	2.47	0.45
14:A:803:CLA:HED2	2:B:660:HIS:CD2	2.52	0.45
2:B:160:PHE:CD2	14:B:810:CLA:O2D	2.70	0.45
2:B:656:PHE:HE1	2:B:730:PHE:HB2	1.81	0.45
5:E:23:VAL:HG12	5:E:38:VAL:HG22	1.98	0.45
6:F:107:ILE:HA	6:F:110:MET:HE2	1.96	0.45
2:H:67:VAL:O	2:H:71:GLY:HA3	2.16	0.45
2:H:153:TRP:CH2	14:H:851:CLA:O2D	2.68	0.45
2:H:178:LEU:HD11	14:H:824:CLA:HED1	1.98	0.45
9:K:24:LEU:HD21	9:K:69:LEU:HB3	1.98	0.45
4:O:42:PRO:HD2	4:O:58:PHE:CZ	2.50	0.45
6:Q:101:ILE:CG1	8:S:14:LEU:HD12	2.46	0.45
7:R:20:TRP:HE3	14:U:1004:CLA:H13	1.80	0.45
14:Z:802:CLA:H2A	14:Z:802:CLA:O2D	2.15	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:828:CLA:O1D	14:Z:829:CLA:CMA	2.63	0.45
1:A:56:HIS:CE1	14:A:807:CLA:O1A	2.68	0.45
1:A:345:TYR:O	1:A:349:THR:HG23	2.16	0.45
1:A:354:ALA:HB1	17:A:849:BCR:H313	1.98	0.45
14:A:803:CLA:H171	14:B:809:CLA:CMC	2.46	0.45
14:A:829:CLA:O1D	14:A:830:CLA:HMA1	2.16	0.45
14:G:833:CLA:H2A	14:G:833:CLA:O2D	2.17	0.45
17:L:207:BCR:H24C	17:L:207:BCR:H371	1.61	0.45
17:S:1104:BCR:H371	17:S:1104:BCR:H24C	1.77	0.45
10:U:37:TYR:CE1	2:Z:696:LEU:HD21	2.51	0.45
12:W:28:ALA:CB	12:W:34:LEU:HD12	2.47	0.45
1:Y:398:MET:CE	14:Y:826:CLA:HMD2	2.46	0.45
1:Y:573:GLY:O	1:Y:576:PHE:CE1	2.70	0.45
14:Y:808:CLA:H71	14:Y:830:CLA:H172	1.98	0.45
14:Y:827:CLA:HED1	14:Y:833:CLA:CAB	2.47	0.45
14:Y:828:CLA:HBA2	14:Y:828:CLA:H3A	1.68	0.45
17:Y:845:BCR:H15C	17:Y:845:BCR:H351	1.73	0.45
2:Z:92:ASP:OD1	2:Z:94:GLN:NE2	2.43	0.45
2:Z:637:LEU:HD12	2:Z:733:ALA:CB	2.41	0.45
2:Z:676:TYR:CE2	14:Z:804:CLA:HMD2	2.51	0.45
3:a:5:LYS:HD3	4:b:113:ASN:HB3	1.98	0.45
17:e:101:BCR:H351	17:e:101:BCR:H15C	1.69	0.45
9:g:67:HIS:O	9:g:70:ALA:HB3	2.16	0.45
2:B:28:HIS:CD2	14:B:804:CLA:HBB2	2.51	0.45
14:B:803:CLA:O2A	11:M:26:SER:HB3	2.16	0.45
14:B:833:CLA:HMB1	14:B:833:CLA:HBB1	1.98	0.45
1:G:76:HIS:HB3	14:G:813:CLA:CGD	2.47	0.45
1:G:281:PHE:HB2	14:G:817:CLA:O1D	2.16	0.45
14:G:819:CLA:CGA	14:G:819:CLA:H3A	2.47	0.45
14:G:827:CLA:HED1	14:G:834:CLA:CAB	2.47	0.45
2:H:68:ALA:HB1	11:V:3:LEU:HD13	1.98	0.45
2:H:69:TRP:CD1	7:R:5:TYR:HB2	2.51	0.45
2:H:119:VAL:HG22	2:H:123:TRP:CZ2	2.51	0.45
2:H:241:HIS:HE1	2:H:245:THR:O	1.99	0.45
2:H:432:LEU:HD21	14:H:837:CLA:C3B	2.46	0.45
1:Y:201:LEU:O	1:Y:308:PHE:HB3	2.16	0.45
1:Y:366:LEU:CD2	14:Y:829:CLA:HBC1	2.47	0.45
1:Y:622:TRP:O	1:Y:633:HIS:HA	2.17	0.45
1:Y:712:LYS:O	6:d:89:ARG:NH2	2.49	0.45
17:Y:852:BCR:H352	14:Z:841:CLA:HBA1	1.98	0.45
2:Z:166:TRP:CZ2	14:Z:814:CLA:HAC2	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:808:CLA:HMB3	14:Z:809:CLA:HHB	1.98	0.45
14:Z:811:CLA:HED2	14:Z:811:CLA:H12	1.98	0.45
14:Z:814:CLA:H62	14:Z:819:CLA:HBC3	1.99	0.45
3:a:6:ILE:HD12	4:b:113:ASN:O	2.15	0.45
17:h:202:BCR:H331	14:h:204:CLA:CBB	2.47	0.45
1:A:86:TRP:HE1	14:A:809:CLA:HBA1	1.81	0.45
1:A:97:PHE:O	1:A:114:ALA:HA	2.16	0.45
1:A:152:ILE:HA	14:A:815:CLA:HED1	1.98	0.45
1:A:651:ARG:HD2	2:B:639:ASN:HD21	1.82	0.45
17:A:850:BCR:H351	17:A:850:BCR:H15C	1.84	0.45
2:B:129:ARG:HD3	2:B:129:ARG:HA	1.87	0.45
2:B:339:TRP:CD2	14:B:825:CLA:H91	2.52	0.45
2:B:564:PRO:HB3	2:B:708:ILE:HG21	1.99	0.45
2:B:598:PHE:HD2	14:B:801:CLA:H101	1.80	0.45
17:B:842:BCR:C8	17:B:842:BCR:C33	2.90	0.45
1:G:52:HIS:HD2	14:G:804:CLA:HHD	1.80	0.45
17:G:849:BCR:H403	17:G:849:BCR:C23	2.36	0.45
2:H:497:ASN:O	2:H:499:TRP:CE3	2.70	0.45
14:H:839:CLA:CBB	15:H:841:PQN:H141	2.44	0.45
3:N:20:CYS:HA	16:N:101:SF4:S4	2.56	0.45
9:T:20:ILE:HD13	9:T:74:VAL:HG22	1.99	0.45
14:Y:836:CLA:HBB1	14:Y:836:CLA:HMB3	1.99	0.45
17:Y:852:BCR:H382	17:Y:852:BCR:H23C	1.97	0.45
14:Z:814:CLA:H151	14:Z:814:CLA:H112	1.72	0.45
6:d:41:ALA:HA	6:d:59:ARG:NH2	2.31	0.45
17:d:203:BCR:H331	17:d:203:BCR:HC8	1.99	0.45
17:A:848:BCR:H351	17:A:848:BCR:H15C	1.79	0.45
2:B:243:PHE:CD2	2:B:264:THR:HG21	2.51	0.45
2:B:453:GLU:HA	6:F:48:LEU:HD22	1.98	0.45
1:G:91:TYR:CE2	1:G:147:TRP:CZ3	3.05	0.45
1:G:278:PHE:O	1:G:279:LEU:HD23	2.16	0.45
14:G:811:CLA:HBA2	14:G:811:CLA:H3A	1.57	0.45
17:G:848:BCR:H393	17:G:848:BCR:C27	2.47	0.45
17:I:101:BCR:H351	17:I:101:BCR:H15C	1.75	0.45
1:Y:64:ASP:O	1:Y:68:ILE:HG13	2.17	0.45
1:Y:84:PHE:CZ	1:Y:168:MET:HG2	2.52	0.45
1:Y:97:PHE:O	1:Y:114:ALA:HA	2.17	0.45
1:Y:455:SER:O	1:Y:458:LEU:HB2	2.16	0.45
1:Y:456:PHE:HE1	14:Y:802:CLA:HMA1	1.81	0.45
1:Y:462:ASN:HD21	1:Y:475:PHE:HB2	1.81	0.45
17:Y:844:BCR:C38	17:Y:844:BCR:C23	2.95	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:615:PHE:O	2:Z:619:SER:OG	2.18	0.45
2:Z:638:ILE:HD12	2:Z:638:ILE:HA	1.79	0.45
2:Z:668:MET:HE2	14:Z:804:CLA:C1B	2.47	0.45
14:Z:809:CLA:H121	14:Z:828:CLA:H152	1.97	0.45
10:h:50:VAL:HG12	10:h:124:PHE:CD2	2.51	0.45
17:h:202:BCR:H15C	17:h:202:BCR:H351	1.81	0.45
1:A:45:THR:HG22	1:A:720:ARG:H	1.82	0.45
14:A:802:CLA:HBB1	14:A:854:CLA:CHC	2.47	0.45
2:B:198:ILE:HD13	2:B:253:ILE:HG22	1.99	0.45
2:B:361:TYR:HE2	14:B:827:CLA:HED2	1.82	0.45
17:B:847:BCR:H351	17:B:847:BCR:H15C	1.71	0.45
1:G:482:LEU:O	1:G:533:THR:HA	2.17	0.45
2:H:491:ALA:C	2:H:493:PRO:HD2	2.42	0.45
2:H:558:ASP:OD1	4:O:135:PRO:HB3	2.16	0.45
14:H:837:CLA:H42	14:H:837:CLA:C4C	2.46	0.45
17:H:847:BCR:H351	17:H:847:BCR:H15C	1.56	0.45
3:N:59:THR:HA	5:P:58:ASN:ND2	2.32	0.45
8:S:11:ALA:N	8:S:12:PRO:CD	2.80	0.45
1:Y:120:ILE:O	1:Y:122:GLY:N	2.50	0.45
14:Y:806:CLA:HMA2	14:Y:830:CLA:C3B	2.47	0.45
17:Y:846:BCR:H383	17:Y:846:BCR:C23	2.46	0.45
17:Y:853:BCR:H371	17:Y:853:BCR:H24C	1.80	0.45
2:Z:446:VAL:HG21	2:Z:454:LYS:CB	2.46	0.45
14:Z:812:CLA:H62	14:Z:812:CLA:H41	1.74	0.45
14:Z:833:CLA:H52	17:Z:848:BCR:H312	1.98	0.45
4:b:67:LEU:HD12	4:b:71:GLN:HG3	1.98	0.45
1:A:215:HIS:CE1	1:A:219:VAL:HG21	2.52	0.45
2:B:552:LEU:O	2:B:570:ARG:NE	2.44	0.45
2:B:666:GLY:CA	2:B:718:HIS:HB2	2.47	0.45
3:C:78:LEU:C	4:D:60:ARG:HD2	2.42	0.45
6:F:58:SER:OG	6:F:59:ARG:HG2	2.16	0.45
1:G:399:TRP:HZ3	1:G:603:TYR:HA	1.81	0.45
1:G:431:ASP:O	1:G:435:ARG:HG3	2.17	0.45
1:G:724:ILE:HD11	2:H:572:GLY:HA3	1.98	0.45
14:G:821:CLA:HBD	14:G:821:CLA:HBA2	1.98	0.45
2:H:693:LEU:HD23	10:h:37:TYR:HE1	1.80	0.45
14:H:811:CLA:HHC	14:H:811:CLA:HBB1	1.98	0.45
9:K:56:LEU:HB3	9:K:57:PRO:CD	2.47	0.45
14:L:204:CLA:C2C	14:L:204:CLA:H93	2.46	0.45
3:N:6:ILE:HG13	3:N:64:ILE:HG13	1.98	0.45
4:O:12:GLY:HA2	10:h:12:PRO:O	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:14:VAL:HG23	1:Y:189:TRP:NE1	2.32	0.45
1:Y:280:THR:OG1	1:Y:296:ASP:OD1	2.21	0.45
2:Z:146:SER:O	11:i:21:LEU:HD13	2.15	0.45
2:Z:222:ALA:O	2:Z:226:THR:HG23	2.16	0.45
2:Z:243:PHE:CE1	2:Z:269:LEU:HD11	2.52	0.45
2:Z:320:MET:HB2	2:Z:322:HIS:HE1	1.82	0.45
2:Z:521:GLY:HA3	2:Z:619:SER:OG	2.17	0.45
2:Z:663:TRP:CE2	14:Z:803:CLA:CMA	3.00	0.45
17:i:101:BCR:HC8	17:i:101:BCR:H321	1.99	0.45
1:A:189:TRP:CZ2	14:A:814:CLA:HAC2	2.51	0.45
1:A:306:VAL:O	1:A:310:ILE:HG12	2.17	0.45
2:B:241:HIS:HD2	2:B:261:HIS:HE1	1.65	0.45
2:B:254:LEU:HD11	14:B:814:CLA:HAC1	1.98	0.45
2:B:433:GLY:HA2	2:B:531:LEU:HD22	1.99	0.45
14:B:804:CLA:HBC2	14:B:828:CLA:CMA	2.47	0.45
17:F:201:BCR:H351	17:F:201:BCR:H15C	1.77	0.45
1:G:76:HIS:O	1:G:80:LEU:HG	2.17	0.45
1:G:212:TRP:CE3	14:G:819:CLA:HMD1	2.51	0.45
14:G:809:CLA:HBB1	14:G:809:CLA:HMB3	1.98	0.45
17:G:849:BCR:HC8	17:G:849:BCR:C32	2.47	0.45
8:J:11:ALA:N	8:J:12:PRO:HD2	2.32	0.45
9:K:62:THR:O	9:K:66:GLY:N	2.41	0.45
10:L:130:GLY:HA3	17:L:208:BCR:C38	2.29	0.45
3:N:13:CYS:C	3:N:14:THR:HG22	2.42	0.45
1:Y:323:HIS:HB3	1:Y:328:ILE:HD11	1.99	0.45
1:Y:366:LEU:O	1:Y:369:ILE:N	2.48	0.45
1:Y:584:GLY:HA2	3:a:76:MET:HE3	1.99	0.45
14:Y:818:CLA:H3A	14:Y:818:CLA:HBA2	1.58	0.45
14:Y:828:CLA:O1D	14:Y:829:CLA:HMA1	2.16	0.45
14:Y:832:CLA:O2A	14:Y:841:CLA:H42	2.16	0.45
17:Y:845:BCR:H331	17:Y:845:BCR:C8	2.45	0.45
17:Y:852:BCR:H362	14:Z:804:CLA:H111	1.98	0.45
2:Z:84:ARG:HB3	2:Z:114:ILE:HD12	1.98	0.45
2:Z:145:ALA:O	2:Z:148:ALA:HB3	2.17	0.45
2:Z:320:MET:SD	18:j:101:LHG:HC5	2.57	0.45
2:Z:375:TYR:CE2	2:Z:379:GLN:HG3	2.51	0.45
2:Z:723:TYR:HE2	14:Z:803:CLA:CGA	2.30	0.45
14:Z:810:CLA:HMB2	14:Z:811:CLA:CHC	2.46	0.45
17:Z:844:BCR:H351	17:Z:844:BCR:H15C	1.68	0.45
14:d:201:CLA:H71	14:d:201:CLA:H2	1.99	0.45
1:A:76:HIS:ND1	14:A:814:CLA:OBD	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:212:TRP:CZ2	14:A:820:CLA:OBD	2.69	0.45
14:A:815:CLA:CBB	17:A:848:BCR:H362	2.47	0.45
15:A:844:PQN:H142	17:F:201:BCR:H271	1.99	0.45
2:B:614:GLN:HG3	2:B:615:PHE:N	2.32	0.45
14:B:839:CLA:H142	17:I:102:BCR:HC8	1.97	0.45
6:F:52:VAL:HG12	6:F:54:ASP:HB2	1.99	0.45
1:G:200:HIS:O	1:G:205:LEU:HG	2.17	0.45
1:G:422:PRO:O	1:G:425:ASN:N	2.49	0.45
1:G:542:HIS:CE1	1:G:609:VAL:HA	2.52	0.45
14:G:840:CLA:C4A	14:G:840:CLA:HBA2	2.47	0.45
2:H:59:TRP:CE3	2:H:60:VAL:HG23	2.51	0.45
2:H:100:VAL:HG12	7:R:1:MET:HE2	1.99	0.45
4:O:15:GLY:HA3	4:O:43:THR:O	2.16	0.45
8:S:18:TRP:HA	8:S:18:TRP:CE3	2.51	0.45
9:T:20:ILE:HD13	9:T:74:VAL:CG2	2.47	0.45
1:Y:433:VAL:HG21	14:Y:821:CLA:H203	1.99	0.45
2:Z:390:PHE:HB2	2:Z:540:LEU:HD22	2.00	0.45
2:Z:444:ASP:OD1	2:Z:621:TYR:HB2	2.17	0.45
2:Z:665:THR:O	2:Z:668:MET:N	2.48	0.45
14:Z:806:CLA:H3A	14:Z:806:CLA:HBA1	1.76	0.45
14:Z:807:CLA:H143	14:Z:807:CLA:H162	1.92	0.45
10:h:51:GLY:O	10:h:128:ALA:HA	2.17	0.45
1:A:440:ILE:HG23	14:A:838:CLA:HBB2	1.99	0.44
2:B:582:PHE:CD2	2:B:582:PHE:C	2.95	0.44
14:B:810:CLA:H2A	14:B:810:CLA:O1D	2.18	0.44
14:B:826:CLA:H203	14:B:826:CLA:H162	1.84	0.44
5:E:54:GLY:O	5:E:55:VAL:O	2.35	0.44
1:G:52:HIS:HB2	18:G:850:LHG:H102	2.00	0.44
1:G:92:PHE:CD1	14:G:807:CLA:HAC2	2.52	0.44
1:G:196:MET:HE2	14:G:813:CLA:HBC2	1.99	0.44
14:G:828:CLA:O1D	14:G:829:CLA:HHB	2.17	0.44
2:H:261:HIS:CD2	2:H:264:THR:HG23	2.52	0.44
14:H:824:CLA:H41	14:H:826:CLA:C4	2.47	0.44
7:I:10:LEU:HB2	7:I:11:PRO:HD3	1.99	0.44
6:Q:37:ARG:NH1	8:S:36:LEU:HD23	2.32	0.44
1:Y:90:MET:CE	14:Y:808:CLA:HED2	2.48	0.44
1:Y:476:SER:HB3	1:Y:644:ILE:HD12	1.99	0.44
1:Y:682:ILE:O	1:Y:685:PHE:HB3	2.17	0.44
2:Z:159:LYS:H	2:Z:159:LYS:HD2	1.82	0.44
2:Z:294:PHE:HE2	14:Z:813:CLA:HMA3	1.83	0.44
2:Z:605:LEU:HD12	2:Z:605:LEU:HA	1.82	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:656:PHE:CE1	2:Z:730:PHE:HB2	2.51	0.44
2:Z:711:ALA:CB	15:Z:842:PQN:C8	2.95	0.44
6:d:1:ASP:CG	6:d:2:VAL:H	2.25	0.44
6:d:69:LEU:HD13	14:f:102:CLA:HAB	1.99	0.44
1:A:401:GLY:O	1:A:402:GLY:C	2.60	0.44
1:A:583:ARG:NH2	4:D:62:GLU:OE2	2.46	0.44
2:B:669:PHE:HB2	2:B:715:GLY:CA	2.47	0.44
2:B:691:THR:OG1	14:L:201:CLA:HHB	2.17	0.44
14:B:832:CLA:HAA2	14:B:832:CLA:HBD	1.99	0.44
3:C:37:GLN:HB3	4:D:105:VAL:HG21	2.00	0.44
1:G:53:ALA:HB2	18:G:850:LHG:HC91	1.99	0.44
1:G:286:ASN:HB3	1:G:289:THR:OG1	2.17	0.44
17:H:850:BCR:H363	17:Q:201:BCR:HC22	1.99	0.44
7:I:22:MET:O	7:I:25:VAL:HG22	2.16	0.44
10:L:42:SER:O	10:L:43:PRO:C	2.58	0.44
10:L:67:PRO:C	10:L:68:LEU:HD23	2.42	0.44
17:S:1104:BCR:H19C	17:S:1105:BCR:H362	1.99	0.44
17:S:1105:BCR:H351	17:S:1105:BCR:H15C	1.69	0.44
10:U:125:PHE:C	10:U:125:PHE:CD1	2.95	0.44
10:U:131:SER:O	10:U:134:VAL:HG12	2.16	0.44
11:V:12:LEU:HB3	17:V:101:BCR:C21	2.47	0.44
1:Y:429:VAL:HG23	14:Y:824:CLA:HBC3	1.98	0.44
1:Y:694:ARG:HH22	1:Y:720:ARG:HB3	1.82	0.44
2:Z:9:GLN:HA	2:Z:12:ALA:HB3	1.98	0.44
2:Z:522:ASP:O	2:Z:526:HIS:HD2	1.99	0.44
5:c:48:TYR:O	5:c:51:SER:HB3	2.17	0.44
1:A:533:THR:O	1:A:536:PHE:HB3	2.17	0.44
1:A:708:HIS:HB3	1:A:714:ALA:HA	1.99	0.44
2:B:76:TRP:CZ2	2:B:80:PRO:HB3	2.53	0.44
2:B:189:TRP:HZ2	14:B:817:CLA:OBD	1.97	0.44
2:B:595:TRP:CE2	14:B:801:CLA:H152	2.51	0.44
2:B:595:TRP:NE1	14:B:801:CLA:H152	2.32	0.44
2:H:334:HIS:CE1	14:H:829:CLA:HED1	2.51	0.44
2:H:451:THR:HG22	6:Q:22:VAL:HG11	2.00	0.44
10:L:35:PRO:HG3	10:L:49:GLU:HG2	1.98	0.44
17:L:207:BCR:H331	17:L:207:BCR:C8	2.47	0.44
3:N:71:GLU:HB3	3:N:76:MET:HG3	2.00	0.44
4:O:50:ARG:N	4:O:54:ASN:HD21	2.15	0.44
6:Q:23:ASN:ND2	6:Q:31:GLY:H	2.11	0.44
9:T:20:ILE:HG13	9:T:21:LEU:H	1.83	0.44
9:T:24:LEU:HD22	9:T:69:LEU:O	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:U:75:ASN:OD1	10:U:139:LEU:HB3	2.16	0.44
1:Y:352:TRP:HZ3	14:Y:825:CLA:H91	1.82	0.44
14:Y:827:CLA:HHC	14:Y:827:CLA:HBB1	1.99	0.44
2:Z:88:HIS:ND1	2:Z:89:ALA:O	2.45	0.44
2:Z:184:VAL:HG13	17:Z:844:BCR:HC31	1.99	0.44
2:Z:321:PRO:HB2	2:Z:409:ASN:HA	1.99	0.44
14:Z:829:CLA:H3A	14:Z:829:CLA:HBA2	1.69	0.44
1:A:281:PHE:CD2	14:A:819:CLA:HMB3	2.52	0.44
1:A:466:ARG:HD3	1:A:474:MET:HE1	1.99	0.44
2:B:455:GLN:HB3	2:B:457:LEU:CD2	2.46	0.44
14:B:808:CLA:H203	7:I:26:VAL:HG23	1.99	0.44
14:B:818:CLA:CMD	14:B:820:CLA:HAB	2.48	0.44
1:G:710:LYS:HE2	6:Q:130:THR:HB	1.98	0.44
2:H:73:PHE:O	2:H:76:TRP:N	2.50	0.44
2:H:497:ASN:HD22	2:H:500:LEU:HD22	1.82	0.44
2:H:654:TRP:CZ3	17:H:847:BCR:H323	2.52	0.44
9:K:65:PHE:CD1	9:K:68:LEU:HD21	2.53	0.44
6:Q:84:TYR:O	6:Q:88:VAL:HG13	2.17	0.44
1:Y:205:LEU:HD22	14:Y:819:CLA:HMC2	1.99	0.44
1:Y:657:GLN:HB3	1:Y:750:ARG:HD3	1.98	0.44
2:Z:114:ILE:O	14:Z:809:CLA:HMD1	2.17	0.44
2:Z:168:LYS:HZ1	2:Z:331:ASN:HA	1.83	0.44
2:Z:321:PRO:O	2:Z:409:ASN:HB2	2.18	0.44
2:Z:453:GLU:O	6:d:49:PRO:HG2	2.17	0.44
14:Z:814:CLA:C6	14:Z:819:CLA:HBC3	2.46	0.44
14:Z:834:CLA:C1A	14:Z:834:CLA:HED2	2.48	0.44
3:a:17:VAL:HG12	3:a:25:LEU:HB2	1.99	0.44
4:b:3:LEU:HD11	4:b:91:THR:HG21	1.99	0.44
17:f:103:BCR:H15C	17:f:103:BCR:H351	1.76	0.44
1:A:307:LEU:HD11	14:A:819:CLA:HMC1	2.00	0.44
1:A:343:GLY:O	1:A:346:GLU:HB2	2.17	0.44
1:A:456:PHE:CE1	14:A:803:CLA:HHB	2.53	0.44
14:A:818:CLA:H61	14:A:818:CLA:H41	1.72	0.44
2:B:179:ALA:HB1	14:B:819:CLA:HAC2	2.00	0.44
2:B:571:GLY:N	5:E:47:GLY:O	2.42	0.44
2:B:690:ARG:NH2	4:D:17:LEU:O	2.50	0.44
14:B:802:CLA:H122	17:I:101:BCR:H271	2.00	0.44
14:B:832:CLA:C4	17:B:850:BCR:H373	2.44	0.44
1:G:695:GLY:O	1:G:699:GLU:HG3	2.18	0.44
14:G:807:CLA:HBD	14:G:807:CLA:HAA1	2.00	0.44
2:H:642:ASN:C	2:H:644:PHE:H	2.25	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:H:813:CLA:H121	14:H:813:CLA:H8	1.76	0.44
10:L:64:LYS:O	10:L:69:ARG:HD3	2.17	0.44
17:Q:203:BCR:H24C	17:Q:203:BCR:H371	1.72	0.44
14:U:1003:CLA:HAC2	17:U:1005:BCR:C26	2.48	0.44
1:Y:14:VAL:O	1:Y:14:VAL:CG1	2.66	0.44
1:Y:14:VAL:HA	1:Y:189:TRP:HD1	1.82	0.44
1:Y:698:GLN:NE2	1:Y:720:ARG:HA	2.33	0.44
1:Y:721:ALA:HB1	15:Y:842:PQN:O4	2.17	0.44
13:Y:801:CL0:H22	2:Z:631:TRP:HD1	1.83	0.44
17:Y:852:BCR:H371	17:Y:852:BCR:H24C	1.69	0.44
2:Z:195:HIS:O	2:Z:199:PRO:HG2	2.18	0.44
2:Z:637:LEU:HD21	2:Z:656:PHE:CD1	2.52	0.44
1:A:301:HIS:HE1	14:A:820:CLA:NA	2.15	0.44
2:B:21:TRP:CZ3	15:B:841:PQN:H293	2.52	0.44
14:B:810:CLA:H11	14:B:810:CLA:H52	1.74	0.44
1:G:86:TRP:HZ3	17:G:846:BCR:H401	1.83	0.44
14:G:824:CLA:H62	17:G:848:BCR:H363	1.99	0.44
14:H:804:CLA:HMA3	11:V:29:LEU:HD22	1.99	0.44
17:H:845:BCR:H351	17:H:845:BCR:H15C	1.68	0.44
10:L:124:PHE:CZ	17:L:207:BCR:H292	2.52	0.44
2:Z:14:ASP:HB3	2:Z:19:ARG:HB2	1.99	0.44
2:Z:390:PHE:CZ	17:Z:847:BCR:H373	2.52	0.44
2:Z:687:ALA:O	2:Z:691:THR:HG23	2.17	0.44
14:Z:815:CLA:HBB1	14:Z:815:CLA:HMB3	1.99	0.44
4:b:37:GLN:O	4:b:49:MET:HG2	2.18	0.44
1:A:439:ALA:HA	2:B:686:TRP:CZ3	2.53	0.44
2:B:173:ARG:HD3	14:B:812:CLA:CHD	2.47	0.44
2:B:704:VAL:HG12	2:B:705:ALA:O	2.17	0.44
14:B:807:CLA:H91	14:B:807:CLA:H112	1.87	0.44
14:B:836:CLA:O1A	14:B:837:CLA:HAA1	2.17	0.44
4:D:22:ASP:O	4:D:87:PRO:HB3	2.18	0.44
1:G:198:ASN:ND2	1:G:312:GLY:O	2.50	0.44
14:G:839:CLA:CBB	15:G:843:PQN:H141	2.47	0.44
2:H:208:TRP:HB2	14:Y:834:CLA:HBC1	2.00	0.44
2:H:457:LEU:HD23	6:Q:50:HIS:NE2	2.33	0.44
2:H:561:TYR:CE2	2:H:579:TRP:HA	2.53	0.44
2:H:582:PHE:CZ	2:H:586:MET:HE3	2.53	0.44
17:J:103:BCR:H15C	17:J:103:BCR:H351	1.51	0.44
10:L:38:ARG:HH22	10:L:49:GLU:CD	2.26	0.44
10:U:153:PHE:CG	10:h:68:LEU:HD22	2.52	0.44
17:U:1005:BCR:H351	17:U:1005:BCR:H15C	1.78	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:237:PRO:HG2	1:Y:242:PHE:CZ	2.53	0.44
1:Y:561:ARG:HD2	1:Y:570:ALA:HB2	2.00	0.44
14:Y:806:CLA:H171	14:Y:806:CLA:H111	2.00	0.44
17:Y:853:BCR:H291	8:f:13:VAL:HG22	2.00	0.44
2:Z:321:PRO:CG	2:Z:409:ASN:HA	2.47	0.44
2:Z:328:THR:HG21	2:Z:411:LEU:CD1	2.47	0.44
2:Z:647:ASN:HD22	2:Z:649:LEU:H	1.66	0.44
14:Z:834:CLA:HBA1	14:Z:834:CLA:H3A	1.82	0.44
6:d:38:TYR:OH	8:f:35:ASP:O	2.21	0.44
14:h:206:CLA:H62	14:h:206:CLA:H41	1.74	0.44
1:A:746:PHE:CD2	13:A:801:CL0:H27	2.53	0.44
14:A:809:CLA:H3A	14:A:809:CLA:HBA2	1.67	0.44
14:A:854:CLA:HBD	14:A:854:CLA:HAA2	2.00	0.44
2:B:92:ASP:H	7:I:1:MET:HE1	1.83	0.44
2:B:322:HIS:HE1	14:B:822:CLA:NA	2.15	0.44
2:B:665:THR:HG22	14:B:802:CLA:HMB2	2.00	0.44
5:E:34:TYR:CE2	5:E:61:ALA:HB2	2.53	0.44
1:G:289:THR:HB	1:G:381:PRO:HB3	1.99	0.44
14:G:806:CLA:HMD2	14:G:811:CLA:C14	2.48	0.44
17:I:102:BCR:H352	14:L:202:CLA:C2	2.47	0.44
10:U:30:PHE:O	10:U:34:LEU:HD13	2.18	0.44
1:Y:369:ILE:HG23	1:Y:373:HIS:CE1	2.52	0.44
2:Z:193:LEU:HA	2:Z:197:ALA:CB	2.46	0.44
2:Z:342:ALA:HB2	2:Z:389:ALA:HB1	1.98	0.44
2:Z:588:TRP:HE1	14:Z:801:CLA:C1D	2.31	0.44
14:Z:807:CLA:HMD3	14:Z:808:CLA:H201	2.00	0.44
1:A:78:GLY:O	1:A:81:ALA:HB3	2.18	0.44
1:A:193:VAL:CG1	14:A:826:CLA:HHD	2.47	0.44
1:A:596:PHE:CE1	1:A:728:ARG:HB3	2.53	0.44
14:A:839:CLA:HED2	2:B:423:SER:C	2.43	0.44
14:A:843:CLA:HBA2	14:A:843:CLA:CHA	2.48	0.44
17:A:851:BCR:H403	17:A:851:BCR:C23	2.38	0.44
2:B:721:VAL:CG1	19:B:848:LMG:H412	2.47	0.44
14:B:839:CLA:HBD	14:B:839:CLA:HAA1	2.00	0.44
6:F:102:ASP:OD2	6:F:105:LEU:HB2	2.17	0.44
1:G:77:PHE:HB3	1:G:172:MET:O	2.17	0.44
1:G:466:ARG:NH2	1:G:644:ILE:HD11	2.32	0.44
2:H:188:ALA:HA	14:H:815:CLA:HAB	1.98	0.44
2:H:457:LEU:HD23	6:Q:50:HIS:CD2	2.53	0.44
2:H:604:HIS:O	2:H:608:TRP:CG	2.71	0.44
4:O:28:ALA:HB3	4:O:83:TYR:HB2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:Q:203:BCR:HC8	17:Q:203:BCR:C33	2.47	0.44
1:Y:196:MET:SD	14:Y:825:CLA:H142	2.58	0.44
1:Y:390:GLN:HA	1:Y:390:GLN:NE2	2.27	0.44
1:Y:579:ASP:OD2	3:a:52:ARG:NH2	2.30	0.44
1:Y:588:GLN:HA	1:Y:593:ASP:CG	2.43	0.44
1:Y:694:ARG:NH1	1:Y:722:LEU:O	2.38	0.44
14:Y:816:CLA:HBB2	17:Y:845:BCR:H352	1.99	0.44
17:Y:849:BCR:HC8	17:Y:849:BCR:C32	2.48	0.44
17:Z:846:BCR:H403	17:Z:846:BCR:C23	2.33	0.44
5:c:5:SER:O	5:c:7:VAL:HG13	2.17	0.44
1:A:45:THR:OG1	14:A:840:CLA:C2B	2.66	0.43
1:A:213:ALA:O	1:A:217:ILE:N	2.40	0.43
1:A:232:ALA:O	1:A:236:ILE:HG23	2.17	0.43
14:A:823:CLA:OBD	14:A:823:CLA:HED2	2.18	0.43
2:B:598:PHE:HE2	14:B:801:CLA:H93	1.82	0.43
2:B:667:PHE:HB3	14:B:802:CLA:HMC3	1.99	0.43
14:B:805:CLA:H162	14:B:827:CLA:HBB2	1.98	0.43
17:B:847:BCR:H371	17:B:847:BCR:H24C	1.79	0.43
1:G:189:TRP:HA	1:G:192:ASN:HD22	1.83	0.43
1:G:315:TYR:CD1	1:G:325:LEU:HD21	2.53	0.43
1:G:748:LEU:O	1:G:749:ALA:C	2.61	0.43
2:H:387:VAL:HG11	2:H:586:MET:CE	2.48	0.43
2:H:396:PHE:CE2	2:H:397:LEU:HD23	2.53	0.43
17:H:846:BCR:H311	17:H:846:BCR:HC8	1.99	0.43
8:J:10:THR:C	8:J:12:PRO:HD2	2.43	0.43
17:L:207:BCR:H351	17:L:207:BCR:H15C	1.76	0.43
2:Z:139:ILE:HG13	2:Z:140:PHE:N	2.32	0.43
14:Z:838:CLA:H8	17:d:203:BCR:H372	2.00	0.43
1:A:366:LEU:HD11	14:A:820:CLA:H72	2.00	0.43
14:A:812:CLA:HHC	14:A:812:CLA:CBB	2.48	0.43
2:B:277:LEU:HD12	2:B:277:LEU:O	2.18	0.43
2:B:548:ARG:NH1	6:F:141:ARG:O	2.51	0.43
3:C:9:THR:HG23	3:C:63:SER:OG	2.18	0.43
1:G:363:MET:HE1	14:G:829:CLA:H18	2.00	0.43
1:G:699:GLU:O	1:G:702:GLU:HB2	2.18	0.43
14:G:842:CLA:O2A	14:G:842:CLA:HBD	2.18	0.43
2:H:94:GLN:NE2	14:H:810:CLA:C1B	2.81	0.43
2:H:507:ILE:O	2:H:507:ILE:HG12	2.18	0.43
10:L:118:SER:HA	10:h:45:LEU:HD22	1.99	0.43
8:S:31:ARG:HE	17:S:1105:BCR:H312	1.82	0.43
2:Z:728:ALA:CB	14:Z:828:CLA:H43	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:809:CLA:HAB	14:Z:810:CLA:CAA	2.47	0.43
14:Z:814:CLA:H121	14:Z:814:CLA:H8	1.47	0.43
5:c:43:VAL:HG13	5:c:54:GLY:C	2.43	0.43
10:h:56:TYR:OH	14:h:206:CLA:HED2	2.18	0.43
10:h:125:PHE:CE2	10:h:129:MET:HE2	2.53	0.43
1:A:42:PRO:HB3	1:A:47:TRP:CE3	2.54	0.43
1:A:77:PHE:CE1	14:A:811:CLA:HBB1	2.54	0.43
1:A:689:PHE:HA	15:A:844:PQN:H9	2.00	0.43
14:A:802:CLA:H51	14:A:802:CLA:HMA1	2.00	0.43
14:A:841:CLA:H62	15:A:844:PQN:C19	2.48	0.43
14:B:805:CLA:HMA2	14:B:828:CLA:C3B	2.48	0.43
14:B:808:CLA:H111	14:B:808:CLA:H151	1.70	0.43
4:D:10:TYR:CD1	4:D:47:ALA:HB2	2.46	0.43
1:G:398:MET:SD	1:G:609:VAL:HG11	2.58	0.43
1:G:465:MET:CE	1:G:470:ARG:CZ	2.91	0.43
1:G:713:VAL:HG12	6:Q:82:ARG:CG	2.48	0.43
14:G:840:CLA:H142	17:Q:201:BCR:C17	2.48	0.43
17:G:848:BCR:H351	17:G:848:BCR:H15C	1.82	0.43
17:G:848:BCR:H371	17:G:848:BCR:H24C	1.78	0.43
2:H:181:LEU:HD11	14:H:813:CLA:C1	2.47	0.43
2:H:271:ASP:HB3	14:H:817:CLA:CMA	2.48	0.43
2:H:570:ARG:HA	5:P:45:TYR:O	2.17	0.43
10:L:93:LEU:HB3	10:L:121:THR:HG23	1.99	0.43
11:M:18:PRO:C	17:M:101:BCR:H352	2.43	0.43
10:U:35:PRO:HG3	10:U:49:GLU:CG	2.48	0.43
1:Y:399:TRP:HB3	14:Y:828:CLA:HMC3	2.00	0.43
1:Y:602:MET:CG	14:Y:826:CLA:HBC1	2.49	0.43
14:Y:830:CLA:H92	14:Y:830:CLA:H61	1.90	0.43
2:Z:134:LEU:O	2:Z:135:TYR:C	2.62	0.43
2:Z:714:VAL:O	2:Z:718:HIS:ND1	2.27	0.43
14:Z:828:CLA:CGA	14:Z:828:CLA:C3A	2.92	0.43
6:d:19:ALA:HB1	21:d:307:HOH:O	2.17	0.43
1:A:201:LEU:HD21	14:A:822:CLA:C3B	2.48	0.43
1:A:573:GLY:O	1:A:576:PHE:CD1	2.71	0.43
14:A:818:CLA:HBC1	14:A:819:CLA:H112	2.01	0.43
14:A:839:CLA:H43	14:B:831:CLA:HAA2	2.00	0.43
2:B:674:ARG:HG3	2:B:706:LEU:O	2.19	0.43
17:B:845:BCR:H24C	17:B:845:BCR:H371	1.79	0.43
1:G:405:VAL:CB	14:G:826:CLA:HBC2	2.48	0.43
2:H:275:HIS:CE1	14:H:818:CLA:C1B	3.01	0.43
2:H:286:ALA:HB2	14:H:819:CLA:C2C	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:318:PHE:H	14:H:822:CLA:C2B	2.31	0.43
14:H:807:CLA:CGA	7:R:18:VAL:HG21	2.48	0.43
14:H:808:CLA:CGA	14:H:808:CLA:CHA	2.96	0.43
14:H:832:CLA:HED2	14:H:832:CLA:H2A	1.99	0.43
17:H:846:BCR:H392	17:H:846:BCR:C23	2.48	0.43
17:H:847:BCR:H382	17:H:847:BCR:H23C	2.00	0.43
10:L:16:HIS:CD2	10:L:17:LEU:H	2.37	0.43
1:Y:143:LEU:HB3	1:Y:147:TRP:CZ2	2.53	0.43
2:Z:49:HIS:ND1	14:Z:814:CLA:OBD	2.49	0.43
2:Z:600:TRP:HB2	14:Z:837:CLA:HMC3	2.00	0.43
17:f:103:BCR:H371	17:f:103:BCR:H24C	1.87	0.43
1:A:196:MET:HE2	14:A:814:CLA:HBC2	2.00	0.43
1:A:581:PRO:O	1:A:582:GLY:O	2.37	0.43
2:B:596:VAL:CG1	14:B:836:CLA:HAB	2.48	0.43
2:B:625:TRP:HB3	14:B:801:CLA:H91	2.01	0.43
17:B:844:BCR:C38	17:B:844:BCR:C23	2.89	0.43
1:G:300:HIS:HB2	14:G:818:CLA:C1B	2.48	0.43
1:G:470:ARG:O	1:G:471:PRO:C	2.60	0.43
14:G:802:CLA:HAC2	2:H:587:PHE:CG	2.53	0.43
14:G:817:CLA:H61	14:G:817:CLA:H41	1.76	0.43
14:G:818:CLA:O1D	14:G:819:CLA:HHB	2.19	0.43
14:G:852:CLA:H112	17:H:847:BCR:H362	2.00	0.43
2:H:17:THR:O	2:H:17:THR:OG1	2.30	0.43
2:H:561:TYR:CD1	2:H:578:ALA:HB3	2.53	0.43
2:H:566:ASP:C	2:H:573:THR:OG1	2.61	0.43
2:H:713:LEU:HD11	19:H:848:LMG:H342	2.00	0.43
14:H:828:CLA:H61	14:H:828:CLA:H41	1.80	0.43
14:U:1003:CLA:HBC2	14:U:1003:CLA:HHD	2.01	0.43
17:Y:849:BCR:H351	17:Y:849:BCR:H15C	1.70	0.43
2:Z:146:SER:OG	11:i:18:PRO:HD3	2.16	0.43
2:Z:168:LYS:O	2:Z:330:ASN:ND2	2.47	0.43
2:Z:206:VAL:HG22	2:Z:214:THR:HG21	2.01	0.43
2:Z:586:MET:HG3	2:Z:716:LEU:HD21	1.99	0.43
2:Z:702:LYS:NZ	4:b:24:GLU:OE2	2.50	0.43
14:Z:810:CLA:H201	7:e:23:PRO:HB3	2.01	0.43
14:Z:816:CLA:CBB	17:Z:844:BCR:H322	2.48	0.43
6:d:52:VAL:HG22	6:d:54:ASP:HB2	2.01	0.43
9:g:24:LEU:HA	9:g:27:ILE:HG22	1.99	0.43
1:A:189:TRP:HA	1:A:192:ASN:HD22	1.84	0.43
1:A:718:GLN:OE1	5:E:43:VAL:O	2.36	0.43
14:A:805:CLA:HHC	14:A:807:CLA:OBD	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:821:CLA:O1A	9:K:58:GLU:HG3	2.18	0.43
2:B:339:TRP:CH2	17:B:845:BCR:H372	2.54	0.43
4:D:39:PHE:HE2	4:D:67:LEU:HD11	1.83	0.43
1:G:28:TRP:HE1	14:G:811:CLA:CHB	2.32	0.43
1:G:302:LEU:HD13	14:G:815:CLA:CMC	2.49	0.43
1:G:708:HIS:HA	1:G:713:VAL:HG22	2.00	0.43
14:G:853:CLA:OBD	14:H:830:CLA:H3A	2.19	0.43
14:H:806:CLA:H41	14:H:806:CLA:H61	1.76	0.43
14:H:826:CLA:HED2	17:H:846:BCR:C33	2.48	0.43
7:I:5:TYR:CE1	7:I:8:SER:HA	2.53	0.43
8:J:10:THR:HB	8:J:12:PRO:HD2	2.01	0.43
10:L:68:LEU:HD22	10:h:153:PHE:HB2	1.97	0.43
10:L:143:LEU:HD23	10:L:143:LEU:H	1.83	0.43
4:O:117:ARG:HG3	4:O:118:SER:O	2.19	0.43
10:U:63:VAL:HG22	10:U:78:GLY:HA3	1.99	0.43
12:W:20:LEU:HD11	14:W:1701:CLA:C3B	2.47	0.43
1:Y:118:TRP:CD2	17:Y:853:BCR:H323	2.53	0.43
1:Y:182:LYS:HD3	1:Y:182:LYS:HA	1.80	0.43
1:Y:372:GLN:O	1:Y:375:TYR:CE2	2.72	0.43
2:Z:9:GLN:O	2:Z:13:GLN:N	2.51	0.43
2:Z:50:PHE:HB3	2:Z:148:ALA:O	2.18	0.43
2:Z:332:SER:O	2:Z:336:GLN:HG3	2.18	0.43
17:Z:850:BCR:H371	17:Z:850:BCR:H24C	1.80	0.43
1:A:387:TYR:CE1	1:A:622:TRP:CD1	3.06	0.43
17:A:849:BCR:H351	17:A:849:BCR:H15C	1.65	0.43
2:B:223:PRO:HG2	2:B:232:TYR:CZ	2.54	0.43
2:B:353:GLN:CD	2:B:375:TYR:HH	2.23	0.43
2:B:541:VAL:O	2:B:545:LEU:HG	2.19	0.43
2:B:597:THR:O	2:B:727:TYR:OH	2.37	0.43
14:B:837:CLA:H42	14:B:837:CLA:C1C	2.48	0.43
1:G:377:MET:CG	1:G:510:SER:HB2	2.49	0.43
2:H:260:PHE:CE1	2:H:359:PRO:HD2	2.53	0.43
2:H:637:LEU:HD21	2:H:656:PHE:CD1	2.54	0.43
10:U:148:ILE:HG22	10:U:149:MET:HG3	2.00	0.43
1:Y:466:ARG:HD3	1:Y:474:MET:HE1	2.00	0.43
1:Y:702:GLU:OE2	5:c:45:TYR:OH	2.34	0.43
2:Z:217:HIS:ND1	2:Z:218:PRO:HD2	2.34	0.43
2:Z:239:ALA:CB	2:Z:262:PRO:HG2	2.49	0.43
3:a:17:VAL:HG12	3:a:25:LEU:CB	2.49	0.43
8:f:33:TYR:HB3	8:f:36:LEU:HD11	2.01	0.43
1:A:486:PHE:O	1:A:490:VAL:HG23	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:682:ILE:O	1:A:685:PHE:HB3	2.19	0.43
14:A:830:CLA:C2	17:A:848:BCR:H24C	2.49	0.43
2:B:157:GLN:O	2:B:161:ARG:HG3	2.19	0.43
6:F:70:PHE:CD1	17:F:201:BCR:H343	2.53	0.43
1:G:56:HIS:CG	14:G:805:CLA:HAB	2.53	0.43
1:G:88:SER:OG	1:G:165:GLY:HA3	2.17	0.43
1:G:460:VAL:HA	1:G:463:ASP:HB2	2.01	0.43
1:G:531:LEU:HD23	1:G:535:ASP:OD2	2.19	0.43
14:G:825:CLA:CBB	21:G:901:HOH:O	2.59	0.43
14:H:818:CLA:H141	14:H:819:CLA:H101	2.01	0.43
17:H:850:BCR:H24C	17:H:850:BCR:H371	1.80	0.43
10:L:61:PRO:O	10:L:65:LEU:HB2	2.19	0.43
10:L:142:PHE:CD1	14:L:206:CLA:H43	2.54	0.43
14:Y:805:CLA:HBA1	14:Y:813:CLA:HBA1	2.01	0.43
2:Z:255:THR:OG1	2:Z:256:PHE:N	2.51	0.43
3:a:65:ARG:HD3	4:b:119:ILE:CD1	2.49	0.43
9:g:24:LEU:HD13	9:g:70:ALA:HA	2.01	0.43
1:A:100:TYR:CZ	1:A:147:TRP:HB3	2.54	0.43
1:A:315:TYR:HA	1:A:323:HIS:H	1.84	0.43
1:A:329:LEU:HD21	14:A:822:CLA:HED1	2.01	0.43
14:A:842:CLA:H62	14:A:842:CLA:H41	1.81	0.43
2:B:76:TRP:CH2	2:B:80:PRO:HB3	2.54	0.43
2:B:90:ILE:HD13	14:B:808:CLA:HMD1	2.00	0.43
2:B:179:ALA:HA	2:B:284:ILE:HA	2.01	0.43
2:B:200:GLU:OE2	2:B:205:HIS:CG	2.72	0.43
14:B:805:CLA:H72	14:B:805:CLA:H111	1.86	0.43
1:G:403:PHE:HZ	1:G:736:LEU:HD13	1.82	0.43
1:G:429:VAL:CG1	14:G:824:CLA:C2C	2.96	0.43
14:G:802:CLA:O1A	2:H:531:LEU:HD11	2.19	0.43
14:G:803:CLA:H11	2:H:657:LEU:HB3	2.00	0.43
2:H:717:ALA:O	2:H:721:VAL:HG13	2.19	0.43
14:H:837:CLA:CHB	14:H:838:CLA:HMD1	2.49	0.43
17:L:208:BCR:H24C	17:L:208:BCR:H371	1.78	0.43
17:Q:201:BCR:H351	17:Q:201:BCR:H15C	1.76	0.43
17:U:1009:BCR:H373	10:h:129:MET:HE3	2.01	0.43
14:Y:824:CLA:O2D	14:Y:824:CLA:H2A	2.18	0.43
2:Z:181:LEU:HB2	14:Z:814:CLA:HMB2	2.00	0.43
14:Z:806:CLA:HBB1	14:Z:806:CLA:HMB1	2.01	0.43
1:A:548:VAL:O	1:A:551:LEU:HB3	2.19	0.43
1:A:699:GLU:O	1:A:702:GLU:HB2	2.19	0.43
2:B:198:ILE:HG13	2:B:199:PRO:HD3	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:526:HIS:CE1	2:B:599:TYR:CE2	3.07	0.43
14:B:807:CLA:HBD	14:B:807:CLA:HAA1	2.01	0.43
5:E:53:SER:HB3	5:E:54:GLY:H	1.67	0.43
1:G:379:PRO:HG3	14:G:819:CLA:HBA1	2.01	0.43
14:G:812:CLA:HBB1	14:G:820:CLA:HBC2	2.00	0.43
14:G:837:CLA:HBD	14:G:837:CLA:HAA1	2.01	0.43
2:H:76:TRP:HZ3	2:H:124:TYR:CG	2.37	0.43
2:H:110:ASN:HD22	7:R:3:GLY:CA	2.29	0.43
2:H:214:THR:O	14:H:815:CLA:HED1	2.19	0.43
10:L:82:GLY:O	10:L:85:LEU:N	2.51	0.43
17:L:207:BCR:HC8	17:L:207:BCR:H331	2.01	0.43
1:Y:325:LEU:O	1:Y:329:LEU:HG	2.19	0.43
1:Y:362:MET:HE3	14:Y:827:CLA:H43	2.01	0.43
1:Y:513:PHE:HE1	14:Y:827:CLA:HBC2	1.84	0.43
2:Z:239:ALA:CA	2:Z:262:PRO:HG2	2.49	0.43
2:Z:322:HIS:HA	2:Z:325:ILE:HD12	2.00	0.43
2:Z:379:GLN:OE1	2:Z:379:GLN:HA	2.18	0.43
14:Z:813:CLA:HBC2	14:Z:813:CLA:HHD	2.00	0.43
14:Z:841:CLA:H202	14:Z:841:CLA:H161	1.87	0.43
7:e:10:LEU:N	7:e:11:PRO:CD	2.82	0.43
12:j:18:LEU:O	12:j:21:ALA:HB3	2.19	0.43
1:A:212:TRP:CE2	1:A:216:GLN:HG3	2.54	0.42
2:B:84:ARG:HA	2:B:84:ARG:HE	1.84	0.42
2:B:414:VAL:HA	2:B:417:HIS:CE1	2.54	0.42
14:B:825:CLA:H111	14:B:825:CLA:H72	1.69	0.42
14:B:831:CLA:HBC2	14:B:831:CLA:CHD	2.48	0.42
1:G:273:ALA:O	1:G:276:SER:OG	2.33	0.42
1:G:281:PHE:O	1:G:505:ALA:HA	2.18	0.42
1:G:363:MET:HG2	14:G:829:CLA:HMC3	2.00	0.42
1:G:403:PHE:CE1	1:G:736:LEU:HD13	2.55	0.42
2:H:427:TRP:CD1	14:H:801:CLA:O1A	2.72	0.42
2:H:718:HIS:O	2:H:721:VAL:HG22	2.19	0.42
17:H:843:BCR:H382	17:H:843:BCR:H23C	2.00	0.42
8:J:31:ARG:HD3	17:J:104:BCR:HC22	2.01	0.42
11:V:13:VAL:HG23	17:V:101:BCR:H402	2.00	0.42
1:Y:364:GLY:HA2	1:Y:404:LEU:HB2	2.01	0.42
1:Y:406:VAL:HG21	1:Y:599:LEU:HD23	2.00	0.42
14:Y:818:CLA:O1D	14:Y:819:CLA:HHB	2.19	0.42
14:Z:820:CLA:H43	14:Z:827:CLA:H112	2.01	0.42
14:Z:824:CLA:H62	14:Z:824:CLA:H12	2.00	0.42
14:Z:829:CLA:H12	17:Z:844:BCR:H393	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:Z:830:CLA:HBB1	14:Z:830:CLA:HMB3	2.01	0.42
17:Z:848:BCR:H23C	17:Z:848:BCR:H383	2.01	0.42
14:d:201:CLA:HBA2	14:d:201:CLA:H3A	1.55	0.42
1:A:79:HIS:O	1:A:82:VAL:HG22	2.19	0.42
1:A:85:ILE:O	1:A:86:TRP:C	2.61	0.42
1:A:118:TRP:CE3	17:J:104:BCR:H323	2.54	0.42
1:A:300:HIS:NE2	14:A:820:CLA:C1B	2.81	0.42
1:A:483:GLN:O	1:A:485:VAL:N	2.49	0.42
14:A:829:CLA:HBA2	14:A:829:CLA:H3A	1.58	0.42
2:B:194:ILE:HD13	14:B:814:CLA:C3C	2.48	0.42
2:B:528:ALA:CB	14:B:801:CLA:H172	2.49	0.42
14:B:833:CLA:HED3	14:B:833:CLA:CHA	2.50	0.42
6:F:75:GLY:HA3	6:F:116:TRP:CZ2	2.54	0.42
1:G:368:ILE:HG21	14:G:826:CLA:C3D	2.49	0.42
1:G:439:ALA:HA	2:H:686:TRP:HZ3	1.81	0.42
1:G:600:PHE:CZ	1:G:732:VAL:HG22	2.54	0.42
14:G:819:CLA:H13	14:G:819:CLA:HBB2	2.00	0.42
14:G:828:CLA:H91	17:S:1104:BCR:H361	2.01	0.42
14:G:832:CLA:H192	14:G:832:CLA:H162	1.86	0.42
14:G:852:CLA:OBD	2:H:676:TYR:OH	2.35	0.42
2:H:387:VAL:HG21	2:H:589:MET:HG2	2.01	0.42
2:H:445:VAL:HG21	14:H:832:CLA:HAC2	2.01	0.42
10:L:93:LEU:HD23	10:L:93:LEU:HA	1.88	0.42
17:M:101:BCR:HC7	17:M:101:BCR:H331	1.66	0.42
8:S:14:LEU:HD23	8:S:14:LEU:HA	1.84	0.42
8:S:29:PHE:C	8:S:31:ARG:H	2.27	0.42
14:U:1002:CLA:H3A	14:U:1002:CLA:HBA2	1.83	0.42
1:Y:647:ASN:HB2	2:Z:657:LEU:HD11	2.00	0.42
14:Y:808:CLA:H141	14:Y:808:CLA:H161	1.84	0.42
14:Y:809:CLA:CMB	17:f:103:BCR:C10	2.97	0.42
2:Z:178:LEU:O	2:Z:283:PHE:HB3	2.19	0.42
1:A:400:ILE:HD12	14:A:807:CLA:H143	2.00	0.42
14:A:802:CLA:O2A	2:B:433:GLY:HA3	2.19	0.42
14:A:818:CLA:CHD	14:A:819:CLA:HBB2	2.50	0.42
14:A:841:CLA:H193	8:J:19:MET:HG3	2.02	0.42
17:A:846:BCR:H271	17:A:846:BCR:H393	2.00	0.42
2:B:176:HIS:ND1	14:B:812:CLA:HMC2	2.34	0.42
2:B:338:GLY:HA2	2:B:389:ALA:HA	2.01	0.42
2:B:632:LEU:HD12	2:B:632:LEU:HA	1.90	0.42
14:B:825:CLA:H62	14:B:825:CLA:H41	1.72	0.42
4:D:33:SER:HB2	4:D:49:MET:SD	2.58	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:58:PHE:CD1	1:G:71:LYS:HD3	2.54	0.42
1:G:590:SER:OG	1:G:593:ASP:OD2	2.29	0.42
14:G:803:CLA:CAD	14:H:803:CLA:CMB	2.97	0.42
14:G:803:CLA:H2	2:H:661:LEU:HD22	2.01	0.42
14:G:818:CLA:H43	14:G:834:CLA:HAA2	2.00	0.42
14:G:833:CLA:H61	14:G:833:CLA:H41	1.89	0.42
2:H:181:LEU:HD21	14:H:813:CLA:H12	2.01	0.42
2:H:329:TYR:CZ	14:H:824:CLA:NC	2.87	0.42
2:H:398:VAL:HG11	2:H:560:GLY:HA2	2.01	0.42
14:H:817:CLA:HBA2	14:H:826:CLA:HBB2	2.00	0.42
10:L:48:LEU:O	10:L:52:MET:HG3	2.19	0.42
10:U:141:ASN:ND2	10:h:76:LEU:HD21	2.35	0.42
1:Y:91:TYR:CE2	1:Y:161:THR:HG21	2.54	0.42
1:Y:538:VAL:HG12	1:Y:542:HIS:NE2	2.35	0.42
1:Y:538:VAL:O	1:Y:541:ILE:HB	2.19	0.42
2:Z:387:VAL:HG13	2:Z:540:LEU:HD21	2.01	0.42
1:A:173:LEU:O	14:A:812:CLA:HMC3	2.20	0.42
1:A:338:GLY:HA3	1:A:427:ASN:ND2	2.33	0.42
1:A:661:VAL:CG1	1:A:746:PHE:HA	2.48	0.42
14:A:805:CLA:HAB	14:A:807:CLA:OBD	2.19	0.42
14:A:841:CLA:H62	14:A:841:CLA:H41	1.78	0.42
2:B:222:ALA:HB3	2:B:223:PRO:HD3	2.01	0.42
14:B:809:CLA:HED1	17:I:102:BCR:H331	2.01	0.42
14:B:829:CLA:O1A	12:X:12:ARG:NH1	2.52	0.42
14:B:837:CLA:H3A	14:B:837:CLA:HBA2	1.79	0.42
1:G:26:GLU:HA	8:S:3:HIS:CG	2.54	0.42
1:G:603:TYR:OH	13:G:801:CL0:H30	2.18	0.42
14:G:824:CLA:H92	14:G:824:CLA:H61	1.85	0.42
2:H:406:ASN:OD1	2:H:411:LEU:HD23	2.20	0.42
2:H:494:ASN:ND2	2:H:496:GLY:H	2.13	0.42
2:H:622:LEU:HB2	14:H:802:CLA:H11	2.02	0.42
14:H:851:CLA:C1A	14:H:851:CLA:H12	2.49	0.42
17:I:102:BCR:H351	17:I:102:BCR:H15C	1.61	0.42
10:U:7:PRO:HB3	10:U:12:PRO:HA	2.01	0.42
14:Y:840:CLA:NC	14:Y:840:CLA:H52	2.35	0.42
2:Z:600:TRP:HA	14:Z:837:CLA:CBC	2.44	0.42
2:Z:668:MET:HE2	14:Z:804:CLA:NB	2.35	0.42
3:a:34:LYS:HZ3	5:c:59:ASN:HD21	1.68	0.42
10:h:18:SER:OG	10:h:23:ASP:HB3	2.20	0.42
10:h:34:LEU:HB3	10:h:35:PRO:HD2	2.01	0.42
1:A:75:ALA:HB1	14:A:806:CLA:HBB1	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:153:THR:CG2	1:A:233:ALA:HB1	2.50	0.42
1:A:601:TRP:HE1	14:B:802:CLA:C1D	2.32	0.42
1:G:72:ILE:HG22	1:G:76:HIS:CE1	2.55	0.42
1:G:115:GLN:HE22	14:G:809:CLA:HMD3	1.84	0.42
1:G:209:SER:HB3	1:G:301:HIS:O	2.19	0.42
1:G:655:TRP:CD1	2:H:631:TRP:CD1	3.08	0.42
14:H:810:CLA:O1A	10:h:67:PRO:HG2	2.19	0.42
14:U:1002:CLA:O1A	14:U:1002:CLA:H161	2.20	0.42
1:Y:226:LEU:O	1:Y:231:VAL:HG23	2.20	0.42
1:Y:684:ALA:O	14:Z:801:CLA:HAB	2.18	0.42
2:Z:173:ARG:HB2	14:Z:814:CLA:HBC3	2.00	0.42
2:Z:179:ALA:HB1	14:Z:821:CLA:HAC2	2.02	0.42
2:Z:320:MET:CE	14:Z:831:CLA:HMD3	2.49	0.42
2:Z:651:VAL:HA	14:Z:810:CLA:HAC1	2.01	0.42
17:Z:847:BCR:H311	17:Z:847:BCR:HC8	2.02	0.42
6:d:85:LEU:O	6:d:89:ARG:HB2	2.19	0.42
9:g:65:PHE:O	9:g:69:LEU:HB2	2.20	0.42
14:h:205:CLA:C3C	17:h:207:BCR:H393	2.50	0.42
1:A:47:TRP:HB2	5:E:52:ALA:HB1	2.02	0.42
1:A:678:GLY:O	17:A:851:BCR:H15C	2.19	0.42
14:A:840:CLA:O1D	6:F:85:LEU:HD21	2.20	0.42
2:B:136:GLN:HE21	14:B:813:CLA:HAA1	1.85	0.42
1:G:665:TYR:CE1	2:H:623:MET:HG2	2.54	0.42
14:G:826:CLA:CAB	17:G:848:BCR:H311	2.47	0.42
2:H:651:VAL:HG22	14:H:809:CLA:HAC1	2.02	0.42
14:H:806:CLA:CBB	14:H:828:CLA:HMC1	2.43	0.42
17:H:850:BCR:H351	17:H:850:BCR:H15C	1.75	0.42
17:L:207:BCR:C23	17:L:207:BCR:H403	2.49	0.42
10:U:48:LEU:O	10:U:49:GLU:C	2.62	0.42
17:U:1005:BCR:H371	17:U:1005:BCR:H24C	1.62	0.42
1:Y:86:TRP:CD1	14:Y:806:CLA:HBC1	2.54	0.42
1:Y:744:TRP:CG	17:Y:849:BCR:H313	2.55	0.42
14:Y:817:CLA:H42	14:g:102:CLA:HED1	2.01	0.42
14:Y:817:CLA:C1D	14:Y:818:CLA:HBB2	2.49	0.42
14:Y:828:CLA:HBB1	14:Y:828:CLA:HMB3	2.01	0.42
14:Y:840:CLA:C19	8:f:23:ALA:HB2	2.50	0.42
14:Z:804:CLA:HMA3	14:Z:804:CLA:C2	2.50	0.42
4:b:131:THR:C	4:b:133:LYS:N	2.78	0.42
1:A:27:LYS:HD3	14:A:812:CLA:HAA2	2.02	0.42
1:A:189:TRP:CE2	14:A:814:CLA:HAC2	2.54	0.42
1:A:246:PRO:HG3	14:A:816:CLA:HED2	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:250:ALA:H	1:A:258:TRP:CD1	2.38	0.42
1:A:451:LEU:HD21	14:A:837:CLA:CAB	2.50	0.42
14:A:803:CLA:HAA1	2:B:661:LEU:HD13	2.01	0.42
14:A:819:CLA:HAC1	14:A:834:CLA:C4	2.50	0.42
2:B:46:PHE:O	2:B:49:HIS:HB2	2.20	0.42
2:B:189:TRP:O	2:B:193:LEU:HG	2.18	0.42
2:B:530:ALA:O	2:B:534:HIS:HB2	2.19	0.42
5:E:38:VAL:O	5:E:57:THR:HA	2.20	0.42
6:F:24:THR:O	6:F:24:THR:HG22	2.19	0.42
6:F:77:ILE:O	6:F:80:VAL:HG22	2.20	0.42
6:F:116:TRP:CG	6:F:117:PRO:HD3	2.55	0.42
1:G:352:TRP:HB3	14:G:805:CLA:CAC	2.44	0.42
14:G:821:CLA:H72	14:G:824:CLA:H93	2.02	0.42
14:G:831:CLA:HMA1	14:h:201:CLA:O1D	2.20	0.42
14:G:840:CLA:H91	17:Q:201:BCR:C20	2.50	0.42
2:H:543:GLY:HA3	2:H:581:ALA:CB	2.49	0.42
2:H:659:GLY:HA3	2:H:726:THR:OG1	2.20	0.42
14:H:840:CLA:HBB1	14:H:840:CLA:HHC	2.01	0.42
17:T:102:BCR:H331	17:T:102:BCR:HC8	2.02	0.42
10:U:34:LEU:CD2	2:Z:693:LEU:HD11	2.50	0.42
1:Y:217:ILE:HD13	14:Y:815:CLA:CAC	2.50	0.42
1:Y:332:HIS:O	1:Y:341:HIS:ND1	2.52	0.42
1:Y:575:ARG:NH1	14:Y:830:CLA:OBD	2.53	0.42
1:Y:601:TRP:CH2	14:Y:802:CLA:CAB	3.02	0.42
14:Y:838:CLA:H202	14:d:202:CLA:CMD	2.49	0.42
2:Z:90:ILE:HB	2:Z:111:PRO:HB2	2.01	0.42
2:Z:166:TRP:O	14:Z:814:CLA:HBC1	2.19	0.42
2:Z:543:GLY:O	2:Z:547:ALA:HB2	2.20	0.42
2:Z:642:ASN:HB2	2:Z:643:PRO:CD	2.49	0.42
14:Z:815:CLA:H112	14:Z:815:CLA:H91	1.86	0.42
4:b:22:ASP:O	4:b:87:PRO:HG3	2.20	0.42
1:A:189:TRP:CZ2	14:A:811:CLA:HMA1	2.55	0.42
1:A:189:TRP:CZ2	14:A:814:CLA:CAC	3.03	0.42
1:A:365:SER:HB3	17:A:850:BCR:H353	2.00	0.42
1:A:387:TYR:N	1:A:388:PRO:CD	2.83	0.42
1:A:503:PRO:HG2	14:A:835:CLA:C2D	2.50	0.42
14:B:830:CLA:HBC3	17:F:203:BCR:H362	2.01	0.42
17:B:846:BCR:H15C	17:B:846:BCR:H351	1.77	0.42
6:F:79:TRP:CH2	6:F:120:ALA:HA	2.54	0.42
1:G:582:GLY:HA3	3:N:49:GLY:CA	2.50	0.42
14:G:820:CLA:H61	14:G:820:CLA:H41	1.79	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:H:21:TRP:CG	2:H:710:GLN:NE2	2.86	0.42
2:H:188:ALA:HA	14:H:815:CLA:CAB	2.49	0.42
14:H:804:CLA:CBC	14:H:829:CLA:C4	2.97	0.42
14:H:807:CLA:H111	17:R:101:BCR:HC21	2.02	0.42
14:H:811:CLA:HBA2	14:H:811:CLA:H3A	1.56	0.42
14:H:829:CLA:H142	19:H:848:LMG:H212	2.00	0.42
1:Y:337:THR:HG21	18:Y:851:LHG:C1	2.50	0.42
14:Y:840:CLA:H52	14:Y:840:CLA:C1C	2.50	0.42
2:Z:358:LEU:O	2:Z:359:PRO:C	2.63	0.42
2:Z:419:GLU:OE1	6:d:141:ARG:NH1	2.38	0.42
2:Z:550:SER:HA	6:d:139:SER:HB3	2.01	0.42
2:Z:588:TRP:HH2	14:Z:802:CLA:CBB	2.31	0.42
14:Z:805:CLA:HMC1	14:Z:805:CLA:HBC2	2.01	0.42
6:d:52:VAL:HG13	6:d:52:VAL:O	2.20	0.42
1:A:392:SER:HB2	14:A:829:CLA:HMA1	2.02	0.42
14:A:829:CLA:H92	14:A:829:CLA:H61	1.76	0.42
14:A:831:CLA:H91	18:A:852:LHG:H311	2.01	0.42
2:B:320:MET:HE2	14:B:829:CLA:HMD2	2.02	0.42
2:B:369:THR:HA	2:B:735:THR:HG21	2.02	0.42
2:B:413:ARG:O	2:B:414:VAL:C	2.62	0.42
14:B:833:CLA:HBA1	14:B:833:CLA:H3A	1.73	0.42
17:B:850:BCR:H24C	17:B:850:BCR:H371	1.84	0.42
1:G:453:PHE:CE2	14:G:852:CLA:H12	2.55	0.42
1:G:466:ARG:HH22	1:G:644:ILE:HD11	1.85	0.42
1:G:726:GLN:O	1:G:727:GLY:C	2.62	0.42
14:G:840:CLA:HBB1	14:G:840:CLA:HHC	2.02	0.42
2:H:81:VAL:HG13	2:H:366:GLN:NE2	2.34	0.42
7:R:31:PHE:CZ	10:h:99:VAL:HG21	2.55	0.42
14:U:1007:CLA:HED2	14:U:1007:CLA:H2A	2.02	0.42
1:Y:140:THR:HG21	1:Y:748:LEU:HD22	2.01	0.42
17:Y:849:BCR:HC8	17:Y:849:BCR:H323	2.02	0.42
2:Z:531:LEU:C	2:Z:531:LEU:HD23	2.44	0.42
2:Z:685:VAL:HG11	3:a:80:TYR:CE2	2.54	0.42
14:Z:807:CLA:HMD3	14:Z:808:CLA:C20	2.50	0.42
3:a:24:VAL:HG21	16:a:101:SF4:S1	2.59	0.42
1:A:45:THR:OG1	14:A:840:CLA:C3B	2.67	0.42
1:A:384:ALA:HA	1:A:390:GLN:NE2	2.35	0.42
1:A:471:PRO:HA	1:A:474:MET:HE3	2.02	0.42
14:A:803:CLA:O1A	14:A:803:CLA:H3A	2.20	0.42
14:A:834:CLA:HBC2	14:A:834:CLA:HHD	2.01	0.42
2:B:299:SER:HB3	2:B:302:GLU:HB2	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:304:MET:HE3	2:B:325:ILE:CG2	2.50	0.42
2:B:557:LYS:NZ	2:B:558:ASP:OD1	2.47	0.42
14:B:818:CLA:H12	17:B:845:BCR:H363	2.02	0.42
3:C:56:ALA:O	3:C:58:PRO:HD3	2.19	0.42
5:E:43:VAL:HG13	5:E:54:GLY:O	2.20	0.42
1:G:93:HIS:HA	1:G:97:PHE:HD2	1.84	0.42
1:G:196:MET:HG2	1:G:200:HIS:CD2	2.55	0.42
1:G:552:ILE:HG12	14:G:852:CLA:CMD	2.49	0.42
1:G:616:LYS:HD2	21:G:906:HOH:O	2.05	0.42
1:G:682:ILE:O	1:G:686:SER:N	2.52	0.42
14:G:802:CLA:O2A	2:H:433:GLY:HA3	2.20	0.42
14:G:804:CLA:H2	14:G:804:CLA:H62	1.84	0.42
17:G:846:BCR:HC7	17:G:846:BCR:H331	1.63	0.42
2:H:275:HIS:HB2	14:H:817:CLA:C1B	2.50	0.42
2:H:318:PHE:CG	14:H:822:CLA:CAB	3.01	0.42
14:H:831:CLA:HBB1	14:H:831:CLA:HHC	2.01	0.42
2:Z:176:HIS:O	2:Z:180:GLY:N	2.53	0.42
2:Z:430:LEU:HA	14:Z:801:CLA:O2A	2.20	0.42
14:Z:808:CLA:H151	17:i:101:BCR:C10	2.49	0.42
6:d:55:GLY:HA2	6:d:64:LEU:HD21	2.02	0.42
10:h:38:ARG:NH2	10:h:49:GLU:OE1	2.43	0.42
1:A:283:GLY:O	1:A:507:ALA:HB3	2.19	0.41
1:A:467:ALA:HB2	2:B:641:TYR:CD1	2.55	0.41
1:A:535:ASP:O	1:A:539:HIS:ND1	2.50	0.41
1:A:551:LEU:O	1:A:555:LYS:HB2	2.20	0.41
1:A:618:GLN:OE1	1:A:657:GLN:NE2	2.53	0.41
14:A:830:CLA:H12	17:A:848:BCR:H24C	2.01	0.41
2:B:38:GLU:O	2:B:41:LEU:HB3	2.19	0.41
2:B:667:PHE:HE1	2:B:719:PHE:HE2	1.68	0.41
14:B:816:CLA:C4	14:B:833:CLA:HAA2	2.49	0.41
14:B:840:CLA:H202	14:B:840:CLA:H161	1.81	0.41
1:G:189:TRP:HA	1:G:192:ASN:ND2	2.34	0.41
1:G:210:LEU:HD23	14:G:815:CLA:HAB	2.00	0.41
1:G:724:ILE:HD11	2:H:572:GLY:CA	2.50	0.41
14:G:807:CLA:CAB	17:S:1104:BCR:H392	2.50	0.41
14:G:809:CLA:H92	17:S:1105:BCR:H363	2.02	0.41
14:G:852:CLA:O1D	17:H:847:BCR:H401	2.19	0.41
2:H:38:GLU:HG3	4:O:130:PHE:HE2	1.85	0.41
14:H:828:CLA:H3A	14:H:828:CLA:HBA2	1.47	0.41
3:N:79:ALA:HB1	21:N:202:HOH:O	2.20	0.41
14:Y:802:CLA:H42	2:Z:657:LEU:HB3	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:441:VAL:HB	14:Z:833:CLA:HMC2	2.02	0.41
2:Z:650:SER:CB	14:Z:810:CLA:HBC1	2.49	0.41
2:Z:667:PHE:HB3	14:Z:804:CLA:HMC2	2.02	0.41
14:Z:818:CLA:H41	14:Z:834:CLA:HAA2	2.02	0.41
4:b:8:PRO:HG3	4:b:54:ASN:HD22	1.85	0.41
6:d:67:SER:OG	6:d:68:VAL:N	2.53	0.41
9:g:40:GLY:O	9:g:41:PRO:C	2.63	0.41
10:h:19:THR:HG21	14:h:201:CLA:OBD	2.19	0.41
1:A:194:GLU:HG3	1:A:325:LEU:HD12	2.02	0.41
2:B:126:ILE:HG21	2:B:189:TRP:HZ2	1.85	0.41
2:B:242:VAL:HB	2:B:245:THR:OG1	2.20	0.41
2:B:582:PHE:CG	14:B:828:CLA:HMD3	2.55	0.41
2:B:604:HIS:HB3	2:B:608:TRP:CZ3	2.55	0.41
1:G:377:MET:HG3	1:G:510:SER:HB2	2.01	0.41
1:G:414:ILE:HD11	1:G:574:PHE:CE2	2.55	0.41
2:H:327:GLU:OE1	2:H:327:GLU:N	2.49	0.41
2:H:425:LEU:HG	14:H:838:CLA:CBB	2.50	0.41
3:N:2:HIS:CD2	3:N:68:LEU:HA	2.55	0.41
7:R:32:LEU:HD23	10:h:99:VAL:HG13	2.00	0.41
10:U:35:PRO:CG	14:U:1003:CLA:HED2	2.48	0.41
10:U:66:GLY:O	10:U:69:ARG:HD3	2.21	0.41
10:U:146:ASP:O	10:U:150:THR:HG23	2.20	0.41
1:Y:127:ASN:HB3	1:Y:135:HIS:HB3	2.00	0.41
1:Y:495:THR:O	1:Y:498:PRO:HD2	2.20	0.41
14:Y:808:CLA:H3A	14:Y:808:CLA:HBA2	1.67	0.41
2:Z:639:ASN:HD22	2:Z:642:ASN:HD22	1.67	0.41
3:a:80:TYR:HB3	4:b:18:LEU:HD12	2.02	0.41
11:i:4:THR:OG1	11:i:5:ASP:N	2.54	0.41
1:A:34:PHE:HB2	1:A:61:HIS:ND1	2.36	0.41
1:A:285:LEU:HD13	1:A:511:VAL:HG22	2.02	0.41
14:A:813:CLA:HBB2	14:A:821:CLA:H13	2.02	0.41
14:A:824:CLA:HMA3	14:A:843:CLA:HBC1	2.01	0.41
2:B:27:ALA:O	2:B:33:HIS:CE1	2.72	0.41
2:B:29:ASP:CG	2:B:32:SER:OG	2.62	0.41
2:B:137:GLY:O	2:B:141:LEU:HG	2.21	0.41
2:B:361:TYR:OH	14:B:827:CLA:OBD	2.36	0.41
2:B:425:LEU:HG	14:B:838:CLA:CAB	2.49	0.41
14:B:812:CLA:H62	14:B:812:CLA:H41	1.73	0.41
6:F:100:ILE:CG2	8:J:6:THR:HG22	2.50	0.41
1:G:42:PRO:HG3	1:G:47:TRP:CE3	2.54	0.41
1:G:307:LEU:HD12	14:G:818:CLA:HBC2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:349:THR:O	14:G:825:CLA:H203	2.20	0.41
1:G:669:LEU:HB3	1:G:672:TYR:HD2	1.86	0.41
14:G:804:CLA:HHC	14:G:806:CLA:OBD	2.19	0.41
14:G:832:CLA:O1A	14:G:841:CLA:H11	2.20	0.41
14:G:841:CLA:HHD	17:H:847:BCR:C38	2.50	0.41
17:G:845:BCR:HC8	17:G:845:BCR:C32	2.44	0.41
2:H:181:LEU:HD11	14:H:813:CLA:H11	2.02	0.41
2:H:632:LEU:HD12	2:H:632:LEU:O	2.21	0.41
14:H:815:CLA:NB	17:H:842:BCR:HC32	2.36	0.41
14:H:819:CLA:H52	14:H:824:CLA:H91	2.02	0.41
17:H:845:BCR:H402	17:H:845:BCR:H23C	2.02	0.41
17:J:103:BCR:C38	17:J:103:BCR:H23C	2.50	0.41
7:R:1:MET:HE3	21:U:1101:HOH:O	2.19	0.41
10:U:142:PHE:O	10:U:143:LEU:C	2.62	0.41
1:Y:49:TRP:CH2	14:Y:840:CLA:CMD	3.04	0.41
1:Y:399:TRP:CH2	1:Y:740:ILE:HG12	2.55	0.41
2:Z:348:THR:O	2:Z:351:VAL:HG22	2.20	0.41
2:Z:375:TYR:OH	14:Z:837:CLA:HMC2	2.21	0.41
2:Z:492:TRP:O	2:Z:493:PRO:C	2.63	0.41
2:Z:500:LEU:N	2:Z:501:PRO:CD	2.83	0.41
2:Z:710:GLN:HB2	19:Z:849:LMG:O9	2.19	0.41
2:Z:711:ALA:HB2	15:Z:842:PQN:C8	2.50	0.41
14:Z:834:CLA:HED2	14:Z:834:CLA:CHA	2.51	0.41
1:A:140:THR:O	1:A:392:SER:OG	2.38	0.41
1:A:415:PHE:CD1	1:A:419:ASP:HB2	2.55	0.41
2:B:4:PHE:CD1	2:B:4:PHE:C	2.98	0.41
2:B:42:TYR:CD2	2:B:167:PHE:HB3	2.55	0.41
2:B:418:LYS:O	2:B:422:ILE:HD12	2.20	0.41
1:G:99:ASN:HB2	1:G:102:ALA:HB3	2.03	0.41
1:G:372:GLN:O	1:G:375:TYR:CE2	2.72	0.41
1:G:425:ASN:OD1	1:G:428:ASN:ND2	2.53	0.41
1:G:617:MET:HA	1:G:621:VAL:HB	2.01	0.41
14:G:803:CLA:HAA1	2:H:661:LEU:HA	2.01	0.41
2:H:432:LEU:CD2	14:H:837:CLA:HAB	2.41	0.41
17:M:101:BCR:H24C	17:M:101:BCR:H371	1.91	0.41
9:T:39:LYS:HG3	9:T:39:LYS:O	2.20	0.41
14:U:1007:CLA:CAB	1:Y:453:PHE:O	2.68	0.41
12:W:13:THR:HA	12:W:16:ALA:HB3	2.02	0.41
14:Y:818:CLA:H43	14:Y:833:CLA:CAA	2.49	0.41
17:Y:846:BCR:H351	17:Y:846:BCR:H15C	1.76	0.41
17:Y:848:BCR:H15C	17:Y:848:BCR:H351	1.80	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:d:202:CLA:HAA2	14:d:202:CLA:HBD	2.02	0.41
1:A:304:ILE:CD1	14:A:819:CLA:HBC2	2.51	0.41
1:A:379:PRO:HG3	14:A:820:CLA:HBA2	2.02	0.41
1:A:545:THR:HB	1:A:605:CYS:HB3	2.03	0.41
1:A:726:GLN:O	1:A:729:ALA:HB3	2.21	0.41
14:A:819:CLA:HBA2	14:A:819:CLA:H3A	1.79	0.41
14:A:827:CLA:H93	14:A:827:CLA:H62	1.96	0.41
14:A:830:CLA:H2	17:A:848:BCR:C24	2.50	0.41
2:B:180:GLY:HA3	14:B:812:CLA:HBB1	2.02	0.41
2:B:465:PHE:O	2:B:469:ALA:N	2.52	0.41
2:B:466:ILE:O	2:B:470:HIS:ND1	2.37	0.41
2:B:491:ALA:HB2	2:B:497:ASN:ND2	2.36	0.41
14:B:806:CLA:H141	14:B:806:CLA:H162	1.85	0.41
14:B:812:CLA:H203	14:B:827:CLA:O1A	2.20	0.41
17:B:845:BCR:H15C	17:B:845:BCR:H351	1.63	0.41
1:G:70:ARG:NH2	1:G:184:ALA:O	2.53	0.41
1:G:212:TRP:N	14:G:814:CLA:HAB	2.34	0.41
14:G:803:CLA:O1A	14:G:803:CLA:C3A	2.68	0.41
14:G:805:CLA:H41	14:G:805:CLA:H72	2.01	0.41
2:H:668:MET:O	2:H:672:SER:OG	2.37	0.41
2:H:686:TRP:NE1	10:h:15:GLY:O	2.50	0.41
14:H:801:CLA:H142	14:H:801:CLA:H112	1.92	0.41
14:H:826:CLA:C4B	14:H:833:CLA:HMA3	2.50	0.41
17:H:842:BCR:C8	17:H:842:BCR:H331	2.51	0.41
9:K:43:LEU:HD22	9:K:56:LEU:CB	2.51	0.41
17:S:1104:BCR:HC7	17:S:1104:BCR:H321	1.79	0.41
10:U:81:SER:HA	14:Z:811:CLA:C4	2.50	0.41
1:Y:345:TYR:O	1:Y:349:THR:HG22	2.20	0.41
1:Y:409:ALA:HB1	1:Y:553:LEU:HB3	2.03	0.41
1:Y:690:LEU:HD21	1:Y:731:GLY:HA3	2.02	0.41
14:Y:832:CLA:HMD1	14:Y:836:CLA:H151	2.02	0.41
14:Y:840:CLA:HAA1	14:Y:840:CLA:HBD	2.01	0.41
2:Z:184:VAL:HG23	14:Z:821:CLA:HAC1	2.02	0.41
6:d:110:MET:SD	14:d:202:CLA:HMD2	2.61	0.41
8:f:15:ALA:O	8:f:19:MET:HG2	2.20	0.41
9:g:43:LEU:HG	9:g:56:LEU:HB3	2.02	0.41
14:A:804:CLA:HMA2	14:A:804:CLA:H2	2.02	0.41
14:A:827:CLA:H3A	14:A:827:CLA:HBA2	1.77	0.41
17:A:847:BCR:H351	17:A:847:BCR:H15C	1.78	0.41
2:B:119:VAL:HG13	2:B:123:TRP:CZ3	2.56	0.41
2:B:512:ASN:HB2	21:B:908:HOH:O	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:830:CLA:HMC2	14:B:838:CLA:HAC1	2.01	0.41
1:G:471:PRO:HA	1:G:474:MET:SD	2.61	0.41
1:G:681:PHE:HA	14:H:802:CLA:HAA1	2.02	0.41
1:G:688:MET:HG3	14:G:802:CLA:NC	2.35	0.41
17:G:849:BCR:H351	17:G:849:BCR:H15C	1.67	0.41
2:H:161:ARG:NH2	21:H:904:HOH:O	2.53	0.41
2:H:531:LEU:HD12	2:H:531:LEU:O	2.21	0.41
2:H:542:LYS:HD3	2:H:543:GLY:N	2.35	0.41
2:H:570:ARG:HB3	5:P:45:TYR:HB3	2.03	0.41
2:H:656:PHE:HB2	2:H:729:ALA:HB1	2.03	0.41
14:H:813:CLA:H141	14:H:813:CLA:H161	1.86	0.41
14:H:840:CLA:H151	10:h:92:CYS:SG	2.60	0.41
9:K:24:LEU:CD1	9:K:73:VAL:HG21	2.50	0.41
8:S:33:TYR:HB3	8:S:36:LEU:HD11	2.03	0.41
10:U:61:PRO:HB2	14:U:1007:CLA:H12	2.02	0.41
12:X:23:ASN:HD21	14:X:1701:CLA:C4D	2.34	0.41
1:Y:52:HIS:HB2	18:Y:850:LHG:H111	2.02	0.41
14:Y:828:CLA:H42	14:Y:828:CLA:O1A	2.20	0.41
14:Y:838:CLA:HBC1	15:Y:842:PQN:H201	2.02	0.41
2:Z:275:HIS:HE2	14:Z:819:CLA:C1B	2.33	0.41
17:Z:844:BCR:H24C	17:Z:844:BCR:H371	1.86	0.41
1:A:81:ALA:O	1:A:85:ILE:HG13	2.21	0.41
1:A:503:PRO:HG2	14:A:835:CLA:CMD	2.50	0.41
1:A:587:CYS:SG	16:A:845:SF4:S4	3.19	0.41
1:A:587:CYS:O	2:B:675:GLY:CA	2.69	0.41
1:A:603:TYR:CE2	13:A:801:CL0:O1A	2.68	0.41
1:A:662:ILE:HA	2:B:623:MET:HE3	2.01	0.41
2:B:194:ILE:HG23	2:B:253:ILE:HD12	2.03	0.41
3:C:24:VAL:HG21	3:C:47:CYS:CA	2.51	0.41
6:F:6:VAL:O	6:F:43:CYS:N	2.52	0.41
1:G:362:MET:SD	14:G:821:CLA:H93	2.60	0.41
1:G:380:TYR:HA	1:G:381:PRO:HD3	1.95	0.41
1:G:464:THR:HG22	1:G:468:PHE:CE2	2.56	0.41
14:G:802:CLA:HAC2	2:H:587:PHE:CD2	2.55	0.41
14:G:839:CLA:H42	8:S:14:LEU:HB3	2.03	0.41
2:H:271:ASP:HB3	14:H:817:CLA:HMA1	2.03	0.41
2:H:374:LEU:HD23	2:H:374:LEU:HA	1.88	0.41
14:H:809:CLA:HMA1	14:H:810:CLA:CAB	2.36	0.41
14:H:837:CLA:CGA	14:H:837:CLA:CHA	2.98	0.41
17:H:846:BCR:H371	17:H:846:BCR:H24C	1.83	0.41
3:N:54:GLU:O	3:N:62:LEU:HD22	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:S:16:ALA:HA	14:S:1101:CLA:H8	2.02	0.41
1:Y:607:SER:O	1:Y:610:ILE:HG12	2.20	0.41
1:Y:698:GLN:OE1	1:Y:721:ALA:N	2.34	0.41
14:Z:829:CLA:H142	17:Z:845:BCR:H372	2.01	0.41
7:e:10:LEU:O	7:e:14:PHE:HB2	2.19	0.41
17:h:202:BCR:C38	17:h:202:BCR:H23C	2.50	0.41
1:A:335:PRO:HB2	10:L:4:LEU:HD12	2.02	0.41
17:A:846:BCR:C28	9:K:35:GLN:HE22	2.33	0.41
2:B:189:TRP:CZ3	2:B:192:HIS:CD2	3.08	0.41
2:B:475:TYR:HB3	6:F:3:ALA:HA	2.03	0.41
2:B:668:MET:HB2	14:B:802:CLA:CHC	2.50	0.41
14:B:808:CLA:H121	19:B:848:LMG:H211	2.03	0.41
14:B:809:CLA:H18	14:h:206:CLA:H143	2.02	0.41
1:G:362:MET:HG3	14:G:825:CLA:HMB2	2.02	0.41
14:G:840:CLA:H62	14:G:840:CLA:H41	1.81	0.41
2:H:33:HIS:HE1	14:H:804:CLA:CED	2.31	0.41
2:H:231:VAL:HA	2:H:234:GLN:HG3	2.02	0.41
2:H:595:TRP:CG	14:H:803:CLA:H152	2.55	0.41
14:H:808:CLA:CAB	14:H:809:CLA:HAA2	2.31	0.41
14:H:823:CLA:HMD2	14:H:824:CLA:HAB	2.02	0.41
17:H:843:BCR:H322	17:H:844:BCR:H332	2.02	0.41
17:H:844:BCR:H351	17:H:844:BCR:H15C	1.64	0.41
8:J:27:ILE:HG21	17:J:104:BCR:C10	2.50	0.41
3:N:5:LYS:HD3	3:N:5:LYS:HA	1.90	0.41
9:T:32:TYR:C	9:T:35:GLN:H	2.29	0.41
1:Y:677:LEU:O	1:Y:680:HIS:HB2	2.21	0.41
1:Y:744:TRP:CD1	17:Y:849:BCR:H313	2.56	0.41
2:Z:116:TYR:CE2	2:Z:732:ILE:HG23	2.55	0.41
2:Z:174:LEU:O	2:Z:175:ASN:C	2.63	0.41
2:Z:390:PHE:HZ	14:Z:826:CLA:CAB	2.34	0.41
2:Z:551:LYS:HA	2:Z:551:LYS:HD2	1.93	0.41
2:Z:685:VAL:HG23	2:Z:686:TRP:N	2.36	0.41
14:Z:807:CLA:H91	19:Z:849:LMG:H401	2.03	0.41
14:Z:832:CLA:HMC2	14:Z:839:CLA:HAC1	2.03	0.41
12:j:25:LEU:O	12:j:28:ALA:HB3	2.20	0.41
1:A:114:ALA:O	1:A:115:GLN:C	2.63	0.41
1:A:215:HIS:O	1:A:219:VAL:HG22	2.21	0.41
1:A:304:ILE:HG23	1:A:308:PHE:CE2	2.56	0.41
1:A:307:LEU:CD1	14:A:819:CLA:HMC1	2.50	0.41
1:A:484:PRO:O	1:A:488:GLN:HG3	2.19	0.41
1:A:524:VAL:CG2	1:A:625:VAL:HG22	2.46	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:802:CLA:HMA2	14:A:802:CLA:C2	2.51	0.41
14:A:822:CLA:H112	17:A:849:BCR:C10	2.51	0.41
14:A:842:CLA:H203	10:L:58:LEU:HD21	2.02	0.41
2:B:136:GLN:HE22	2:B:208:TRP:NE1	2.13	0.41
2:B:275:HIS:HB2	14:B:816:CLA:C1B	2.51	0.41
2:B:358:LEU:HD22	14:B:816:CLA:O1A	2.21	0.41
2:B:395:ILE:HG12	2:B:561:TYR:CD2	2.56	0.41
2:B:561:TYR:HD1	2:B:578:ALA:HB3	1.85	0.41
2:B:727:TYR:O	2:B:728:ALA:C	2.64	0.41
4:D:32:THR:HA	4:D:52:GLY:O	2.21	0.41
1:G:100:TYR:OH	1:G:152:ILE:O	2.27	0.41
1:G:258:TRP:HE3	14:G:815:CLA:O1D	2.03	0.41
1:G:359:ASN:HB3	14:G:825:CLA:O1A	2.20	0.41
1:G:414:ILE:HG12	1:G:574:PHE:CD2	2.56	0.41
1:G:659:SER:HA	1:G:662:ILE:HD11	2.03	0.41
14:G:802:CLA:H51	14:G:802:CLA:HMA1	2.03	0.41
14:G:820:CLA:HBA2	14:G:820:CLA:H3A	1.72	0.41
14:G:826:CLA:H3A	14:G:826:CLA:HBA2	1.88	0.41
17:G:847:BCR:H23C	17:G:847:BCR:C40	2.46	0.41
2:H:217:HIS:HB2	2:H:253:ILE:HD13	2.03	0.41
2:H:306:ALA:O	2:H:316:GLY:HA2	2.21	0.41
2:H:430:LEU:HB3	14:H:831:CLA:CED	2.51	0.41
2:H:446:VAL:HG22	2:H:451:THR:OG1	2.21	0.41
2:H:521:GLY:O	2:H:525:VAL:HG23	2.20	0.41
14:H:807:CLA:HMB3	14:H:808:CLA:HHB	2.03	0.41
10:L:34:LEU:HD22	14:L:204:CLA:CBB	2.50	0.41
10:L:142:PHE:HD1	14:L:206:CLA:H43	1.86	0.41
10:U:42:SER:HB2	10:h:115:GLU:O	2.21	0.41
14:U:1002:CLA:HBD	14:U:1002:CLA:HAA1	2.03	0.41
17:U:1009:BCR:H24C	10:h:129:MET:HG2	2.03	0.41
1:Y:13:ARG:NH2	1:Y:188:GLU:OE1	2.54	0.41
1:Y:121:VAL:CG1	14:Z:833:CLA:CMD	2.98	0.41
1:Y:195:SER:O	1:Y:199:HIS:ND1	2.34	0.41
1:Y:330:GLU:HG2	1:Y:342:LYS:HA	2.03	0.41
1:Y:416:MET:O	1:Y:420:TYR:HB3	2.20	0.41
1:Y:432:ARG:O	1:Y:436:HIS:ND1	2.54	0.41
1:Y:588:GLN:CD	2:Z:673:TRP:H	2.28	0.41
1:Y:602:MET:HE3	1:Y:602:MET:HB3	1.89	0.41
14:Y:822:CLA:HMD3	17:Y:844:BCR:H392	2.03	0.41
2:Z:184:VAL:CG2	14:Z:821:CLA:HAC1	2.51	0.41
2:Z:275:HIS:HE2	14:Z:819:CLA:C2B	2.34	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Z:307:LYS:O	2:Z:313:LYS:HG3	2.20	0.41
2:Z:386:MET:O	2:Z:389:ALA:HB3	2.21	0.41
2:Z:427:TRP:CZ2	14:Z:832:CLA:HAB	2.55	0.41
2:Z:480:LEU:C	2:Z:482:SER:N	2.77	0.41
2:Z:589:MET:HA	14:Z:826:CLA:HBC1	2.03	0.41
14:Z:802:CLA:HMD2	14:Z:803:CLA:HBA2	2.02	0.41
14:Z:816:CLA:NC	17:Z:843:BCR:H312	2.36	0.41
14:Z:823:CLA:HAA1	14:Z:823:CLA:HBD	2.03	0.41
14:Z:840:CLA:H112	17:e:101:BCR:H372	2.03	0.41
17:d:203:BCR:C8	17:d:203:BCR:C33	2.95	0.41
11:i:18:PRO:O	11:i:22:ALA:N	2.41	0.41
1:A:461:HIS:O	1:A:465:MET:HG2	2.21	0.41
1:A:561:ARG:HB3	1:A:570:ALA:HB2	2.03	0.41
14:A:807:CLA:H42	18:A:852:LHG:H261	2.02	0.41
14:A:809:CLA:HMC1	14:A:829:CLA:H141	2.02	0.41
14:A:840:CLA:HMD2	6:F:85:LEU:HD11	2.02	0.41
17:A:849:BCR:H23C	17:A:849:BCR:H392	2.02	0.41
2:B:177:HIS:O	2:B:182:PHE:HD1	2.04	0.41
2:B:222:ALA:N	2:B:223:PRO:HD2	2.36	0.41
2:B:353:GLN:OE1	2:B:375:TYR:OH	2.24	0.41
2:B:380:TYR:CD2	14:B:826:CLA:HAB	2.55	0.41
2:B:642:ASN:HB2	2:B:643:PRO:HD2	2.02	0.41
14:B:831:CLA:HBA2	14:B:831:CLA:H3A	1.79	0.41
6:F:54:ASP:OD2	12:X:30:TYR:OH	2.37	0.41
1:G:83:VAL:CG1	14:G:805:CLA:H92	2.49	0.41
1:G:471:PRO:O	1:G:474:MET:HG2	2.20	0.41
1:G:696:TYR:CD2	1:G:696:TYR:C	2.99	0.41
14:G:809:CLA:HMB3	17:S:1104:BCR:C10	2.51	0.41
2:H:466:ILE:O	2:H:469:ALA:HB3	2.21	0.41
2:H:660:HIS:CE1	2:H:726:THR:CG2	3.04	0.41
14:H:816:CLA:H61	14:H:816:CLA:H41	1.76	0.41
14:H:819:CLA:CMD	14:H:821:CLA:HAB	2.50	0.41
14:H:837:CLA:HAA1	14:H:837:CLA:HBD	2.03	0.41
17:H:843:BCR:H371	17:H:843:BCR:H24C	1.88	0.41
17:Q:201:BCR:C38	17:Q:201:BCR:H23C	2.51	0.41
7:R:8:SER:O	7:R:11:PRO:HD2	2.21	0.41
14:S:1103:CLA:H3A	14:S:1103:CLA:HBA2	1.87	0.41
1:Y:64:ASP:HB3	1:Y:67:ASP:HB3	2.03	0.41
1:Y:216:GLN:OE1	1:Y:297:THR:HG23	2.20	0.41
1:Y:366:LEU:HD21	14:Y:829:CLA:HBC1	2.02	0.41
1:Y:462:ASN:CB	1:Y:474:MET:HG2	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:493:LEU:O	1:Y:497:ALA:HB2	2.20	0.41
14:Y:832:CLA:H102	14:Z:841:CLA:H71	2.02	0.41
17:Y:844:BCR:C8	17:Y:844:BCR:H331	2.50	0.41
17:Y:848:BCR:H371	17:Y:848:BCR:H24C	1.74	0.41
2:Z:36:MET:HE1	2:Z:44:LYS:HD2	2.03	0.41
2:Z:416:GLN:OE1	2:Z:416:GLN:HA	2.20	0.41
2:Z:691:THR:O	2:Z:695:ASN:CG	2.64	0.41
14:Z:806:CLA:C14	14:Z:825:CLA:CAD	2.95	0.41
14:Z:819:CLA:HBA2	14:Z:819:CLA:H3A	1.28	0.41
14:Z:840:CLA:CAB	15:Z:842:PQN:H193	2.50	0.41
10:h:42:SER:HA	10:h:43:PRO:HD3	1.96	0.41
10:h:54:HIS:HA	10:h:57:PHE:CE2	2.56	0.41
1:A:29:ALA:HB2	8:J:3:HIS:O	2.21	0.40
14:A:802:CLA:H203	14:A:854:CLA:C19	2.51	0.40
14:A:807:CLA:HBC3	14:A:807:CLA:HHD	2.02	0.40
14:B:829:CLA:HAB	14:B:838:CLA:HBB2	2.03	0.40
3:C:54:GLU:OE2	3:C:66:VAL:HG22	2.20	0.40
1:G:150:SER:OG	1:G:212:TRP:HH2	2.05	0.40
1:G:377:MET:SD	14:G:827:CLA:HMC1	2.61	0.40
1:G:616:LYS:HG2	14:G:836:CLA:HAC1	2.02	0.40
14:G:825:CLA:H141	14:G:825:CLA:H162	1.87	0.40
15:G:843:PQN:H193	15:G:843:PQN:H162	1.92	0.40
17:G:846:BCR:H351	17:G:846:BCR:H15C	1.72	0.40
2:H:254:LEU:HD22	2:H:274:HIS:HA	2.03	0.40
2:H:473:LEU:HD23	2:H:473:LEU:N	2.36	0.40
10:L:37:TYR:O	10:L:38:ARG:C	2.64	0.40
1:Y:118:TRP:O	1:Y:120:ILE:HG22	2.21	0.40
14:Y:804:CLA:H91	17:Y:853:BCR:H381	2.01	0.40
14:Y:814:CLA:C3D	21:Y:921:HOH:O	2.67	0.40
2:Z:272:MET:SD	14:Z:819:CLA:HMA3	2.61	0.40
2:Z:335:PHE:HB2	2:Z:396:PHE:CD1	2.55	0.40
2:Z:442:HIS:NE2	2:Z:456:ILE:HG13	2.36	0.40
14:Z:817:CLA:H61	14:Z:817:CLA:H41	1.67	0.40
4:b:43:THR:O	4:b:44:ALA:HB3	2.21	0.40
17:d:203:BCR:H24C	17:d:203:BCR:H371	1.80	0.40
1:A:202:ALA:HB1	14:A:821:CLA:HAC2	2.02	0.40
1:A:704:ILE:O	1:A:705:VAL:C	2.64	0.40
1:A:708:HIS:HB3	1:A:714:ALA:CA	2.51	0.40
2:B:86:ILE:HG23	2:B:112:VAL:CG2	2.51	0.40
2:B:255:THR:OG1	2:B:256:PHE:N	2.54	0.40
2:B:459:GLU:OE2	6:F:50:HIS:CD2	2.74	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:701:ASP:OD1	7:I:35:GLU:OE2	2.40	0.40
2:B:706:LEU:HD22	2:B:710:GLN:NE2	2.37	0.40
1:G:341:HIS:CE1	18:G:851:LHG:HC11	2.55	0.40
1:G:420:TYR:HE2	4:O:40:GLU:OE2	2.04	0.40
1:G:486:PHE:HB2	14:G:837:CLA:OBD	2.22	0.40
1:G:606:ILE:O	1:G:607:SER:C	2.63	0.40
14:G:807:CLA:C6	14:G:809:CLA:H72	2.52	0.40
14:G:821:CLA:H8	17:G:847:BCR:C10	2.51	0.40
2:H:2:THR:HA	7:R:37:GLU:HA	2.02	0.40
2:H:299:SER:O	2:H:303:MET:HG3	2.21	0.40
2:H:381:ILE:HD13	2:H:381:ILE:HA	1.88	0.40
2:H:533:LEU:O	2:H:537:THR:OG1	2.36	0.40
2:H:699:TRP:CZ3	14:H:839:CLA:HBC3	2.57	0.40
14:H:808:CLA:H202	14:H:827:CLA:H203	2.02	0.40
17:H:850:BCR:HC8	17:H:850:BCR:C33	2.51	0.40
10:L:125:PHE:CD1	10:L:125:PHE:C	2.98	0.40
3:N:24:VAL:O	3:N:42:PRO:HD2	2.21	0.40
3:N:65:ARG:HD2	3:N:65:ARG:HA	1.88	0.40
1:Y:442:SER:HB3	2:Z:687:ALA:HB2	2.03	0.40
1:Y:589:VAL:HG13	2:Z:675:GLY:HA3	2.02	0.40
14:Y:827:CLA:C4C	14:Y:835:CLA:HED1	2.50	0.40
2:Z:64:LEU:HA	2:Z:123:TRP:CH2	2.56	0.40
2:Z:360:PRO:CG	14:Z:819:CLA:HBA1	2.40	0.40
2:Z:689:GLU:O	2:Z:695:ASN:OD1	2.39	0.40
14:Z:807:CLA:H62	14:Z:807:CLA:H92	1.84	0.40
5:c:15:TYR:CE2	5:c:44:ASN:HA	2.55	0.40
10:h:152:LEU:O	10:h:152:LEU:HD12	2.22	0.40
1:A:141:SER:OG	14:A:809:CLA:O1D	2.39	0.40
1:A:662:ILE:HD12	2:B:627:ARG:HG3	2.03	0.40
1:A:678:GLY:O	1:A:682:ILE:HG13	2.20	0.40
2:B:431:PHE:CZ	14:B:831:CLA:HMD2	2.57	0.40
14:B:805:CLA:CMB	14:B:805:CLA:HBB1	2.50	0.40
14:B:824:CLA:HBA2	14:B:824:CLA:H3A	1.86	0.40
3:C:6:ILE:N	3:C:6:ILE:HD12	2.37	0.40
5:E:44:ASN:OD1	5:E:54:GLY:O	2.40	0.40
6:F:135:GLU:O	6:F:136:ILE:HD13	2.22	0.40
1:G:224:ASN:ND2	1:G:294:LEU:HD22	2.37	0.40
1:G:536:PHE:HA	14:G:837:CLA:CED	2.51	0.40
2:H:177:HIS:HA	2:H:181:LEU:HB3	2.02	0.40
2:H:663:TRP:HB2	2:H:722:GLY:HA3	2.03	0.40
17:H:844:BCR:C38	17:H:844:BCR:C23	2.98	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:Q:80:VAL:CG1	6:Q:109:CYS:O	2.68	0.40
1:Y:599:LEU:HD21	14:Y:830:CLA:HBC1	2.03	0.40
1:Y:668:ALA:C	1:Y:670:SER:H	2.29	0.40
14:Y:813:CLA:CMB	17:Y:846:BCR:H352	2.51	0.40
14:Y:817:CLA:CGA	14:Y:817:CLA:C1A	2.99	0.40
14:Y:838:CLA:HAA2	14:Z:832:CLA:HMB1	2.03	0.40
2:Z:38:GLU:O	2:Z:41:LEU:HB3	2.21	0.40
2:Z:46:PHE:CE2	2:Z:50:PHE:HE2	2.40	0.40
2:Z:141:LEU:HD23	2:Z:141:LEU:HA	1.89	0.40
2:Z:660:HIS:CE1	2:Z:726:THR:CG2	3.04	0.40
14:Z:809:CLA:H101	14:Z:809:CLA:H62	1.93	0.40
17:Z:844:BCR:H382	17:Z:844:BCR:C23	2.50	0.40
17:Z:847:BCR:H24C	17:Z:847:BCR:H371	1.76	0.40
17:h:207:BCR:HC7	17:h:207:BCR:H321	1.87	0.40
1:A:94:GLY:HA2	1:A:98:SER:HB3	2.04	0.40
14:A:804:CLA:CMD	6:F:99:ILE:HB	2.51	0.40
14:A:807:CLA:O1A	14:A:807:CLA:O2D	2.40	0.40
14:A:831:CLA:H18	14:A:841:CLA:HBA2	2.03	0.40
2:B:60:VAL:HG11	14:B:827:CLA:C1	2.49	0.40
2:B:296:ILE:HG13	14:B:819:CLA:HED2	2.03	0.40
14:B:810:CLA:H92	14:B:810:CLA:H61	1.87	0.40
1:G:587:CYS:O	2:H:675:GLY:N	2.54	0.40
2:H:66:HIS:NE2	14:H:807:CLA:NA	2.69	0.40
2:H:706:LEU:HG	15:H:841:PQN:O4	2.22	0.40
14:H:803:CLA:H41	14:H:803:CLA:H62	1.75	0.40
10:L:95:ALA:O	10:L:99:VAL:HG22	2.21	0.40
17:Q:201:BCR:H331	14:Q:202:CLA:HMB3	2.04	0.40
10:U:54:HIS:HA	10:U:57:PHE:CE2	2.57	0.40
17:U:1008:BCR:C6	14:Z:811:CLA:HED1	2.52	0.40
1:Y:216:GLN:O	1:Y:221:LEU:HG	2.21	0.40
1:Y:450:PHE:O	1:Y:454:HIS:ND1	2.49	0.40
17:Y:853:BCR:C10	8:f:27:ILE:HG21	2.51	0.40
2:Z:136:GLN:HE22	2:Z:208:TRP:NE1	2.16	0.40
2:Z:173:ARG:HH12	14:Z:806:CLA:C17	2.34	0.40
2:Z:198:ILE:HA	2:Z:201:SER:HB3	2.04	0.40
14:Z:801:CLA:HMA2	14:Z:801:CLA:H2	2.03	0.40
14:Z:804:CLA:C12	17:e:101:BCR:H393	2.51	0.40
14:Z:828:CLA:O1D	14:Z:829:CLA:HHB	2.21	0.40
3:a:41:SER:OG	4:b:113:ASN:HB2	2.21	0.40
4:b:67:LEU:O	4:b:71:GLN:HB2	2.22	0.40
1:A:55:ALA:O	1:A:61:HIS:CE1	2.74	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:358:ILE:O	1:A:361:ALA:HB3	2.21	0.40
1:A:705:VAL:O	1:A:709:ASN:N	2.47	0.40
14:A:822:CLA:HMB2	14:A:826:CLA:O2D	2.22	0.40
14:A:828:CLA:H142	14:A:828:CLA:H111	1.91	0.40
17:A:846:BCR:H15C	17:A:846:BCR:H351	1.72	0.40
2:B:119:VAL:HG22	2:B:123:TRP:CE2	2.56	0.40
2:B:196:VAL:O	2:B:199:PRO:HD2	2.21	0.40
2:B:453:GLU:CA	6:F:48:LEU:HD22	2.52	0.40
2:B:570:ARG:NH1	3:C:62:LEU:HD11	2.37	0.40
2:B:663:TRP:CE2	14:B:801:CLA:HMA3	2.56	0.40
17:B:846:BCR:H371	17:B:846:BCR:H24C	1.83	0.40
17:B:847:BCR:C23	17:B:847:BCR:C38	2.96	0.40
3:C:1:ALA:N	3:C:70:ALA:O	2.38	0.40
3:C:80:TYR:OXT	4:D:20:ALA:HB2	2.21	0.40
6:F:73:ILE:HG23	14:F:202:CLA:HAA1	2.03	0.40
14:H:804:CLA:CBC	14:H:829:CLA:H41	2.52	0.40
4:O:9:LEU:HB2	4:O:48:VAL:HB	2.03	0.40
7:R:5:TYR:CE1	7:R:8:SER:HA	2.57	0.40
1:Y:254:PRO:C	1:Y:256:VAL:H	2.29	0.40
2:Z:658:PHE:O	2:Z:662:VAL:HG12	2.22	0.40
14:Z:838:CLA:H91	14:Z:839:CLA:HBC1	2.03	0.40
17:Z:848:BCR:H24C	17:Z:848:BCR:H371	1.82	0.40
4:b:131:THR:O	4:b:133:LYS:N	2.55	0.40
9:g:73:VAL:O	9:g:77:LEU:HD12	2.22	0.40
14:g:101:CLA:H3A	14:g:101:CLA:CGA	2.51	0.40
17:h:207:BCR:H23C	17:h:207:BCR:H392	2.03	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all 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%)	644 (87%)	74 (10%)	19 (3%)	4 17
1	G	737/755 (98%)	654 (89%)	70 (10%)	13 (2%)	6 25
1	Y	737/755 (98%)	642 (87%)	77 (10%)	18 (2%)	4 18
2	B	737/741 (100%)	633 (86%)	95 (13%)	9 (1%)	10 34
2	H	737/741 (100%)	643 (87%)	87 (12%)	7 (1%)	14 41
2	Z	737/741 (100%)	649 (88%)	79 (11%)	9 (1%)	10 34
3	C	78/81 (96%)	70 (90%)	6 (8%)	2 (3%)	4 17
3	N	78/81 (96%)	67 (86%)	9 (12%)	2 (3%)	4 17
3	a	78/81 (96%)	70 (90%)	7 (9%)	1 (1%)	9 32
4	D	136/139 (98%)	119 (88%)	13 (10%)	4 (3%)	3 15
4	O	136/139 (98%)	123 (90%)	12 (9%)	1 (1%)	18 48
4	b	136/139 (98%)	123 (90%)	9 (7%)	4 (3%)	3 15
5	E	67/76 (88%)	56 (84%)	8 (12%)	3 (4%)	2 8
5	P	67/76 (88%)	56 (84%)	8 (12%)	3 (4%)	2 8
5	c	67/76 (88%)	57 (85%)	7 (10%)	3 (4%)	2 8
6	F	139/164 (85%)	115 (83%)	23 (16%)	1 (1%)	18 48
6	Q	139/164 (85%)	125 (90%)	13 (9%)	1 (1%)	18 48
6	d	139/164 (85%)	113 (81%)	19 (14%)	7 (5%)	1 6
7	I	36/38 (95%)	32 (89%)	3 (8%)	1 (3%)	4 15
7	R	36/38 (95%)	34 (94%)	2 (6%)	0	100 100
7	e	36/38 (95%)	31 (86%)	4 (11%)	1 (3%)	4 15
8	J	39/41 (95%)	36 (92%)	3 (8%)	0	100 100
8	S	39/41 (95%)	37 (95%)	2 (5%)	0	100 100
8	f	39/41 (95%)	36 (92%)	3 (8%)	0	100 100
9	K	40/83 (48%)	30 (75%)	8 (20%)	2 (5%)	1 6
9	T	40/83 (48%)	33 (82%)	5 (12%)	2 (5%)	1 6
9	g	40/83 (48%)	31 (78%)	7 (18%)	2 (5%)	1 6
10	L	149/155 (96%)	133 (89%)	16 (11%)	0	100 100
10	U	149/155 (96%)	130 (87%)	17 (11%)	2 (1%)	9 32
10	h	149/155 (96%)	133 (89%)	14 (9%)	2 (1%)	9 32
11	M	28/31 (90%)	25 (89%)	3 (11%)	0	100 100
11	V	28/31 (90%)	28 (100%)	0	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	i	28/31 (90%)	27 (96%)	1 (4%)	0	100 100
12	W	24/39 (62%)	23 (96%)	1 (4%)	0	100 100
12	X	24/39 (62%)	23 (96%)	0	1 (4%)	2 9
12	j	24/39 (62%)	24 (100%)	0	0	100 100
All	All	6630/7029 (94%)	5805 (88%)	705 (11%)	120 (2%)	6 25

All (120) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	121	VAL
1	A	250	ALA
3	C	61	PHE
4	D	95	HIS
5	E	55	VAL
6	F	91	SER
1	G	630	THR
2	H	480	LEU
9	K	41	PRO
3	N	61	PHE
9	T	36	SER
1	Y	121	VAL
1	Y	249	MET
1	Y	250	ALA
1	Y	590	SER
2	Z	234	GLN
2	Z	481	LEU
2	Z	497	ASN
3	a	61	PHE
6	d	54	ASP
9	g	41	PRO
10	h	74	ALA
1	A	235	ASP
1	A	249	MET
1	A	281	PHE
1	A	321	ILE
1	A	582	GLY
1	A	736	LEU
2	B	247	GLN
2	B	295	GLY
2	B	474	LEU
2	B	480	LEU

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Mol	Chain	Res	Type
4	D	132	GLY
1	G	508	THR
2	H	474	LEU
5	P	3	ARG
6	Q	63	PHE
1	Y	115	GLN
1	Y	131	GLY
1	Y	283	GLY
2	Z	480	LEU
4	b	16	GLY
4	b	44	ALA
4	b	132	GLY
5	c	3	ARG
5	c	55	VAL
7	e	2	MET
1	A	41	GLY
1	A	43	GLN
1	A	721	ALA
1	A	747	PHE
2	B	216	PRO
2	B	494	ASN
2	B	737	ALA
5	E	46	THR
1	G	239	PRO
1	G	526	MET
7	I	37	GLU
1	Y	230	GLY
1	Y	310	ILE
2	Z	228	ASN
2	Z	498	VAL
6	d	63	PHE
6	d	93	GLU
1	A	114	ALA
2	B	567	GLY
4	D	9	LEU
1	G	115	GLN
1	G	127	ASN
1	G	261	PHE
2	H	481	LEU
2	H	515	PHE
3	N	59	THR
5	P	55	VAL

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Mol	Chain	Res	Type
10	U	48	LEU
12	X	21	ALA
1	Y	261	PHE
1	Y	665	TYR
1	Y	721	ALA
2	Z	15	PRO
2	Z	93	PRO
6	d	114	PHE
9	g	67	HIS
1	A	115	GLN
1	A	338	GLY
5	E	53	SER
1	G	182	LYS
1	G	293	TRP
2	H	554	PRO
4	O	44	ALA
1	Y	119	PRO
1	Y	258	TRP
1	Y	613	PHE
6	d	52	VAL
6	d	97	LYS
1	G	231	VAL
5	P	46	THR
10	U	74	ALA
1	Y	232	ALA
10	h	9	ASN
1	A	237	PRO
2	H	643	PRO
9	K	56	LEU
9	T	41	PRO
1	A	621	VAL
1	G	121	VAL
1	G	484	PRO
1	Y	239	PRO
4	b	95	HIS
1	A	511	VAL
3	C	42	PRO
1	Y	401	GLY
6	d	12	PRO
1	A	310	ILE
2	B	643	PRO
4	D	16	GLY

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Mol	Chain	Res	Type
1	G	621	VAL
2	Z	216	PRO
5	c	54	GLY
2	H	93	PRO

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all 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%)	566 (96%)	24 (4%)	27	61
1	G	590/603 (98%)	574 (97%)	16 (3%)	39	73
1	Y	590/603 (98%)	566 (96%)	24 (4%)	27	61
2	B	597/598 (100%)	574 (96%)	23 (4%)	28	63
2	H	597/598 (100%)	578 (97%)	19 (3%)	34	68
2	Z	597/598 (100%)	573 (96%)	24 (4%)	28	62
3	C	67/68 (98%)	62 (92%)	5 (8%)	12	37
3	N	67/68 (98%)	64 (96%)	3 (4%)	24	58
3	a	67/68 (98%)	65 (97%)	2 (3%)	36	70
4	D	115/116 (99%)	112 (97%)	3 (3%)	40	73
4	O	115/116 (99%)	110 (96%)	5 (4%)	26	60
4	b	115/116 (99%)	110 (96%)	5 (4%)	26	60
5	E	59/65 (91%)	57 (97%)	2 (3%)	32	66
5	P	59/65 (91%)	57 (97%)	2 (3%)	32	66
5	c	59/65 (91%)	58 (98%)	1 (2%)	53	82
6	F	109/128 (85%)	107 (98%)	2 (2%)	51	80
6	Q	109/128 (85%)	105 (96%)	4 (4%)	30	64
6	d	109/128 (85%)	105 (96%)	4 (4%)	30	64
7	I	32/32 (100%)	31 (97%)	1 (3%)	35	69
7	R	32/32 (100%)	31 (97%)	1 (3%)	35	69

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
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%)	35 (97%)	1 (3%)	38 72
9	K	33/61 (54%)	28 (85%)	5 (15%)	3 9
9	T	33/61 (54%)	32 (97%)	1 (3%)	36 70
9	g	33/61 (54%)	32 (97%)	1 (3%)	36 70
10	L	117/120 (98%)	112 (96%)	5 (4%)	26 60
10	U	117/120 (98%)	110 (94%)	7 (6%)	17 47
10	h	117/120 (98%)	110 (94%)	7 (6%)	17 47
11	M	25/26 (96%)	25 (100%)	0	100 100
11	V	25/26 (96%)	25 (100%)	0	100 100
11	i	25/26 (96%)	25 (100%)	0	100 100
12	W	20/31 (64%)	19 (95%)	1 (5%)	22 53
12	X	20/31 (64%)	20 (100%)	0	100 100
12	j	20/31 (64%)	20 (100%)	0	100 100
All	All	5400/5652 (96%)	5198 (96%)	202 (4%)	30 64

All (202) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	45	THR
1	A	46	THR
1	A	84	PHE
1	A	120	ILE
1	A	121	VAL
1	A	123	GLN
1	A	141	SER
1	A	153	THR
1	A	216	GLN
1	A	236	ILE
1	A	252	LEU
1	A	277	ASP
1	A	304	ILE
1	A	344	LEU
1	A	349	THR

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Mol	Chain	Res	Type
1	A	367	SER
1	A	429	VAL
1	A	485	VAL
1	A	504	ASN
1	A	562	SER
1	A	605	CYS
1	A	628	ASP
1	A	661	VAL
1	A	682	ILE
2	B	18	ARG
2	B	44	LYS
2	B	112	VAL
2	B	119	VAL
2	B	146	SER
2	B	163	SER
2	B	185	SER
2	B	228	ASN
2	B	266	SER
2	B	270	THR
2	B	325	ILE
2	B	357	SER
2	B	423	SER
2	B	428	VAL
2	B	461	VAL
2	B	497	ASN
2	B	574	CYS
2	B	577	SER
2	B	589	MET
2	B	592	THR
2	B	638	ILE
2	B	646	THR
2	B	696	LEU
3	C	6	ILE
3	C	11	ILE
3	C	48	VAL
3	C	66	VAL
3	C	76	MET
4	D	115	VAL
4	D	124	ASN
4	D	126	SER
5	E	22	THR
5	E	55	VAL

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Mol	Chain	Res	Type
6	F	6	VAL
6	F	40	GLN
1	G	121	VAL
1	G	198	ASN
1	G	247	SER
1	G	248	LEU
1	G	252	LEU
1	G	321	ILE
1	G	355	GLN
1	G	363	MET
1	G	365	SER
1	G	442	SER
1	G	520	VAL
1	G	587	CYS
1	G	614	SER
1	G	632	SER
1	G	661	VAL
1	G	700	LEU
2	H	186	SER
2	H	196	VAL
2	H	266	SER
2	H	270	THR
2	H	304	MET
2	H	318	PHE
2	H	446	VAL
2	H	473	LEU
2	H	480	LEU
2	H	489	SER
2	H	494	ASN
2	H	513	SER
2	H	522	ASP
2	H	536	THR
2	H	638	ILE
2	H	646	THR
2	H	707	SER
2	H	720	SER
2	H	735	THR
7	I	24	THR
8	J	21	ILE
9	K	21	LEU
9	K	35	GLN
9	K	56	LEU

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Mol	Chain	Res	Type
9	K	64	SER
9	K	68	LEU
10	L	14	VAL
10	L	41	LEU
10	L	44	ILE
10	L	76	LEU
10	L	148	ILE
3	N	3	THR
3	N	68	LEU
3	N	76	MET
4	O	3	LEU
4	O	33	SER
4	O	91	THR
4	O	104	LYS
4	O	118	SER
5	P	59	ASN
5	P	62	LEU
6	Q	126	SER
6	Q	130	THR
6	Q	136	ILE
6	Q	139	SER
7	R	19	CYS
8	S	14	LEU
8	S	21	ILE
9	T	69	LEU
10	U	31	ILE
10	U	34	LEU
10	U	48	LEU
10	U	73	VAL
10	U	107	SER
10	U	134	VAL
10	U	148	ILE
12	W	22	ILE
1	Y	12	VAL
1	Y	45	THR
1	Y	88	SER
1	Y	121	VAL
1	Y	182	LYS
1	Y	219	VAL
1	Y	220	SER
1	Y	261	PHE
1	Y	269	THR

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Mol	Chain	Res	Type
1	Y	276	SER
1	Y	295	SER
1	Y	304	ILE
1	Y	367	SER
1	Y	385	THR
1	Y	508	THR
1	Y	510	SER
1	Y	562	SER
1	Y	587	CYS
1	Y	589	VAL
1	Y	642	SER
1	Y	661	VAL
1	Y	712	LYS
1	Y	743	THR
1	Y	753	SER
2	Z	15	PRO
2	Z	67	VAL
2	Z	139	ILE
2	Z	144	LEU
2	Z	156	LEU
2	Z	238	THR
2	Z	266	SER
2	Z	270	THR
2	Z	279	ILE
2	Z	347	ILE
2	Z	349	SER
2	Z	405	GLN
2	Z	439	LEU
2	Z	446	VAL
2	Z	517	THR
2	Z	576	ILE
2	Z	632	LEU
2	Z	633	ASN
2	Z	638	ILE
2	Z	648	ASN
2	Z	683	THR
2	Z	698	ARG
2	Z	707	SER
2	Z	726	THR
3	a	15	GLN
3	a	55	THR
4	b	29	ILE

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Mol	Chain	Res	Type
4	b	62	GLU
4	b	118	SER
4	b	126	SER
4	b	133	LYS
5	c	55	VAL
6	d	105	LEU
6	d	112	THR
6	d	121	LEU
6	d	122	LYS
7	e	2	MET
8	f	22	THR
9	g	58	GLU
10	h	19	THR
10	h	41	LEU
10	h	59	ILE
10	h	63	VAL
10	h	72	ASP
10	h	113	THR
10	h	118	SER

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (158) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	115	GLN
1	A	192	ASN
1	A	200	HIS
1	A	216	GLN
1	A	245	ASN
1	A	301	HIS
1	A	372	GLN
1	A	390	GLN
1	A	426	GLN
1	A	427	ASN
1	A	454	HIS
1	A	492	ASN
1	A	504	ASN
1	A	542	HIS
1	A	647	ASN
1	A	657	GLN
1	A	718	GLN
1	A	726	GLN
2	B	9	GLN

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Mol	Chain	Res	Type
2	B	13	GLN
2	B	52	HIS
2	B	136	GLN
2	B	157	GLN
2	B	228	ASN
2	B	234	GLN
2	B	241	HIS
2	B	330	ASN
2	B	340	HIS
2	B	377	HIS
2	B	417	HIS
2	B	494	ASN
2	B	497	ASN
2	B	633	ASN
2	B	636	GLN
2	B	639	ASN
2	B	688	HIS
2	B	710	GLN
3	C	15	GLN
4	D	63	GLN
4	D	113	ASN
4	D	121	GLN
6	F	50	HIS
1	G	33	HIS
1	G	56	HIS
1	G	61	HIS
1	G	115	GLN
1	G	123	GLN
1	G	138	GLN
1	G	198	ASN
1	G	224	ASN
1	G	240	HIS
1	G	301	HIS
1	G	332	HIS
1	G	341	HIS
1	G	355	GLN
1	G	359	ASN
1	G	372	GLN
1	G	445	ASN
1	G	491	GLN
1	G	494	HIS
1	G	588	GLN

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Mol	Chain	Res	Type
1	G	709	ASN
1	G	718	GLN
2	H	33	HIS
2	H	40	ASN
2	H	52	HIS
2	H	78	GLN
2	H	82	ASN
2	H	105	GLN
2	H	110	ASN
2	H	192	HIS
2	H	228	ASN
2	H	247	GLN
2	H	319	ASN
2	H	331	ASN
2	H	392	HIS
2	H	417	HIS
2	H	455	GLN
2	H	494	ASN
2	H	497	ASN
2	H	527	HIS
2	H	604	HIS
2	H	639	ASN
2	H	647	ASN
2	H	648	ASN
2	H	678	GLN
2	H	688	HIS
8	J	3	HIS
9	K	35	GLN
10	L	9	ASN
10	L	16	HIS
10	L	75	ASN
3	N	2	HIS
3	N	37	GLN
4	O	54	ASN
4	O	71	GLN
4	O	78	ASN
4	O	95	HIS
5	P	58	ASN
6	Q	23	ASN
9	T	67	HIS
10	U	16	HIS
10	U	102	GLN

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Mol	Chain	Res	Type
10	U	141	ASN
12	W	23	ASN
1	Y	33	HIS
1	Y	79	HIS
1	Y	115	GLN
1	Y	123	GLN
1	Y	127	ASN
1	Y	154	ASN
1	Y	179	HIS
1	Y	191	GLN
1	Y	192	ASN
1	Y	198	ASN
1	Y	200	HIS
1	Y	240	HIS
1	Y	301	HIS
1	Y	359	ASN
1	Y	390	GLN
1	Y	445	ASN
1	Y	461	HIS
1	Y	504	ASN
1	Y	641	GLN
1	Y	657	GLN
1	Y	708	HIS
1	Y	726	GLN
2	Z	82	ASN
2	Z	105	GLN
2	Z	131	ASN
2	Z	136	GLN
2	Z	192	HIS
2	Z	241	HIS
2	Z	293	GLN
2	Z	378	HIS
2	Z	455	GLN
2	Z	494	ASN
2	Z	526	HIS
2	Z	611	ASN
2	Z	636	GLN
2	Z	639	ASN
2	Z	647	ASN
2	Z	648	ASN
2	Z	688	HIS
2	Z	695	ASN

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Mol	Chain	Res	Type
2	Z	710	GLN
4	b	54	ASN
4	b	78	ASN
4	b	95	HIS
4	b	106	ASN
4	b	121	GLN
5	c	59	ASN
6	d	23	ASN
10	h	16	HIS
10	h	119	GLN
10	h	141	ASN
10	h	154	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	$\#\|Z\| > 2$
17	BCR	H	843	-	41,41,41	2.80	6 (14%)	56,56,56	7.11	29 (51%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
18	LHG	H	849	-	36,36,48	1.13	2 (5%)	39,42,54	0.91	2 (5%)
14	CLA	B	819	2	49,53,73	2.57	23 (46%)	58,89,113	2.79	27 (46%)
14	CLA	A	824	1	54,58,73	2.62	23 (42%)	64,95,113	2.61	26 (40%)
14	CLA	H	812	2	49,53,73	2.59	22 (44%)	58,89,113	2.67	24 (41%)
14	CLA	L	205	10	69,73,73	2.26	23 (33%)	82,113,113	2.51	28 (34%)
14	CLA	Z	822	2	49,53,73	2.58	21 (42%)	58,89,113	2.79	25 (43%)
14	CLA	A	817	-	54,58,73	2.60	21 (38%)	64,95,113	2.80	26 (40%)
19	LMG	B	848	-	52,52,55	1.51	7 (13%)	60,60,63	1.37	7 (11%)
14	CLA	T	103	-	49,53,73	2.60	22 (44%)	58,89,113	2.68	21 (36%)
14	CLA	S	1103	8	59,63,73	2.46	21 (35%)	70,101,113	2.79	28 (40%)
17	BCR	Y	844	-	41,41,41	2.43	8 (19%)	56,56,56	7.48	24 (42%)
14	CLA	G	836	-	54,58,73	2.67	21 (38%)	64,95,113	2.68	27 (42%)
14	CLA	G	832	1	69,73,73	2.19	19 (27%)	82,113,113	2.50	24 (29%)
14	CLA	Z	830	2	69,73,73	2.17	19 (27%)	82,113,113	2.57	22 (26%)
14	CLA	B	804	2	69,73,73	2.18	20 (28%)	82,113,113	2.54	27 (32%)
14	CLA	Y	814	1	59,63,73	2.49	24 (40%)	70,101,113	2.54	27 (38%)
14	CLA	B	807	2	69,73,73	2.28	21 (30%)	82,113,113	2.51	23 (28%)
14	CLA	A	820	-	69,73,73	2.32	23 (33%)	82,113,113	2.40	27 (32%)
14	CLA	G	835	-	49,53,73	2.57	21 (42%)	58,89,113	2.95	23 (39%)
14	CLA	G	814	1	54,58,73	2.52	22 (40%)	64,95,113	3.01	34 (53%)
14	CLA	Z	815	2	69,73,73	2.29	21 (30%)	82,113,113	2.32	20 (24%)
14	CLA	A	814	-	64,68,73	2.34	23 (35%)	76,107,113	2.58	27 (35%)
17	BCR	G	845	-	41,41,41	2.55	6 (14%)	56,56,56	7.32	29 (51%)
14	CLA	A	803	-	69,73,73	2.21	21 (30%)	82,113,113	2.40	32 (39%)
14	CLA	B	802	-	69,73,73	2.26	23 (33%)	82,113,113	2.23	27 (32%)
14	CLA	G	806	1	69,73,73	2.22	23 (33%)	82,113,113	2.52	26 (31%)
14	CLA	Z	831	2	49,53,73	2.48	21 (42%)	58,89,113	2.93	25 (43%)
14	CLA	A	831	-	69,73,73	2.23	22 (31%)	82,113,113	2.32	27 (32%)
14	CLA	Z	804	-	69,73,73	2.29	20 (28%)	82,113,113	2.21	27 (32%)
14	CLA	Y	808	1	69,73,73	2.22	22 (31%)	82,113,113	2.53	28 (34%)
17	BCR	Q	201	-	41,41,41	2.65	6 (14%)	56,56,56	7.16	27 (48%)
17	BCR	S	1105	-	41,41,41	2.65	6 (14%)	56,56,56	7.49	29 (51%)
14	CLA	Y	834	1	49,53,73	2.61	19 (38%)	58,89,113	2.65	23 (39%)
14	CLA	A	806	1	69,73,73	2.15	19 (27%)	82,113,113	2.42	28 (34%)
14	CLA	Z	841	2	69,73,73	2.28	21 (30%)	82,113,113	2.59	28 (34%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	Y	820	-	64,68,73	2.32	22 (34%)	76,107,113	2.63	26 (34%)
17	BCR	Z	848	-	41,41,41	2.62	7 (17%)	56,56,56	7.48	23 (41%)
14	CLA	T	101	-	45,49,73	2.54	19 (42%)	54,83,113	2.87	23 (42%)
14	CLA	S	1101	1	69,73,73	2.23	20 (28%)	82,113,113	2.48	24 (29%)
14	CLA	g	102	-	49,53,73	2.61	21 (42%)	58,89,113	2.59	22 (37%)
14	CLA	G	803	-	69,73,73	2.19	20 (28%)	82,113,113	2.53	29 (35%)
14	CLA	A	839	1	69,73,73	2.23	21 (30%)	82,113,113	2.38	23 (28%)
14	CLA	Q	202	-	49,53,73	2.53	20 (40%)	58,89,113	2.68	21 (36%)
14	CLA	Y	838	1	69,73,73	2.32	21 (30%)	82,113,113	2.43	25 (30%)
14	CLA	d	202	-	49,53,73	2.59	19 (38%)	58,89,113	2.61	20 (34%)
18	LHG	G	850	-	48,48,48	0.94	2 (4%)	51,54,54	1.18	5 (9%)
17	BCR	B	847	-	41,41,41	2.46	6 (14%)	56,56,56	7.29	26 (46%)
17	BCR	Z	845	-	41,41,41	2.44	6 (14%)	56,56,56	7.41	24 (42%)
14	CLA	G	831	1	54,58,73	2.50	19 (35%)	64,95,113	2.79	30 (46%)
14	CLA	G	804	1,14	63,67,73	2.35	21 (33%)	74,105,113	2.69	22 (29%)
17	BCR	U	1008	-	41,41,41	2.54	7 (17%)	56,56,56	7.18	25 (44%)
14	CLA	Z	840	-	69,73,73	2.22	21 (30%)	82,113,113	2.35	22 (26%)
14	CLA	B	803	-	58,62,73	2.47	23 (39%)	68,99,113	3.07	25 (36%)
14	CLA	Z	833	-	59,63,73	2.44	22 (37%)	70,101,113	2.56	24 (34%)
14	CLA	L	202	1	69,73,73	2.24	20 (28%)	82,113,113	2.53	32 (39%)
17	BCR	G	848	-	41,41,41	2.48	6 (14%)	56,56,56	7.32	24 (42%)
14	CLA	A	813	1	58,62,73	2.46	21 (36%)	68,99,113	2.46	22 (32%)
14	CLA	L	204	-	69,73,73	2.21	21 (30%)	82,113,113	2.48	26 (31%)
14	CLA	A	832	1	54,58,73	2.40	20 (37%)	64,95,113	2.65	28 (43%)
14	CLA	W	1701	12	49,53,73	2.60	20 (40%)	58,89,113	2.86	23 (39%)
14	CLA	Z	811	2	69,73,73	2.19	21 (30%)	82,113,113	2.63	34 (41%)
14	CLA	B	806	2	69,73,73	2.23	22 (31%)	82,113,113	2.63	30 (36%)
17	BCR	d	203	-	41,41,41	2.54	6 (14%)	56,56,56	7.02	29 (51%)
14	CLA	A	827	-	64,68,73	2.29	20 (31%)	76,107,113	2.57	28 (36%)
14	CLA	B	808	2	69,73,73	2.15	21 (30%)	82,113,113	2.60	32 (39%)
17	BCR	B	846	-	41,41,41	2.63	7 (17%)	56,56,56	7.25	26 (46%)
14	CLA	A	836	1	54,58,73	2.61	22 (40%)	64,95,113	2.83	28 (43%)
14	CLA	Y	827	1	69,73,73	2.31	22 (31%)	82,113,113	2.38	30 (36%)
14	CLA	H	801	1	69,73,73	2.25	22 (31%)	82,113,113	2.48	26 (31%)
14	CLA	Z	835	-	49,53,73	2.62	19 (38%)	58,89,113	2.64	23 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	840	1	69,73,73	2.26	23 (33%)	82,113,113	2.44	26 (31%)
17	BCR	Z	843	-	41,41,41	2.70	6 (14%)	56,56,56	7.02	26 (46%)
14	CLA	H	832	2	59,63,73	2.48	19 (32%)	70,101,113	2.49	26 (37%)
14	CLA	L	206	-	69,73,73	2.23	22 (31%)	82,113,113	2.44	27 (32%)
14	CLA	h	205	10	69,73,73	2.28	22 (31%)	82,113,113	2.75	25 (30%)
14	CLA	B	831	2	69,73,73	2.22	21 (30%)	82,113,113	2.57	29 (35%)
18	LHG	Y	851	14	24,24,48	1.58	2 (8%)	27,30,54	1.48	2 (7%)
14	CLA	B	823	2	59,63,73	2.45	23 (38%)	70,101,113	2.47	23 (32%)
14	CLA	A	830	-	69,73,73	2.30	23 (33%)	82,113,113	2.18	28 (34%)
14	CLA	G	813	1	64,68,73	2.35	22 (34%)	76,107,113	2.61	28 (36%)
14	CLA	H	839	-	69,73,73	2.24	22 (31%)	82,113,113	2.51	28 (34%)
14	CLA	f	101	8	49,53,73	2.59	19 (38%)	58,89,113	2.94	24 (41%)
14	CLA	G	811	1,14	69,73,73	2.27	21 (30%)	82,113,113	2.42	25 (30%)
16	SF4	a	102	3	0,12,12	-	-	-		
17	BCR	A	847	-	41,41,41	2.37	7 (17%)	56,56,56	7.26	26 (46%)
14	CLA	B	835	-	49,53,73	2.59	21 (42%)	58,89,113	2.79	24 (41%)
14	CLA	A	854	-	69,73,73	2.24	19 (27%)	82,113,113	2.57	27 (32%)
14	CLA	A	810	-	69,73,73	2.24	21 (30%)	82,113,113	2.34	25 (30%)
14	CLA	A	819	-	69,73,73	2.24	20 (28%)	82,113,113	2.49	29 (35%)
14	CLA	h	206	-	69,73,73	2.24	21 (30%)	82,113,113	2.58	25 (30%)
14	CLA	H	802	-	69,73,73	2.24	21 (30%)	82,113,113	2.55	27 (32%)
17	BCR	I	102	-	41,41,41	2.70	6 (14%)	56,56,56	7.17	23 (41%)
14	CLA	A	811	-	49,53,73	2.55	22 (44%)	58,89,113	2.79	25 (43%)
14	CLA	H	837	2	69,73,73	2.38	22 (31%)	82,113,113	2.40	27 (32%)
14	CLA	A	822	-	69,73,73	2.32	23 (33%)	82,113,113	2.39	22 (26%)
14	CLA	H	815	2	49,53,73	2.56	21 (42%)	58,89,113	2.90	27 (46%)
14	CLA	G	826	-	64,68,73	2.33	22 (34%)	76,107,113	2.58	27 (35%)
14	CLA	Y	805	1	69,73,73	2.20	21 (30%)	82,113,113	2.60	30 (36%)
14	CLA	A	834	1	59,63,73	2.37	22 (37%)	70,101,113	2.67	25 (35%)
14	CLA	A	816	1	54,58,73	2.51	23 (42%)	64,95,113	2.96	29 (45%)
14	CLA	Y	813	1	64,68,73	2.33	22 (34%)	76,107,113	2.54	27 (35%)
14	CLA	H	836	-	64,68,73	2.31	21 (32%)	76,107,113	2.42	27 (35%)
14	CLA	Y	836	1	69,73,73	2.32	22 (31%)	82,113,113	2.40	29 (35%)
17	BCR	h	202	-	41,41,41	2.40	7 (17%)	56,56,56	7.25	29 (51%)
14	CLA	U	1004	-	69,73,73	2.21	21 (30%)	82,113,113	2.53	24 (29%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	J	101	8	49,53,73	2.55	19 (38%)	58,89,113	2.77	24 (41%)
14	CLA	Z	812	2	59,63,73	2.44	22 (37%)	70,101,113	2.50	26 (37%)
14	CLA	d	201	-	69,73,73	2.17	21 (30%)	82,113,113	2.43	27 (32%)
14	CLA	A	805	1,14	63,67,73	2.36	21 (33%)	74,105,113	2.58	26 (35%)
14	CLA	B	830	2	49,53,73	2.58	21 (42%)	58,89,113	2.57	23 (39%)
14	CLA	H	813	2	69,73,73	2.34	22 (31%)	82,113,113	2.44	27 (32%)
14	CLA	B	817	2	64,68,73	2.34	23 (35%)	76,107,113	2.32	21 (27%)
14	CLA	G	818	-	69,73,73	2.21	20 (28%)	82,113,113	2.55	27 (32%)
14	CLA	H	817	-	69,73,73	2.18	20 (28%)	82,113,113	2.67	29 (35%)
14	CLA	A	818	1	64,68,73	2.35	22 (34%)	76,107,113	2.65	28 (36%)
14	CLA	B	815	2	59,63,73	2.45	22 (37%)	70,101,113	2.52	21 (30%)
14	CLA	G	841	-	69,73,73	2.24	21 (30%)	82,113,113	2.32	28 (34%)
14	CLA	B	811	2	54,58,73	2.57	22 (40%)	64,95,113	2.65	26 (40%)
14	CLA	H	805	2	69,73,73	2.30	21 (30%)	82,113,113	2.42	26 (31%)
17	BCR	f	103	-	41,41,41	2.47	6 (14%)	56,56,56	7.24	23 (41%)
14	CLA	Y	816	-	54,58,73	2.56	23 (42%)	64,95,113	2.81	26 (40%)
17	BCR	H	847	-	41,41,41	2.39	7 (17%)	56,56,56	7.41	29 (51%)
14	CLA	Z	809	2	69,73,73	2.20	20 (28%)	82,113,113	2.67	33 (40%)
14	CLA	Y	825	-	69,73,73	2.23	22 (31%)	82,113,113	2.41	27 (32%)
14	CLA	L	201	1	69,73,73	2.19	21 (30%)	82,113,113	2.45	28 (34%)
14	CLA	Z	829	-	69,73,73	2.29	22 (31%)	82,113,113	2.45	29 (35%)
17	BCR	A	848	-	41,41,41	2.48	6 (14%)	56,56,56	7.31	28 (50%)
14	CLA	Y	802	-	69,73,73	2.28	21 (30%)	82,113,113	2.42	32 (39%)
14	CLA	Z	817	-	59,63,73	2.41	23 (38%)	70,101,113	2.67	27 (38%)
14	CLA	H	829	2	69,73,73	2.27	21 (30%)	82,113,113	2.58	28 (34%)
14	CLA	B	834	-	49,53,73	2.58	21 (42%)	58,89,113	2.65	25 (43%)
14	CLA	H	819	-	64,68,73	2.34	23 (35%)	76,107,113	2.37	29 (38%)
14	CLA	Y	832	1	69,73,73	2.22	22 (31%)	82,113,113	2.38	26 (31%)
16	SF4	N	102	3	0,12,12	-	-	-		
16	SF4	G	844	2,1	0,12,12	-	-	-		
14	CLA	A	828	-	69,73,73	2.21	20 (28%)	82,113,113	2.30	28 (34%)
17	BCR	F	201	-	41,41,41	2.59	6 (14%)	56,56,56	7.26	24 (42%)
17	BCR	Z	844	-	41,41,41	2.51	6 (14%)	56,56,56	7.17	30 (53%)
14	CLA	H	838	2	49,53,73	2.56	23 (46%)	58,89,113	2.94	24 (41%)
14	CLA	H	831	2	69,73,73	2.18	21 (30%)	82,113,113	2.73	30 (36%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
17	BCR	Z	850	-	41,41,41	2.64	6 (14%)	56,56,56	7.22	23 (41%)
14	CLA	Y	839	-	54,58,73	2.51	23 (42%)	64,95,113	2.85	27 (42%)
14	CLA	Y	810	1	49,53,73	2.57	23 (46%)	58,89,113	2.64	26 (44%)
14	CLA	Y	809	1	69,73,73	2.25	23 (33%)	82,113,113	2.33	26 (31%)
17	BCR	Y	852	-	41,41,41	2.50	7 (17%)	56,56,56	7.30	23 (41%)
14	CLA	K	101	9	45,49,73	2.49	21 (46%)	54,83,113	2.89	22 (40%)
14	CLA	Y	821	-	69,73,73	2.25	24 (34%)	82,113,113	2.30	26 (31%)
14	CLA	H	807	-	69,73,73	2.19	21 (30%)	82,113,113	2.63	27 (32%)
14	CLA	B	818	-	64,68,73	2.30	23 (35%)	76,107,113	2.49	25 (32%)
16	SF4	A	845	2,1	0,12,12	-	-	-		
14	CLA	H	818	2	64,68,73	2.33	20 (31%)	76,107,113	2.53	28 (36%)
13	CL0	Y	801	1	69,73,73	2.35	21 (30%)	82,113,113	2.47	26 (31%)
14	CLA	Y	835	-	54,58,73	2.55	21 (38%)	64,95,113	2.72	26 (40%)
14	CLA	B	821	-	59,63,73	2.42	22 (37%)	70,101,113	2.47	22 (31%)
14	CLA	G	829	-	69,73,73	2.26	20 (28%)	82,113,113	2.25	29 (35%)
18	LHG	G	851	14	31,31,48	1.27	2 (6%)	34,37,54	1.20	2 (5%)
14	CLA	Y	833	1	59,63,73	2.54	23 (38%)	70,101,113	2.54	25 (35%)
14	CLA	A	823	-	69,73,73	2.20	23 (33%)	82,113,113	2.65	27 (32%)
14	CLA	Z	826	-	69,73,73	2.21	20 (28%)	82,113,113	2.67	29 (35%)
14	CLA	B	820	2	49,53,73	2.63	21 (42%)	58,89,113	2.62	23 (39%)
14	CLA	B	840	-	69,73,73	2.17	19 (27%)	82,113,113	2.59	33 (40%)
14	CLA	G	817	1	64,68,73	2.39	22 (34%)	76,107,113	2.53	29 (38%)
14	CLA	H	822	-	59,63,73	2.38	23 (38%)	70,101,113	2.72	25 (35%)
14	CLA	G	815	1	54,58,73	2.58	22 (40%)	64,95,113	2.97	27 (42%)
14	CLA	B	833	-	49,53,73	2.56	22 (44%)	58,89,113	2.97	24 (41%)
14	CLA	Z	808	2	69,73,73	2.11	20 (28%)	82,113,113	2.46	25 (30%)
14	CLA	Z	818	2	69,73,73	2.31	22 (31%)	82,113,113	2.50	25 (30%)
17	BCR	F	203	-	41,41,41	2.61	7 (17%)	56,56,56	7.13	28 (50%)
17	BCR	G	847	-	41,41,41	2.51	6 (14%)	56,56,56	7.35	30 (53%)
14	CLA	G	809	-	69,73,73	2.27	21 (30%)	82,113,113	2.54	32 (39%)
14	CLA	Y	806	1	69,73,73	2.26	21 (30%)	82,113,113	2.48	27 (32%)
14	CLA	Y	823	1	54,58,73	2.64	20 (37%)	64,95,113	2.75	26 (40%)
14	CLA	A	804	1	69,73,73	2.33	23 (33%)	82,113,113	2.43	26 (31%)
14	CLA	B	827	-	69,73,73	2.30	21 (30%)	82,113,113	2.35	27 (32%)
14	CLA	G	842	18	54,58,73	2.52	22 (40%)	64,95,113	2.88	26 (40%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	822	1	69,73,73	2.24	22 (31%)	82,113,113	2.60	26 (31%)
17	BCR	J	103	-	41,41,41	2.54	6 (14%)	56,56,56	7.11	30 (53%)
17	BCR	B	843	-	41,41,41	2.56	7 (17%)	56,56,56	7.46	24 (42%)
17	BCR	H	845	-	25,25,41	2.16	2 (8%)	33,33,56	8.11	18 (54%)
17	BCR	L	208	-	41,41,41	2.49	6 (14%)	56,56,56	7.19	30 (53%)
14	CLA	Z	814	-	69,73,73	2.28	23 (33%)	82,113,113	2.37	25 (30%)
14	CLA	Z	834	-	49,53,73	2.58	21 (42%)	58,89,113	2.90	25 (43%)
14	CLA	Y	819	-	69,73,73	2.30	22 (31%)	82,113,113	2.63	26 (31%)
14	CLA	G	852	-	69,73,73	2.23	22 (31%)	82,113,113	2.20	25 (30%)
14	CLA	A	835	1	49,53,73	2.56	21 (42%)	58,89,113	2.74	23 (39%)
14	CLA	Z	820	-	64,68,73	2.32	22 (34%)	76,107,113	2.37	24 (31%)
16	SF4	C	101	3	0,12,12	-	-	-		
16	SF4	N	101	3	0,12,12	-	-	-		
18	LHG	Y	850	-	48,48,48	1.03	2 (4%)	51,54,54	1.31	5 (9%)
17	BCR	R	101	-	41,41,41	2.44	7 (17%)	56,56,56	7.66	24 (42%)
18	LHG	j	101	-	27,27,48	1.29	2 (7%)	30,33,54	1.22	3 (10%)
14	CLA	Y	831	1	54,58,73	2.43	21 (38%)	64,95,113	2.79	22 (34%)
14	CLA	Y	804	1,14	63,67,73	2.35	22 (34%)	74,105,113	2.75	23 (31%)
17	BCR	H	844	-	41,41,41	2.72	7 (17%)	56,56,56	7.18	25 (44%)
14	CLA	H	824	2	59,63,73	2.52	23 (38%)	70,101,113	2.68	28 (40%)
14	CLA	A	840	-	54,58,73	2.61	22 (40%)	64,95,113	2.75	25 (39%)
14	CLA	A	838	1	54,58,73	2.56	22 (40%)	64,95,113	2.87	30 (46%)
14	CLA	Y	829	-	69,73,73	2.33	21 (30%)	82,113,113	2.27	24 (29%)
14	CLA	Z	838	2	69,73,73	2.24	21 (30%)	82,113,113	2.48	24 (29%)
14	CLA	X	1701	12	49,53,73	2.65	22 (44%)	58,89,113	2.56	24 (41%)
14	CLA	A	833	1	69,73,73	2.20	20 (28%)	82,113,113	2.45	27 (32%)
14	CLA	Y	807	1	55,59,73	2.55	24 (43%)	64,96,113	2.74	25 (39%)
14	CLA	G	837	1	69,73,73	2.20	22 (31%)	82,113,113	2.52	23 (28%)
14	CLA	Z	821	2	49,53,73	2.56	20 (40%)	58,89,113	2.76	27 (46%)
14	CLA	B	809	2	69,73,73	2.30	20 (28%)	82,113,113	2.51	30 (36%)
14	CLA	Y	828	-	69,73,73	2.30	22 (31%)	82,113,113	2.37	26 (31%)
14	CLA	Y	812	-	59,63,73	2.42	22 (37%)	70,101,113	2.57	25 (35%)
18	LHG	A	852	-	48,48,48	0.98	2 (4%)	51,54,54	1.24	5 (9%)
14	CLA	A	815	1	54,58,73	2.60	22 (40%)	64,95,113	2.87	31 (48%)
14	CLA	H	809	2	69,73,73	2.13	21 (30%)	82,113,113	2.56	32 (39%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	h	204	10	69,73,73	2.28	20 (28%)	82,113,113	2.26	27 (32%)
14	CLA	B	828	2	69,73,73	2.24	20 (28%)	82,113,113	2.52	29 (35%)
14	CLA	H	827	2	69,73,73	2.18	19 (27%)	82,113,113	2.40	26 (31%)
14	CLA	Y	837	-	54,58,73	2.63	22 (40%)	64,95,113	2.67	29 (45%)
14	CLA	Z	839	2	49,53,73	2.53	21 (42%)	58,89,113	2.95	26 (44%)
17	BCR	Z	846	-	25,25,41	2.11	2 (8%)	33,33,56	8.10	18 (54%)
14	CLA	H	816	2	59,63,73	2.51	22 (37%)	70,101,113	2.79	27 (38%)
17	BCR	S	1104	-	41,41,41	2.69	6 (14%)	56,56,56	7.08	26 (46%)
14	CLA	H	835	-	49,53,73	2.56	19 (38%)	58,89,113	2.80	23 (39%)
14	CLA	G	808	1	69,73,73	2.27	22 (31%)	82,113,113	2.48	25 (30%)
14	CLA	B	816	-	69,73,73	2.28	22 (31%)	82,113,113	2.42	26 (31%)
14	CLA	A	826	-	69,73,73	2.28	22 (31%)	82,113,113	2.46	28 (34%)
14	CLA	G	833	-	69,73,73	2.28	21 (30%)	82,113,113	2.61	30 (36%)
14	CLA	J	102	8	59,63,73	2.48	23 (38%)	70,101,113	2.73	29 (41%)
14	CLA	A	837	1	69,73,73	2.22	19 (27%)	82,113,113	2.43	24 (29%)
14	CLA	Y	815	1	54,58,73	2.60	21 (38%)	64,95,113	2.85	26 (40%)
14	CLA	U	1003	10	69,73,73	2.23	20 (28%)	82,113,113	2.39	23 (28%)
17	BCR	A	850	-	41,41,41	2.55	7 (17%)	56,56,56	7.29	24 (42%)
17	BCR	Y	848	-	41,41,41	2.40	6 (14%)	56,56,56	7.29	25 (44%)
17	BCR	T	102	-	41,41,41	2.42	6 (14%)	56,56,56	7.43	27 (48%)
14	CLA	K	102	-	49,53,73	2.55	20 (40%)	58,89,113	2.73	22 (37%)
14	CLA	A	808	-	55,59,73	2.51	23 (41%)	64,96,113	2.94	23 (35%)
14	CLA	Z	805	-	58,62,73	2.30	22 (37%)	68,99,113	2.93	27 (39%)
15	PQN	B	841	-	34,34,34	1.76	3 (8%)	43,45,45	1.16	5 (11%)
17	BCR	Y	849	-	41,41,41	2.78	6 (14%)	56,56,56	7.53	30 (53%)
14	CLA	Z	801	-	69,73,73	2.20	21 (30%)	82,113,113	2.52	26 (31%)
14	CLA	G	830	1	69,73,73	2.23	20 (28%)	82,113,113	2.41	25 (30%)
14	CLA	Y	811	1,14	69,73,73	2.30	20 (28%)	82,113,113	2.33	24 (29%)
17	BCR	R	102	-	41,41,41	2.67	6 (14%)	56,56,56	7.28	25 (44%)
14	CLA	B	812	2	69,73,73	2.25	22 (31%)	82,113,113	2.56	29 (35%)
14	CLA	H	821	2	49,53,73	2.66	19 (38%)	58,89,113	2.67	22 (37%)
14	CLA	G	839	-	54,58,73	2.65	20 (37%)	64,95,113	2.78	29 (45%)
14	CLA	H	806	-	69,73,73	2.29	21 (30%)	82,113,113	2.43	28 (34%)
17	BCR	B	850	-	41,41,41	2.56	6 (14%)	56,56,56	7.23	28 (50%)
14	CLA	B	810	2	59,63,73	2.41	22 (37%)	70,101,113	2.61	29 (41%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	Z	827	-	69,73,73	2.17	22 (31%)	82,113,113	2.46	25 (30%)
17	BCR	Y	853	-	41,41,41	2.68	6 (14%)	56,56,56	7.05	29 (51%)
14	CLA	G	821	-	69,73,73	2.30	21 (30%)	82,113,113	2.46	24 (29%)
14	CLA	Y	824	-	64,68,73	2.37	22 (34%)	76,107,113	2.58	28 (36%)
14	CLA	H	830	2	49,53,73	2.55	20 (40%)	58,89,113	3.06	28 (48%)
14	CLA	H	803	2	69,73,73	2.24	20 (28%)	82,113,113	2.35	29 (35%)
13	CL0	G	801	1	69,73,73	2.44	20 (28%)	82,113,113	2.75	30 (36%)
14	CLA	B	824	-	69,73,73	2.27	22 (31%)	82,113,113	2.59	29 (35%)
14	CLA	Z	823	-	59,63,73	2.48	22 (37%)	70,101,113	2.43	24 (34%)
17	BCR	V	101	-	41,41,41	2.54	6 (14%)	56,56,56	7.40	30 (53%)
14	CLA	U	1006	1	69,73,73	2.31	21 (30%)	82,113,113	2.41	26 (31%)
14	CLA	Z	816	2	49,53,73	2.53	20 (40%)	58,89,113	2.87	22 (37%)
14	CLA	B	826	-	69,73,73	2.23	22 (31%)	82,113,113	2.32	24 (29%)
17	BCR	U	1005	-	41,41,41	2.62	6 (14%)	56,56,56	7.27	25 (44%)
19	LMG	H	848	-	49,49,55	1.46	8 (16%)	57,57,63	1.12	5 (8%)
17	BCR	L	207	-	41,41,41	2.63	6 (14%)	56,56,56	7.23	21 (37%)
14	CLA	Z	828	2	69,73,73	2.30	21 (30%)	82,113,113	2.43	27 (32%)
14	CLA	Z	819	2	64,68,73	2.32	21 (32%)	76,107,113	2.62	24 (31%)
14	CLA	A	843	18	54,58,73	2.54	23 (42%)	64,95,113	3.03	27 (42%)
17	BCR	i	101	-	41,41,41	2.59	6 (14%)	56,56,56	7.74	31 (55%)
14	CLA	H	808	2	69,73,73	2.22	20 (28%)	82,113,113	2.44	30 (36%)
17	BCR	B	844	-	41,41,41	2.52	6 (14%)	56,56,56	7.28	28 (50%)
15	PQN	Z	842	-	34,34,34	1.85	2 (5%)	43,45,45	1.27	3 (6%)
14	CLA	Y	841	-	69,73,73	2.16	19 (27%)	82,113,113	2.39	22 (26%)
15	PQN	A	844	-	34,34,34	1.63	2 (5%)	43,45,45	1.19	3 (6%)
14	CLA	B	836	2	64,68,73	2.34	22 (34%)	76,107,113	2.56	27 (35%)
14	CLA	H	804	-	58,62,73	2.44	20 (34%)	68,99,113	2.86	25 (36%)
14	CLA	Y	826	-	64,68,73	2.30	20 (31%)	76,107,113	2.46	23 (30%)
14	CLA	G	827	1	69,73,73	2.27	20 (28%)	82,113,113	2.31	28 (34%)
14	CLA	A	841	1	69,73,73	2.25	21 (30%)	82,113,113	2.49	29 (35%)
14	CLA	G	834	1	59,63,73	2.43	22 (37%)	70,101,113	2.49	29 (41%)
14	CLA	H	851	18	54,58,73	2.56	23 (42%)	64,95,113	3.00	28 (43%)
14	CLA	G	853	-	49,53,73	2.47	23 (46%)	58,89,113	2.58	25 (43%)
14	CLA	Z	807	2	69,73,73	2.33	18 (26%)	82,113,113	2.18	23 (28%)
14	CLA	Y	818	1	69,73,73	2.26	19 (27%)	82,113,113	2.55	27 (32%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	820	1	64,68,73	2.33	23 (35%)	76,107,113	2.54	27 (35%)
17	BCR	A	851	-	41,41,41	2.56	6 (14%)	56,56,56	7.42	27 (48%)
14	CLA	B	813	2	69,73,73	2.21	20 (28%)	82,113,113	2.44	26 (31%)
14	CLA	G	823	-	54,58,73	2.56	23 (42%)	64,95,113	2.77	25 (39%)
15	PQN	Y	842	-	34,34,34	1.80	2 (5%)	43,45,45	1.05	3 (6%)
14	CLA	S	1102	8	49,53,73	2.58	22 (44%)	58,89,113	2.73	21 (36%)
17	BCR	A	846	-	41,41,41	2.66	6 (14%)	56,56,56	7.51	27 (48%)
17	BCR	Y	845	-	41,41,41	2.53	6 (14%)	56,56,56	7.32	29 (51%)
18	LHG	B	849	-	38,38,48	1.09	2 (5%)	41,44,54	1.26	4 (9%)
14	CLA	Z	802	-	69,73,73	2.19	21 (30%)	82,113,113	2.52	29 (35%)
14	CLA	B	814	-	49,53,73	2.57	21 (42%)	58,89,113	2.85	24 (41%)
19	LMG	Z	849	-	49,49,55	1.37	7 (14%)	57,57,63	1.27	6 (10%)
14	CLA	Z	836	-	49,53,73	2.55	22 (44%)	58,89,113	2.96	24 (41%)
14	CLA	G	819	-	69,73,73	2.27	22 (31%)	82,113,113	2.50	26 (31%)
14	CLA	g	101	-	45,49,73	2.56	18 (40%)	54,83,113	2.73	21 (38%)
17	BCR	B	845	-	25,25,41	2.10	2 (8%)	33,33,56	8.07	14 (42%)
14	CLA	U	1007	1	69,73,73	2.31	23 (33%)	82,113,113	2.45	32 (39%)
13	CL0	A	801	1	69,73,73	2.33	20 (28%)	82,113,113	2.57	23 (28%)
14	CLA	H	820	2	49,53,73	2.49	19 (38%)	58,89,113	2.86	24 (41%)
14	CLA	A	821	1	64,68,73	2.38	23 (35%)	76,107,113	2.55	25 (32%)
14	CLA	F	202	-	49,53,73	2.47	21 (42%)	58,89,113	2.81	25 (43%)
14	CLA	H	810	2	69,73,73	2.25	22 (31%)	82,113,113	2.73	33 (40%)
14	CLA	B	838	2	49,53,73	2.67	20 (40%)	58,89,113	2.50	23 (39%)
14	CLA	G	807	1	55,59,73	2.57	22 (40%)	64,96,113	2.68	27 (42%)
14	CLA	B	825	2	69,73,73	2.16	21 (30%)	82,113,113	2.52	25 (30%)
14	CLA	Y	830	1	69,73,73	2.28	20 (28%)	82,113,113	2.38	24 (29%)
16	SF4	C	102	3,21	0,12,12	-	-	-		
14	CLA	A	807	1	69,73,73	2.26	23 (33%)	82,113,113	2.45	29 (35%)
14	CLA	Z	824	2	64,68,73	2.41	22 (34%)	76,107,113	2.36	26 (34%)
14	CLA	Y	803	1	69,73,73	2.25	22 (31%)	82,113,113	2.65	25 (30%)
15	PQN	H	841	-	34,34,34	1.70	2 (5%)	43,45,45	1.26	4 (9%)
17	BCR	U	1009	-	41,41,41	2.35	7 (17%)	56,56,56	7.51	31 (55%)
14	CLA	H	811	-	59,63,73	2.40	22 (37%)	70,101,113	2.59	32 (45%)
17	BCR	I	101	-	41,41,41	2.63	7 (17%)	56,56,56	7.64	22 (39%)
14	CLA	G	828	1	69,73,73	2.25	23 (33%)	82,113,113	2.43	26 (31%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	H	840	-	69,73,73	2.23	20 (28%)	82,113,113	2.70	28 (34%)
14	CLA	A	812	1,14	69,73,73	2.16	20 (28%)	82,113,113	2.55	26 (31%)
17	BCR	G	846	-	41,41,41	2.68	6 (14%)	56,56,56	7.04	27 (48%)
18	LHG	A	853	14	31,31,48	1.20	2 (6%)	34,37,54	1.17	2 (5%)
17	BCR	Z	847	-	41,41,41	2.46	6 (14%)	56,56,56	7.33	32 (57%)
14	CLA	Y	822	1	69,73,73	2.27	23 (33%)	82,113,113	2.53	26 (31%)
14	CLA	Z	810	2	69,73,73	2.13	21 (30%)	82,113,113	2.60	26 (31%)
14	CLA	H	833	2	49,53,73	2.49	22 (44%)	58,89,113	2.83	24 (41%)
16	SF4	Y	843	2,1	0,12,12	-	-	-		
17	BCR	H	842	-	41,41,41	2.73	6 (14%)	56,56,56	7.12	23 (41%)
14	CLA	B	839	-	69,73,73	2.30	22 (31%)	82,113,113	2.42	26 (31%)
14	CLA	G	805	-	69,73,73	2.20	23 (33%)	82,113,113	2.55	24 (29%)
14	CLA	H	826	2	69,73,73	2.27	23 (33%)	82,113,113	2.32	25 (30%)
14	CLA	Z	803	-	69,73,73	2.22	21 (30%)	82,113,113	2.45	28 (34%)
14	CLA	B	822	-	64,68,73	2.38	19 (29%)	76,107,113	2.41	26 (34%)
14	CLA	H	828	-	69,73,73	2.20	22 (31%)	82,113,113	2.43	26 (31%)
17	BCR	H	846	-	41,41,41	2.44	6 (14%)	56,56,56	7.28	27 (48%)
14	CLA	G	825	-	69,73,73	2.27	22 (31%)	82,113,113	2.35	29 (35%)
14	CLA	Y	817	1	64,68,73	2.39	22 (34%)	76,107,113	2.50	27 (35%)
14	CLA	A	825	-	64,68,73	2.34	21 (32%)	76,107,113	2.46	26 (34%)
14	CLA	H	814	2	69,73,73	2.31	20 (28%)	82,113,113	2.55	24 (29%)
14	CLA	Z	806	2	69,73,73	2.27	24 (34%)	82,113,113	2.44	26 (31%)
14	CLA	Z	813	2	49,53,73	2.60	21 (42%)	58,89,113	2.67	22 (37%)
17	BCR	J	104	-	41,41,41	2.69	6 (14%)	56,56,56	7.20	27 (48%)
17	BCR	Y	846	-	41,41,41	2.43	6 (14%)	56,56,56	7.57	28 (50%)
14	CLA	B	837	2	69,73,73	2.19	19 (27%)	82,113,113	2.48	29 (35%)
14	CLA	j	102	12	49,53,73	2.62	21 (42%)	58,89,113	2.73	20 (34%)
17	BCR	Q	203	-	41,41,41	2.46	6 (14%)	56,56,56	7.31	28 (50%)
14	CLA	B	805	2	69,73,73	2.21	21 (30%)	82,113,113	2.38	25 (30%)
17	BCR	G	849	-	41,41,41	2.56	6 (14%)	56,56,56	7.51	32 (57%)
17	BCR	A	849	-	41,41,41	2.57	6 (14%)	56,56,56	7.13	29 (51%)
14	CLA	G	812	-	58,62,73	2.48	20 (34%)	68,99,113	2.64	29 (42%)
14	CLA	B	801	-	69,73,73	2.19	20 (28%)	82,113,113	2.44	26 (31%)
17	BCR	B	842	-	30,30,41	3.10	6 (20%)	39,39,56	8.24	20 (51%)
15	PQN	G	843	-	34,34,34	1.71	2 (5%)	43,45,45	1.21	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	A	842	-	69,73,73	2.20	19 (27%)	82,113,113	2.41	27 (32%)
14	CLA	G	810	1	49,53,73	2.64	23 (46%)	58,89,113	2.71	23 (39%)
14	CLA	B	832	-	59,63,73	2.42	23 (38%)	70,101,113	2.70	25 (35%)
14	CLA	H	823	-	64,68,73	2.35	20 (31%)	76,107,113	2.59	30 (39%)
14	CLA	G	838	-	54,58,73	2.58	20 (37%)	64,95,113	2.72	24 (37%)
14	CLA	U	1002	10	69,73,73	2.25	22 (31%)	82,113,113	2.55	26 (31%)
17	BCR	H	850	-	41,41,41	2.66	6 (14%)	56,56,56	7.20	28 (50%)
14	CLA	f	102	-	59,63,73	2.50	22 (37%)	70,101,113	2.71	26 (37%)
14	CLA	H	834	-	49,53,73	2.53	21 (42%)	58,89,113	2.91	23 (39%)
14	CLA	Y	840	-	69,73,73	2.25	22 (31%)	82,113,113	2.35	22 (26%)
14	CLA	Z	837	-	64,68,73	2.32	22 (34%)	76,107,113	2.58	30 (39%)
16	SF4	a	101	3	0,12,12	-	-	-		
14	CLA	A	809	1	69,73,73	2.24	22 (31%)	82,113,113	2.40	25 (30%)
14	CLA	G	802	-	69,73,73	2.30	23 (33%)	82,113,113	2.44	23 (28%)
17	BCR	h	207	-	41,41,41	2.69	7 (17%)	56,56,56	7.14	19 (33%)
14	CLA	h	201	1	69,73,73	2.20	20 (28%)	82,113,113	2.37	27 (32%)
14	CLA	A	829	-	69,73,73	2.18	20 (28%)	82,113,113	2.56	28 (34%)
14	CLA	G	824	-	64,68,73	2.42	19 (29%)	76,107,113	2.48	24 (31%)
17	BCR	e	101	-	41,41,41	2.50	7 (17%)	56,56,56	7.87	32 (57%)
14	CLA	Z	825	2	59,63,73	2.49	23 (38%)	70,101,113	2.57	25 (35%)
14	CLA	Z	832	2	49,53,73	2.45	21 (42%)	58,89,113	2.81	26 (44%)
14	CLA	G	816	-	54,58,73	2.58	22 (40%)	64,95,113	2.74	25 (39%)
17	BCR	M	101	-	41,41,41	2.55	7 (17%)	56,56,56	7.29	28 (50%)
17	BCR	Y	847	-	41,41,41	2.54	6 (14%)	56,56,56	7.31	26 (46%)
14	CLA	A	802	-	69,73,73	2.21	19 (27%)	82,113,113	2.42	25 (30%)
14	CLA	H	825	-	69,73,73	2.25	23 (33%)	82,113,113	2.72	30 (36%)
14	CLA	B	829	2	49,53,73	2.50	21 (42%)	58,89,113	2.90	24 (41%)

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
17	BCR	H	843	-	-	9/29/63/63	0/2/2/2
18	LHG	H	849	-	-	21/41/41/53	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B	819	2	-	4/15/91/115	-
14	CLA	A	824	1	-	10/21/97/115	-
14	CLA	H	812	2	-	6/15/91/115	-
14	CLA	L	205	10	-	15/39/115/115	-
14	CLA	Z	822	2	-	6/15/91/115	-
14	CLA	A	817	-	-	7/21/97/115	-
19	LMG	B	848	-	-	12/47/67/70	0/1/1/1
14	CLA	T	103	-	-	6/15/91/115	-
14	CLA	S	1103	8	-	14/27/103/115	-
17	BCR	Y	844	-	-	8/29/63/63	0/2/2/2
14	CLA	G	836	-	-	4/21/97/115	-
14	CLA	G	832	1	-	15/39/115/115	-
14	CLA	Z	830	2	-	10/39/115/115	-
14	CLA	B	804	2	-	14/39/115/115	-
14	CLA	Y	814	1	-	11/27/103/115	-
14	CLA	B	807	2	-	18/39/115/115	-
14	CLA	A	820	-	-	16/39/115/115	-
14	CLA	G	835	-	-	5/15/91/115	-
14	CLA	G	814	1	-	4/21/97/115	-
14	CLA	Z	815	2	-	10/39/115/115	-
14	CLA	A	814	-	-	11/33/109/115	-
17	BCR	G	845	-	-	8/29/63/63	0/2/2/2
14	CLA	A	803	-	-	9/39/115/115	-
14	CLA	B	802	-	-	10/39/115/115	-
14	CLA	G	806	1	-	20/39/115/115	-
14	CLA	Z	831	2	-	5/15/91/115	-
14	CLA	A	831	-	-	14/39/115/115	-
14	CLA	Z	804	-	-	13/39/115/115	-
14	CLA	Y	808	1	-	20/39/115/115	-
17	BCR	Q	201	-	-	11/29/63/63	0/2/2/2
17	BCR	S	1105	-	-	12/29/63/63	0/2/2/2
14	CLA	Y	834	1	-	3/15/91/115	-
14	CLA	A	806	1	-	24/39/115/115	-
14	CLA	Z	841	2	-	12/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	820	-	-	12/33/109/115	-
17	BCR	Z	848	-	-	9/29/63/63	0/2/2/2
14	CLA	T	101	-	-	7/9/81/115	-
14	CLA	S	1101	1	-	18/39/115/115	-
14	CLA	g	102	-	-	3/15/91/115	-
14	CLA	G	803	-	-	12/39/115/115	-
14	CLA	A	839	1	-	13/39/115/115	-
14	CLA	Q	202	-	-	2/15/91/115	-
14	CLA	Y	838	1	-	9/39/115/115	-
14	CLA	d	202	-	-	2/15/91/115	-
18	LHG	G	850	-	-	26/53/53/53	-
17	BCR	B	847	-	-	6/29/63/63	0/2/2/2
17	BCR	Z	845	-	-	10/29/63/63	0/2/2/2
14	CLA	G	831	1	-	12/21/97/115	-
14	CLA	G	804	1,14	-	10/32/108/115	-
17	BCR	U	1008	-	-	16/29/63/63	0/2/2/2
14	CLA	Z	840	-	-	11/39/115/115	-
14	CLA	B	803	-	-	7/26/102/115	-
14	CLA	Z	833	-	-	12/27/103/115	-
14	CLA	L	202	1	-	15/39/115/115	-
17	BCR	G	848	-	-	8/29/63/63	0/2/2/2
14	CLA	A	813	1	-	6/26/102/115	-
14	CLA	L	204	-	-	20/39/115/115	-
14	CLA	A	832	1	-	3/21/97/115	-
14	CLA	W	1701	12	-	6/15/91/115	-
14	CLA	Z	811	2	-	18/39/115/115	-
14	CLA	B	806	2	-	10/39/115/115	-
17	BCR	d	203	-	-	6/29/63/63	0/2/2/2
14	CLA	A	827	-	-	10/33/109/115	-
14	CLA	B	808	2	-	16/39/115/115	-
17	BCR	B	846	-	-	11/29/63/63	0/2/2/2
14	CLA	A	836	1	-	5/21/97/115	-
14	CLA	Y	827	1	-	15/39/115/115	-
14	CLA	H	801	1	-	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Z	835	-	-	8/15/91/115	-
14	CLA	G	840	1	-	17/39/115/115	-
17	BCR	Z	843	-	-	12/29/63/63	0/2/2/2
14	CLA	H	832	2	-	14/27/103/115	-
14	CLA	L	206	-	-	9/39/115/115	-
14	CLA	h	205	10	-	15/39/115/115	-
14	CLA	B	831	2	-	19/39/115/115	-
18	LHG	Y	851	14	-	17/28/28/53	-
14	CLA	B	823	2	-	12/27/103/115	-
14	CLA	A	830	-	-	15/39/115/115	-
14	CLA	G	813	1	-	11/33/109/115	-
14	CLA	H	839	-	-	6/39/115/115	-
14	CLA	f	101	8	-	5/15/91/115	-
14	CLA	G	811	1,14	-	21/39/115/115	-
17	BCR	A	847	-	-	9/29/63/63	0/2/2/2
16	SF4	a	102	3	-	-	0/6/5/5
14	CLA	B	835	-	-	6/15/91/115	-
14	CLA	A	854	-	-	16/39/115/115	-
14	CLA	A	810	-	-	12/39/115/115	-
14	CLA	A	819	-	-	20/39/115/115	-
14	CLA	h	206	-	-	15/39/115/115	-
14	CLA	H	802	-	-	21/39/115/115	-
17	BCR	I	102	-	-	9/29/63/63	0/2/2/2
14	CLA	A	811	-	-	6/15/91/115	-
14	CLA	H	837	2	-	14/39/115/115	-
14	CLA	A	822	-	-	13/39/115/115	-
14	CLA	H	815	2	-	7/15/91/115	-
14	CLA	G	826	-	-	7/33/109/115	-
14	CLA	Y	805	1	-	16/39/115/115	-
14	CLA	A	834	1	-	8/27/103/115	-
14	CLA	A	816	1	-	5/21/97/115	-
14	CLA	Y	813	1	-	9/33/109/115	-
14	CLA	H	836	-	-	18/33/109/115	-
14	CLA	Y	836	1	-	18/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	h	202	-	-	7/29/63/63	0/2/2/2
14	CLA	U	1004	-	-	15/39/115/115	-
14	CLA	J	101	8	-	7/15/91/115	-
14	CLA	Z	812	2	-	12/27/103/115	-
14	CLA	d	201	-	-	13/39/115/115	-
14	CLA	A	805	1,14	-	15/32/108/115	-
14	CLA	B	830	2	-	3/15/91/115	-
14	CLA	H	813	2	-	18/39/115/115	-
14	CLA	B	817	2	-	8/33/109/115	-
14	CLA	G	818	-	-	18/39/115/115	-
14	CLA	H	817	-	-	15/39/115/115	-
14	CLA	A	818	1	-	14/33/109/115	-
14	CLA	B	815	2	-	10/27/103/115	-
14	CLA	G	841	-	-	14/39/115/115	-
14	CLA	B	811	2	-	6/21/97/115	-
14	CLA	H	805	2	-	16/39/115/115	-
17	BCR	f	103	-	-	5/29/63/63	0/2/2/2
14	CLA	Y	816	-	-	8/21/97/115	-
17	BCR	H	847	-	-	8/29/63/63	0/2/2/2
14	CLA	Z	809	2	-	17/39/115/115	-
14	CLA	Y	825	-	-	14/39/115/115	-
14	CLA	L	201	1	-	17/39/115/115	-
14	CLA	Z	829	-	-	13/39/115/115	-
17	BCR	A	848	-	-	10/29/63/63	0/2/2/2
14	CLA	Y	802	-	-	10/39/115/115	-
14	CLA	Z	817	-	-	11/27/103/115	-
14	CLA	H	829	2	-	12/39/115/115	-
14	CLA	B	834	-	-	6/15/91/115	-
14	CLA	H	819	-	-	14/33/109/115	-
14	CLA	Y	832	1	-	21/39/115/115	-
16	SF4	N	102	3	-	-	0/6/5/5
16	SF4	G	844	2,1	-	-	0/6/5/5
14	CLA	A	828	-	-	17/39/115/115	-
17	BCR	F	201	-	-	10/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	Z	844	-	-	8/29/63/63	0/2/2/2
14	CLA	H	838	2	-	0/15/91/115	-
14	CLA	H	831	2	-	17/39/115/115	-
17	BCR	Z	850	-	-	4/29/63/63	0/2/2/2
14	CLA	Y	839	-	-	3/21/97/115	-
14	CLA	Y	810	1	-	2/15/91/115	-
14	CLA	Y	809	1	-	15/39/115/115	-
17	BCR	Y	852	-	-	13/29/63/63	0/2/2/2
14	CLA	K	101	9	-	6/9/81/115	-
14	CLA	Y	821	-	-	16/39/115/115	-
14	CLA	H	807	-	-	8/39/115/115	-
14	CLA	B	818	-	-	17/33/109/115	-
16	SF4	A	845	2,1	-	-	0/6/5/5
14	CLA	H	818	2	-	16/33/109/115	-
13	CL0	Y	801	1	-	17/39/115/115	-
14	CLA	Y	835	-	-	8/21/97/115	-
14	CLA	B	821	-	-	13/27/103/115	-
14	CLA	G	829	-	-	14/39/115/115	-
18	LHG	G	851	14	-	15/36/36/53	-
14	CLA	Y	833	1	-	10/27/103/115	-
14	CLA	A	823	-	-	17/39/115/115	-
14	CLA	Z	826	-	-	12/39/115/115	-
14	CLA	B	820	2	-	9/15/91/115	-
14	CLA	B	840	-	-	10/39/115/115	-
14	CLA	G	817	1	-	13/33/109/115	-
14	CLA	H	822	-	-	9/27/103/115	-
14	CLA	G	815	1	-	5/21/97/115	-
14	CLA	B	833	-	-	6/15/91/115	-
14	CLA	Z	808	2	-	17/39/115/115	-
14	CLA	Z	818	2	-	14/39/115/115	-
17	BCR	F	203	-	-	4/29/63/63	0/2/2/2
17	BCR	G	847	-	-	7/29/63/63	0/2/2/2
14	CLA	G	809	-	-	16/39/115/115	-
14	CLA	Y	806	1	-	16/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	823	1	-	9/21/97/115	-
14	CLA	A	804	1	-	16/39/115/115	-
14	CLA	B	827	-	-	20/39/115/115	-
14	CLA	G	842	18	-	5/21/97/115	-
14	CLA	G	822	1	-	12/39/115/115	-
17	BCR	J	103	-	-	6/29/63/63	0/2/2/2
17	BCR	B	843	-	-	7/29/63/63	0/2/2/2
17	BCR	H	845	-	-	8/18/35/63	0/1/1/2
17	BCR	L	208	-	-	8/29/63/63	0/2/2/2
14	CLA	Z	814	-	-	18/39/115/115	-
14	CLA	Z	834	-	-	5/15/91/115	-
14	CLA	Y	819	-	-	18/39/115/115	-
14	CLA	G	852	-	-	11/39/115/115	-
14	CLA	A	835	1	-	2/15/91/115	-
14	CLA	Z	820	-	-	10/33/109/115	-
16	SF4	C	101	3	-	-	0/6/5/5
16	SF4	N	101	3	-	-	0/6/5/5
18	LHG	Y	850	-	-	31/53/53/53	-
17	BCR	R	101	-	-	8/29/63/63	0/2/2/2
18	LHG	j	101	-	-	16/32/32/53	-
14	CLA	Y	831	1	-	6/21/97/115	-
14	CLA	Y	804	1,14	-	13/32/108/115	-
17	BCR	H	844	-	-	10/29/63/63	0/2/2/2
14	CLA	H	824	2	-	13/27/103/115	-
14	CLA	A	840	-	-	3/21/97/115	-
14	CLA	A	838	1	-	7/21/97/115	-
14	CLA	Y	829	-	-	13/39/115/115	-
14	CLA	Z	838	2	-	13/39/115/115	-
14	CLA	X	1701	12	-	5/15/91/115	-
14	CLA	A	833	1	-	11/39/115/115	-
14	CLA	Y	807	1	-	10/23/99/115	-
14	CLA	G	837	1	-	20/39/115/115	-
14	CLA	Z	821	2	-	9/15/91/115	-
14	CLA	B	809	2	-	17/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	Y	828	-	-	13/39/115/115	-
14	CLA	Y	812	-	-	8/27/103/115	-
18	LHG	A	852	-	-	29/53/53/53	-
14	CLA	A	815	1	-	9/21/97/115	-
14	CLA	H	809	2	-	14/39/115/115	-
14	CLA	h	204	10	-	18/39/115/115	-
14	CLA	B	828	2	-	9/39/115/115	-
14	CLA	H	827	2	-	14/39/115/115	-
14	CLA	Y	837	-	-	5/21/97/115	-
14	CLA	Z	839	2	-	2/15/91/115	-
17	BCR	Z	846	-	-	9/18/35/63	0/1/1/2
14	CLA	H	816	2	-	10/27/103/115	-
17	BCR	S	1104	-	-	9/29/63/63	0/2/2/2
14	CLA	H	835	-	-	6/15/91/115	-
14	CLA	G	808	1	-	18/39/115/115	-
14	CLA	B	816	-	-	8/39/115/115	-
14	CLA	A	826	-	-	16/39/115/115	-
14	CLA	G	833	-	-	16/39/115/115	-
14	CLA	J	102	8	-	13/27/103/115	-
14	CLA	A	837	1	-	20/39/115/115	-
14	CLA	Y	815	1	-	7/21/97/115	-
14	CLA	U	1003	10	-	12/39/115/115	-
17	BCR	A	850	-	-	6/29/63/63	0/2/2/2
17	BCR	Y	848	-	-	2/29/63/63	0/2/2/2
17	BCR	T	102	-	-	10/29/63/63	0/2/2/2
14	CLA	K	102	-	-	6/15/91/115	-
14	CLA	A	808	-	-	8/23/99/115	-
14	CLA	Z	805	-	-	4/26/102/115	-
15	PQN	B	841	-	-	9/23/43/43	0/2/2/2
17	BCR	Y	849	-	-	8/29/63/63	0/2/2/2
14	CLA	Z	801	-	-	17/39/115/115	-
14	CLA	G	830	1	-	13/39/115/115	-
14	CLA	Y	811	1,14	-	17/39/115/115	-
17	BCR	R	102	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B	812	2	-	21/39/115/115	-
14	CLA	H	821	2	-	6/15/91/115	-
14	CLA	G	839	-	-	5/21/97/115	-
14	CLA	H	806	-	-	16/39/115/115	-
17	BCR	B	850	-	-	9/29/63/63	0/2/2/2
14	CLA	B	810	2	-	12/27/103/115	-
14	CLA	Z	827	-	-	13/39/115/115	-
17	BCR	Y	853	-	-	6/29/63/63	0/2/2/2
14	CLA	G	821	-	-	17/39/115/115	-
14	CLA	Y	824	-	-	14/33/109/115	-
14	CLA	H	830	2	-	10/15/91/115	-
14	CLA	H	803	2	-	17/39/115/115	-
13	CL0	G	801	1	-	13/39/115/115	-
14	CLA	B	824	-	-	15/39/115/115	-
14	CLA	Z	823	-	-	10/27/103/115	-
17	BCR	V	101	-	-	6/29/63/63	0/2/2/2
14	CLA	U	1006	1	-	15/39/115/115	-
14	CLA	Z	816	2	-	4/15/91/115	-
14	CLA	B	826	-	-	14/39/115/115	-
17	BCR	U	1005	-	-	6/29/63/63	0/2/2/2
19	LMG	H	848	-	-	12/44/64/70	0/1/1/1
17	BCR	L	207	-	-	11/29/63/63	0/2/2/2
14	CLA	Z	828	2	-	19/39/115/115	-
14	CLA	Z	819	2	-	14/33/109/115	-
14	CLA	A	843	18	-	9/21/97/115	-
17	BCR	i	101	-	-	11/29/63/63	0/2/2/2
14	CLA	H	808	2	-	17/39/115/115	-
17	BCR	B	844	-	-	12/29/63/63	0/2/2/2
15	PQN	Z	842	-	-	8/23/43/43	0/2/2/2
14	CLA	Y	841	-	-	13/39/115/115	-
15	PQN	A	844	-	-	4/23/43/43	0/2/2/2
14	CLA	B	836	2	-	7/33/109/115	-
14	CLA	H	804	-	-	9/26/102/115	-
14	CLA	Y	826	-	-	10/33/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	G	827	1	-	16/39/115/115	-
14	CLA	A	841	1	-	16/39/115/115	-
14	CLA	G	834	1	-	7/27/103/115	-
14	CLA	H	851	18	-	13/21/97/115	-
14	CLA	G	853	-	-	4/15/91/115	-
14	CLA	Z	807	2	-	16/39/115/115	-
14	CLA	Y	818	1	-	14/39/115/115	-
14	CLA	G	820	1	-	12/33/109/115	-
17	BCR	A	851	-	-	11/29/63/63	0/2/2/2
14	CLA	B	813	2	-	19/39/115/115	-
14	CLA	G	823	-	-	6/21/97/115	-
15	PQN	Y	842	-	-	7/23/43/43	0/2/2/2
14	CLA	S	1102	8	-	7/15/91/115	-
17	BCR	A	846	-	-	10/29/63/63	0/2/2/2
17	BCR	Y	845	-	-	4/29/63/63	0/2/2/2
18	LHG	B	849	-	-	28/43/43/53	-
14	CLA	Z	802	-	-	18/39/115/115	-
14	CLA	B	814	-	-	2/15/91/115	-
19	LMG	Z	849	-	-	14/44/64/70	0/1/1/1
14	CLA	Z	836	-	-	6/15/91/115	-
14	CLA	G	819	-	-	19/39/115/115	-
14	CLA	g	101	-	-	4/9/81/115	-
17	BCR	B	845	-	-	4/18/35/63	0/1/1/2
14	CLA	U	1007	1	-	14/39/115/115	-
13	CL0	A	801	1	-	10/39/115/115	-
14	CLA	H	820	2	-	9/15/91/115	-
14	CLA	A	821	1	-	13/33/109/115	-
14	CLA	F	202	-	-	4/15/91/115	-
14	CLA	H	810	2	-	16/39/115/115	-
14	CLA	B	838	2	-	2/15/91/115	-
14	CLA	G	807	1	-	7/23/99/115	-
14	CLA	B	825	2	-	21/39/115/115	-
14	CLA	Y	830	1	-	11/39/115/115	-
16	SF4	C	102	3,21	-	-	0/6/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	807	1	-	22/39/115/115	-
14	CLA	Z	824	2	-	8/33/109/115	-
14	CLA	Y	803	1	-	15/39/115/115	-
15	PQN	H	841	-	-	5/23/43/43	0/2/2/2
17	BCR	U	1009	-	-	8/29/63/63	0/2/2/2
14	CLA	H	811	-	-	9/27/103/115	-
17	BCR	I	101	-	-	5/29/63/63	0/2/2/2
14	CLA	G	828	1	-	12/39/115/115	-
14	CLA	H	840	-	-	9/39/115/115	-
14	CLA	A	812	1,14	-	12/39/115/115	-
17	BCR	G	846	-	-	9/29/63/63	0/2/2/2
18	LHG	A	853	14	-	18/36/36/53	-
17	BCR	Z	847	-	-	10/29/63/63	0/2/2/2
14	CLA	Y	822	1	-	17/39/115/115	-
14	CLA	Z	810	2	-	13/39/115/115	-
14	CLA	H	833	2	-	6/15/91/115	-
16	SF4	Y	843	2,1	-	-	0/6/5/5
17	BCR	H	842	-	-	10/29/63/63	0/2/2/2
14	CLA	B	839	-	-	12/39/115/115	-
14	CLA	G	805	-	-	20/39/115/115	-
14	CLA	H	826	2	-	8/39/115/115	-
14	CLA	Z	803	-	-	15/39/115/115	-
14	CLA	B	822	-	-	13/33/109/115	-
14	CLA	H	828	-	-	7/39/115/115	-
17	BCR	H	846	-	-	14/29/63/63	0/2/2/2
14	CLA	G	825	-	-	10/39/115/115	-
14	CLA	Y	817	1	-	10/33/109/115	-
14	CLA	A	825	-	-	14/33/109/115	-
14	CLA	H	814	2	-	17/39/115/115	-
14	CLA	Z	806	2	-	12/39/115/115	-
14	CLA	Z	813	2	-	6/15/91/115	-
17	BCR	J	104	-	-	9/29/63/63	0/2/2/2
17	BCR	Y	846	-	-	18/29/63/63	0/2/2/2
14	CLA	B	837	2	-	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	j	102	12	-	6/15/91/115	-
17	BCR	Q	203	-	-	5/29/63/63	0/2/2/2
14	CLA	B	805	2	-	14/39/115/115	-
17	BCR	G	849	-	-	9/29/63/63	0/2/2/2
17	BCR	A	849	-	-	8/29/63/63	0/2/2/2
14	CLA	G	812	-	-	8/26/102/115	-
14	CLA	B	801	-	-	17/39/115/115	-
17	BCR	B	842	-	-	3/24/41/63	0/1/1/2
15	PQN	G	843	-	-	10/23/43/43	0/2/2/2
14	CLA	A	842	-	-	12/39/115/115	-
14	CLA	G	810	1	-	7/15/91/115	-
14	CLA	B	832	-	-	12/27/103/115	-
14	CLA	H	823	-	-	13/33/109/115	-
14	CLA	G	838	-	-	3/21/97/115	-
14	CLA	U	1002	10	-	21/39/115/115	-
17	BCR	H	850	-	-	8/29/63/63	0/2/2/2
14	CLA	f	102	-	-	14/27/103/115	-
14	CLA	H	834	-	-	5/15/91/115	-
14	CLA	Y	840	-	-	12/39/115/115	-
14	CLA	Z	837	-	-	12/33/109/115	-
16	SF4	a	101	3	-	-	0/6/5/5
14	CLA	A	809	1	-	20/39/115/115	-
14	CLA	G	802	-	-	15/39/115/115	-
17	BCR	h	207	-	-	10/29/63/63	0/2/2/2
14	CLA	h	201	1	-	10/39/115/115	-
14	CLA	A	829	-	-	11/39/115/115	-
14	CLA	G	824	-	-	17/33/109/115	-
17	BCR	e	101	-	-	18/29/63/63	0/2/2/2
14	CLA	Z	825	2	-	9/27/103/115	-
14	CLA	Z	832	2	-	6/15/91/115	-
14	CLA	G	816	-	-	8/21/97/115	-
17	BCR	M	101	-	-	11/29/63/63	0/2/2/2
17	BCR	Y	847	-	-	6/29/63/63	0/2/2/2
14	CLA	A	802	-	-	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	H	825	-	-	22/39/115/115	-
14	CLA	B	829	2	-	5/15/91/115	-

All (6522) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	G	801	CL0	MG-NA	9.08	2.27	2.06
13	A	801	CL0	MG-NA	9.06	2.27	2.06
13	Y	801	CL0	MG-NA	8.94	2.27	2.06
15	Y	842	PQN	C3-C2	8.77	1.50	1.35
17	H	843	BCR	C11-C10	-8.70	1.16	1.43
17	h	207	BCR	C11-C10	-8.63	1.16	1.43
17	Y	849	BCR	C11-C10	-8.54	1.16	1.43
17	S	1104	BCR	C11-C10	-8.48	1.16	1.43
17	Y	849	BCR	C8-C9	-8.48	1.27	1.46
17	U	1005	BCR	C11-C10	-8.48	1.16	1.43
17	d	203	BCR	C8-C9	-8.44	1.27	1.46
17	G	846	BCR	C8-C9	-8.41	1.27	1.46
17	B	842	BCR	C8-C9	-8.37	1.28	1.46
17	Q	201	BCR	C11-C10	-8.33	1.17	1.43
17	B	846	BCR	C8-C9	-8.31	1.28	1.46
17	B	842	BCR	C11-C10	-8.29	1.17	1.43
17	H	844	BCR	C11-C10	-8.27	1.17	1.43
17	Z	850	BCR	C11-C10	-8.27	1.17	1.43
17	L	207	BCR	C11-C10	-8.26	1.17	1.43
17	I	102	BCR	C8-C9	-8.24	1.28	1.46
17	G	846	BCR	C11-C10	-8.22	1.17	1.43
17	H	842	BCR	C11-C10	-8.22	1.17	1.43
17	R	102	BCR	C8-C9	-8.21	1.28	1.46
17	H	842	BCR	C20-C21	-8.21	1.17	1.43
17	J	104	BCR	C11-C10	-8.20	1.17	1.43
17	i	101	BCR	C11-C10	-8.20	1.17	1.43
17	S	1104	BCR	C8-C9	-8.18	1.28	1.46
17	B	850	BCR	C11-C10	-8.17	1.17	1.43
17	B	846	BCR	C11-C10	-8.17	1.17	1.43
17	H	850	BCR	C11-C10	-8.16	1.17	1.43
17	F	203	BCR	C8-C9	-8.14	1.28	1.46
17	H	844	BCR	C20-C21	-8.14	1.17	1.43
17	Y	853	BCR	C11-C10	-8.13	1.18	1.43
17	I	102	BCR	C11-C10	-8.09	1.18	1.43
14	H	821	CLA	MG-NA	8.09	2.25	2.06
17	M	101	BCR	C11-C10	-8.08	1.18	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	H	843	BCR	C8-C9	-8.07	1.28	1.46
17	Z	843	BCR	C11-C10	-8.05	1.18	1.43
17	G	845	BCR	C20-C21	-8.03	1.18	1.43
17	H	842	BCR	C8-C9	-8.02	1.28	1.46
17	Z	848	BCR	C8-C9	-8.00	1.28	1.46
17	Y	847	BCR	C11-C10	-8.00	1.18	1.43
17	Y	853	BCR	C8-C9	-7.98	1.28	1.46
17	H	850	BCR	C8-C9	-7.98	1.28	1.46
15	G	843	PQN	C3-C2	7.95	1.49	1.35
17	A	850	BCR	C11-C10	-7.95	1.18	1.43
17	F	203	BCR	C11-C10	-7.95	1.18	1.43
17	A	846	BCR	C11-C10	-7.92	1.18	1.43
17	F	201	BCR	C11-C10	-7.92	1.18	1.43
17	V	101	BCR	C8-C9	-7.92	1.29	1.46
15	A	844	PQN	C3-C2	7.91	1.49	1.35
17	I	102	BCR	C20-C21	-7.90	1.18	1.43
17	R	102	BCR	C20-C21	-7.89	1.18	1.43
17	Q	201	BCR	C8-C9	-7.88	1.29	1.46
14	G	836	CLA	MG-NA	7.88	2.25	2.06
17	S	1105	BCR	C11-C10	-7.88	1.18	1.43
17	I	101	BCR	C11-C10	-7.88	1.18	1.43
17	H	843	BCR	C20-C21	-7.88	1.18	1.43
17	Z	843	BCR	C8-C9	-7.86	1.29	1.46
14	H	835	CLA	MG-NA	7.86	2.24	2.06
15	Z	842	PQN	C3-C2	7.85	1.49	1.35
17	A	851	BCR	C11-C10	-7.85	1.18	1.43
17	H	844	BCR	C16-C17	-7.85	1.18	1.43
14	H	819	CLA	MG-NA	7.84	2.24	2.06
17	L	207	BCR	C8-C9	-7.84	1.29	1.46
17	i	101	BCR	C8-C9	-7.84	1.29	1.46
17	Z	843	BCR	C20-C21	-7.84	1.18	1.43
17	G	849	BCR	C8-C9	-7.84	1.29	1.46
14	G	814	CLA	MG-NA	7.84	2.24	2.06
17	U	1008	BCR	C20-C21	-7.83	1.18	1.43
14	A	815	CLA	MG-NA	7.82	2.24	2.06
17	F	201	BCR	C8-C9	-7.82	1.29	1.46
17	A	846	BCR	C8-C9	-7.81	1.29	1.46
17	Z	848	BCR	C11-C10	-7.80	1.19	1.43
17	L	207	BCR	C20-C21	-7.80	1.19	1.43
14	Z	824	CLA	MG-NA	7.80	2.24	2.06
14	G	813	CLA	MG-NA	7.79	2.24	2.06
17	Y	845	BCR	C11-C10	-7.79	1.19	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	829	CLA	MG-NA	7.79	2.24	2.06
17	Z	843	BCR	C16-C17	-7.78	1.19	1.43
17	J	103	BCR	C11-C10	-7.77	1.19	1.43
14	H	832	CLA	MG-NA	7.77	2.24	2.06
14	f	102	CLA	MG-NA	7.77	2.24	2.06
17	A	849	BCR	C11-C10	-7.76	1.19	1.43
17	J	104	BCR	C16-C17	-7.76	1.19	1.43
17	J	104	BCR	C8-C9	-7.76	1.29	1.46
14	j	102	CLA	MG-NA	7.75	2.24	2.06
15	B	841	PQN	C3-C2	7.75	1.49	1.35
17	J	104	BCR	C20-C21	-7.73	1.19	1.43
17	B	844	BCR	C8-C9	-7.73	1.29	1.46
17	S	1105	BCR	C20-C21	-7.73	1.19	1.43
14	L	202	CLA	MG-NA	7.72	2.24	2.06
17	S	1105	BCR	C16-C17	-7.72	1.19	1.43
14	A	821	CLA	MG-NA	7.72	2.24	2.06
14	A	808	CLA	MG-NA	7.72	2.24	2.06
17	Z	844	BCR	C20-C21	-7.71	1.19	1.43
14	Z	804	CLA	MG-NA	7.71	2.24	2.06
14	X	1701	CLA	MG-NA	7.71	2.24	2.06
14	G	817	CLA	MG-NA	7.70	2.24	2.06
14	A	824	CLA	MG-NA	7.70	2.24	2.06
17	Q	203	BCR	C8-C9	-7.70	1.29	1.46
14	Y	838	CLA	MG-NA	7.69	2.24	2.06
17	S	1105	BCR	C8-C9	-7.69	1.29	1.46
17	B	843	BCR	C11-C10	-7.69	1.19	1.43
17	H	842	BCR	C16-C17	-7.69	1.19	1.43
14	G	829	CLA	MG-NA	7.69	2.24	2.06
17	H	850	BCR	C20-C21	-7.69	1.19	1.43
14	Y	807	CLA	MG-NA	7.69	2.24	2.06
14	Y	812	CLA	MG-NA	7.68	2.24	2.06
17	V	101	BCR	C11-C10	-7.68	1.19	1.43
14	Z	809	CLA	MG-NA	7.68	2.24	2.06
15	H	841	PQN	C3-C2	7.68	1.49	1.35
14	H	823	CLA	MG-NA	7.67	2.24	2.06
14	B	820	CLA	MG-NA	7.67	2.24	2.06
14	W	1701	CLA	MG-NA	7.67	2.24	2.06
14	G	810	CLA	MG-NA	7.67	2.24	2.06
17	U	1008	BCR	C11-C10	-7.67	1.19	1.43
17	U	1005	BCR	C20-C21	-7.66	1.19	1.43
14	H	837	CLA	MG-NA	7.66	2.24	2.06
17	G	848	BCR	C11-C10	-7.66	1.19	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	822	CLA	MG-NA	7.66	2.24	2.06
14	A	809	CLA	MG-NA	7.66	2.24	2.06
17	T	102	BCR	C11-C10	-7.65	1.19	1.43
14	H	824	CLA	MG-NA	7.65	2.24	2.06
14	A	838	CLA	MG-NA	7.65	2.24	2.06
14	Y	829	CLA	MG-NA	7.64	2.24	2.06
17	G	847	BCR	C11-C10	-7.63	1.19	1.43
17	J	103	BCR	C8-C9	-7.63	1.29	1.46
14	Z	815	CLA	MG-NA	7.63	2.24	2.06
14	A	813	CLA	MG-NA	7.63	2.24	2.06
17	A	851	BCR	C20-C21	-7.63	1.19	1.43
14	B	816	CLA	MG-NA	7.63	2.24	2.06
17	B	850	BCR	C8-C9	-7.62	1.29	1.46
14	Y	823	CLA	MG-NA	7.62	2.24	2.06
17	h	207	BCR	C16-C17	-7.61	1.19	1.43
17	A	846	BCR	C20-C21	-7.61	1.19	1.43
14	A	814	CLA	MG-NA	7.60	2.24	2.06
14	Z	814	CLA	MG-NA	7.60	2.24	2.06
17	L	208	BCR	C20-C21	-7.60	1.19	1.43
14	G	824	CLA	MG-NA	7.60	2.24	2.06
17	A	846	BCR	C16-C17	-7.59	1.19	1.43
14	T	103	CLA	MG-NA	7.59	2.24	2.06
17	Y	845	BCR	C8-C9	-7.59	1.29	1.46
17	R	101	BCR	C11-C10	-7.59	1.19	1.43
17	Y	849	BCR	C20-C21	-7.59	1.19	1.43
14	J	102	CLA	MG-NA	7.59	2.24	2.06
17	A	848	BCR	C8-C9	-7.58	1.29	1.46
14	B	830	CLA	MG-NA	7.58	2.24	2.06
17	G	849	BCR	C20-C21	-7.57	1.19	1.43
17	H	846	BCR	C11-C10	-7.57	1.19	1.43
17	L	208	BCR	C16-C17	-7.56	1.19	1.43
14	H	813	CLA	MG-NA	7.56	2.24	2.06
17	A	849	BCR	C20-C21	-7.56	1.19	1.43
14	f	101	CLA	MG-NA	7.56	2.24	2.06
17	Y	846	BCR	C11-C10	-7.56	1.19	1.43
14	Y	830	CLA	MG-NA	7.55	2.24	2.06
17	G	846	BCR	C20-C21	-7.55	1.19	1.43
17	R	102	BCR	C11-C10	-7.55	1.19	1.43
17	G	845	BCR	C11-C10	-7.55	1.19	1.43
14	S	1102	CLA	MG-NA	7.53	2.24	2.06
14	G	823	CLA	MG-NA	7.53	2.24	2.06
14	A	820	CLA	MG-NA	7.53	2.24	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	826	CLA	MG-NA	7.53	2.24	2.06
17	Z	847	BCR	C11-C10	-7.53	1.19	1.43
17	Y	853	BCR	C16-C17	-7.53	1.19	1.43
14	B	838	CLA	MG-NA	7.53	2.24	2.06
17	H	843	BCR	C16-C17	-7.52	1.19	1.43
14	G	835	CLA	MG-NA	7.52	2.24	2.06
17	M	101	BCR	C8-C9	-7.52	1.29	1.46
14	G	825	CLA	MG-NA	7.52	2.24	2.06
17	I	101	BCR	C8-C9	-7.52	1.29	1.46
17	B	844	BCR	C11-C10	-7.52	1.19	1.43
14	G	827	CLA	MG-NA	7.51	2.24	2.06
14	A	804	CLA	MG-NA	7.51	2.24	2.06
14	Y	815	CLA	MG-NA	7.50	2.24	2.06
14	G	816	CLA	MG-NA	7.50	2.24	2.06
17	H	845	BCR	C20-C21	-7.50	1.19	1.43
14	B	817	CLA	MG-NA	7.50	2.24	2.06
14	Z	807	CLA	MG-NA	7.50	2.24	2.06
14	B	835	CLA	MG-NA	7.50	2.24	2.06
14	Z	813	CLA	MG-NA	7.50	2.24	2.06
17	e	101	BCR	C20-C21	-7.49	1.19	1.43
14	Y	806	CLA	MG-NA	7.49	2.24	2.06
14	d	202	CLA	MG-NA	7.49	2.24	2.06
17	h	202	BCR	C11-C10	-7.49	1.20	1.43
17	G	845	BCR	C8-C9	-7.48	1.29	1.46
14	B	814	CLA	MG-NA	7.48	2.24	2.06
17	Y	852	BCR	C11-C10	-7.48	1.20	1.43
14	K	102	CLA	MG-NA	7.47	2.24	2.06
17	A	849	BCR	C16-C17	-7.47	1.20	1.43
14	Y	803	CLA	MG-NA	7.47	2.24	2.06
17	f	103	BCR	C11-C10	-7.47	1.20	1.43
14	h	204	CLA	MG-NA	7.47	2.24	2.06
17	B	842	BCR	C16-C17	-7.47	1.20	1.43
17	G	849	BCR	C11-C10	-7.47	1.20	1.43
14	A	818	CLA	MG-NA	7.46	2.24	2.06
14	H	838	CLA	MG-NA	7.46	2.24	2.06
17	L	208	BCR	C11-C10	-7.46	1.20	1.43
14	Z	821	CLA	MG-NA	7.46	2.24	2.06
14	Y	839	CLA	MG-NA	7.45	2.24	2.06
14	K	101	CLA	MG-NA	7.45	2.24	2.06
17	Z	850	BCR	C16-C17	-7.44	1.20	1.43
17	Y	853	BCR	C20-C21	-7.44	1.20	1.43
17	B	843	BCR	C8-C9	-7.44	1.30	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	834	CLA	MG-NA	7.44	2.23	2.06
14	g	101	CLA	MG-NA	7.43	2.23	2.06
17	h	207	BCR	C20-C21	-7.43	1.20	1.43
14	Y	810	CLA	MG-NA	7.43	2.23	2.06
14	Z	825	CLA	MG-NA	7.43	2.23	2.06
17	Z	850	BCR	C8-C9	-7.42	1.30	1.46
17	f	103	BCR	C20-C21	-7.42	1.20	1.43
14	Y	817	CLA	MG-NA	7.42	2.23	2.06
17	B	847	BCR	C8-C9	-7.42	1.30	1.46
14	Y	827	CLA	MG-NA	7.41	2.23	2.06
17	d	203	BCR	C11-C10	-7.41	1.20	1.43
17	Y	852	BCR	C20-C21	-7.41	1.20	1.43
17	Y	852	BCR	C8-C9	-7.41	1.30	1.46
14	B	822	CLA	MG-NA	7.41	2.23	2.06
14	Q	202	CLA	MG-NA	7.41	2.23	2.06
14	Y	819	CLA	MG-NA	7.41	2.23	2.06
14	H	815	CLA	MG-NA	7.40	2.23	2.06
14	G	809	CLA	MG-NA	7.40	2.23	2.06
17	Z	844	BCR	C8-C9	-7.40	1.30	1.46
14	Y	816	CLA	MG-NA	7.39	2.23	2.06
14	U	1002	CLA	MG-NA	7.39	2.23	2.06
14	Y	811	CLA	MG-NA	7.39	2.23	2.06
17	Y	848	BCR	C20-C21	-7.39	1.20	1.43
17	Y	849	BCR	C16-C17	-7.39	1.20	1.43
17	Y	844	BCR	C8-C9	-7.39	1.30	1.46
17	Z	848	BCR	C20-C21	-7.39	1.20	1.43
14	B	836	CLA	MG-NA	7.39	2.23	2.06
14	Y	835	CLA	MG-NA	7.38	2.23	2.06
14	Z	818	CLA	MG-NA	7.38	2.23	2.06
14	B	834	CLA	MG-NA	7.38	2.23	2.06
17	e	101	BCR	C11-C10	-7.38	1.20	1.43
14	A	835	CLA	MG-NA	7.37	2.23	2.06
17	F	201	BCR	C16-C17	-7.37	1.20	1.43
14	G	820	CLA	MG-NA	7.37	2.23	2.06
17	Z	850	BCR	C20-C21	-7.37	1.20	1.43
17	R	102	BCR	C16-C17	-7.37	1.20	1.43
17	A	849	BCR	C8-C9	-7.37	1.30	1.46
17	Q	203	BCR	C11-C10	-7.37	1.20	1.43
17	B	842	BCR	C20-C21	-7.37	1.20	1.43
14	Y	814	CLA	MG-NA	7.36	2.23	2.06
14	Y	833	CLA	MG-NA	7.36	2.23	2.06
14	Y	825	CLA	MG-NA	7.36	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	H	844	BCR	C8-C9	-7.36	1.30	1.46
14	A	826	CLA	MG-NA	7.36	2.23	2.06
17	B	844	BCR	C20-C21	-7.36	1.20	1.43
14	B	802	CLA	MG-NA	7.35	2.23	2.06
17	I	102	BCR	C16-C17	-7.35	1.20	1.43
14	B	803	CLA	MG-NA	7.35	2.23	2.06
14	G	812	CLA	MG-NA	7.34	2.23	2.06
17	H	850	BCR	C16-C17	-7.34	1.20	1.43
14	U	1007	CLA	MG-NA	7.34	2.23	2.06
17	F	203	BCR	C20-C21	-7.33	1.20	1.43
17	U	1009	BCR	C20-C21	-7.33	1.20	1.43
17	Z	845	BCR	C11-C10	-7.33	1.20	1.43
14	A	822	CLA	MG-NA	7.33	2.23	2.06
17	A	848	BCR	C11-C10	-7.33	1.20	1.43
17	F	201	BCR	C20-C21	-7.32	1.20	1.43
17	G	847	BCR	C8-C9	-7.32	1.30	1.46
17	Z	847	BCR	C8-C9	-7.32	1.30	1.46
14	A	816	CLA	MG-NA	7.32	2.23	2.06
14	A	830	CLA	MG-NA	7.32	2.23	2.06
14	U	1006	CLA	MG-NA	7.31	2.23	2.06
17	Z	844	BCR	C16-C17	-7.31	1.20	1.43
17	U	1008	BCR	C8-C9	-7.31	1.30	1.46
14	G	808	CLA	MG-NA	7.31	2.23	2.06
14	G	807	CLA	MG-NA	7.30	2.23	2.06
14	G	815	CLA	MG-NA	7.29	2.23	2.06
14	A	836	CLA	MG-NA	7.29	2.23	2.06
14	H	805	CLA	MG-NA	7.29	2.23	2.06
17	Y	846	BCR	C20-C21	-7.29	1.20	1.43
14	Z	811	CLA	MG-NA	7.28	2.23	2.06
17	G	845	BCR	C16-C17	-7.28	1.20	1.43
14	B	823	CLA	MG-NA	7.28	2.23	2.06
14	A	837	CLA	MG-NA	7.28	2.23	2.06
14	Z	836	CLA	MG-NA	7.28	2.23	2.06
14	B	806	CLA	MG-NA	7.28	2.23	2.06
14	Z	841	CLA	MG-NA	7.27	2.23	2.06
14	H	812	CLA	MG-NA	7.27	2.23	2.06
17	B	847	BCR	C11-C10	-7.27	1.20	1.43
14	A	839	CLA	MG-NA	7.27	2.23	2.06
14	Y	836	CLA	MG-NA	7.27	2.23	2.06
17	G	847	BCR	C20-C21	-7.27	1.20	1.43
17	Z	844	BCR	C11-C10	-7.27	1.20	1.43
14	A	828	CLA	MG-NA	7.26	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	834	CLA	MG-NA	7.26	2.23	2.06
14	A	817	CLA	MG-NA	7.26	2.23	2.06
17	B	844	BCR	C16-C17	-7.25	1.20	1.43
14	T	101	CLA	MG-NA	7.25	2.23	2.06
14	A	805	CLA	MG-NA	7.25	2.23	2.06
17	I	101	BCR	C16-C17	-7.25	1.20	1.43
14	Y	837	CLA	MG-NA	7.25	2.23	2.06
17	Z	848	BCR	C16-C17	-7.24	1.20	1.43
14	B	839	CLA	MG-NA	7.24	2.23	2.06
14	Y	813	CLA	MG-NA	7.23	2.23	2.06
17	G	849	BCR	C16-C17	-7.23	1.20	1.43
14	g	102	CLA	MG-NA	7.23	2.23	2.06
17	Y	847	BCR	C16-C17	-7.23	1.20	1.43
17	J	103	BCR	C16-C17	-7.23	1.20	1.43
14	S	1101	CLA	MG-NA	7.22	2.23	2.06
14	Y	818	CLA	MG-NA	7.22	2.23	2.06
17	U	1005	BCR	C16-C17	-7.22	1.20	1.43
17	i	101	BCR	C16-C17	-7.22	1.20	1.43
17	A	850	BCR	C20-C21	-7.22	1.20	1.43
14	G	826	CLA	MG-NA	7.21	2.23	2.06
14	S	1103	CLA	MG-NA	7.21	2.23	2.06
17	B	845	BCR	C16-C17	-7.21	1.20	1.43
14	Z	834	CLA	MG-NA	7.21	2.23	2.06
17	Y	845	BCR	C20-C21	-7.21	1.20	1.43
17	Z	845	BCR	C20-C21	-7.21	1.20	1.43
14	G	832	CLA	MG-NA	7.20	2.23	2.06
17	H	846	BCR	C20-C21	-7.20	1.20	1.43
14	Z	826	CLA	MG-NA	7.20	2.23	2.06
14	J	101	CLA	MG-NA	7.20	2.23	2.06
17	Y	847	BCR	C8-C9	-7.20	1.30	1.46
14	H	806	CLA	MG-NA	7.20	2.23	2.06
14	B	810	CLA	MG-NA	7.19	2.23	2.06
14	Y	832	CLA	MG-NA	7.19	2.23	2.06
17	Z	845	BCR	C8-C9	-7.19	1.30	1.46
14	A	843	CLA	MG-NA	7.19	2.23	2.06
17	B	843	BCR	C16-C17	-7.19	1.20	1.43
17	Q	201	BCR	C16-C17	-7.18	1.20	1.43
14	G	839	CLA	MG-NA	7.18	2.23	2.06
17	Z	846	BCR	C20-C21	-7.18	1.20	1.43
17	S	1104	BCR	C16-C17	-7.18	1.20	1.43
17	f	103	BCR	C16-C17	-7.18	1.20	1.43
17	A	850	BCR	C8-C9	-7.18	1.30	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	811	CLA	MG-NA	7.17	2.23	2.06
14	Z	837	CLA	MG-NA	7.17	2.23	2.06
14	Z	828	CLA	MG-NA	7.17	2.23	2.06
14	A	807	CLA	MG-NA	7.16	2.23	2.06
14	H	816	CLA	MG-NA	7.16	2.23	2.06
14	Y	802	CLA	MG-NA	7.16	2.23	2.06
14	A	840	CLA	MG-NA	7.15	2.23	2.06
14	G	833	CLA	MG-NA	7.15	2.23	2.06
14	L	201	CLA	MG-NA	7.15	2.23	2.06
14	G	838	CLA	MG-NA	7.14	2.23	2.06
17	H	847	BCR	C11-C10	-7.14	1.21	1.43
14	B	827	CLA	MG-NA	7.13	2.23	2.06
17	H	847	BCR	C16-C17	-7.13	1.21	1.43
17	Y	848	BCR	C11-C10	-7.13	1.21	1.43
14	G	822	CLA	MG-NA	7.13	2.23	2.06
14	G	819	CLA	MG-NA	7.13	2.23	2.06
14	B	819	CLA	MG-NA	7.13	2.23	2.06
14	B	821	CLA	MG-NA	7.12	2.23	2.06
17	R	101	BCR	C20-C21	-7.12	1.21	1.43
17	G	846	BCR	C16-C17	-7.12	1.21	1.43
14	A	841	CLA	MG-NA	7.12	2.23	2.06
17	G	848	BCR	C16-C17	-7.12	1.21	1.43
14	L	204	CLA	MG-NA	7.12	2.23	2.06
17	A	847	BCR	C11-C10	-7.12	1.21	1.43
14	Z	840	CLA	MG-NA	7.11	2.23	2.06
17	B	843	BCR	C20-C21	-7.11	1.21	1.43
17	G	848	BCR	C8-C9	-7.11	1.30	1.46
14	B	825	CLA	MG-NA	7.10	2.23	2.06
17	H	847	BCR	C20-C21	-7.10	1.21	1.43
14	Z	817	CLA	MG-NA	7.10	2.23	2.06
14	B	811	CLA	MG-NA	7.10	2.23	2.06
17	Y	844	BCR	C11-C10	-7.10	1.21	1.43
17	A	848	BCR	C16-C17	-7.09	1.21	1.43
14	G	840	CLA	MG-NA	7.09	2.23	2.06
17	G	848	BCR	C20-C21	-7.09	1.21	1.43
14	H	830	CLA	MG-NA	7.08	2.23	2.06
14	A	810	CLA	MG-NA	7.08	2.23	2.06
14	H	851	CLA	MG-NA	7.08	2.23	2.06
14	H	814	CLA	MG-NA	7.08	2.23	2.06
14	Y	824	CLA	MG-NA	7.07	2.23	2.06
14	H	801	CLA	MG-NA	7.07	2.23	2.06
14	A	829	CLA	MG-NA	7.07	2.23	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	M	101	BCR	C16-C17	-7.07	1.21	1.43
17	Q	201	BCR	C20-C21	-7.07	1.21	1.43
14	Y	809	CLA	MG-NA	7.06	2.23	2.06
14	B	832	CLA	MG-NA	7.06	2.23	2.06
17	B	850	BCR	C20-C21	-7.06	1.21	1.43
14	G	834	CLA	MG-NA	7.06	2.23	2.06
14	Y	826	CLA	MG-NA	7.05	2.23	2.06
17	A	848	BCR	C20-C21	-7.05	1.21	1.43
14	Z	803	CLA	MG-NA	7.04	2.23	2.06
17	L	207	BCR	C16-C17	-7.04	1.21	1.43
14	H	808	CLA	MG-NA	7.04	2.23	2.06
14	H	828	CLA	MG-NA	7.04	2.23	2.06
17	A	851	BCR	C16-C17	-7.04	1.21	1.43
14	Y	822	CLA	MG-NA	7.04	2.23	2.06
17	h	207	BCR	C8-C9	-7.04	1.30	1.46
17	B	846	BCR	C16-C17	-7.03	1.21	1.43
17	J	103	BCR	C20-C21	-7.03	1.21	1.43
14	Z	831	CLA	MG-NA	7.03	2.23	2.06
17	A	847	BCR	C20-C21	-7.03	1.21	1.43
14	B	818	CLA	MG-NA	7.03	2.23	2.06
14	B	831	CLA	MG-NA	7.03	2.23	2.06
14	A	825	CLA	MG-NA	7.02	2.22	2.06
17	Z	847	BCR	C20-C21	-7.01	1.21	1.43
17	S	1104	BCR	C20-C21	-7.01	1.21	1.43
14	G	805	CLA	MG-NA	7.01	2.22	2.06
14	H	840	CLA	MG-NA	7.01	2.22	2.06
14	G	837	CLA	MG-NA	7.00	2.22	2.06
14	Z	802	CLA	MG-NA	7.00	2.22	2.06
14	H	802	CLA	MG-NA	7.00	2.22	2.06
14	Z	833	CLA	MG-NA	7.00	2.22	2.06
17	d	203	BCR	C20-C21	-7.00	1.21	1.43
14	Z	835	CLA	MG-NA	6.99	2.22	2.06
17	Y	844	BCR	C16-C17	-6.99	1.21	1.43
17	A	851	BCR	C8-C9	-6.99	1.31	1.46
14	Y	820	CLA	MG-NA	6.98	2.22	2.06
14	H	825	CLA	MG-NA	6.98	2.22	2.06
14	G	806	CLA	MG-NA	6.98	2.22	2.06
17	U	1005	BCR	C8-C9	-6.97	1.31	1.46
17	G	847	BCR	C16-C17	-6.97	1.21	1.43
14	A	823	CLA	MG-NA	6.97	2.22	2.06
17	A	850	BCR	C16-C17	-6.97	1.21	1.43
17	H	846	BCR	C8-C9	-6.97	1.31	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	Y	852	BCR	C16-C17	-6.97	1.21	1.43
17	H	845	BCR	C16-C17	-6.96	1.21	1.43
17	U	1009	BCR	C11-C10	-6.96	1.21	1.43
14	Z	812	CLA	MG-NA	6.96	2.22	2.06
14	G	818	CLA	MG-NA	6.96	2.22	2.06
17	T	102	BCR	C8-C9	-6.94	1.31	1.46
17	B	847	BCR	C16-C17	-6.94	1.21	1.43
14	G	804	CLA	MG-NA	6.94	2.22	2.06
14	A	832	CLA	MG-NA	6.94	2.22	2.06
14	A	831	CLA	MG-NA	6.93	2.22	2.06
17	Y	844	BCR	C20-C21	-6.93	1.21	1.43
17	Y	845	BCR	C16-C17	-6.93	1.21	1.43
14	H	809	CLA	MG-NA	6.93	2.22	2.06
14	B	829	CLA	MG-NA	6.93	2.22	2.06
14	h	201	CLA	MG-NA	6.93	2.22	2.06
14	Z	806	CLA	MG-NA	6.92	2.22	2.06
14	B	807	CLA	MG-NA	6.92	2.22	2.06
14	B	809	CLA	MG-NA	6.92	2.22	2.06
17	I	101	BCR	C20-C21	-6.92	1.21	1.43
14	B	808	CLA	MG-NA	6.91	2.22	2.06
14	B	837	CLA	MG-NA	6.91	2.22	2.06
14	B	833	CLA	MG-NA	6.91	2.22	2.06
14	Y	841	CLA	MG-NA	6.91	2.22	2.06
17	Y	847	BCR	C20-C21	-6.91	1.21	1.43
14	H	818	CLA	MG-NA	6.91	2.22	2.06
14	H	804	CLA	MG-NA	6.91	2.22	2.06
17	Z	847	BCR	C16-C17	-6.90	1.21	1.43
14	A	854	CLA	MG-NA	6.90	2.22	2.06
14	H	822	CLA	MG-NA	6.90	2.22	2.06
14	A	811	CLA	MG-NA	6.90	2.22	2.06
14	B	828	CLA	MG-NA	6.89	2.22	2.06
17	e	101	BCR	C8-C9	-6.89	1.31	1.46
17	H	846	BCR	C16-C17	-6.89	1.21	1.43
14	G	841	CLA	MG-NA	6.88	2.22	2.06
17	B	850	BCR	C16-C17	-6.88	1.21	1.43
17	h	202	BCR	C20-C21	-6.88	1.21	1.43
14	B	824	CLA	MG-NA	6.88	2.22	2.06
14	A	819	CLA	MG-NA	6.88	2.22	2.06
17	Y	846	BCR	C8-C9	-6.88	1.31	1.46
14	A	827	CLA	MG-NA	6.88	2.22	2.06
14	Z	839	CLA	MG-NA	6.87	2.22	2.06
17	Y	848	BCR	C16-C17	-6.87	1.21	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	836	CLA	MG-NA	6.87	2.22	2.06
14	Y	840	CLA	MG-NA	6.87	2.22	2.06
14	G	828	CLA	MG-NA	6.87	2.22	2.06
14	Y	831	CLA	MG-NA	6.86	2.22	2.06
14	Z	816	CLA	MG-NA	6.86	2.22	2.06
14	H	839	CLA	MG-NA	6.86	2.22	2.06
17	R	101	BCR	C8-C9	-6.85	1.31	1.46
14	A	812	CLA	MG-NA	6.85	2.22	2.06
17	Z	846	BCR	C16-C17	-6.84	1.22	1.43
17	B	845	BCR	C20-C21	-6.84	1.22	1.43
14	G	830	CLA	MG-NA	6.84	2.22	2.06
14	Z	823	CLA	MG-NA	6.83	2.22	2.06
14	Y	828	CLA	MG-NA	6.83	2.22	2.06
17	Z	845	BCR	C16-C17	-6.83	1.22	1.43
14	H	810	CLA	MG-NA	6.82	2.22	2.06
17	F	203	BCR	C16-C17	-6.82	1.22	1.43
14	Z	820	CLA	MG-NA	6.81	2.22	2.06
17	M	101	BCR	C20-C21	-6.80	1.22	1.43
14	A	803	CLA	MG-NA	6.80	2.22	2.06
14	H	820	CLA	MG-NA	6.79	2.22	2.06
14	Z	819	CLA	MG-NA	6.79	2.22	2.06
14	Z	810	CLA	MG-NA	6.79	2.22	2.06
17	d	203	BCR	C16-C17	-6.79	1.22	1.43
17	Q	203	BCR	C20-C21	-6.78	1.22	1.43
14	F	202	CLA	MG-NA	6.78	2.22	2.06
14	G	831	CLA	MG-NA	6.78	2.22	2.06
14	H	831	CLA	MG-NA	6.77	2.22	2.06
14	Y	805	CLA	MG-NA	6.77	2.22	2.06
17	i	101	BCR	C20-C21	-6.77	1.22	1.43
17	f	103	BCR	C8-C9	-6.77	1.31	1.46
17	V	101	BCR	C20-C21	-6.77	1.22	1.43
14	Y	804	CLA	MG-NA	6.77	2.22	2.06
14	Y	821	CLA	MG-NA	6.77	2.22	2.06
17	h	202	BCR	C8-C9	-6.76	1.31	1.46
14	G	802	CLA	MG-NA	6.76	2.22	2.06
14	A	833	CLA	MG-NA	6.74	2.22	2.06
14	G	842	CLA	MG-NA	6.73	2.22	2.06
17	V	101	BCR	C16-C17	-6.73	1.22	1.43
14	Z	832	CLA	MG-NA	6.72	2.22	2.06
17	e	101	BCR	C16-C17	-6.72	1.22	1.43
14	H	833	CLA	MG-NA	6.72	2.22	2.06
14	B	815	CLA	MG-NA	6.71	2.22	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	801	CLA	MG-NA	6.71	2.22	2.06
14	B	826	CLA	MG-NA	6.71	2.22	2.06
14	H	811	CLA	MG-NA	6.71	2.22	2.06
17	T	102	BCR	C20-C21	-6.70	1.22	1.43
14	B	812	CLA	MG-NA	6.69	2.22	2.06
14	B	801	CLA	MG-NA	6.69	2.22	2.06
17	U	1009	BCR	C8-C9	-6.69	1.31	1.46
14	H	829	CLA	MG-NA	6.69	2.22	2.06
17	A	847	BCR	C8-C9	-6.67	1.31	1.46
14	d	201	CLA	MG-NA	6.66	2.22	2.06
14	U	1004	CLA	MG-NA	6.66	2.22	2.06
14	H	803	CLA	MG-NA	6.66	2.22	2.06
14	h	205	CLA	MG-NA	6.65	2.22	2.06
14	H	829	CLA	O2D-CGD	6.65	1.49	1.33
14	Z	827	CLA	MG-NA	6.64	2.22	2.06
14	B	805	CLA	MG-NA	6.64	2.22	2.06
14	A	802	CLA	MG-NA	6.64	2.22	2.06
14	Z	808	CLA	MG-NA	6.63	2.22	2.06
14	G	852	CLA	MG-NA	6.61	2.22	2.06
14	H	817	CLA	MG-NA	6.60	2.21	2.06
17	U	1009	BCR	C16-C17	-6.59	1.22	1.43
17	T	102	BCR	C16-C17	-6.57	1.22	1.43
14	G	803	CLA	MG-NA	6.56	2.21	2.06
14	A	842	CLA	MG-NA	6.55	2.21	2.06
17	A	847	BCR	C16-C17	-6.55	1.22	1.43
14	Z	830	CLA	MG-NA	6.54	2.21	2.06
14	Y	808	CLA	MG-NA	6.53	2.21	2.06
17	U	1008	BCR	C16-C17	-6.52	1.23	1.43
14	H	814	CLA	O2A-C1	6.52	1.63	1.46
14	G	853	CLA	MG-NA	6.52	2.21	2.06
17	Y	848	BCR	C8-C9	-6.51	1.32	1.46
14	h	204	CLA	O2A-C1	6.50	1.63	1.46
17	Q	203	BCR	C16-C17	-6.49	1.23	1.43
17	B	847	BCR	C20-C21	-6.48	1.23	1.43
14	H	827	CLA	MG-NA	6.48	2.21	2.06
17	R	101	BCR	C16-C17	-6.47	1.23	1.43
14	A	834	CLA	MG-NA	6.47	2.21	2.06
17	B	846	BCR	C20-C21	-6.46	1.23	1.43
17	h	202	BCR	C16-C17	-6.44	1.23	1.43
17	L	208	BCR	C8-C9	-6.44	1.32	1.46
14	B	813	CLA	MG-NA	6.41	2.21	2.06
14	G	821	CLA	MG-NA	6.41	2.21	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	838	CLA	MG-NA	6.41	2.21	2.06
17	H	847	BCR	C8-C9	-6.40	1.32	1.46
14	Z	805	CLA	MG-NA	6.40	2.21	2.06
17	Y	846	BCR	C16-C17	-6.39	1.23	1.43
14	H	807	CLA	MG-NA	6.37	2.21	2.06
14	G	833	CLA	O2A-C1	6.35	1.63	1.46
14	H	810	CLA	O2D-CGD	6.25	1.48	1.33
14	G	808	CLA	CHC-C1C	6.20	1.50	1.38
14	Y	818	CLA	O2A-C1	6.20	1.62	1.46
14	L	206	CLA	MG-NA	6.18	2.21	2.06
14	H	824	CLA	O2A-C1	6.18	1.62	1.46
14	Y	839	CLA	O2A-C1	6.16	1.62	1.46
14	B	807	CLA	O2A-C1	6.16	1.62	1.46
14	B	840	CLA	MG-NA	6.16	2.20	2.06
14	B	812	CLA	O2D-CGD	6.12	1.48	1.33
14	U	1003	CLA	MG-NA	6.12	2.20	2.06
14	A	806	CLA	MG-NA	6.08	2.20	2.06
14	L	205	CLA	MG-NA	6.07	2.20	2.06
14	B	804	CLA	MG-NA	6.04	2.20	2.06
14	h	206	CLA	O2A-C1	6.01	1.62	1.46
14	Z	825	CLA	O2A-C1	6.01	1.62	1.46
14	H	840	CLA	O2A-C1	5.98	1.62	1.46
14	G	804	CLA	O2A-C1	5.96	1.62	1.46
14	H	816	CLA	O2A-C1	5.96	1.62	1.46
14	A	841	CLA	O2A-C1	5.95	1.62	1.46
14	Z	815	CLA	O2A-C1	5.94	1.62	1.46
14	A	854	CLA	O2A-C1	5.93	1.62	1.46
14	B	811	CLA	O2A-C1	5.92	1.62	1.46
14	H	826	CLA	O2D-CGD	5.92	1.47	1.33
14	A	819	CLA	O2A-C1	5.92	1.62	1.46
14	Y	835	CLA	O2A-C1	5.90	1.62	1.46
14	A	809	CLA	CHC-C1C	5.90	1.50	1.38
14	G	811	CLA	O2A-C1	5.90	1.62	1.46
14	B	838	CLA	CHC-C1C	5.89	1.50	1.38
14	h	206	CLA	MG-NA	5.88	2.20	2.06
14	A	840	CLA	O2A-C1	5.88	1.62	1.46
14	Y	824	CLA	O2D-CGD	5.88	1.47	1.33
14	H	837	CLA	CHC-C1C	5.88	1.50	1.38
14	Z	839	CLA	O2D-CGD	5.86	1.47	1.33
14	A	836	CLA	O2A-C1	5.85	1.61	1.46
14	H	813	CLA	O2D-CGD	5.84	1.47	1.33
14	B	813	CLA	O2A-C1	5.84	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	851	CLA	O2A-C1	5.83	1.61	1.46
14	H	821	CLA	CHD-C1D	5.82	1.49	1.38
14	G	821	CLA	CHC-C1C	5.80	1.50	1.38
14	Y	814	CLA	O2A-C1	5.80	1.61	1.46
14	B	818	CLA	O2A-C1	5.78	1.61	1.46
14	Y	823	CLA	O2A-C1	5.78	1.61	1.46
14	Z	829	CLA	O2A-C1	5.77	1.61	1.46
14	Y	824	CLA	CHC-C1C	5.77	1.50	1.38
14	A	802	CLA	O2A-C1	5.76	1.61	1.46
14	f	102	CLA	O2A-C1	5.76	1.61	1.46
14	G	827	CLA	O2D-CGD	5.75	1.47	1.33
14	A	815	CLA	CHC-C1C	5.75	1.50	1.38
14	A	810	CLA	O2A-C1	5.75	1.61	1.46
14	A	837	CLA	CHC-C1C	5.74	1.50	1.38
14	H	802	CLA	O2A-C1	5.74	1.61	1.46
14	Z	818	CLA	O2A-C1	5.74	1.61	1.46
14	Y	813	CLA	O2A-C1	5.73	1.61	1.46
14	J	101	CLA	O2D-CGD	5.71	1.47	1.33
15	Z	842	PQN	C10-C5	5.70	1.50	1.40
18	Y	851	LHG	O7-C7	5.70	1.47	1.35
14	A	824	CLA	O2A-C1	5.70	1.61	1.46
14	A	820	CLA	O2A-C1	5.70	1.61	1.46
14	Z	802	CLA	O2A-C1	5.70	1.61	1.46
14	B	826	CLA	O2A-C1	5.69	1.61	1.46
14	G	821	CLA	O2D-CGD	5.68	1.47	1.33
14	B	809	CLA	O2A-C1	5.68	1.61	1.46
14	Z	811	CLA	O2D-CGD	5.67	1.47	1.33
14	G	815	CLA	O2A-C1	5.67	1.61	1.46
14	Y	811	CLA	O2A-C1	5.67	1.61	1.46
14	G	802	CLA	O2A-C1	5.67	1.61	1.46
14	B	828	CLA	O2D-CGD	5.66	1.47	1.33
14	G	809	CLA	CHC-C1C	5.66	1.49	1.38
14	G	839	CLA	O2D-CGD	5.66	1.47	1.33
14	Y	817	CLA	CHC-C1C	5.65	1.49	1.38
14	G	840	CLA	O2D-CGD	5.65	1.47	1.33
14	Z	840	CLA	O2D-CGD	5.65	1.47	1.33
14	Z	822	CLA	O2D-CGD	5.65	1.47	1.33
14	G	813	CLA	O2D-CGD	5.65	1.47	1.33
14	Y	828	CLA	CHC-C1C	5.64	1.49	1.38
14	J	102	CLA	O2A-C1	5.64	1.61	1.46
14	Z	806	CLA	O2D-CGD	5.64	1.47	1.33
14	G	828	CLA	O2D-CGD	5.63	1.47	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	840	CLA	O2D-CGD	5.63	1.47	1.33
14	Z	812	CLA	O2D-CGD	5.63	1.47	1.33
14	Z	811	CLA	O2A-C1	5.62	1.61	1.46
14	G	838	CLA	O2D-CGD	5.62	1.47	1.33
14	G	828	CLA	O2A-C1	5.62	1.61	1.46
14	G	824	CLA	O2D-CGD	5.62	1.47	1.33
14	S	1103	CLA	O2A-C1	5.61	1.61	1.46
14	Z	806	CLA	O2A-C1	5.61	1.61	1.46
14	A	815	CLA	O2A-C1	5.61	1.61	1.46
14	G	802	CLA	O2D-CGD	5.61	1.47	1.33
14	Y	806	CLA	O2A-C1	5.60	1.61	1.46
14	A	817	CLA	O2A-C1	5.59	1.61	1.46
14	Y	803	CLA	O2A-C1	5.59	1.61	1.46
14	L	205	CLA	O2A-C1	5.59	1.61	1.46
14	H	830	CLA	CHC-C1C	5.59	1.49	1.38
14	A	822	CLA	O2A-C1	5.59	1.61	1.46
14	G	809	CLA	O2A-C1	5.57	1.61	1.46
14	G	852	CLA	O2A-C1	5.57	1.61	1.46
14	G	807	CLA	O2A-C1	5.57	1.61	1.46
14	Z	812	CLA	O2A-C1	5.57	1.61	1.46
14	h	205	CLA	O2A-C1	5.57	1.61	1.46
14	G	821	CLA	O2A-C1	5.57	1.61	1.46
14	H	811	CLA	O2A-C1	5.57	1.61	1.46
14	Y	830	CLA	O2A-C1	5.57	1.61	1.46
14	B	824	CLA	O2A-C1	5.57	1.61	1.46
14	G	817	CLA	O2A-C1	5.56	1.61	1.46
14	A	834	CLA	O2A-C1	5.56	1.61	1.46
14	B	809	CLA	O2D-CGD	5.55	1.46	1.33
14	Y	802	CLA	O2D-CGD	5.55	1.46	1.33
14	Y	822	CLA	O2A-C1	5.55	1.61	1.46
14	Z	838	CLA	O2D-CGD	5.55	1.46	1.33
14	g	102	CLA	CHC-C1C	5.55	1.49	1.38
14	H	829	CLA	O2A-C1	5.55	1.61	1.46
14	G	838	CLA	O2A-C1	5.54	1.61	1.46
14	G	808	CLA	O2D-CGD	5.54	1.46	1.33
14	Y	823	CLA	CHC-C1C	5.53	1.49	1.38
14	H	804	CLA	O2A-C1	5.53	1.61	1.46
14	Z	823	CLA	O2D-CGD	5.53	1.46	1.33
14	H	835	CLA	CHC-C1C	5.52	1.49	1.38
14	B	837	CLA	O2A-C1	5.52	1.61	1.46
14	A	843	CLA	O2A-C1	5.52	1.61	1.46
14	H	825	CLA	O2A-C1	5.52	1.61	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	811	CLA	O2D-CGD	5.52	1.46	1.33
14	B	834	CLA	CHC-C1C	5.52	1.49	1.38
14	G	806	CLA	O2A-C1	5.51	1.61	1.46
14	Z	840	CLA	O2A-C1	5.51	1.61	1.46
14	A	835	CLA	CHC-C1C	5.51	1.49	1.38
14	H	816	CLA	O2D-CGD	5.51	1.46	1.33
14	G	822	CLA	O2A-C1	5.51	1.61	1.46
14	Y	838	CLA	CHD-C1D	5.50	1.49	1.38
14	G	818	CLA	O2A-C1	5.50	1.60	1.46
14	Z	821	CLA	O2D-CGD	5.50	1.46	1.33
14	Y	840	CLA	O2A-C1	5.50	1.60	1.46
14	Y	837	CLA	O2D-CGD	5.50	1.46	1.33
14	B	817	CLA	O2A-C1	5.50	1.60	1.46
14	Y	820	CLA	O2D-CGD	5.49	1.46	1.33
14	G	823	CLA	O2A-C1	5.49	1.60	1.46
14	U	1002	CLA	O2A-C1	5.49	1.60	1.46
14	A	804	CLA	O2A-C1	5.49	1.60	1.46
14	Y	810	CLA	CHC-C1C	5.48	1.49	1.38
14	Y	817	CLA	O2A-C1	5.48	1.60	1.46
14	G	836	CLA	CHC-C1C	5.48	1.49	1.38
14	H	825	CLA	O2D-CGD	5.48	1.46	1.33
14	B	827	CLA	CHC-C1C	5.47	1.49	1.38
14	G	836	CLA	O2A-C1	5.47	1.60	1.46
14	B	803	CLA	O2A-C1	5.47	1.60	1.46
14	A	825	CLA	O2A-C1	5.47	1.60	1.46
14	Z	837	CLA	CHC-C1C	5.47	1.49	1.38
14	G	831	CLA	O2A-C1	5.47	1.60	1.46
14	U	1006	CLA	O2D-CGD	5.46	1.46	1.33
14	Y	804	CLA	O2D-CGD	5.46	1.46	1.33
14	Y	804	CLA	O2A-C1	5.46	1.60	1.46
14	Z	819	CLA	O2A-C1	5.46	1.60	1.46
14	Z	825	CLA	O2D-CGD	5.46	1.46	1.33
14	Y	815	CLA	O2A-C1	5.46	1.60	1.46
14	G	819	CLA	O2A-C1	5.46	1.60	1.46
14	Y	817	CLA	O2D-CGD	5.46	1.46	1.33
14	B	839	CLA	CHC-C1C	5.45	1.49	1.38
14	Z	827	CLA	O2D-CGD	5.45	1.46	1.33
14	S	1103	CLA	O2D-CGD	5.44	1.46	1.33
14	B	815	CLA	O2A-C1	5.44	1.60	1.46
14	B	813	CLA	O2D-CGD	5.44	1.46	1.33
14	B	836	CLA	O2D-CGD	5.44	1.46	1.33
14	U	1007	CLA	O2D-CGD	5.44	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	804	CLA	CHD-C1D	5.44	1.49	1.38
13	G	801	CL0	O2A-C1	5.44	1.60	1.46
14	Y	838	CLA	O2A-C1	5.44	1.60	1.46
14	Z	835	CLA	CHC-C1C	5.43	1.49	1.38
14	Y	819	CLA	O2A-C1	5.43	1.60	1.46
14	A	816	CLA	CHC-C1C	5.43	1.49	1.38
14	J	102	CLA	O2D-CGD	5.43	1.46	1.33
14	G	820	CLA	O2A-C1	5.43	1.60	1.46
14	A	814	CLA	O2D-CGD	5.43	1.46	1.33
14	Z	820	CLA	O2A-C1	5.43	1.60	1.46
14	g	102	CLA	O2D-CGD	5.43	1.46	1.33
14	H	805	CLA	O2D-CGD	5.42	1.46	1.33
14	H	803	CLA	O2D-CGD	5.42	1.46	1.33
14	A	825	CLA	O2D-CGD	5.42	1.46	1.33
14	H	836	CLA	O2D-CGD	5.41	1.46	1.33
14	G	826	CLA	O2D-CGD	5.41	1.46	1.33
14	G	839	CLA	CHD-C1D	5.41	1.49	1.38
14	Y	827	CLA	O2A-C1	5.41	1.60	1.46
14	Z	817	CLA	O2A-C1	5.41	1.60	1.46
14	H	810	CLA	O2A-C1	5.41	1.60	1.46
14	H	811	CLA	CHC-C1C	5.41	1.49	1.38
15	H	841	PQN	C10-C5	5.41	1.49	1.40
14	A	808	CLA	O2A-C1	5.40	1.60	1.46
14	G	842	CLA	O2A-C1	5.40	1.60	1.46
14	Y	829	CLA	O2A-C1	5.40	1.60	1.46
14	B	811	CLA	CHD-C1D	5.40	1.49	1.38
14	G	824	CLA	O2A-C1	5.40	1.60	1.46
14	Y	811	CLA	CHC-C1C	5.40	1.49	1.38
14	A	826	CLA	O2A-C1	5.40	1.60	1.46
14	U	1006	CLA	O2A-C1	5.40	1.60	1.46
14	J	101	CLA	CHC-C1C	5.40	1.49	1.38
14	U	1003	CLA	O2D-CGD	5.40	1.46	1.33
14	A	824	CLA	O2D-CGD	5.40	1.46	1.33
14	B	827	CLA	O2A-C1	5.40	1.60	1.46
14	Z	835	CLA	CHD-C1D	5.40	1.49	1.38
14	Z	809	CLA	O2A-C1	5.39	1.60	1.46
14	B	834	CLA	O2D-CGD	5.39	1.46	1.33
14	B	838	CLA	CHD-C1D	5.39	1.48	1.38
14	Y	811	CLA	O2D-CGD	5.39	1.46	1.33
14	H	804	CLA	O2D-CGD	5.38	1.46	1.33
14	H	812	CLA	O2D-CGD	5.38	1.46	1.33
14	A	818	CLA	O2A-C1	5.38	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	813	CLA	O2D-CGD	5.38	1.46	1.33
14	Z	834	CLA	O2D-CGD	5.38	1.46	1.33
14	G	817	CLA	CHC-C1C	5.38	1.49	1.38
14	G	813	CLA	O2A-C1	5.38	1.60	1.46
14	A	816	CLA	O2A-C1	5.37	1.60	1.46
13	Y	801	CL0	O2A-C1	5.37	1.60	1.46
14	f	101	CLA	CHC-C1C	5.37	1.49	1.38
14	B	805	CLA	O2A-C1	5.37	1.60	1.46
14	H	837	CLA	O2A-C1	5.37	1.60	1.46
14	B	836	CLA	O2A-C1	5.37	1.60	1.46
14	Y	820	CLA	O2A-C1	5.37	1.60	1.46
14	B	814	CLA	CHC-C1C	5.36	1.49	1.38
17	H	843	BCR	C10-C9	-5.36	1.23	1.35
14	A	817	CLA	O2D-CGD	5.36	1.46	1.33
14	L	206	CLA	O2A-C1	5.36	1.60	1.46
14	Z	807	CLA	O2A-C1	5.36	1.60	1.46
14	Z	803	CLA	O2D-CGD	5.36	1.46	1.33
14	L	202	CLA	O2D-CGD	5.36	1.46	1.33
14	A	836	CLA	O2D-CGD	5.36	1.46	1.33
14	B	806	CLA	O2A-C1	5.35	1.60	1.46
14	G	830	CLA	O2A-C1	5.35	1.60	1.46
14	G	810	CLA	O2D-CGD	5.35	1.46	1.33
14	A	838	CLA	O2D-CGD	5.35	1.46	1.33
14	G	814	CLA	O2A-C1	5.35	1.60	1.46
14	Y	815	CLA	CHC-C1C	5.35	1.49	1.38
14	Z	819	CLA	CHD-C1D	5.35	1.48	1.38
14	H	815	CLA	O2D-CGD	5.35	1.46	1.33
14	A	828	CLA	O2A-C1	5.35	1.60	1.46
14	B	822	CLA	O2D-CGD	5.35	1.46	1.33
14	G	836	CLA	CHD-C1D	5.34	1.48	1.38
14	L	205	CLA	CHC-C1C	5.34	1.49	1.38
14	H	811	CLA	O2D-CGD	5.34	1.46	1.33
14	G	835	CLA	O2D-CGD	5.34	1.46	1.33
14	d	202	CLA	O2D-CGD	5.34	1.46	1.33
14	G	824	CLA	CHC-C1C	5.33	1.49	1.38
14	H	851	CLA	O2D-CGD	5.33	1.46	1.33
14	Y	816	CLA	O2A-C1	5.33	1.60	1.46
14	Y	825	CLA	O2A-C1	5.33	1.60	1.46
14	A	812	CLA	O2A-C1	5.33	1.60	1.46
14	G	816	CLA	O2D-CGD	5.33	1.46	1.33
14	H	832	CLA	O2A-C1	5.33	1.60	1.46
14	Y	834	CLA	CHC-C1C	5.33	1.49	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
13	A	801	CL0	O2A-C1	5.33	1.60	1.46
14	A	821	CLA	O2D-CGD	5.33	1.46	1.33
14	A	833	CLA	O2A-C1	5.33	1.60	1.46
14	B	822	CLA	O2A-C1	5.32	1.60	1.46
14	H	805	CLA	O2A-C1	5.32	1.60	1.46
14	H	818	CLA	O2D-CGD	5.32	1.46	1.33
14	L	204	CLA	O2D-CGD	5.32	1.46	1.33
14	A	825	CLA	CHC-C1C	5.32	1.49	1.38
14	A	830	CLA	O2D-CGD	5.32	1.46	1.33
14	H	820	CLA	O2D-CGD	5.32	1.46	1.33
14	L	204	CLA	O2A-C1	5.32	1.60	1.46
14	Y	827	CLA	CHC-C1C	5.32	1.49	1.38
14	H	840	CLA	O2D-CGD	5.32	1.46	1.33
14	H	806	CLA	CHD-C1D	5.31	1.48	1.38
14	H	819	CLA	O2A-C1	5.31	1.60	1.46
14	A	804	CLA	O2D-CGD	5.31	1.46	1.33
14	T	101	CLA	CHC-C1C	5.31	1.49	1.38
14	A	839	CLA	CHC-C1C	5.31	1.49	1.38
14	U	1007	CLA	CHC-C1C	5.31	1.49	1.38
14	Y	821	CLA	CHC-C1C	5.31	1.49	1.38
14	B	820	CLA	O2D-CGD	5.30	1.46	1.33
14	G	839	CLA	O2A-C1	5.30	1.60	1.46
14	Z	823	CLA	O2A-C1	5.30	1.60	1.46
14	B	821	CLA	O2A-C1	5.30	1.60	1.46
14	Y	820	CLA	CHC-C1C	5.30	1.49	1.38
14	Z	828	CLA	O2A-C1	5.30	1.60	1.46
14	H	831	CLA	O2D-CGD	5.29	1.46	1.33
14	H	824	CLA	O2D-CGD	5.29	1.46	1.33
14	G	830	CLA	O2D-CGD	5.29	1.46	1.33
14	B	823	CLA	O2A-C1	5.29	1.60	1.46
14	B	816	CLA	O2D-CGD	5.29	1.46	1.33
14	A	813	CLA	O2A-C1	5.29	1.60	1.46
14	H	804	CLA	CHC-C1C	5.28	1.49	1.38
14	A	818	CLA	CHC-C1C	5.28	1.49	1.38
14	f	102	CLA	O2D-CGD	5.28	1.46	1.33
14	B	801	CLA	O2D-CGD	5.28	1.46	1.33
14	H	837	CLA	O2D-CGD	5.28	1.46	1.33
17	S	1104	BCR	C10-C9	-5.28	1.23	1.35
14	A	837	CLA	O2A-C1	5.28	1.60	1.46
14	H	837	CLA	CHD-C1D	5.28	1.48	1.38
14	Z	826	CLA	O2A-C1	5.27	1.60	1.46
14	H	808	CLA	O2D-CGD	5.27	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	CHC-C1C	5.27	1.49	1.38
14	h	204	CLA	CHC-C1C	5.27	1.49	1.38
14	G	816	CLA	O2A-C1	5.27	1.60	1.46
14	Y	814	CLA	CHC-C1C	5.27	1.49	1.38
14	Z	828	CLA	O2D-CGD	5.27	1.46	1.33
14	H	839	CLA	O2A-C1	5.27	1.60	1.46
14	Z	821	CLA	CHC-C1C	5.27	1.49	1.38
14	H	815	CLA	CHC-C1C	5.27	1.49	1.38
14	B	802	CLA	O2A-C1	5.27	1.60	1.46
14	H	823	CLA	CHD-C1D	5.27	1.48	1.38
14	B	822	CLA	CHC-C1C	5.26	1.49	1.38
14	H	835	CLA	O2D-CGD	5.26	1.46	1.33
14	H	823	CLA	O2D-CGD	5.26	1.46	1.33
14	A	822	CLA	CHC-C1C	5.26	1.49	1.38
14	Z	824	CLA	O2D-CGD	5.26	1.46	1.33
14	A	823	CLA	O2A-C1	5.26	1.60	1.46
14	Y	828	CLA	O2A-C1	5.26	1.60	1.46
13	G	801	CL0	O2D-CGD	5.25	1.46	1.33
14	G	839	CLA	CHC-C1C	5.25	1.49	1.38
14	X	1701	CLA	CHC-C1C	5.25	1.49	1.38
14	G	815	CLA	O2D-CGD	5.25	1.46	1.33
14	A	836	CLA	CHC-C1C	5.25	1.49	1.38
14	B	803	CLA	O2D-CGD	5.25	1.46	1.33
14	Y	831	CLA	O2D-CGD	5.25	1.46	1.33
14	W	1701	CLA	O2D-CGD	5.25	1.46	1.33
14	Y	829	CLA	CHD-C1D	5.24	1.48	1.38
14	Y	833	CLA	O2D-CGD	5.24	1.46	1.33
14	Q	202	CLA	O2D-CGD	5.24	1.46	1.33
14	B	815	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	835	CLA	CHC-C1C	5.23	1.49	1.38
14	G	832	CLA	O2A-C1	5.23	1.60	1.46
14	Y	823	CLA	O2D-CGD	5.23	1.46	1.33
14	Z	818	CLA	O2D-CGD	5.23	1.46	1.33
14	Y	807	CLA	O2A-C1	5.23	1.60	1.46
14	A	820	CLA	CHC-C1C	5.23	1.49	1.38
14	A	833	CLA	O2D-CGD	5.23	1.46	1.33
14	G	828	CLA	CHC-C1C	5.23	1.49	1.38
14	S	1102	CLA	O2D-CGD	5.22	1.46	1.33
15	B	841	PQN	C10-C5	5.22	1.49	1.40
14	A	834	CLA	CHC-C1C	5.22	1.48	1.38
14	B	828	CLA	O2A-C1	5.22	1.60	1.46
14	H	828	CLA	O2A-C1	5.22	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	101	CLA	CHC-C1C	5.22	1.48	1.38
14	B	831	CLA	O2A-C1	5.22	1.60	1.46
14	G	852	CLA	O2D-CGD	5.22	1.46	1.33
14	Z	814	CLA	O2A-C1	5.22	1.60	1.46
14	G	838	CLA	CHD-C1D	5.21	1.48	1.38
14	d	202	CLA	CHC-C1C	5.21	1.48	1.38
14	Z	816	CLA	O2D-CGD	5.21	1.46	1.33
14	G	808	CLA	O2A-C1	5.21	1.60	1.46
14	H	817	CLA	O2D-CGD	5.21	1.46	1.33
14	Z	828	CLA	CHD-C1D	5.21	1.48	1.38
14	T	103	CLA	O2D-CGD	5.20	1.46	1.33
14	G	812	CLA	CHC-C1C	5.20	1.48	1.38
14	K	102	CLA	O2D-CGD	5.20	1.46	1.33
14	H	807	CLA	O2A-C1	5.20	1.60	1.46
14	G	829	CLA	O2D-CGD	5.20	1.46	1.33
14	Z	814	CLA	O2D-CGD	5.20	1.46	1.33
14	G	853	CLA	O2D-CGD	5.20	1.46	1.33
14	Z	804	CLA	O2D-CGD	5.20	1.46	1.33
14	G	814	CLA	CHC-C1C	5.20	1.48	1.38
14	G	840	CLA	CHC-C1C	5.20	1.48	1.38
14	Z	808	CLA	O2D-CGD	5.20	1.46	1.33
14	h	206	CLA	OBD-CAD	5.19	1.31	1.22
14	Y	808	CLA	O2A-C1	5.19	1.60	1.46
14	L	202	CLA	O2A-C1	5.19	1.60	1.46
14	H	807	CLA	CHC-C1C	5.19	1.48	1.38
14	f	101	CLA	O2D-CGD	5.19	1.46	1.33
14	B	827	CLA	O2D-CGD	5.19	1.46	1.33
14	Y	833	CLA	O2A-C1	5.18	1.60	1.46
14	G	807	CLA	CHC-C1C	5.18	1.48	1.38
14	B	833	CLA	O2D-CGD	5.18	1.46	1.33
14	H	834	CLA	O2D-CGD	5.18	1.46	1.33
14	H	823	CLA	O2A-C1	5.18	1.60	1.46
14	A	839	CLA	O2A-C1	5.18	1.60	1.46
14	A	828	CLA	CHC-C1C	5.18	1.48	1.38
14	Z	823	CLA	CHD-C1D	5.18	1.48	1.38
14	A	834	CLA	O2D-CGD	5.18	1.46	1.33
14	G	818	CLA	O2D-CGD	5.18	1.46	1.33
14	A	810	CLA	CHC-C1C	5.18	1.48	1.38
14	Y	807	CLA	CHC-C1C	5.18	1.48	1.38
14	A	807	CLA	O2A-C1	5.18	1.60	1.46
14	L	204	CLA	CHC-C1C	5.18	1.48	1.38
14	G	830	CLA	CHD-C1D	5.17	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	835	CLA	O2D-CGD	5.17	1.45	1.33
14	Z	836	CLA	O2D-CGD	5.17	1.45	1.33
14	H	838	CLA	O2D-CGD	5.17	1.45	1.33
14	Y	828	CLA	O2D-CGD	5.17	1.45	1.33
14	H	817	CLA	O2A-C1	5.17	1.60	1.46
14	g	101	CLA	CHD-C1D	5.17	1.48	1.38
14	Z	810	CLA	O2A-C1	5.17	1.60	1.46
14	G	834	CLA	O2D-CGD	5.17	1.45	1.33
14	Y	806	CLA	CHC-C1C	5.16	1.48	1.38
14	G	841	CLA	O2D-CGD	5.16	1.45	1.33
14	d	201	CLA	O2D-CGD	5.16	1.45	1.33
14	Z	841	CLA	O2D-CGD	5.16	1.45	1.33
14	A	806	CLA	CHC-C1C	5.16	1.48	1.38
14	Z	831	CLA	O2D-CGD	5.16	1.45	1.33
14	H	839	CLA	O2D-CGD	5.16	1.45	1.33
14	B	835	CLA	O2D-CGD	5.16	1.45	1.33
14	B	837	CLA	O2D-CGD	5.16	1.45	1.33
14	Y	836	CLA	CHD-C1D	5.15	1.48	1.38
14	L	206	CLA	O2D-CGD	5.15	1.45	1.33
14	H	813	CLA	CHC-C1C	5.15	1.48	1.38
14	H	822	CLA	O2D-CGD	5.15	1.45	1.33
14	h	204	CLA	O2D-CGD	5.15	1.45	1.33
14	G	831	CLA	CHC-C1C	5.15	1.48	1.38
14	B	804	CLA	O2A-C1	5.15	1.60	1.46
14	H	801	CLA	O2A-C1	5.15	1.60	1.46
14	H	828	CLA	O2D-CGD	5.15	1.45	1.33
14	A	805	CLA	O2A-C1	5.15	1.60	1.46
14	A	802	CLA	O2D-CGD	5.15	1.45	1.33
14	G	819	CLA	CHD-C1D	5.15	1.48	1.38
14	G	842	CLA	CHD-C1D	5.14	1.48	1.38
14	Z	827	CLA	C3D-C4D	-5.14	1.32	1.44
14	Y	826	CLA	O2D-CGD	5.14	1.45	1.33
14	G	812	CLA	O2A-C1	5.14	1.60	1.46
14	U	1007	CLA	O2A-C1	5.14	1.60	1.46
14	g	101	CLA	CHC-C1C	5.14	1.48	1.38
14	B	817	CLA	CHC-C1C	5.14	1.48	1.38
14	G	820	CLA	CHC-C1C	5.13	1.48	1.38
14	A	830	CLA	CHD-C1D	5.13	1.48	1.38
14	G	817	CLA	O2D-CGD	5.13	1.45	1.33
17	Y	849	BCR	C10-C9	-5.13	1.23	1.35
14	G	840	CLA	O2A-C1	5.13	1.59	1.46
14	A	820	CLA	CHD-C1D	5.13	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	833	CLA	CHC-C1C	5.13	1.48	1.38
14	Z	804	CLA	CHC-C1C	5.12	1.48	1.38
14	A	831	CLA	O2A-C1	5.12	1.59	1.46
14	Y	819	CLA	O2D-CGD	5.12	1.45	1.33
14	A	842	CLA	O2A-C1	5.12	1.59	1.46
14	Y	822	CLA	O2D-CGD	5.12	1.45	1.33
14	Y	824	CLA	O2A-C1	5.12	1.59	1.46
14	Y	808	CLA	CHC-C1C	5.12	1.48	1.38
14	H	821	CLA	O2D-CGD	5.11	1.45	1.33
14	B	836	CLA	CHC-C1C	5.11	1.48	1.38
14	Z	801	CLA	O2D-CGD	5.11	1.45	1.33
14	G	805	CLA	O2D-CGD	5.11	1.45	1.33
14	L	205	CLA	O2D-CGD	5.11	1.45	1.33
14	j	102	CLA	CHD-C1D	5.11	1.48	1.38
14	G	806	CLA	CHC-C1C	5.11	1.48	1.38
14	Y	825	CLA	O2D-CGD	5.10	1.45	1.33
14	B	839	CLA	O2D-CGD	5.10	1.45	1.33
14	Z	802	CLA	CHC-C1C	5.10	1.48	1.38
14	B	838	CLA	O2D-CGD	5.10	1.45	1.33
14	Y	830	CLA	CHC-C1C	5.10	1.48	1.38
14	H	832	CLA	O2D-CGD	5.10	1.45	1.33
14	Y	807	CLA	O2D-CGD	5.10	1.45	1.33
14	Y	818	CLA	CHC-C1C	5.10	1.48	1.38
14	A	822	CLA	O2D-CGD	5.10	1.45	1.33
14	B	833	CLA	CHD-C1D	5.09	1.48	1.38
14	A	832	CLA	CHC-C1C	5.09	1.48	1.38
14	A	806	CLA	O2A-C1	5.09	1.59	1.46
14	H	827	CLA	O2A-C1	5.09	1.59	1.46
14	B	832	CLA	O2A-C1	5.09	1.59	1.46
14	U	1004	CLA	O2A-C1	5.09	1.59	1.46
14	Y	821	CLA	O2A-C1	5.09	1.59	1.46
14	H	827	CLA	O2D-CGD	5.09	1.45	1.33
14	Y	833	CLA	C3C-C2C	5.08	1.47	1.36
14	Z	838	CLA	O2A-C1	5.08	1.59	1.46
14	Y	836	CLA	O2A-C1	5.08	1.59	1.46
15	G	843	PQN	C10-C5	5.08	1.49	1.40
14	Z	836	CLA	CHC-C1C	5.08	1.48	1.38
14	Y	816	CLA	O2D-CGD	5.08	1.45	1.33
14	H	813	CLA	O2A-C1	5.08	1.59	1.46
14	A	843	CLA	O2D-CGD	5.08	1.45	1.33
14	A	808	CLA	O2D-CGD	5.08	1.45	1.33
14	H	808	CLA	O2A-C1	5.08	1.59	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	831	CLA	CHD-C1D	5.08	1.48	1.38
14	U	1007	CLA	OBD-CAD	5.07	1.31	1.22
14	G	836	CLA	C3C-C2C	5.07	1.47	1.36
14	S	1101	CLA	O2D-CGD	5.07	1.45	1.33
14	B	824	CLA	CHC-C1C	5.07	1.48	1.38
14	B	840	CLA	CHC-C1C	5.07	1.48	1.38
14	G	812	CLA	O2D-CGD	5.07	1.45	1.33
14	G	804	CLA	CHC-C1C	5.07	1.48	1.38
14	G	810	CLA	C3C-C2C	5.07	1.47	1.36
14	B	837	CLA	CHC-C1C	5.07	1.48	1.38
14	A	826	CLA	CHD-C1D	5.07	1.48	1.38
14	G	803	CLA	O2A-C1	5.06	1.59	1.46
14	H	840	CLA	C3C-C2C	5.06	1.47	1.36
14	T	103	CLA	CHC-C1C	5.06	1.48	1.38
14	Z	803	CLA	CHC-C1C	5.06	1.48	1.38
13	G	801	CL0	C4B-NB	-5.06	1.31	1.37
14	G	804	CLA	O2D-CGD	5.06	1.45	1.33
14	B	840	CLA	O2A-C1	5.06	1.59	1.46
14	H	802	CLA	CHC-C1C	5.05	1.48	1.38
14	Y	840	CLA	CHC-C1C	5.05	1.48	1.38
14	A	805	CLA	O2D-CGD	5.05	1.45	1.33
14	A	818	CLA	O2D-CGD	5.05	1.45	1.33
14	H	840	CLA	CHC-C1C	5.05	1.48	1.38
14	H	826	CLA	CHC-C1C	5.05	1.48	1.38
14	Z	810	CLA	O2D-CGD	5.05	1.45	1.33
14	S	1101	CLA	CHD-C1D	5.05	1.48	1.38
14	B	826	CLA	C3D-C4D	-5.04	1.32	1.44
14	L	201	CLA	O2A-C1	5.04	1.59	1.46
14	G	815	CLA	CHC-C1C	5.04	1.48	1.38
14	A	826	CLA	O2D-CGD	5.04	1.45	1.33
14	B	811	CLA	C3C-C2C	5.04	1.47	1.36
13	G	801	CL0	CHD-C1D	5.04	1.48	1.38
14	H	803	CLA	O2A-C1	5.04	1.59	1.46
14	B	839	CLA	O2A-C1	5.04	1.59	1.46
14	Y	823	CLA	CHD-C1D	5.04	1.48	1.38
14	A	827	CLA	O2A-C1	5.04	1.59	1.46
14	A	819	CLA	O2D-CGD	5.04	1.45	1.33
14	H	851	CLA	CHC-C1C	5.03	1.48	1.38
14	G	834	CLA	O2A-C1	5.03	1.59	1.46
14	A	819	CLA	CHC-C1C	5.03	1.48	1.38
14	B	805	CLA	CHD-C1D	5.03	1.48	1.38
14	Z	803	CLA	O2A-C1	5.03	1.59	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	h	205	CLA	C3C-C2C	5.03	1.47	1.36
14	A	854	CLA	OBD-CAD	5.03	1.31	1.22
14	G	829	CLA	O2A-C1	5.03	1.59	1.46
14	G	802	CLA	CHC-C1C	5.03	1.48	1.38
14	Y	837	CLA	CHD-C1D	5.03	1.48	1.38
14	B	819	CLA	CHC-C1C	5.02	1.48	1.38
14	Y	816	CLA	CHC-C1C	5.02	1.48	1.38
14	Z	825	CLA	CHC-C1C	5.02	1.48	1.38
14	B	808	CLA	O2A-C1	5.02	1.59	1.46
14	Z	805	CLA	O2A-C1	5.02	1.59	1.46
14	H	813	CLA	CHD-C1D	5.02	1.48	1.38
14	A	809	CLA	O2A-C1	5.02	1.59	1.46
14	H	802	CLA	O2D-CGD	5.02	1.45	1.33
14	Y	808	CLA	O2D-CGD	5.02	1.45	1.33
14	Y	813	CLA	O2D-CGD	5.02	1.45	1.33
14	Y	819	CLA	CHD-C1D	5.02	1.48	1.38
14	B	802	CLA	CHC-C1C	5.02	1.48	1.38
14	Z	807	CLA	CHC-C1C	5.02	1.48	1.38
14	B	801	CLA	O2A-C1	5.02	1.59	1.46
14	B	810	CLA	CHC-C1C	5.02	1.48	1.38
14	Y	802	CLA	O2A-C1	5.02	1.59	1.46
14	G	837	CLA	O2A-C1	5.02	1.59	1.46
14	U	1003	CLA	O2A-C1	5.02	1.59	1.46
14	U	1004	CLA	OBD-CAD	5.01	1.31	1.22
14	H	801	CLA	CHC-C1C	5.01	1.48	1.38
14	f	102	CLA	CHC-C1C	5.01	1.48	1.38
14	Z	833	CLA	O2A-C1	5.01	1.59	1.46
14	G	825	CLA	O2D-CGD	5.01	1.45	1.33
14	H	816	CLA	CHC-C1C	5.01	1.48	1.38
14	G	805	CLA	CHC-C1C	5.01	1.48	1.38
14	Y	832	CLA	O2A-C1	5.01	1.59	1.46
14	Z	824	CLA	O2A-C1	5.01	1.59	1.46
14	Z	817	CLA	CHC-C1C	5.01	1.48	1.38
14	A	809	CLA	O2D-CGD	5.01	1.45	1.33
14	A	835	CLA	O2D-CGD	5.01	1.45	1.33
14	B	802	CLA	CHD-C1D	5.00	1.48	1.38
14	B	829	CLA	CHD-C1D	5.00	1.48	1.38
14	H	809	CLA	O2A-C1	5.00	1.59	1.46
18	G	851	LHG	O7-C7	5.00	1.48	1.34
14	A	821	CLA	O2A-C1	5.00	1.59	1.46
14	Y	819	CLA	CHC-C1C	5.00	1.48	1.38
14	Y	813	CLA	CHC-C1C	5.00	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	813	CLA	O2D-CGD	5.00	1.45	1.33
14	Y	810	CLA	O2D-CGD	5.00	1.45	1.33
14	G	812	CLA	C3C-C2C	5.00	1.47	1.36
14	L	205	CLA	C3C-C2C	4.99	1.47	1.36
14	G	822	CLA	CHD-C1D	4.99	1.48	1.38
14	Y	806	CLA	O2D-CGD	4.99	1.45	1.33
14	B	827	CLA	C3C-C2C	4.99	1.47	1.36
14	B	810	CLA	O2D-CGD	4.99	1.45	1.33
14	H	801	CLA	O2D-CGD	4.99	1.45	1.33
14	B	813	CLA	CHC-C1C	4.99	1.48	1.38
14	Y	809	CLA	CHC-C1C	4.99	1.48	1.38
14	B	826	CLA	CHC-C1C	4.99	1.48	1.38
14	H	822	CLA	CHC-C1C	4.98	1.48	1.38
14	G	827	CLA	CHC-C1C	4.98	1.48	1.38
14	Y	830	CLA	CHD-C1D	4.98	1.48	1.38
14	H	825	CLA	CHC-C1C	4.98	1.48	1.38
14	d	201	CLA	CHC-C1C	4.98	1.48	1.38
14	H	836	CLA	O2A-C1	4.98	1.59	1.46
14	B	821	CLA	O2D-CGD	4.98	1.45	1.33
14	G	807	CLA	C3C-C2C	4.98	1.47	1.36
14	A	841	CLA	CHC-C1C	4.98	1.48	1.38
14	B	807	CLA	CHD-C1D	4.98	1.48	1.38
14	Y	834	CLA	C3C-C2C	4.98	1.47	1.36
14	Z	830	CLA	O2A-C1	4.98	1.59	1.46
14	B	822	CLA	CHD-C1D	4.98	1.48	1.38
14	Z	841	CLA	OBD-CAD	4.98	1.31	1.22
14	Z	824	CLA	CHC-C1C	4.97	1.48	1.38
14	A	822	CLA	C3D-C4D	-4.97	1.33	1.44
14	Z	809	CLA	O2D-CGD	4.97	1.45	1.33
14	Y	836	CLA	CHC-C1C	4.97	1.48	1.38
14	Z	801	CLA	CHC-C1C	4.97	1.48	1.38
14	A	829	CLA	O2A-C1	4.97	1.59	1.46
14	Y	837	CLA	O2A-C1	4.97	1.59	1.46
14	B	830	CLA	CHD-C1D	4.97	1.48	1.38
14	A	807	CLA	O2D-CGD	4.97	1.45	1.33
14	Z	824	CLA	CHD-C1D	4.97	1.48	1.38
14	G	829	CLA	CHD-C1D	4.97	1.48	1.38
14	Z	832	CLA	O2D-CGD	4.96	1.45	1.33
14	Z	841	CLA	O2A-C1	4.96	1.59	1.46
14	B	811	CLA	O2D-CGD	4.96	1.45	1.33
14	H	819	CLA	CHC-C1C	4.96	1.48	1.38
14	B	823	CLA	O2D-CGD	4.96	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	822	CLA	O2A-C1	4.96	1.59	1.46
14	Z	820	CLA	O2D-CGD	4.96	1.45	1.33
14	Y	809	CLA	O2A-C1	4.96	1.59	1.46
14	Z	833	CLA	CHD-C1D	4.96	1.48	1.38
14	B	810	CLA	O2A-C1	4.96	1.59	1.46
14	H	829	CLA	CHD-C1D	4.96	1.48	1.38
14	A	803	CLA	O2A-C1	4.95	1.59	1.46
14	Y	805	CLA	O2A-C1	4.95	1.59	1.46
14	Y	824	CLA	C3C-C2C	4.95	1.47	1.36
14	Z	816	CLA	C3C-C2C	4.95	1.47	1.36
14	Z	839	CLA	CHD-C1D	4.95	1.48	1.38
14	U	1006	CLA	OBD-CAD	4.95	1.31	1.22
14	B	830	CLA	O2D-CGD	4.95	1.45	1.33
14	H	831	CLA	O2A-C1	4.94	1.59	1.46
14	Y	812	CLA	O2A-C1	4.94	1.59	1.46
14	A	823	CLA	O2D-CGD	4.94	1.45	1.33
14	Y	811	CLA	CHD-C1D	4.94	1.48	1.38
14	A	824	CLA	CHC-C1C	4.94	1.48	1.38
14	Y	831	CLA	O2A-C1	4.94	1.59	1.46
14	A	812	CLA	O2D-CGD	4.94	1.45	1.33
14	Y	827	CLA	O2D-CGD	4.94	1.45	1.33
14	A	813	CLA	C3C-C2C	4.93	1.47	1.36
14	Z	831	CLA	CHC-C1C	4.93	1.48	1.38
14	G	809	CLA	O2D-CGD	4.93	1.45	1.33
14	Z	834	CLA	CHD-C1D	4.93	1.48	1.38
14	Y	812	CLA	CHC-C1C	4.93	1.48	1.38
14	B	839	CLA	CHC-C4B	4.93	1.50	1.39
14	B	817	CLA	CHD-C1D	4.93	1.48	1.38
14	Z	837	CLA	O2A-C1	4.93	1.59	1.46
14	G	810	CLA	CHD-C1D	4.93	1.48	1.38
14	Z	829	CLA	O2D-CGD	4.93	1.45	1.33
14	G	842	CLA	O2D-CGD	4.93	1.45	1.33
14	A	830	CLA	CHC-C1C	4.93	1.48	1.38
14	B	808	CLA	O2D-CGD	4.93	1.45	1.33
14	Z	816	CLA	CHC-C1C	4.92	1.48	1.38
14	H	806	CLA	O2D-CGD	4.92	1.45	1.33
14	G	825	CLA	O2A-C1	4.92	1.59	1.46
14	A	805	CLA	CHC-C1C	4.92	1.48	1.38
14	H	810	CLA	CHC-C1C	4.92	1.48	1.38
14	Z	807	CLA	C3C-C2C	4.92	1.47	1.36
14	G	836	CLA	O2D-CGD	4.91	1.45	1.33
14	G	837	CLA	CHD-C1D	4.91	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	838	CLA	O2A-C1	4.91	1.59	1.46
14	Y	809	CLA	O2D-CGD	4.91	1.45	1.33
14	H	832	CLA	CHC-C1C	4.91	1.48	1.38
14	A	822	CLA	C3C-C2C	4.91	1.47	1.36
14	G	832	CLA	O2D-CGD	4.91	1.45	1.33
14	B	832	CLA	O2D-CGD	4.91	1.45	1.33
14	Y	804	CLA	CHC-C1C	4.91	1.48	1.38
14	B	833	CLA	CHC-C1C	4.90	1.48	1.38
14	A	830	CLA	O2A-C1	4.90	1.59	1.46
14	A	811	CLA	CHD-C1D	4.90	1.48	1.38
14	Y	812	CLA	O2D-CGD	4.90	1.45	1.33
14	B	812	CLA	C3D-C4D	-4.90	1.33	1.44
14	H	812	CLA	CHC-C1C	4.90	1.48	1.38
14	A	840	CLA	CHD-C1D	4.90	1.48	1.38
14	B	812	CLA	O2A-C1	4.90	1.59	1.46
14	A	829	CLA	O2D-CGD	4.89	1.45	1.33
14	W	1701	CLA	CHC-C1C	4.89	1.48	1.38
14	Y	822	CLA	CHD-C1D	4.89	1.48	1.38
14	H	827	CLA	CHC-C1C	4.89	1.48	1.38
14	Z	814	CLA	CHC-C1C	4.89	1.48	1.38
14	A	824	CLA	CHD-C1D	4.89	1.48	1.38
14	B	820	CLA	C3C-C2C	4.89	1.47	1.36
14	G	853	CLA	CHD-C1D	4.89	1.48	1.38
14	Z	806	CLA	CHD-C1D	4.89	1.48	1.38
14	B	823	CLA	CHC-C1C	4.89	1.48	1.38
14	B	829	CLA	O2D-CGD	4.89	1.45	1.33
14	Y	815	CLA	CHC-C4B	4.89	1.50	1.39
14	Y	839	CLA	O2D-CGD	4.89	1.45	1.33
14	g	102	CLA	CHD-C1D	4.88	1.48	1.38
14	d	201	CLA	O2A-C1	4.88	1.59	1.46
14	L	201	CLA	O2D-CGD	4.88	1.45	1.33
14	A	814	CLA	O2A-C1	4.88	1.59	1.46
14	Y	841	CLA	CHD-C1D	4.88	1.47	1.38
14	G	819	CLA	O2D-CGD	4.88	1.45	1.33
14	G	827	CLA	O2A-C1	4.88	1.59	1.46
14	Z	826	CLA	O2D-CGD	4.88	1.45	1.33
14	B	834	CLA	CHD-C1D	4.88	1.47	1.38
14	A	832	CLA	O2A-C1	4.87	1.59	1.46
14	G	837	CLA	C3C-C2C	4.87	1.47	1.36
14	Y	834	CLA	CHD-C1D	4.87	1.47	1.38
14	Z	817	CLA	O2D-CGD	4.87	1.45	1.33
14	B	831	CLA	O2D-CGD	4.87	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	805	CLA	O2A-C1	4.87	1.59	1.46
14	G	835	CLA	CHD-C1D	4.87	1.47	1.38
14	Y	803	CLA	O2D-CGD	4.87	1.45	1.33
14	Y	821	CLA	C3C-C2C	4.87	1.47	1.36
14	H	808	CLA	CHC-C1C	4.86	1.48	1.38
14	G	815	CLA	CHD-C1D	4.86	1.47	1.38
14	B	832	CLA	CHC-C1C	4.86	1.48	1.38
14	Z	818	CLA	CHD-C1D	4.86	1.47	1.38
14	G	834	CLA	CHC-C1C	4.86	1.48	1.38
14	B	826	CLA	O2D-CGD	4.86	1.45	1.33
14	B	840	CLA	O2D-CGD	4.85	1.45	1.33
14	A	854	CLA	C3D-C4D	-4.85	1.33	1.44
14	Z	822	CLA	CHC-C1C	4.85	1.48	1.38
14	A	831	CLA	O2D-CGD	4.85	1.45	1.33
14	B	825	CLA	O2D-CGD	4.85	1.45	1.33
14	X	1701	CLA	O2D-CGD	4.85	1.45	1.33
14	J	102	CLA	CHC-C1C	4.85	1.48	1.38
14	H	818	CLA	O2A-C1	4.85	1.59	1.46
14	H	817	CLA	CHC-C1C	4.85	1.48	1.38
14	Z	833	CLA	CHC-C1C	4.85	1.48	1.38
14	B	807	CLA	O2D-CGD	4.85	1.45	1.33
14	G	803	CLA	C3D-C4D	-4.85	1.33	1.44
14	A	821	CLA	C3D-C4D	-4.84	1.33	1.44
14	Y	816	CLA	CHD-C1D	4.84	1.47	1.38
14	Y	829	CLA	C3C-C2C	4.84	1.47	1.36
13	Y	801	CL0	O2D-CGD	4.84	1.45	1.33
14	B	819	CLA	O2D-CGD	4.84	1.45	1.33
14	G	842	CLA	C3C-C2C	4.84	1.47	1.36
14	h	205	CLA	O2D-CGD	4.84	1.45	1.33
14	H	838	CLA	CHD-C1D	4.84	1.47	1.38
14	Z	801	CLA	O2A-C1	4.84	1.59	1.46
14	A	838	CLA	CHD-C1D	4.84	1.47	1.38
14	Y	818	CLA	O2D-CGD	4.84	1.45	1.33
14	G	803	CLA	O2D-CGD	4.84	1.45	1.33
14	H	821	CLA	CHD-C4C	4.84	1.50	1.39
14	S	1101	CLA	O2A-C1	4.84	1.59	1.46
14	G	821	CLA	C3C-C2C	4.84	1.47	1.36
14	A	834	CLA	CHC-C4B	4.84	1.50	1.39
14	Y	840	CLA	O2D-CGD	4.84	1.45	1.33
14	Z	811	CLA	CHC-C1C	4.83	1.48	1.38
14	S	1102	CLA	CHD-C1D	4.83	1.47	1.38
14	A	829	CLA	CHC-C1C	4.83	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	822	CLA	CHC-C1C	4.83	1.48	1.38
14	H	818	CLA	CHC-C1C	4.83	1.48	1.38
14	Y	805	CLA	O2D-CGD	4.83	1.45	1.33
14	B	806	CLA	C3D-C4D	-4.83	1.33	1.44
14	h	205	CLA	CHD-C1D	4.83	1.47	1.38
14	B	827	CLA	CHD-C1D	4.83	1.47	1.38
14	B	818	CLA	O2D-CGD	4.83	1.45	1.33
14	A	813	CLA	CHD-C1D	4.83	1.47	1.38
14	B	809	CLA	C3D-C4D	-4.82	1.33	1.44
14	G	811	CLA	CHD-C1D	4.82	1.47	1.38
17	Q	201	BCR	C10-C9	-4.82	1.24	1.35
14	Z	819	CLA	CHC-C1C	4.82	1.48	1.38
14	B	804	CLA	CHC-C1C	4.82	1.48	1.38
14	H	818	CLA	CHD-C1D	4.82	1.47	1.38
14	G	809	CLA	CHC-C4B	4.82	1.50	1.39
14	G	816	CLA	CHC-C1C	4.82	1.48	1.38
14	A	828	CLA	O2D-CGD	4.82	1.45	1.33
14	G	807	CLA	O2D-CGD	4.82	1.45	1.33
14	Y	832	CLA	C3D-C4D	-4.82	1.33	1.44
14	B	815	CLA	CHD-C1D	4.82	1.47	1.38
14	S	1103	CLA	CHD-C1D	4.81	1.47	1.38
14	A	833	CLA	C3D-C4D	-4.81	1.33	1.44
14	H	818	CLA	C3C-C2C	4.81	1.47	1.36
14	A	807	CLA	CHC-C1C	4.81	1.48	1.38
14	G	803	CLA	CHC-C1C	4.81	1.48	1.38
14	H	801	CLA	C3C-C2C	4.81	1.47	1.36
14	B	821	CLA	C3D-C4D	-4.81	1.33	1.44
14	B	834	CLA	C3C-C2C	4.81	1.47	1.36
14	A	817	CLA	CHD-C1D	4.81	1.47	1.38
14	G	813	CLA	CHC-C1C	4.81	1.48	1.38
17	I	101	BCR	C10-C9	-4.81	1.24	1.35
14	Y	829	CLA	CHC-C1C	4.81	1.48	1.38
14	G	823	CLA	CHD-C1D	4.80	1.47	1.38
14	A	838	CLA	CHC-C1C	4.80	1.48	1.38
14	Z	829	CLA	CHC-C1C	4.80	1.48	1.38
14	G	825	CLA	CHD-C1D	4.80	1.47	1.38
14	B	836	CLA	C3C-C2C	4.80	1.47	1.36
14	H	806	CLA	CHC-C1C	4.80	1.48	1.38
14	Z	833	CLA	O2D-CGD	4.80	1.45	1.33
14	H	832	CLA	CHD-C1D	4.80	1.47	1.38
14	B	829	CLA	CHC-C1C	4.80	1.48	1.38
14	Y	830	CLA	O2D-CGD	4.80	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	814	CLA	CHC-C1C	4.80	1.48	1.38
14	H	814	CLA	O2D-CGD	4.80	1.45	1.33
14	H	806	CLA	C3C-C2C	4.80	1.47	1.36
14	Z	834	CLA	CHC-C1C	4.79	1.48	1.38
14	K	102	CLA	CHC-C1C	4.79	1.48	1.38
14	H	823	CLA	CHC-C1C	4.79	1.48	1.38
14	Y	834	CLA	O2D-CGD	4.79	1.45	1.33
14	H	833	CLA	CHD-C1D	4.79	1.47	1.38
14	A	817	CLA	CHC-C1C	4.79	1.48	1.38
14	A	814	CLA	CHC-C1C	4.79	1.48	1.38
14	A	840	CLA	CHC-C1C	4.79	1.48	1.38
14	Y	827	CLA	CHC-C4B	4.78	1.50	1.39
14	B	824	CLA	CHD-C1D	4.78	1.47	1.38
14	H	824	CLA	CHD-C1D	4.78	1.47	1.38
14	A	843	CLA	CHC-C1C	4.78	1.48	1.38
14	T	103	CLA	CHD-C1D	4.78	1.47	1.38
14	B	815	CLA	C3C-C2C	4.78	1.47	1.36
14	Z	804	CLA	O2A-C1	4.78	1.59	1.46
14	S	1102	CLA	C3C-C2C	4.78	1.47	1.36
14	Y	815	CLA	O2D-CGD	4.78	1.45	1.33
14	Y	832	CLA	O2D-CGD	4.78	1.45	1.33
14	G	840	CLA	OBD-CAD	4.78	1.30	1.22
14	Z	807	CLA	CHD-C1D	4.77	1.47	1.38
14	B	811	CLA	CHC-C1C	4.77	1.48	1.38
14	G	804	CLA	CHD-C1D	4.77	1.47	1.38
14	Y	814	CLA	C3C-C2C	4.77	1.47	1.36
14	B	823	CLA	CHD-C1D	4.77	1.47	1.38
14	L	201	CLA	CHC-C1C	4.77	1.48	1.38
14	G	831	CLA	OBD-CAD	4.77	1.30	1.22
14	G	841	CLA	C3C-C2C	4.77	1.47	1.36
14	F	202	CLA	CHC-C1C	4.77	1.48	1.38
14	G	826	CLA	OBD-CAD	4.77	1.30	1.22
14	S	1102	CLA	CHC-C1C	4.77	1.48	1.38
14	B	804	CLA	C3D-C4D	-4.77	1.33	1.44
14	B	816	CLA	O2A-C1	4.77	1.59	1.46
14	Z	821	CLA	C3C-C2C	4.76	1.47	1.36
14	B	829	CLA	C3C-C2C	4.76	1.47	1.36
14	A	815	CLA	C3C-C2C	4.76	1.47	1.36
14	G	820	CLA	O2D-CGD	4.76	1.44	1.33
14	G	826	CLA	O2A-C1	4.76	1.58	1.46
14	Z	823	CLA	C3C-C2C	4.76	1.47	1.36
17	U	1005	BCR	C10-C9	-4.76	1.24	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	834	CLA	C3C-C2C	4.76	1.47	1.36
14	B	823	CLA	C3C-C2C	4.76	1.47	1.36
14	Z	808	CLA	C3D-C4D	-4.76	1.33	1.44
14	J	102	CLA	CHD-C1D	4.76	1.47	1.38
14	Z	840	CLA	CHC-C1C	4.75	1.48	1.38
14	B	840	CLA	C3C-C2C	4.75	1.47	1.36
14	Z	833	CLA	C3C-C2C	4.75	1.47	1.36
14	Z	841	CLA	CHC-C1C	4.75	1.48	1.38
14	B	837	CLA	C3C-C2C	4.75	1.47	1.36
14	B	821	CLA	CHC-C1C	4.75	1.48	1.38
14	H	812	CLA	C3C-C2C	4.75	1.47	1.36
14	Y	831	CLA	CHC-C1C	4.75	1.48	1.38
14	Z	814	CLA	C3D-C4D	-4.74	1.33	1.44
14	B	838	CLA	CHC-C4B	4.74	1.50	1.39
14	G	835	CLA	CHC-C1C	4.74	1.48	1.38
19	B	848	LMG	O7-C10	4.74	1.47	1.34
14	X	1701	CLA	C3D-C4D	-4.74	1.33	1.44
14	Z	828	CLA	C3D-C4D	-4.74	1.33	1.44
14	Y	817	CLA	CHC-C4B	4.74	1.50	1.39
14	A	839	CLA	C3D-C4D	-4.74	1.33	1.44
14	h	201	CLA	O2D-CGD	4.74	1.44	1.33
14	Y	826	CLA	O2A-C1	4.73	1.58	1.46
14	Z	804	CLA	CHD-C1D	4.73	1.47	1.38
14	Z	818	CLA	C3C-C2C	4.73	1.47	1.36
14	B	835	CLA	CHC-C1C	4.73	1.48	1.38
14	G	814	CLA	O2D-CGD	4.73	1.44	1.33
14	G	810	CLA	CHC-C1C	4.73	1.48	1.38
14	Y	833	CLA	CHD-C1D	4.73	1.47	1.38
14	H	824	CLA	CHC-C1C	4.73	1.48	1.38
14	A	836	CLA	C3C-C2C	4.73	1.47	1.36
14	H	836	CLA	CHC-C1C	4.73	1.48	1.38
14	A	842	CLA	CHD-C1D	4.73	1.47	1.38
14	H	830	CLA	C3C-C2C	4.73	1.47	1.36
14	B	809	CLA	CHC-C1C	4.73	1.48	1.38
14	A	806	CLA	C3C-C2C	4.72	1.47	1.36
14	L	201	CLA	C3D-C4D	-4.72	1.33	1.44
14	Z	837	CLA	C3C-C2C	4.72	1.47	1.36
14	G	823	CLA	CHC-C1C	4.72	1.47	1.38
14	G	822	CLA	O2D-CGD	4.72	1.44	1.33
14	B	807	CLA	OBD-CAD	4.72	1.30	1.22
14	h	201	CLA	C3C-C2C	4.72	1.46	1.36
14	B	821	CLA	CHD-C1D	4.72	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	CHD-C1D	4.72	1.47	1.38
14	X	1701	CLA	CHD-C1D	4.72	1.47	1.38
14	Y	835	CLA	C3C-C2C	4.72	1.46	1.36
14	A	827	CLA	O2D-CGD	4.72	1.44	1.33
14	B	826	CLA	CHD-C1D	4.71	1.47	1.38
14	G	803	CLA	OBD-CAD	4.71	1.30	1.22
14	A	804	CLA	C3D-C4D	-4.71	1.33	1.44
14	G	833	CLA	C3C-C2C	4.71	1.46	1.36
14	B	817	CLA	O2D-CGD	4.71	1.44	1.33
17	G	846	BCR	C10-C9	-4.71	1.24	1.35
14	B	820	CLA	CHC-C1C	4.71	1.47	1.38
13	A	801	CL0	O2D-CGD	4.71	1.44	1.33
13	A	801	CL0	C3D-C4D	-4.71	1.33	1.44
14	Z	813	CLA	C3C-C2C	4.71	1.46	1.36
14	H	828	CLA	C3C-C2C	4.71	1.46	1.36
14	Y	806	CLA	C3C-C2C	4.71	1.46	1.36
14	Y	826	CLA	CHC-C1C	4.70	1.47	1.38
14	h	205	CLA	OBD-CAD	4.70	1.30	1.22
14	Z	823	CLA	CHC-C1C	4.70	1.47	1.38
14	j	102	CLA	O2D-CGD	4.70	1.44	1.33
14	Y	831	CLA	C3D-C4D	-4.70	1.33	1.44
14	G	811	CLA	O2D-CGD	4.70	1.44	1.33
14	Y	818	CLA	CHD-C1D	4.70	1.47	1.38
14	Z	827	CLA	C3C-C2C	4.70	1.46	1.36
14	Y	805	CLA	CHD-C1D	4.70	1.47	1.38
14	Z	813	CLA	CHD-C1D	4.69	1.47	1.38
14	A	812	CLA	CHD-C1D	4.69	1.47	1.38
14	G	812	CLA	CHD-C1D	4.69	1.47	1.38
14	Y	837	CLA	CHC-C1C	4.69	1.47	1.38
14	A	814	CLA	C3C-C2C	4.69	1.46	1.36
17	A	851	BCR	C10-C9	-4.69	1.25	1.35
14	G	811	CLA	CHC-C1C	4.69	1.47	1.38
14	Z	820	CLA	CHC-C1C	4.69	1.47	1.38
14	A	806	CLA	O2D-CGD	4.69	1.44	1.33
14	H	819	CLA	O2D-CGD	4.69	1.44	1.33
14	A	803	CLA	C3D-C4D	-4.69	1.33	1.44
14	T	101	CLA	C3D-C4D	-4.69	1.33	1.44
14	Z	818	CLA	CHD-C4C	4.69	1.49	1.39
14	G	807	CLA	CHD-C1D	4.69	1.47	1.38
14	T	101	CLA	CHD-C1D	4.69	1.47	1.38
17	B	850	BCR	C10-C9	-4.68	1.25	1.35
14	Y	809	CLA	CHD-C1D	4.68	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	816	CLA	C3D-C4D	-4.68	1.33	1.44
14	Y	833	CLA	C3D-C4D	-4.68	1.33	1.44
14	H	824	CLA	C3C-C2C	4.68	1.46	1.36
14	H	802	CLA	CHD-C1D	4.68	1.47	1.38
14	U	1003	CLA	OBD-CAD	4.68	1.30	1.22
14	A	833	CLA	CHC-C1C	4.68	1.47	1.38
14	G	832	CLA	C3D-C4D	-4.68	1.33	1.44
14	A	841	CLA	O2D-CGD	4.68	1.44	1.33
14	S	1101	CLA	C3D-C4D	-4.68	1.33	1.44
14	G	837	CLA	CHC-C1C	4.68	1.47	1.38
14	A	854	CLA	CHC-C1C	4.67	1.47	1.38
13	Y	801	CL0	CHD-C1D	4.67	1.47	1.38
14	A	842	CLA	C3C-C2C	4.67	1.46	1.36
14	S	1101	CLA	CHC-C1C	4.67	1.47	1.38
14	Z	807	CLA	OBD-CAD	4.67	1.30	1.22
14	Y	838	CLA	O2D-CGD	4.67	1.44	1.33
14	B	801	CLA	CHC-C1C	4.67	1.47	1.38
14	Y	802	CLA	C3D-C4D	-4.67	1.33	1.44
14	j	102	CLA	CHC-C1C	4.67	1.47	1.38
14	Y	841	CLA	O2A-C1	4.67	1.58	1.46
14	B	807	CLA	CHC-C1C	4.67	1.47	1.38
14	Z	807	CLA	O2D-CGD	4.67	1.44	1.33
14	Y	803	CLA	CHC-C1C	4.66	1.47	1.38
14	Y	802	CLA	CHD-C1D	4.66	1.47	1.38
14	U	1002	CLA	CHC-C1C	4.66	1.47	1.38
14	h	206	CLA	C3C-C2C	4.66	1.46	1.36
14	G	806	CLA	C3D-C4D	-4.66	1.33	1.44
14	G	802	CLA	OBD-CAD	4.66	1.30	1.22
14	A	817	CLA	C3C-C2C	4.66	1.46	1.36
14	f	101	CLA	C3C-C2C	4.66	1.46	1.36
14	A	842	CLA	CHC-C1C	4.66	1.47	1.38
14	Y	821	CLA	O2D-CGD	4.66	1.44	1.33
14	A	824	CLA	C3C-C2C	4.66	1.46	1.36
18	Y	850	LHG	O7-C7	4.66	1.47	1.34
14	G	852	CLA	CHD-C1D	4.65	1.47	1.38
14	S	1103	CLA	CHC-C1C	4.65	1.47	1.38
14	G	836	CLA	C3D-C4D	-4.65	1.33	1.44
14	G	829	CLA	CHC-C1C	4.65	1.47	1.38
14	H	805	CLA	CHC-C1C	4.65	1.47	1.38
14	Z	838	CLA	CHC-C1C	4.65	1.47	1.38
14	Z	826	CLA	CHC-C1C	4.65	1.47	1.38
14	B	804	CLA	CHD-C1D	4.65	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	812	CLA	CHD-C1D	4.65	1.47	1.38
14	B	814	CLA	O2D-CGD	4.65	1.44	1.33
14	F	202	CLA	O2D-CGD	4.64	1.44	1.33
14	G	813	CLA	C3D-C4D	-4.64	1.33	1.44
14	A	829	CLA	C3C-C2C	4.64	1.46	1.36
14	A	827	CLA	C3C-C2C	4.64	1.46	1.36
14	B	825	CLA	CHC-C1C	4.64	1.47	1.38
14	h	205	CLA	CHD-C4C	4.64	1.49	1.39
14	H	808	CLA	C3C-C2C	4.64	1.46	1.36
14	B	809	CLA	C1C-NC	-4.64	1.30	1.37
14	G	815	CLA	C3C-C2C	4.64	1.46	1.36
14	G	831	CLA	CHD-C1D	4.64	1.47	1.38
14	A	813	CLA	CHC-C1C	4.64	1.47	1.38
14	A	803	CLA	O2D-CGD	4.64	1.44	1.33
14	B	824	CLA	O2D-CGD	4.64	1.44	1.33
14	A	815	CLA	CHC-C4B	4.64	1.49	1.39
14	G	824	CLA	CHD-C1D	4.64	1.47	1.38
14	Y	836	CLA	OBD-CAD	4.64	1.30	1.22
14	Z	838	CLA	CHD-C1D	4.64	1.47	1.38
14	H	803	CLA	CHC-C1C	4.64	1.47	1.38
14	Y	829	CLA	CHD-C4C	4.63	1.49	1.39
14	G	841	CLA	O2A-C1	4.63	1.58	1.46
14	H	837	CLA	CHD-C4C	4.63	1.49	1.39
14	B	816	CLA	CHD-C1D	4.63	1.47	1.38
14	Y	829	CLA	C3D-C4D	-4.63	1.33	1.44
14	U	1006	CLA	CHC-C1C	4.62	1.47	1.38
14	B	819	CLA	C3D-C4D	-4.62	1.33	1.44
14	A	837	CLA	CHD-C1D	4.62	1.47	1.38
14	Y	837	CLA	C3C-C2C	4.62	1.46	1.36
14	G	819	CLA	CHC-C1C	4.62	1.47	1.38
14	G	822	CLA	CHD-C4C	4.62	1.49	1.39
14	G	807	CLA	C3D-C4D	-4.62	1.33	1.44
14	H	806	CLA	O2A-C1	4.62	1.58	1.46
14	G	813	CLA	CHB-C1B	4.62	1.49	1.39
14	Z	815	CLA	CHC-C1C	4.62	1.47	1.38
14	H	804	CLA	CHC-C4B	4.62	1.49	1.39
14	B	830	CLA	CHC-C1C	4.61	1.47	1.38
14	G	832	CLA	CHC-C1C	4.61	1.47	1.38
14	A	842	CLA	C3D-C4D	-4.61	1.33	1.44
14	B	821	CLA	C3C-C2C	4.61	1.46	1.36
14	A	807	CLA	CHD-C1D	4.61	1.47	1.38
14	Y	817	CLA	CHD-C1D	4.61	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	C3C-C2C	4.61	1.46	1.36
14	K	101	CLA	CHD-C1D	4.61	1.47	1.38
14	H	807	CLA	OBD-CAD	4.61	1.30	1.22
14	B	806	CLA	O2D-CGD	4.61	1.44	1.33
17	R	102	BCR	C10-C9	-4.61	1.25	1.35
14	A	831	CLA	C3C-C2C	4.61	1.46	1.36
14	Y	810	CLA	C3C-C2C	4.61	1.46	1.36
14	G	806	CLA	C3C-C2C	4.60	1.46	1.36
14	H	835	CLA	CHD-C1D	4.60	1.47	1.38
14	A	804	CLA	CHC-C1C	4.60	1.47	1.38
14	h	206	CLA	CHC-C1C	4.60	1.47	1.38
14	H	826	CLA	CHD-C1D	4.60	1.47	1.38
14	g	101	CLA	CHD-C4C	4.60	1.49	1.39
14	Q	202	CLA	CHC-C1C	4.60	1.47	1.38
14	Z	806	CLA	C3D-C4D	-4.60	1.33	1.44
14	Y	812	CLA	CHD-C1D	4.60	1.47	1.38
14	G	824	CLA	OBD-CAD	4.60	1.30	1.22
14	Y	815	CLA	CHD-C1D	4.60	1.47	1.38
14	B	825	CLA	O2A-C1	4.60	1.58	1.46
14	H	816	CLA	CHD-C1D	4.59	1.47	1.38
14	K	101	CLA	C3C-C2C	4.59	1.46	1.36
14	G	839	CLA	C3D-C4D	-4.59	1.33	1.44
14	A	808	CLA	CHD-C1D	4.59	1.47	1.38
15	A	844	PQN	C10-C5	4.59	1.48	1.40
14	G	837	CLA	O2D-CGD	4.59	1.44	1.33
14	A	811	CLA	C3C-C2C	4.59	1.46	1.36
14	H	838	CLA	CHC-C1C	4.59	1.47	1.38
14	H	826	CLA	O2A-C1	4.59	1.58	1.46
14	U	1002	CLA	CHD-C1D	4.59	1.47	1.38
14	Z	841	CLA	C3D-C4D	-4.59	1.33	1.44
14	G	852	CLA	CHC-C1C	4.59	1.47	1.38
14	G	826	CLA	CHD-C1D	4.59	1.47	1.38
14	L	204	CLA	CHD-C1D	4.59	1.47	1.38
14	Z	827	CLA	O2A-C1	4.59	1.58	1.46
14	A	830	CLA	C3D-C4D	-4.59	1.33	1.44
14	G	819	CLA	C3C-C2C	4.59	1.46	1.36
14	Z	815	CLA	O2D-CGD	4.58	1.44	1.33
14	A	821	CLA	CHC-C1C	4.58	1.47	1.38
14	B	835	CLA	CHD-C1D	4.58	1.47	1.38
14	H	812	CLA	CHD-C1D	4.58	1.47	1.38
14	A	802	CLA	CHD-C1D	4.58	1.47	1.38
14	d	201	CLA	C3D-C4D	-4.58	1.33	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	805	CLA	CHC-C1C	4.58	1.47	1.38
14	G	823	CLA	O2D-CGD	4.58	1.44	1.33
14	A	816	CLA	O2D-CGD	4.58	1.44	1.33
14	Z	826	CLA	CHD-C1D	4.58	1.47	1.38
14	H	827	CLA	C3D-C4D	-4.57	1.33	1.44
14	H	815	CLA	C3C-C2C	4.57	1.46	1.36
14	X	1701	CLA	C3C-C2C	4.57	1.46	1.36
14	H	831	CLA	CHC-C1C	4.57	1.47	1.38
14	H	805	CLA	CHD-C1D	4.57	1.47	1.38
17	h	207	BCR	C10-C9	-4.57	1.25	1.35
14	G	820	CLA	C3D-C4D	-4.57	1.33	1.44
19	H	848	LMG	O8-C28	4.57	1.46	1.33
14	Z	821	CLA	CHC-C4B	4.57	1.49	1.39
14	G	833	CLA	OBD-CAD	4.57	1.30	1.22
14	L	202	CLA	C3D-C4D	-4.57	1.33	1.44
14	Y	814	CLA	CHC-C4B	4.57	1.49	1.39
14	Y	815	CLA	OBD-CAD	4.57	1.30	1.22
14	W	1701	CLA	CHD-C1D	4.57	1.47	1.38
14	Z	808	CLA	O2A-C1	4.57	1.58	1.46
14	Y	802	CLA	CHC-C1C	4.57	1.47	1.38
14	A	835	CLA	C3C-C2C	4.56	1.46	1.36
17	S	1105	BCR	C10-C9	-4.56	1.25	1.35
14	H	812	CLA	C3D-C4D	-4.56	1.33	1.44
14	d	202	CLA	CHD-C1D	4.56	1.47	1.38
14	f	101	CLA	CHD-C1D	4.56	1.47	1.38
14	G	841	CLA	CHD-C1D	4.56	1.47	1.38
14	f	102	CLA	CHD-C1D	4.56	1.47	1.38
14	Z	837	CLA	C3D-C4D	-4.56	1.33	1.44
14	B	835	CLA	C3D-C4D	-4.56	1.33	1.44
14	H	820	CLA	C3C-C2C	4.56	1.46	1.36
14	Z	815	CLA	C3C-C2C	4.56	1.46	1.36
14	L	205	CLA	OBD-CAD	4.55	1.30	1.22
14	B	803	CLA	CHC-C1C	4.55	1.47	1.38
17	H	850	BCR	C10-C9	-4.55	1.25	1.35
14	Z	830	CLA	C3D-C4D	-4.55	1.33	1.44
14	B	838	CLA	C3D-C4D	-4.55	1.33	1.44
14	B	805	CLA	O2D-CGD	4.55	1.44	1.33
14	B	832	CLA	C3C-C2C	4.55	1.46	1.36
14	Y	825	CLA	CHD-C1D	4.55	1.47	1.38
14	A	808	CLA	C3C-C2C	4.55	1.46	1.36
14	g	102	CLA	C3C-C2C	4.55	1.46	1.36
17	i	101	BCR	C10-C9	-4.55	1.25	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	833	CLA	CHC-C1C	4.55	1.47	1.38
14	B	805	CLA	C3D-C4D	-4.55	1.34	1.44
14	H	816	CLA	C3D-C4D	-4.54	1.34	1.44
14	B	820	CLA	CHD-C1D	4.54	1.47	1.38
14	G	821	CLA	CHD-C1D	4.54	1.47	1.38
14	G	853	CLA	C3C-C2C	4.54	1.46	1.36
14	A	810	CLA	C3D-C4D	-4.54	1.34	1.44
14	B	816	CLA	CHC-C1C	4.54	1.47	1.38
14	B	803	CLA	C3D-C4D	-4.54	1.34	1.44
14	A	820	CLA	C3C-C2C	4.54	1.46	1.36
14	Z	841	CLA	C3C-C2C	4.54	1.46	1.36
14	G	842	CLA	CHC-C1C	4.54	1.47	1.38
14	A	805	CLA	C3C-C2C	4.54	1.46	1.36
14	G	840	CLA	C3C-C2C	4.54	1.46	1.36
14	Z	814	CLA	C3C-C2C	4.53	1.46	1.36
14	Z	837	CLA	O2D-CGD	4.53	1.44	1.33
14	Y	819	CLA	C3C-C2C	4.53	1.46	1.36
14	Y	806	CLA	CHD-C1D	4.53	1.47	1.38
14	Y	816	CLA	C3C-C2C	4.53	1.46	1.36
14	G	803	CLA	CHD-C1D	4.53	1.47	1.38
14	A	841	CLA	C3C-C2C	4.53	1.46	1.36
17	B	846	BCR	C10-C9	-4.53	1.25	1.35
14	B	817	CLA	C3D-C4D	-4.53	1.34	1.44
14	Y	825	CLA	CHC-C1C	4.53	1.47	1.38
14	Z	835	CLA	OBD-CAD	4.53	1.30	1.22
14	Y	839	CLA	CHC-C1C	4.53	1.47	1.38
14	H	829	CLA	C3D-C4D	-4.53	1.34	1.44
19	B	848	LMG	O8-C28	4.53	1.46	1.33
14	A	837	CLA	C3D-C4D	-4.52	1.34	1.44
14	A	807	CLA	C3D-C4D	-4.52	1.34	1.44
14	A	802	CLA	C3C-C2C	4.52	1.46	1.36
14	G	834	CLA	CHD-C1D	4.52	1.47	1.38
14	A	810	CLA	CHC-C4B	4.52	1.49	1.39
14	Y	838	CLA	CHC-C1C	4.52	1.47	1.38
14	h	201	CLA	C1B-NB	-4.52	1.31	1.37
14	Z	820	CLA	C3C-C2C	4.52	1.46	1.36
14	A	827	CLA	CHC-C1C	4.52	1.47	1.38
14	Z	819	CLA	C3C-C2C	4.52	1.46	1.36
14	H	834	CLA	CHD-C1D	4.52	1.47	1.38
14	B	814	CLA	C3C-C2C	4.51	1.46	1.36
14	G	827	CLA	CHC-C4B	4.51	1.49	1.39
14	A	820	CLA	O2D-CGD	4.51	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	842	CLA	OBD-CAD	4.51	1.30	1.22
14	B	819	CLA	C3C-C2C	4.51	1.46	1.36
14	Y	832	CLA	C3C-C2C	4.51	1.46	1.36
14	Y	830	CLA	C3D-C4D	-4.51	1.34	1.44
14	H	823	CLA	CHD-C4C	4.51	1.49	1.39
14	H	813	CLA	C3D-C4D	-4.51	1.34	1.44
14	A	804	CLA	C3C-C2C	4.51	1.46	1.36
14	Y	807	CLA	CHD-C1D	4.51	1.47	1.38
14	W	1701	CLA	C3C-C2C	4.51	1.46	1.36
14	Y	826	CLA	CHD-C1D	4.51	1.47	1.38
14	G	818	CLA	C3D-C4D	-4.51	1.34	1.44
14	g	101	CLA	C3D-C4D	-4.51	1.34	1.44
14	G	821	CLA	C3D-C4D	-4.51	1.34	1.44
14	H	802	CLA	C3D-C4D	-4.51	1.34	1.44
14	Y	822	CLA	CHD-C4C	4.51	1.49	1.39
14	g	102	CLA	CHC-C4B	4.50	1.49	1.39
14	A	803	CLA	CHD-C1D	4.50	1.47	1.38
14	G	817	CLA	CHD-C1D	4.50	1.47	1.38
14	Y	841	CLA	C3D-C4D	-4.50	1.34	1.44
14	Q	202	CLA	CHD-C1D	4.50	1.47	1.38
14	Z	822	CLA	CHD-C1D	4.50	1.47	1.38
14	B	826	CLA	C3C-C2C	4.50	1.46	1.36
14	G	838	CLA	CHD-C4C	4.50	1.49	1.39
14	W	1701	CLA	CHC-C4B	4.50	1.49	1.39
14	Z	824	CLA	CHD-C4C	4.50	1.49	1.39
14	A	822	CLA	CHC-C4B	4.50	1.49	1.39
14	G	819	CLA	CHD-C4C	4.49	1.49	1.39
14	Y	822	CLA	C3C-C2C	4.49	1.46	1.36
17	Z	850	BCR	C10-C9	-4.49	1.25	1.35
14	Y	804	CLA	CHD-C1D	4.49	1.47	1.38
14	Y	819	CLA	CHD-C4C	4.49	1.49	1.39
14	A	834	CLA	C3D-C4D	-4.49	1.34	1.44
14	Y	814	CLA	CHD-C1D	4.49	1.47	1.38
14	B	829	CLA	C3D-C4D	-4.49	1.34	1.44
17	A	846	BCR	C10-C9	-4.49	1.25	1.35
14	h	201	CLA	O2A-C1	4.49	1.58	1.46
14	A	811	CLA	C3D-C4D	-4.49	1.34	1.44
14	B	832	CLA	CHC-C4B	4.49	1.49	1.39
14	Z	817	CLA	C3C-C2C	4.49	1.46	1.36
13	G	801	CL0	CHD-C4C	4.49	1.49	1.39
14	H	806	CLA	CHD-C4C	4.49	1.49	1.39
14	Y	837	CLA	OBD-CAD	4.48	1.30	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	h	206	CLA	C3D-C4D	-4.48	1.34	1.44
14	U	1003	CLA	C3C-C2C	4.48	1.46	1.36
14	Y	821	CLA	CHD-C1D	4.48	1.47	1.38
14	G	812	CLA	C3D-C4D	-4.48	1.34	1.44
14	G	824	CLA	CHC-C4B	4.48	1.49	1.39
14	H	801	CLA	CHD-C1D	4.48	1.47	1.38
14	j	102	CLA	C3C-C2C	4.48	1.46	1.36
14	A	814	CLA	CHD-C1D	4.48	1.47	1.38
14	Z	832	CLA	CHD-C1D	4.48	1.47	1.38
18	Y	850	LHG	O8-C23	4.48	1.46	1.33
14	B	807	CLA	C3D-C4D	-4.48	1.34	1.44
14	H	804	CLA	C3D-C4D	-4.48	1.34	1.44
14	Z	826	CLA	C3C-C2C	4.48	1.46	1.36
14	Y	832	CLA	CHC-C1C	4.47	1.47	1.38
14	A	809	CLA	CHD-C1D	4.47	1.47	1.38
14	G	830	CLA	C3C-C2C	4.47	1.46	1.36
14	H	821	CLA	C3C-C2C	4.47	1.46	1.36
14	A	830	CLA	C3C-C2C	4.47	1.46	1.36
14	H	803	CLA	CHD-C1D	4.47	1.47	1.38
14	G	814	CLA	CHD-C1D	4.47	1.47	1.38
14	L	206	CLA	CHC-C1C	4.47	1.47	1.38
14	Y	818	CLA	C3C-C2C	4.47	1.46	1.36
14	H	814	CLA	CHD-C1D	4.47	1.47	1.38
14	A	813	CLA	CHB-C1B	4.47	1.49	1.39
17	Y	845	BCR	C10-C9	-4.47	1.25	1.35
14	A	806	CLA	C3D-C4D	-4.47	1.34	1.44
14	Z	809	CLA	C3D-C4D	-4.47	1.34	1.44
14	Z	815	CLA	CHD-C1D	4.47	1.47	1.38
14	Y	828	CLA	CHD-C1D	4.46	1.47	1.38
14	G	853	CLA	C3D-C4D	-4.46	1.34	1.44
14	A	815	CLA	CHD-C1D	4.46	1.47	1.38
14	A	834	CLA	C3C-C2C	4.46	1.46	1.36
14	Y	841	CLA	O2D-CGD	4.46	1.44	1.33
14	Z	803	CLA	C3C-C2C	4.46	1.46	1.36
14	G	827	CLA	C3C-C2C	4.46	1.46	1.36
14	H	808	CLA	CHD-C1D	4.46	1.47	1.38
14	U	1003	CLA	CHC-C1C	4.46	1.47	1.38
14	Y	827	CLA	C3C-C2C	4.46	1.46	1.36
14	A	829	CLA	C3D-C4D	-4.46	1.34	1.44
18	Y	851	LHG	O8-C23	4.46	1.46	1.33
14	B	804	CLA	CHD-C4C	4.46	1.49	1.39
14	A	827	CLA	CHD-C1D	4.46	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	822	CLA	C3C-C2C	4.46	1.46	1.36
14	A	803	CLA	OBD-CAD	4.45	1.30	1.22
14	A	821	CLA	C3C-C2C	4.45	1.46	1.36
14	Y	827	CLA	C3D-C4D	-4.45	1.34	1.44
14	B	824	CLA	C3D-C4D	-4.45	1.34	1.44
14	H	802	CLA	C3C-C2C	4.45	1.46	1.36
14	Y	808	CLA	CHD-C1D	4.45	1.47	1.38
14	H	834	CLA	C3C-C2C	4.45	1.46	1.36
14	H	803	CLA	C3D-C4D	-4.45	1.34	1.44
14	B	802	CLA	O2D-CGD	4.45	1.44	1.33
14	f	102	CLA	C3C-C2C	4.44	1.46	1.36
14	A	832	CLA	C3D-C4D	-4.44	1.34	1.44
14	Y	836	CLA	O2D-CGD	4.44	1.44	1.33
14	G	839	CLA	CHD-C4C	4.44	1.49	1.39
14	H	825	CLA	C3C-C2C	4.44	1.46	1.36
14	H	840	CLA	C3D-C4D	-4.44	1.34	1.44
14	Y	805	CLA	C3C-C2C	4.44	1.46	1.36
14	G	811	CLA	C3C-C2C	4.44	1.46	1.36
14	B	809	CLA	CHD-C1D	4.44	1.47	1.38
14	G	838	CLA	CHC-C1C	4.44	1.47	1.38
14	Z	818	CLA	CHC-C1C	4.44	1.47	1.38
14	U	1004	CLA	O2D-CGD	4.44	1.44	1.33
17	Y	853	BCR	C10-C9	-4.44	1.25	1.35
14	Z	813	CLA	CHC-C1C	4.44	1.47	1.38
14	Y	829	CLA	O2D-CGD	4.43	1.44	1.33
18	B	849	LHG	O8-C23	4.43	1.46	1.33
14	G	828	CLA	CHD-C1D	4.43	1.47	1.38
14	G	833	CLA	O2D-CGD	4.43	1.44	1.33
14	A	825	CLA	C3D-C4D	-4.43	1.34	1.44
14	K	102	CLA	CHD-C1D	4.43	1.47	1.38
14	G	826	CLA	CHC-C1C	4.43	1.47	1.38
14	Z	803	CLA	C3D-C4D	-4.43	1.34	1.44
14	Z	807	CLA	C3D-C4D	-4.43	1.34	1.44
14	H	839	CLA	C3D-C4D	-4.43	1.34	1.44
14	H	831	CLA	CHC-C4B	4.43	1.49	1.39
14	A	839	CLA	O2D-CGD	4.43	1.44	1.33
14	B	812	CLA	CHB-C1B	4.43	1.49	1.39
14	A	805	CLA	OBD-CAD	4.43	1.30	1.22
14	G	806	CLA	O2D-CGD	4.43	1.44	1.33
14	Y	838	CLA	C3C-C2C	4.42	1.46	1.36
14	B	840	CLA	CHD-C1D	4.42	1.47	1.38
14	A	825	CLA	C3C-C2C	4.42	1.46	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CLA	CHC-C4B	4.42	1.49	1.39
14	B	819	CLA	CHD-C1D	4.42	1.47	1.38
14	Z	835	CLA	CHC-C4B	4.42	1.49	1.39
14	F	202	CLA	C3C-C2C	4.42	1.46	1.36
14	Q	202	CLA	C3D-C4D	-4.42	1.34	1.44
14	h	204	CLA	C3D-C4D	-4.42	1.34	1.44
14	G	823	CLA	C3C-C2C	4.42	1.46	1.36
14	A	814	CLA	C3D-C4D	-4.42	1.34	1.44
14	H	827	CLA	C1D-ND	-4.42	1.32	1.37
14	G	821	CLA	CHC-C4B	4.42	1.49	1.39
14	H	813	CLA	CHD-C4C	4.42	1.49	1.39
14	g	101	CLA	C3C-C2C	4.42	1.46	1.36
14	A	823	CLA	CHD-C1D	4.41	1.47	1.38
14	Y	834	CLA	CHD-C4C	4.41	1.49	1.39
14	Y	815	CLA	C3C-C2C	4.41	1.46	1.36
18	A	853	LHG	O7-C7	4.41	1.46	1.34
14	A	854	CLA	O2D-CGD	4.41	1.44	1.33
14	K	101	CLA	C3D-C4D	-4.41	1.34	1.44
14	Y	835	CLA	O2D-CGD	4.41	1.44	1.33
14	J	101	CLA	C3C-C2C	4.41	1.46	1.36
14	Y	803	CLA	CHD-C1D	4.41	1.47	1.38
14	B	833	CLA	C3D-C4D	-4.41	1.34	1.44
14	Y	821	CLA	CHC-C4B	4.41	1.49	1.39
17	J	104	BCR	C10-C9	-4.41	1.25	1.35
18	G	850	LHG	O7-C7	4.41	1.46	1.34
14	H	814	CLA	OBD-CAD	4.41	1.30	1.22
14	A	837	CLA	C3C-C2C	4.41	1.46	1.36
14	Y	807	CLA	C3C-C2C	4.41	1.46	1.36
14	Y	824	CLA	CHC-C4B	4.41	1.49	1.39
14	G	836	CLA	CHD-C4C	4.41	1.49	1.39
14	Z	814	CLA	CHC-C4B	4.40	1.49	1.39
14	Z	836	CLA	C3D-C4D	-4.40	1.34	1.44
14	G	835	CLA	C3D-C4D	-4.40	1.34	1.44
14	G	841	CLA	C3D-C4D	-4.40	1.34	1.44
14	G	842	CLA	C3D-C4D	-4.40	1.34	1.44
14	B	840	CLA	OBD-CAD	4.40	1.30	1.22
14	B	837	CLA	C3D-C4D	-4.40	1.34	1.44
14	Z	826	CLA	CHD-C4C	4.40	1.49	1.39
14	A	810	CLA	O2D-CGD	4.40	1.44	1.33
14	H	816	CLA	CHB-C1B	4.40	1.49	1.39
14	H	807	CLA	CHC-C4B	4.40	1.49	1.39
14	U	1007	CLA	CHC-C4B	4.40	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	835	CLA	C3C-C2C	4.40	1.46	1.36
14	H	819	CLA	C3C-C2C	4.39	1.46	1.36
14	G	838	CLA	C3D-C4D	-4.39	1.34	1.44
14	A	822	CLA	CHD-C1D	4.39	1.47	1.38
14	Y	834	CLA	CHC-C4B	4.39	1.49	1.39
14	Y	839	CLA	C3D-C4D	-4.39	1.34	1.44
14	Z	820	CLA	C3D-C4D	-4.39	1.34	1.44
14	Z	819	CLA	O2D-CGD	4.39	1.44	1.33
14	T	101	CLA	CHD-C4C	4.39	1.49	1.39
14	Z	810	CLA	C3D-C4D	-4.39	1.34	1.44
17	F	203	BCR	C10-C9	-4.39	1.25	1.35
17	Y	847	BCR	C10-C9	-4.39	1.25	1.35
14	A	818	CLA	CHD-C1D	4.39	1.47	1.38
14	H	830	CLA	OBD-CAD	4.39	1.30	1.22
14	H	836	CLA	C3C-C2C	4.39	1.46	1.36
14	K	102	CLA	CHB-C1B	4.39	1.49	1.39
14	Y	831	CLA	C3C-C2C	4.39	1.46	1.36
14	H	828	CLA	OBD-CAD	4.39	1.30	1.22
14	H	822	CLA	CHD-C1D	4.38	1.47	1.38
14	Z	828	CLA	CHC-C1C	4.38	1.47	1.38
17	I	102	BCR	C10-C9	-4.38	1.25	1.35
14	G	829	CLA	C3C-C2C	4.38	1.46	1.36
14	Y	811	CLA	C3C-C2C	4.38	1.46	1.36
14	B	828	CLA	CHD-C1D	4.38	1.47	1.38
14	Z	824	CLA	CHC-C4B	4.38	1.49	1.39
14	H	821	CLA	CHC-C1C	4.38	1.47	1.38
14	H	851	CLA	C3C-C2C	4.38	1.46	1.36
14	A	835	CLA	CHD-C1D	4.38	1.47	1.38
14	H	807	CLA	O2D-CGD	4.38	1.44	1.33
14	h	206	CLA	O2D-CGD	4.38	1.44	1.33
14	Z	812	CLA	CHC-C1C	4.37	1.47	1.38
14	H	814	CLA	C3C-C2C	4.37	1.46	1.36
14	H	839	CLA	OBD-CAD	4.37	1.30	1.22
14	H	805	CLA	C3D-C4D	-4.37	1.34	1.44
14	Y	826	CLA	C3D-C4D	-4.37	1.34	1.44
14	A	816	CLA	CHC-C4B	4.37	1.49	1.39
14	Y	811	CLA	CHC-C4B	4.37	1.49	1.39
14	H	828	CLA	CHC-C1C	4.37	1.47	1.38
17	A	850	BCR	C10-C9	-4.37	1.25	1.35
14	B	806	CLA	CHD-C1D	4.37	1.46	1.38
13	A	801	CL0	C1D-ND	-4.37	1.32	1.37
14	B	818	CLA	C3D-C4D	-4.37	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	817	CLA	C3D-C4D	-4.37	1.34	1.44
14	Y	812	CLA	C3C-C2C	4.37	1.46	1.36
14	A	835	CLA	C3D-C4D	-4.37	1.34	1.44
14	h	204	CLA	CHD-C1D	4.37	1.46	1.38
14	A	808	CLA	C3D-C4D	-4.37	1.34	1.44
14	B	835	CLA	C3C-C2C	4.37	1.46	1.36
14	Z	824	CLA	C3C-C2C	4.37	1.46	1.36
14	Z	818	CLA	C3D-C4D	-4.36	1.34	1.44
14	A	818	CLA	C3D-C4D	-4.36	1.34	1.44
14	Y	813	CLA	C3D-C4D	-4.36	1.34	1.44
14	G	816	CLA	C3C-C2C	4.36	1.46	1.36
14	G	811	CLA	C3D-C4D	-4.36	1.34	1.44
14	H	809	CLA	CHD-C1D	4.36	1.46	1.38
14	Z	832	CLA	C3D-C4D	-4.36	1.34	1.44
14	Y	841	CLA	CHC-C1C	4.36	1.47	1.38
14	G	809	CLA	OBD-CAD	4.36	1.30	1.22
14	U	1004	CLA	C3C-C2C	4.36	1.46	1.36
14	B	801	CLA	CHD-C1D	4.36	1.46	1.38
14	G	823	CLA	C3D-C4D	-4.36	1.34	1.44
14	B	804	CLA	O2D-CGD	4.36	1.43	1.33
14	A	816	CLA	CHD-C1D	4.36	1.46	1.38
14	A	819	CLA	C3C-C2C	4.36	1.46	1.36
14	B	831	CLA	C3C-C2C	4.36	1.46	1.36
14	Z	805	CLA	C3D-C4D	-4.36	1.34	1.44
14	H	806	CLA	C3D-C4D	-4.36	1.34	1.44
14	G	842	CLA	CHD-C4C	4.35	1.49	1.39
14	Y	838	CLA	CHD-C4C	4.35	1.49	1.39
14	Y	823	CLA	C3C-C2C	4.35	1.46	1.36
14	A	828	CLA	CHC-C4B	4.35	1.49	1.39
14	U	1002	CLA	O2D-CGD	4.35	1.43	1.33
14	H	828	CLA	CHD-C1D	4.35	1.46	1.38
13	Y	801	CL0	C3C-C2C	4.35	1.46	1.36
14	H	801	CLA	CHC-C4B	4.35	1.49	1.39
14	Y	826	CLA	C3C-C2C	4.35	1.46	1.36
14	H	838	CLA	C3C-C2C	4.35	1.46	1.36
14	L	204	CLA	CHD-C4C	4.35	1.49	1.39
14	Y	810	CLA	CHD-C1D	4.35	1.46	1.38
14	B	827	CLA	CHD-C4C	4.35	1.49	1.39
14	Z	829	CLA	CHD-C1D	4.35	1.46	1.38
14	A	824	CLA	C3D-C4D	-4.35	1.34	1.44
14	H	823	CLA	CHB-C1B	4.35	1.49	1.39
14	A	819	CLA	C3D-C4D	-4.35	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	830	CLA	CHC-C1C	4.35	1.47	1.38
14	T	101	CLA	C3C-C2C	4.35	1.46	1.36
14	Y	824	CLA	C3D-C4D	-4.34	1.34	1.44
14	H	818	CLA	CHD-C4C	4.34	1.49	1.39
14	Z	830	CLA	O2D-CGD	4.34	1.43	1.33
14	Z	821	CLA	CHD-C1D	4.34	1.46	1.38
14	A	818	CLA	C3C-C2C	4.34	1.46	1.36
14	A	815	CLA	O2D-CGD	4.34	1.43	1.33
17	Z	848	BCR	C10-C9	-4.34	1.25	1.35
14	A	841	CLA	CHD-C1D	4.34	1.46	1.38
14	G	852	CLA	C3C-C2C	4.34	1.46	1.36
14	B	814	CLA	C3D-C4D	-4.34	1.34	1.44
14	Z	838	CLA	OBD-CAD	4.34	1.30	1.22
14	H	813	CLA	OBD-CAD	4.34	1.29	1.22
14	Z	835	CLA	CHD-C4C	4.34	1.49	1.39
14	S	1101	CLA	CHD-C4C	4.34	1.49	1.39
14	A	825	CLA	CHD-C1D	4.34	1.46	1.38
14	Z	804	CLA	C3D-C4D	-4.34	1.34	1.44
17	H	844	BCR	C10-C9	-4.34	1.25	1.35
14	A	840	CLA	CHB-C1B	4.33	1.49	1.39
14	Y	806	CLA	OBD-CAD	4.33	1.29	1.22
14	G	815	CLA	CHC-C4B	4.33	1.49	1.39
14	Z	807	CLA	CHB-C1B	4.33	1.49	1.39
14	B	822	CLA	CHD-C4C	4.33	1.49	1.39
14	B	824	CLA	C3C-C2C	4.33	1.46	1.36
14	Z	831	CLA	C3D-C4D	-4.33	1.34	1.44
14	Z	817	CLA	C3D-C4D	-4.33	1.34	1.44
17	H	842	BCR	C10-C9	-4.33	1.25	1.35
14	G	822	CLA	CHC-C1C	4.33	1.47	1.38
14	L	202	CLA	CHC-C1C	4.33	1.47	1.38
14	B	830	CLA	C3C-C2C	4.33	1.46	1.36
14	B	833	CLA	C3C-C2C	4.33	1.46	1.36
14	d	201	CLA	CHD-C1D	4.33	1.46	1.38
13	Y	801	CL0	C3D-C4D	-4.32	1.34	1.44
14	H	822	CLA	C3D-C4D	-4.32	1.34	1.44
14	Z	819	CLA	CHD-C4C	4.32	1.49	1.39
14	G	816	CLA	C3D-C4D	-4.32	1.34	1.44
14	B	814	CLA	CHB-C1B	4.32	1.49	1.39
14	G	840	CLA	CHC-C4B	4.32	1.49	1.39
14	A	828	CLA	C3C-C2C	4.32	1.46	1.36
14	Z	836	CLA	C3C-C2C	4.32	1.46	1.36
14	B	831	CLA	C3D-C4D	-4.32	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	CHC-C4B	4.32	1.49	1.39
15	Y	842	PQN	C10-C5	4.32	1.47	1.40
14	A	821	CLA	CHD-C1D	4.32	1.46	1.38
14	S	1103	CLA	CHD-C4C	4.32	1.49	1.39
14	A	823	CLA	C3C-C2C	4.32	1.46	1.36
14	A	841	CLA	C3D-C4D	-4.32	1.34	1.44
14	j	102	CLA	OBD-CAD	4.32	1.29	1.22
14	A	806	CLA	CHD-C1D	4.32	1.46	1.38
14	B	815	CLA	CHC-C1C	4.32	1.47	1.38
14	U	1002	CLA	C3C-C2C	4.32	1.46	1.36
14	H	832	CLA	C3C-C2C	4.32	1.46	1.36
14	H	802	CLA	CHC-C4B	4.32	1.49	1.39
14	G	825	CLA	C3D-C4D	-4.32	1.34	1.44
14	H	805	CLA	C3C-C2C	4.32	1.46	1.36
14	H	830	CLA	C3D-C4D	-4.32	1.34	1.44
14	S	1103	CLA	C3D-C4D	-4.32	1.34	1.44
14	Y	806	CLA	C3D-C4D	-4.32	1.34	1.44
14	H	851	CLA	C3D-C4D	-4.32	1.34	1.44
14	A	809	CLA	CHC-C4B	4.32	1.49	1.39
14	B	820	CLA	OBD-CAD	4.31	1.29	1.22
17	G	849	BCR	C10-C9	-4.31	1.25	1.35
14	G	802	CLA	C3C-C2C	4.31	1.46	1.36
14	H	826	CLA	C3D-C4D	-4.31	1.34	1.44
14	B	820	CLA	CHD-C4C	4.31	1.49	1.39
14	Y	819	CLA	OBD-CAD	4.31	1.29	1.22
14	H	822	CLA	CHC-C4B	4.31	1.49	1.39
14	B	818	CLA	OBD-CAD	4.31	1.29	1.22
14	H	830	CLA	O2D-CGD	4.31	1.43	1.33
14	A	826	CLA	C3D-C4D	-4.31	1.34	1.44
14	Q	202	CLA	C3C-C2C	4.31	1.46	1.36
14	Y	820	CLA	CHD-C1D	4.31	1.46	1.38
14	B	801	CLA	C3D-C4D	-4.31	1.34	1.44
14	Z	839	CLA	C3D-C4D	-4.31	1.34	1.44
14	B	839	CLA	C3D-C4D	-4.31	1.34	1.44
14	H	822	CLA	C3C-C2C	4.31	1.46	1.36
14	G	808	CLA	CHC-C4B	4.31	1.49	1.39
14	G	836	CLA	CHC-C4B	4.30	1.49	1.39
14	Z	835	CLA	C3C-C2C	4.30	1.46	1.36
14	Z	840	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	802	CLA	CHD-C4C	4.30	1.49	1.39
14	H	834	CLA	CHC-C1C	4.30	1.47	1.38
19	H	848	LMG	O7-C10	4.30	1.46	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	f	101	CLA	OBD-CAD	4.30	1.29	1.22
14	H	825	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	840	CLA	C3D-C4D	-4.30	1.34	1.44
14	A	843	CLA	OBD-CAD	4.30	1.29	1.22
17	Z	843	BCR	C10-C9	-4.30	1.25	1.35
14	B	808	CLA	C3D-C4D	-4.30	1.34	1.44
14	Z	838	CLA	C3D-C4D	-4.30	1.34	1.44
14	f	102	CLA	CHC-C4B	4.30	1.49	1.39
14	Y	803	CLA	C3C-C2C	4.30	1.46	1.36
14	A	837	CLA	O2D-CGD	4.30	1.43	1.33
14	G	827	CLA	C3D-C4D	-4.30	1.34	1.44
14	Y	837	CLA	CHC-C4B	4.30	1.49	1.39
14	G	852	CLA	C3D-C4D	-4.30	1.34	1.44
18	j	101	LHG	O7-C7	4.30	1.46	1.34
14	A	802	CLA	C3D-C4D	-4.30	1.34	1.44
14	H	823	CLA	C3D-C4D	-4.30	1.34	1.44
14	G	813	CLA	CHD-C1D	4.29	1.46	1.38
14	A	827	CLA	C1D-ND	-4.29	1.32	1.37
14	G	834	CLA	C3D-C4D	-4.29	1.34	1.44
18	H	849	LHG	O8-C23	4.29	1.45	1.33
14	H	827	CLA	CHD-C1D	4.29	1.46	1.38
14	Y	821	CLA	C3D-C4D	-4.29	1.34	1.44
14	G	825	CLA	C3C-C2C	4.29	1.46	1.36
14	G	817	CLA	C3C-C2C	4.29	1.46	1.36
14	G	805	CLA	C3D-C4D	-4.29	1.34	1.44
14	Y	839	CLA	C3C-C2C	4.29	1.46	1.36
14	f	101	CLA	CHC-C4B	4.29	1.49	1.39
14	Z	834	CLA	C3D-C4D	-4.29	1.34	1.44
18	A	852	LHG	O7-C7	4.29	1.46	1.34
14	B	807	CLA	C3C-C2C	4.29	1.46	1.36
14	A	826	CLA	CHD-C4C	4.29	1.49	1.39
14	Y	823	CLA	C3D-C4D	-4.29	1.34	1.44
14	H	830	CLA	CHC-C4B	4.29	1.49	1.39
14	G	802	CLA	CHD-C1D	4.29	1.46	1.38
14	B	823	CLA	C3D-C4D	-4.29	1.34	1.44
14	Z	825	CLA	C3D-C4D	-4.29	1.34	1.44
14	B	840	CLA	CHD-C4C	4.29	1.49	1.39
14	G	820	CLA	C3C-C2C	4.28	1.46	1.36
14	U	1006	CLA	C3C-C2C	4.28	1.46	1.36
14	Y	833	CLA	CHD-C4C	4.28	1.49	1.39
14	d	202	CLA	CHC-C4B	4.28	1.49	1.39
14	B	830	CLA	C3D-C4D	-4.28	1.34	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	d	202	CLA	C3C-C2C	4.28	1.46	1.36
14	Y	804	CLA	C3C-C2C	4.28	1.46	1.36
14	Y	820	CLA	C3D-C4D	-4.28	1.34	1.44
14	d	202	CLA	CHB-C1B	4.28	1.49	1.39
14	Z	802	CLA	OBD-CAD	4.28	1.29	1.22
14	H	811	CLA	CHC-C4B	4.28	1.49	1.39
14	H	820	CLA	CHB-C1B	4.27	1.49	1.39
14	Y	840	CLA	CHD-C1D	4.27	1.46	1.38
14	W	1701	CLA	C3D-C4D	-4.27	1.34	1.44
14	T	103	CLA	C3C-C2C	4.27	1.46	1.36
14	A	839	CLA	C1D-ND	-4.27	1.32	1.37
14	T	101	CLA	CHC-C4B	4.27	1.49	1.39
18	j	101	LHG	O8-C23	4.27	1.45	1.33
14	H	829	CLA	C3C-C2C	4.27	1.46	1.36
14	Z	833	CLA	C3D-C4D	-4.27	1.34	1.44
14	A	831	CLA	C3D-C4D	-4.27	1.34	1.44
14	G	824	CLA	CHB-C1B	4.27	1.49	1.39
14	d	202	CLA	C3D-C4D	-4.26	1.34	1.44
14	A	839	CLA	CHD-C1D	4.26	1.46	1.38
14	B	812	CLA	CHD-C1D	4.26	1.46	1.38
14	Y	831	CLA	CHC-C4B	4.26	1.49	1.39
14	G	803	CLA	C3C-C2C	4.26	1.46	1.36
14	B	834	CLA	C3D-C4D	-4.26	1.34	1.44
14	Z	832	CLA	CHC-C1C	4.26	1.47	1.38
14	Z	833	CLA	OBD-CAD	4.26	1.29	1.22
14	Y	835	CLA	CHB-C1B	4.26	1.49	1.39
14	A	842	CLA	O2D-CGD	4.26	1.43	1.33
14	J	101	CLA	CHD-C1D	4.26	1.46	1.38
14	G	805	CLA	CHC-C4B	4.26	1.49	1.39
14	H	833	CLA	C3D-C4D	-4.26	1.34	1.44
14	Y	804	CLA	OBD-CAD	4.26	1.29	1.22
14	Z	841	CLA	CHD-C1D	4.25	1.46	1.38
14	Z	809	CLA	CHC-C1C	4.25	1.47	1.38
14	A	807	CLA	C3C-C2C	4.25	1.45	1.36
14	H	837	CLA	C3D-C4D	-4.25	1.34	1.44
14	h	201	CLA	CHC-C1C	4.25	1.47	1.38
14	Y	823	CLA	CHC-C4B	4.25	1.48	1.39
17	h	207	BCR	C11-C12	-4.25	1.23	1.34
14	L	204	CLA	C3D-C4D	-4.25	1.34	1.44
14	g	102	CLA	C3D-C4D	-4.25	1.34	1.44
14	G	818	CLA	CHC-C1C	4.25	1.47	1.38
14	H	809	CLA	C1C-NC	-4.25	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	809	CLA	C3D-C4D	-4.25	1.34	1.44
14	L	205	CLA	CHC-C4B	4.25	1.48	1.39
14	Z	816	CLA	CHD-C1D	4.25	1.46	1.38
17	V	101	BCR	C10-C9	-4.25	1.26	1.35
14	A	809	CLA	C3C-C2C	4.25	1.45	1.36
14	B	810	CLA	C3D-C4D	-4.24	1.34	1.44
14	A	818	CLA	CHC-C4B	4.24	1.48	1.39
14	G	812	CLA	CHC-C4B	4.24	1.48	1.39
14	G	830	CLA	CHB-C1B	4.24	1.48	1.39
14	Y	833	CLA	CHC-C4B	4.24	1.48	1.39
14	Z	825	CLA	C3C-C2C	4.24	1.45	1.36
14	X	1701	CLA	CHB-C1B	4.24	1.48	1.39
14	Y	840	CLA	CHC-C4B	4.24	1.48	1.39
14	H	837	CLA	C3C-C2C	4.24	1.45	1.36
14	G	818	CLA	CHB-C1B	4.24	1.48	1.39
14	Y	802	CLA	OBD-CAD	4.24	1.29	1.22
14	A	811	CLA	CHC-C1C	4.24	1.47	1.38
14	B	818	CLA	CHD-C1D	4.24	1.46	1.38
14	G	806	CLA	CHC-C4B	4.24	1.48	1.39
14	A	812	CLA	C3D-C4D	-4.24	1.34	1.44
14	G	838	CLA	C3C-C2C	4.24	1.45	1.36
14	Z	832	CLA	C3C-C2C	4.24	1.45	1.36
14	H	833	CLA	C3C-C2C	4.24	1.45	1.36
14	G	823	CLA	OBD-CAD	4.24	1.29	1.22
14	S	1102	CLA	CHC-C4B	4.24	1.48	1.39
14	Z	822	CLA	CHC-C4B	4.23	1.48	1.39
14	A	805	CLA	CHD-C1D	4.23	1.46	1.38
14	B	810	CLA	CHD-C1D	4.23	1.46	1.38
14	Y	810	CLA	CHB-C1B	4.23	1.48	1.39
14	B	822	CLA	OBD-CAD	4.23	1.29	1.22
14	Z	802	CLA	O2D-CGD	4.23	1.43	1.33
14	G	831	CLA	C3D-C4D	-4.23	1.34	1.44
14	A	807	CLA	CHC-C4B	4.23	1.48	1.39
14	Y	828	CLA	C3D-C4D	-4.23	1.34	1.44
14	Z	837	CLA	CHC-C4B	4.23	1.48	1.39
14	Y	816	CLA	C3D-C4D	-4.23	1.34	1.44
14	B	810	CLA	C3C-C2C	4.23	1.45	1.36
17	B	842	BCR	C10-C9	-4.23	1.26	1.35
14	G	810	CLA	CHD-C4C	4.23	1.48	1.39
14	A	820	CLA	C3D-C4D	-4.23	1.34	1.44
14	G	828	CLA	CHC-C4B	4.23	1.48	1.39
14	H	820	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	827	CLA	CHD-C1D	4.23	1.46	1.38
14	B	815	CLA	C3D-C4D	-4.22	1.34	1.44
14	H	825	CLA	CHC-C4B	4.22	1.48	1.39
14	H	804	CLA	C3C-C2C	4.22	1.45	1.36
17	M	101	BCR	C10-C9	-4.22	1.26	1.35
18	A	852	LHG	O8-C23	4.22	1.45	1.33
17	F	201	BCR	C10-C9	-4.22	1.26	1.35
14	j	102	CLA	CHD-C4C	4.22	1.48	1.39
14	Y	836	CLA	CHC-C4B	4.22	1.48	1.39
14	S	1102	CLA	C3D-C4D	-4.22	1.34	1.44
14	h	201	CLA	C3D-C4D	-4.22	1.34	1.44
14	B	814	CLA	CHC-C4B	4.22	1.48	1.39
14	H	815	CLA	CHC-C4B	4.22	1.48	1.39
14	H	810	CLA	C3D-C4D	-4.22	1.34	1.44
14	H	813	CLA	C3C-C2C	4.22	1.45	1.36
14	Z	813	CLA	CHD-C4C	4.22	1.48	1.39
14	H	807	CLA	C3D-C4D	-4.22	1.34	1.44
14	A	820	CLA	CHD-C4C	4.22	1.48	1.39
14	A	817	CLA	CHB-C1B	4.22	1.48	1.39
14	H	819	CLA	C3D-C4D	-4.22	1.34	1.44
14	Y	809	CLA	C3D-C4D	-4.22	1.34	1.44
14	A	843	CLA	CHB-C1B	4.22	1.48	1.39
14	Z	826	CLA	C3D-C4D	-4.22	1.34	1.44
14	Z	827	CLA	CHD-C1D	4.22	1.46	1.38
14	A	813	CLA	C3D-C4D	-4.22	1.34	1.44
14	A	823	CLA	CHC-C1C	4.22	1.46	1.38
14	A	808	CLA	CHC-C1C	4.22	1.46	1.38
14	Z	839	CLA	CHC-C1C	4.22	1.46	1.38
14	Z	817	CLA	CHC-C4B	4.22	1.48	1.39
14	H	809	CLA	CHD-C4C	4.22	1.48	1.39
14	Y	823	CLA	OBD-CAD	4.22	1.29	1.22
18	A	853	LHG	O8-C23	4.21	1.45	1.33
14	H	811	CLA	CHD-C1D	4.21	1.46	1.38
14	Y	809	CLA	C3C-C2C	4.21	1.45	1.36
14	A	840	CLA	C3D-C4D	-4.21	1.34	1.44
14	B	836	CLA	C3D-C4D	-4.21	1.34	1.44
14	Z	829	CLA	OBD-CAD	4.21	1.29	1.22
14	Z	802	CLA	C3C-C2C	4.21	1.45	1.36
14	Y	835	CLA	CHD-C1D	4.21	1.46	1.38
14	B	805	CLA	CHC-C1C	4.21	1.46	1.38
14	H	834	CLA	CHB-C1B	4.21	1.48	1.39
14	L	206	CLA	OBD-CAD	4.21	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	817	CLA	CHD-C4C	4.21	1.48	1.39
14	d	201	CLA	C3C-C2C	4.21	1.45	1.36
17	Y	849	BCR	C11-C12	-4.21	1.23	1.34
14	H	803	CLA	C3C-C2C	4.21	1.45	1.36
14	h	205	CLA	C3D-C4D	-4.21	1.34	1.44
14	Z	813	CLA	OBD-CAD	4.21	1.29	1.22
14	B	828	CLA	C4B-NB	-4.21	1.32	1.37
14	Y	813	CLA	CHD-C1D	4.21	1.46	1.38
14	U	1003	CLA	C1D-ND	-4.21	1.32	1.37
14	H	811	CLA	CHD-C4C	4.20	1.48	1.39
14	B	806	CLA	C3C-C2C	4.20	1.45	1.36
14	A	828	CLA	CHD-C1D	4.20	1.46	1.38
14	Z	803	CLA	CHD-C1D	4.20	1.46	1.38
14	B	831	CLA	CHB-C1B	4.20	1.48	1.39
14	Y	816	CLA	CHC-C4B	4.20	1.48	1.39
14	L	205	CLA	C3D-C4D	-4.20	1.34	1.44
14	G	808	CLA	C3C-C2C	4.20	1.45	1.36
14	G	813	CLA	CHD-C4C	4.20	1.48	1.39
14	G	820	CLA	CHD-C1D	4.20	1.46	1.38
14	A	817	CLA	CHD-C4C	4.20	1.48	1.39
17	H	843	BCR	C11-C12	-4.20	1.23	1.34
14	B	839	CLA	CHD-C1D	4.20	1.46	1.38
14	U	1006	CLA	CHD-C1D	4.20	1.46	1.38
14	Y	832	CLA	CHD-C1D	4.20	1.46	1.38
17	G	847	BCR	C10-C9	-4.20	1.26	1.35
14	Y	833	CLA	OBD-CAD	4.20	1.29	1.22
14	G	837	CLA	C3D-C4D	-4.20	1.34	1.44
14	j	102	CLA	CHB-C1B	4.20	1.48	1.39
14	H	837	CLA	CHC-C4B	4.20	1.48	1.39
14	Y	828	CLA	CHC-C4B	4.19	1.48	1.39
14	A	817	CLA	C3D-C4D	-4.19	1.34	1.44
14	G	828	CLA	C3D-C4D	-4.19	1.34	1.44
14	U	1003	CLA	C1B-NB	-4.19	1.32	1.37
14	Y	840	CLA	C1D-ND	-4.19	1.32	1.37
14	Z	825	CLA	CHC-C4B	4.19	1.48	1.39
14	H	819	CLA	CHD-C1D	4.19	1.46	1.38
14	H	832	CLA	CHB-C1B	4.19	1.48	1.39
14	B	802	CLA	CHD-C4C	4.19	1.48	1.39
14	A	804	CLA	CHD-C4C	4.19	1.48	1.39
14	A	813	CLA	CHD-C4C	4.19	1.48	1.39
14	Z	834	CLA	C3C-C2C	4.19	1.45	1.36
14	A	822	CLA	CHD-C4C	4.19	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	808	CLA	C3D-C4D	-4.19	1.34	1.44
14	H	840	CLA	CHB-C1B	4.19	1.48	1.39
14	Y	823	CLA	CHD-C4C	4.19	1.48	1.39
14	Z	840	CLA	C3C-C2C	4.19	1.45	1.36
14	A	836	CLA	CHD-C1D	4.18	1.46	1.38
14	L	202	CLA	CHD-C1D	4.18	1.46	1.38
14	H	834	CLA	C3D-C4D	-4.18	1.34	1.44
14	A	843	CLA	C3C-C2C	4.18	1.45	1.36
14	Z	802	CLA	CHD-C1D	4.18	1.46	1.38
14	U	1007	CLA	C3C-C2C	4.18	1.45	1.36
14	U	1006	CLA	C3D-C4D	-4.18	1.34	1.44
14	Z	812	CLA	C3D-C4D	-4.18	1.34	1.44
14	J	102	CLA	C3C-C2C	4.18	1.45	1.36
14	G	815	CLA	C3D-C4D	-4.18	1.34	1.44
14	J	101	CLA	C3D-C4D	-4.18	1.34	1.44
14	A	837	CLA	CHC-C4B	4.18	1.48	1.39
13	G	801	CL0	OBD-CAD	4.18	1.29	1.22
14	Z	824	CLA	C3D-C4D	-4.18	1.34	1.44
14	B	838	CLA	C3C-C2C	4.18	1.45	1.36
14	U	1006	CLA	CHB-C1B	4.18	1.48	1.39
14	d	201	CLA	CHC-C4B	4.18	1.48	1.39
14	Y	803	CLA	C3D-C4D	-4.18	1.34	1.44
14	H	836	CLA	CHB-C1B	4.18	1.48	1.39
14	G	825	CLA	CHD-C4C	4.18	1.48	1.39
14	B	824	CLA	CHC-C4B	4.17	1.48	1.39
14	Z	830	CLA	C1D-ND	-4.17	1.32	1.37
14	G	819	CLA	C3D-C4D	-4.17	1.34	1.44
14	G	833	CLA	C3D-C4D	-4.17	1.34	1.44
14	H	804	CLA	OBD-CAD	4.17	1.29	1.22
14	Z	822	CLA	C3C-C2C	4.17	1.45	1.36
14	Z	839	CLA	C3C-C2C	4.17	1.45	1.36
14	Z	822	CLA	OBD-CAD	4.17	1.29	1.22
14	Y	802	CLA	C4B-NB	-4.17	1.32	1.37
14	Z	837	CLA	CHD-C1D	4.17	1.46	1.38
14	G	809	CLA	C3D-C4D	-4.17	1.34	1.44
14	h	204	CLA	CHD-C4C	4.17	1.48	1.39
14	G	826	CLA	C3C-C2C	4.17	1.45	1.36
14	B	801	CLA	C3C-C2C	4.17	1.45	1.36
14	Y	839	CLA	CHD-C1D	4.17	1.46	1.38
14	G	832	CLA	C3C-C2C	4.17	1.45	1.36
14	B	811	CLA	C3D-C4D	-4.16	1.34	1.44
14	Z	828	CLA	OBD-CAD	4.16	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	804	CLA	CHD-C4C	4.16	1.48	1.39
14	H	805	CLA	CHB-C1B	4.16	1.48	1.39
14	H	824	CLA	C3D-C4D	-4.16	1.34	1.44
14	G	829	CLA	CHD-C4C	4.16	1.48	1.39
14	B	832	CLA	CHD-C1D	4.16	1.46	1.38
14	Z	803	CLA	CHC-C4B	4.16	1.48	1.39
14	Y	804	CLA	C3D-C4D	-4.16	1.34	1.44
14	G	805	CLA	CHB-C1B	4.16	1.48	1.39
14	f	102	CLA	C3D-C4D	-4.16	1.34	1.44
14	B	815	CLA	OBD-CAD	4.16	1.29	1.22
14	T	103	CLA	C3D-C4D	-4.16	1.34	1.44
14	Y	814	CLA	C3D-C4D	-4.15	1.34	1.44
14	G	804	CLA	C3C-C2C	4.15	1.45	1.36
14	X	1701	CLA	CHC-C4B	4.15	1.48	1.39
14	U	1003	CLA	C3D-C4D	-4.15	1.34	1.44
14	G	804	CLA	C3D-C4D	-4.15	1.34	1.44
14	G	809	CLA	CHD-C1D	4.15	1.46	1.38
14	Z	831	CLA	C3C-C2C	4.15	1.45	1.36
14	H	814	CLA	C3D-C4D	-4.15	1.34	1.44
14	Z	822	CLA	C3D-C4D	-4.15	1.34	1.44
14	H	818	CLA	C3D-C4D	-4.15	1.34	1.44
14	B	813	CLA	C3D-C4D	-4.15	1.34	1.44
14	Y	805	CLA	C3D-C4D	-4.15	1.34	1.44
14	B	825	CLA	C3D-C4D	-4.15	1.34	1.44
14	A	812	CLA	C3C-C2C	4.15	1.45	1.36
14	Z	808	CLA	OBD-CAD	4.15	1.29	1.22
14	A	828	CLA	C3D-C4D	-4.15	1.34	1.44
18	H	849	LHG	O7-C7	4.15	1.46	1.34
14	A	823	CLA	C3D-C4D	-4.15	1.34	1.44
14	B	825	CLA	CHB-C1B	4.15	1.48	1.39
14	A	812	CLA	CHD-C4C	4.15	1.48	1.39
14	B	805	CLA	CHD-C4C	4.15	1.48	1.39
17	B	844	BCR	C10-C9	-4.15	1.26	1.35
14	H	804	CLA	CHD-C4C	4.15	1.48	1.39
14	H	808	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	818	CLA	C3C-C2C	4.14	1.45	1.36
14	H	831	CLA	C3D-C4D	-4.14	1.34	1.44
14	B	814	CLA	CHD-C1D	4.14	1.46	1.38
14	U	1004	CLA	CHD-C1D	4.14	1.46	1.38
14	A	843	CLA	C3D-C4D	-4.14	1.34	1.44
14	h	205	CLA	CHC-C1C	4.14	1.46	1.38
14	Y	811	CLA	CHD-C4C	4.14	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	824	CLA	CHD-C1D	4.14	1.46	1.38
14	A	827	CLA	C3D-C4D	-4.14	1.34	1.44
14	G	826	CLA	C3D-C4D	-4.14	1.34	1.44
14	Z	817	CLA	CHD-C1D	4.14	1.46	1.38
14	Z	805	CLA	O2D-CGD	4.14	1.43	1.33
14	G	831	CLA	O2D-CGD	4.14	1.43	1.33
14	Z	823	CLA	C3D-C4D	-4.14	1.34	1.44
14	B	827	CLA	CHC-C4B	4.14	1.48	1.39
14	G	816	CLA	CHB-C1B	4.14	1.48	1.39
14	G	828	CLA	C3C-C2C	4.14	1.45	1.36
14	B	827	CLA	C3D-C4D	-4.13	1.34	1.44
14	Y	823	CLA	CHB-C1B	4.13	1.48	1.39
14	G	827	CLA	C1D-ND	-4.13	1.32	1.37
14	A	835	CLA	OBD-CAD	4.13	1.29	1.22
14	W	1701	CLA	OBD-CAD	4.13	1.29	1.22
14	Z	810	CLA	OBD-CAD	4.13	1.29	1.22
14	Y	812	CLA	CHD-C4C	4.13	1.48	1.39
14	H	811	CLA	C3C-C2C	4.13	1.45	1.36
14	L	206	CLA	C3C-C2C	4.13	1.45	1.36
14	A	827	CLA	OBD-CAD	4.13	1.29	1.22
14	Z	810	CLA	CHB-C1B	4.13	1.48	1.39
14	Y	807	CLA	CHC-C4B	4.13	1.48	1.39
14	G	824	CLA	C3D-C4D	-4.13	1.34	1.44
14	A	815	CLA	OBD-CAD	4.13	1.29	1.22
14	B	827	CLA	OBD-CAD	4.13	1.29	1.22
14	Y	802	CLA	C3C-C2C	4.13	1.45	1.36
14	A	820	CLA	CHC-C4B	4.13	1.48	1.39
14	f	102	CLA	OBD-CAD	4.13	1.29	1.22
14	Y	838	CLA	OBD-CAD	4.13	1.29	1.22
14	B	819	CLA	CHC-C4B	4.13	1.48	1.39
14	A	817	CLA	CHC-C4B	4.13	1.48	1.39
14	G	840	CLA	CHD-C1D	4.13	1.46	1.38
14	A	812	CLA	CHC-C1C	4.12	1.46	1.38
14	A	832	CLA	CHC-C4B	4.12	1.48	1.39
14	G	812	CLA	CHB-C1B	4.12	1.48	1.39
14	G	813	CLA	C3C-C2C	4.12	1.45	1.36
14	J	101	CLA	CHB-C1B	4.12	1.48	1.39
14	G	834	CLA	CHC-C4B	4.12	1.48	1.39
14	Z	808	CLA	C1D-ND	-4.12	1.32	1.37
14	Y	804	CLA	CHC-C4B	4.12	1.48	1.39
14	H	820	CLA	OBD-CAD	4.12	1.29	1.22
14	Z	820	CLA	CHD-C1D	4.12	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	815	CLA	CHD-C4C	4.12	1.48	1.39
14	Y	803	CLA	OBD-CAD	4.12	1.29	1.22
14	G	840	CLA	C3D-C4D	-4.12	1.34	1.44
14	A	839	CLA	C3C-C2C	4.12	1.45	1.36
14	H	821	CLA	CHB-C1B	4.12	1.48	1.39
14	A	838	CLA	C3C-C2C	4.12	1.45	1.36
14	Y	825	CLA	C3C-C2C	4.12	1.45	1.36
14	Y	835	CLA	C3D-C4D	-4.12	1.34	1.44
14	G	815	CLA	OBD-CAD	4.12	1.29	1.22
14	H	826	CLA	C3C-C2C	4.12	1.45	1.36
14	Z	812	CLA	CHD-C4C	4.12	1.48	1.39
14	G	825	CLA	OBD-CAD	4.12	1.29	1.22
14	B	822	CLA	CHC-C4B	4.11	1.48	1.39
14	G	835	CLA	CHD-C4C	4.11	1.48	1.39
14	B	817	CLA	CHB-C1B	4.11	1.48	1.39
14	H	831	CLA	CHB-C1B	4.11	1.48	1.39
14	B	831	CLA	CHD-C4C	4.11	1.48	1.39
14	K	102	CLA	C3D-C4D	-4.11	1.34	1.44
18	G	851	LHG	O8-C23	4.11	1.45	1.33
14	H	835	CLA	C3C-C2C	4.11	1.45	1.36
14	Z	816	CLA	OBD-CAD	4.11	1.29	1.22
14	Z	806	CLA	CHC-C1C	4.11	1.46	1.38
14	A	805	CLA	C3D-C4D	-4.11	1.34	1.44
14	G	822	CLA	C3D-C4D	-4.11	1.34	1.44
14	A	835	CLA	CHD-C4C	4.10	1.48	1.39
14	Y	841	CLA	C3C-C2C	4.10	1.45	1.36
14	A	830	CLA	C1B-NB	-4.10	1.32	1.37
14	Z	836	CLA	CHD-C1D	4.10	1.46	1.38
14	Y	813	CLA	C3C-C2C	4.10	1.45	1.36
14	S	1101	CLA	C3C-C2C	4.10	1.45	1.36
14	G	802	CLA	C3D-C4D	-4.10	1.35	1.44
14	G	812	CLA	CHD-C4C	4.10	1.48	1.39
14	B	825	CLA	CHC-C4B	4.10	1.48	1.39
14	Y	825	CLA	C3D-C4D	-4.10	1.35	1.44
14	G	841	CLA	CHB-C1B	4.10	1.48	1.39
14	G	817	CLA	CHB-C1B	4.10	1.48	1.39
14	A	837	CLA	CHB-C1B	4.10	1.48	1.39
14	H	838	CLA	CHB-C1B	4.10	1.48	1.39
14	G	815	CLA	CHD-C4C	4.10	1.48	1.39
14	A	833	CLA	CHC-C4B	4.10	1.48	1.39
14	B	803	CLA	CHB-C1B	4.10	1.48	1.39
14	A	826	CLA	CHC-C1C	4.10	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	817	CLA	C3D-C4D	-4.10	1.35	1.44
14	B	810	CLA	CHC-C4B	4.10	1.48	1.39
14	H	817	CLA	C3D-C4D	-4.10	1.35	1.44
14	Y	807	CLA	C3D-C4D	-4.10	1.35	1.44
14	B	822	CLA	C3D-C4D	-4.10	1.35	1.44
14	A	843	CLA	CHD-C1D	4.10	1.46	1.38
14	Z	805	CLA	CHC-C1C	4.10	1.46	1.38
14	Y	803	CLA	CHB-C1B	4.10	1.48	1.39
14	H	816	CLA	C3C-C2C	4.09	1.45	1.36
14	A	854	CLA	CHC-C4B	4.09	1.48	1.39
14	B	820	CLA	CHB-C1B	4.09	1.48	1.39
14	U	1004	CLA	CHC-C1C	4.09	1.46	1.38
14	H	811	CLA	C3D-C4D	-4.09	1.35	1.44
14	Z	801	CLA	CHD-C1D	4.09	1.46	1.38
14	Y	837	CLA	CHD-C4C	4.09	1.48	1.39
14	B	813	CLA	OBD-CAD	4.09	1.29	1.22
14	B	826	CLA	CHC-C4B	4.09	1.48	1.39
14	Y	822	CLA	C3D-C4D	-4.09	1.35	1.44
14	B	835	CLA	CHC-C4B	4.09	1.48	1.39
14	B	833	CLA	CHC-C4B	4.09	1.48	1.39
14	h	206	CLA	CHD-C4C	4.09	1.48	1.39
14	H	838	CLA	CHD-C4C	4.09	1.48	1.39
14	Y	815	CLA	CHD-C4C	4.09	1.48	1.39
14	A	830	CLA	CHD-C4C	4.09	1.48	1.39
14	H	810	CLA	MG-ND	-4.09	1.97	2.05
14	Y	808	CLA	CHC-C4B	4.09	1.48	1.39
14	H	831	CLA	C3C-C2C	4.09	1.45	1.36
14	A	819	CLA	CHC-C4B	4.09	1.48	1.39
14	B	824	CLA	OBD-CAD	4.08	1.29	1.22
14	A	818	CLA	CHB-C1B	4.08	1.48	1.39
14	G	841	CLA	C1B-NB	-4.08	1.32	1.37
14	A	833	CLA	CHD-C1D	4.08	1.46	1.38
14	T	103	CLA	CHD-C4C	4.08	1.48	1.39
14	W	1701	CLA	CHB-C1B	4.08	1.48	1.39
14	H	835	CLA	CHB-C1B	4.08	1.48	1.39
14	H	802	CLA	OBD-CAD	4.08	1.29	1.22
14	J	102	CLA	C3D-C4D	-4.08	1.35	1.44
14	G	808	CLA	CHD-C1D	4.08	1.46	1.38
14	Z	802	CLA	C3D-C4D	-4.08	1.35	1.44
14	Z	806	CLA	CHD-C4C	4.08	1.48	1.39
14	H	807	CLA	CHD-C1D	4.08	1.46	1.38
14	Y	832	CLA	CHB-C1B	4.08	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	C1D-C2D	4.08	1.53	1.45
14	G	818	CLA	CHD-C1D	4.08	1.46	1.38
14	H	821	CLA	C3D-C4D	-4.08	1.35	1.44
14	B	831	CLA	CHC-C1C	4.08	1.46	1.38
14	B	808	CLA	CHD-C1D	4.08	1.46	1.38
14	G	816	CLA	CHD-C4C	4.07	1.48	1.39
14	Y	809	CLA	CHD-C4C	4.07	1.48	1.39
14	H	821	CLA	OBD-CAD	4.07	1.29	1.22
13	G	801	CL0	C3D-C4D	-4.07	1.35	1.44
14	f	102	CLA	CHD-C4C	4.07	1.48	1.39
14	H	818	CLA	CHC-C4B	4.07	1.48	1.39
14	Y	812	CLA	CHB-C1B	4.07	1.48	1.39
14	Z	825	CLA	CHD-C1D	4.07	1.46	1.38
14	H	833	CLA	CHD-C4C	4.07	1.48	1.39
14	B	831	CLA	CHD-C1D	4.07	1.46	1.38
14	Z	840	CLA	CHD-C1D	4.07	1.46	1.38
14	H	803	CLA	C4B-NB	-4.07	1.32	1.37
14	Y	830	CLA	C3C-C2C	4.07	1.45	1.36
14	Z	830	CLA	CHD-C1D	4.07	1.46	1.38
14	H	801	CLA	C3D-C4D	-4.07	1.35	1.44
14	B	824	CLA	CHD-C4C	4.06	1.48	1.39
14	Y	809	CLA	CHC-C4B	4.06	1.48	1.39
17	U	1008	BCR	C10-C9	-4.06	1.26	1.35
14	Z	801	CLA	C3C-C2C	4.06	1.45	1.36
14	H	831	CLA	CHD-C1D	4.06	1.46	1.38
14	B	832	CLA	C3D-C4D	-4.06	1.35	1.44
14	Y	812	CLA	CHC-C4B	4.06	1.48	1.39
14	A	838	CLA	CHD-C4C	4.06	1.48	1.39
14	Z	809	CLA	CHD-C1D	4.06	1.46	1.38
14	G	837	CLA	CHD-C4C	4.06	1.48	1.39
14	G	839	CLA	OBD-CAD	4.06	1.29	1.22
14	H	819	CLA	OBD-CAD	4.06	1.29	1.22
14	H	801	CLA	CHB-C1B	4.06	1.48	1.39
14	Z	821	CLA	C3D-C4D	-4.06	1.35	1.44
14	A	802	CLA	OBD-CAD	4.06	1.29	1.22
14	G	853	CLA	CHC-C1C	4.06	1.46	1.38
14	K	102	CLA	C3C-C2C	4.06	1.45	1.36
14	Z	802	CLA	CHC-C4B	4.06	1.48	1.39
14	G	810	CLA	CHC-C4B	4.06	1.48	1.39
14	J	101	CLA	CHC-C4B	4.06	1.48	1.39
14	G	824	CLA	C3C-C2C	4.06	1.45	1.36
14	Z	829	CLA	C3D-C4D	-4.06	1.35	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	809	CLA	CHB-C1B	4.06	1.48	1.39
14	H	801	CLA	CHD-C4C	4.06	1.48	1.39
14	G	829	CLA	CHC-C4B	4.05	1.48	1.39
14	H	851	CLA	CHD-C1D	4.05	1.46	1.38
14	H	804	CLA	CHD-C1D	4.05	1.46	1.38
14	Z	833	CLA	CHD-C4C	4.05	1.48	1.39
14	H	815	CLA	OBD-CAD	4.05	1.29	1.22
14	H	817	CLA	OBD-CAD	4.05	1.29	1.22
14	Z	841	CLA	CHD-C4C	4.05	1.48	1.39
14	A	803	CLA	C4B-NB	-4.05	1.32	1.37
14	L	202	CLA	MG-ND	-4.05	1.97	2.05
14	B	816	CLA	C3C-C2C	4.05	1.45	1.36
14	Z	823	CLA	CHD-C4C	4.05	1.48	1.39
14	G	831	CLA	CHC-C4B	4.05	1.48	1.39
14	Z	816	CLA	C3D-C4D	-4.05	1.35	1.44
14	Y	812	CLA	C3D-C4D	-4.05	1.35	1.44
14	G	808	CLA	CHD-C4C	4.05	1.48	1.39
14	Z	839	CLA	CHD-C4C	4.05	1.48	1.39
14	A	829	CLA	CHD-C1D	4.05	1.46	1.38
14	G	830	CLA	C3D-C4D	-4.05	1.35	1.44
14	Y	814	CLA	O2D-CGD	4.05	1.43	1.33
14	A	854	CLA	CHD-C1D	4.05	1.46	1.38
14	H	819	CLA	CHC-C4B	4.04	1.48	1.39
14	G	823	CLA	CHB-C1B	4.04	1.48	1.39
14	Y	807	CLA	CHD-C4C	4.04	1.48	1.39
14	H	803	CLA	C1B-NB	-4.04	1.32	1.37
14	B	828	CLA	C1C-NC	-4.04	1.31	1.37
14	H	839	CLA	C3C-C2C	4.04	1.45	1.36
14	H	824	CLA	CHD-C4C	4.04	1.48	1.39
14	G	802	CLA	CHD-C4C	4.04	1.48	1.39
14	G	814	CLA	C3C-C2C	4.04	1.45	1.36
14	A	802	CLA	CHD-C4C	4.04	1.48	1.39
14	G	830	CLA	CHD-C4C	4.04	1.48	1.39
14	Z	819	CLA	C3D-C4D	-4.04	1.35	1.44
14	Z	811	CLA	C3D-C4D	-4.04	1.35	1.44
14	Z	801	CLA	C3D-C4D	-4.04	1.35	1.44
14	G	832	CLA	CHD-C4C	4.04	1.48	1.39
14	L	206	CLA	C3D-C4D	-4.04	1.35	1.44
14	A	833	CLA	C1B-NB	-4.04	1.32	1.37
13	A	801	CL0	CHD-C1D	4.04	1.46	1.38
14	Z	822	CLA	CHD-C4C	4.03	1.48	1.39
14	G	833	CLA	CHD-C1D	4.03	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	836	CLA	CHB-C1B	4.03	1.48	1.39
14	T	103	CLA	CHB-C1B	4.03	1.48	1.39
14	B	816	CLA	CHC-C4B	4.03	1.48	1.39
14	H	833	CLA	O2D-CGD	4.03	1.43	1.33
14	A	814	CLA	CHD-C4C	4.03	1.48	1.39
14	Y	838	CLA	CHB-C1B	4.03	1.48	1.39
13	A	801	CL0	OBD-CAD	4.03	1.29	1.22
14	A	806	CLA	OBD-CAD	4.03	1.29	1.22
14	K	102	CLA	OBD-CAD	4.03	1.29	1.22
14	B	838	CLA	CHD-C4C	4.03	1.48	1.39
14	G	805	CLA	C3C-C2C	4.03	1.45	1.36
14	H	817	CLA	C3C-C2C	4.03	1.45	1.36
14	H	836	CLA	CHD-C1D	4.03	1.46	1.38
14	B	813	CLA	C3C-C2C	4.03	1.45	1.36
13	Y	801	CL0	CHB-C1B	4.03	1.48	1.39
14	Z	838	CLA	CHC-C4B	4.03	1.48	1.39
14	Z	805	CLA	CHD-C1D	4.03	1.46	1.38
14	B	816	CLA	CHD-C4C	4.03	1.48	1.39
14	H	814	CLA	CHD-C4C	4.03	1.48	1.39
14	B	817	CLA	C3C-C2C	4.03	1.45	1.36
14	B	820	CLA	C3D-C4D	-4.03	1.35	1.44
14	A	811	CLA	CHD-C4C	4.02	1.48	1.39
14	B	810	CLA	OBD-CAD	4.02	1.29	1.22
13	G	801	CL0	C1B-NB	-4.02	1.32	1.37
14	Z	801	CLA	CHC-C4B	4.02	1.48	1.39
14	Y	835	CLA	CHC-C4B	4.02	1.48	1.39
14	A	836	CLA	C3D-C4D	-4.02	1.35	1.44
14	j	102	CLA	C3D-C4D	-4.02	1.35	1.44
14	G	807	CLA	CHC-C4B	4.02	1.48	1.39
14	A	802	CLA	CHC-C1C	4.02	1.46	1.38
14	J	102	CLA	CHD-C4C	4.02	1.48	1.39
14	Y	810	CLA	CHC-C4B	4.02	1.48	1.39
14	A	831	CLA	CHD-C4C	4.02	1.48	1.39
14	Y	834	CLA	C3D-C4D	-4.02	1.35	1.44
17	A	849	BCR	C10-C9	-4.02	1.26	1.35
14	X	1701	CLA	CHD-C4C	4.02	1.48	1.39
14	G	817	CLA	CHC-C4B	4.02	1.48	1.39
14	Y	816	CLA	CHD-C4C	4.02	1.48	1.39
14	G	811	CLA	CHD-C4C	4.01	1.48	1.39
14	A	838	CLA	C3D-C4D	-4.01	1.35	1.44
14	H	840	CLA	CHC-C4B	4.01	1.48	1.39
14	G	821	CLA	CHD-C4C	4.01	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	820	CLA	C3C-C2C	4.01	1.45	1.36
14	Y	828	CLA	CHD-C4C	4.01	1.48	1.39
14	L	202	CLA	C1D-ND	-4.01	1.32	1.37
14	d	202	CLA	CHD-C4C	4.01	1.48	1.39
14	Z	828	CLA	CHD-C4C	4.01	1.48	1.39
14	U	1002	CLA	C3D-C4D	-4.01	1.35	1.44
14	U	1006	CLA	CHC-C4B	4.01	1.48	1.39
14	U	1007	CLA	CHD-C1D	4.01	1.46	1.38
14	H	832	CLA	CHD-C4C	4.00	1.48	1.39
14	A	831	CLA	CHC-C1C	4.00	1.46	1.38
14	B	836	CLA	OBD-CAD	4.00	1.29	1.22
14	G	838	CLA	C1B-NB	-4.00	1.32	1.37
14	H	835	CLA	C3D-C4D	-4.00	1.35	1.44
14	A	831	CLA	CHC-C4B	4.00	1.48	1.39
14	Z	830	CLA	CHB-C1B	4.00	1.48	1.39
13	Y	801	CL0	CHD-C4C	4.00	1.48	1.39
14	H	832	CLA	C3D-C4D	-4.00	1.35	1.44
14	Z	827	CLA	CHD-C4C	4.00	1.48	1.39
17	G	846	BCR	C11-C12	-4.00	1.24	1.34
14	Z	838	CLA	CHB-C1B	4.00	1.48	1.39
14	A	812	CLA	CHB-C1B	4.00	1.48	1.39
14	F	202	CLA	OBD-CAD	4.00	1.29	1.22
14	A	842	CLA	CHC-C4B	4.00	1.48	1.39
14	Z	815	CLA	CHC-C4B	4.00	1.48	1.39
14	G	841	CLA	CHC-C1C	4.00	1.46	1.38
14	Y	826	CLA	OBD-CAD	4.00	1.29	1.22
14	S	1103	CLA	CHB-C1B	4.00	1.48	1.39
14	K	101	CLA	CHD-C4C	4.00	1.48	1.39
14	Z	816	CLA	CHC-C4B	4.00	1.48	1.39
14	H	833	CLA	OBD-CAD	3.99	1.29	1.22
14	Z	836	CLA	CHC-C4B	3.99	1.48	1.39
14	g	101	CLA	CHC-C4B	3.99	1.48	1.39
14	j	102	CLA	CHC-C4B	3.99	1.48	1.39
14	B	825	CLA	MG-ND	-3.99	1.97	2.05
14	A	824	CLA	OBD-CAD	3.99	1.29	1.22
14	G	822	CLA	OBD-CAD	3.99	1.29	1.22
14	B	840	CLA	C3D-C4D	-3.99	1.35	1.44
14	L	206	CLA	CHD-C1D	3.99	1.46	1.38
14	B	806	CLA	C1C-NC	-3.99	1.31	1.37
14	H	829	CLA	C1B-NB	-3.99	1.32	1.37
14	G	832	CLA	CHD-C1D	3.99	1.46	1.38
14	f	101	CLA	CHB-C1B	3.99	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	1003	CLA	CHD-C1D	3.99	1.46	1.38
14	A	833	CLA	CHB-C1B	3.99	1.48	1.39
14	A	829	CLA	CHC-C4B	3.99	1.48	1.39
14	Z	834	CLA	CHD-C4C	3.99	1.48	1.39
14	Y	828	CLA	C1B-NB	-3.99	1.32	1.37
14	Q	202	CLA	CHB-C1B	3.99	1.48	1.39
14	Y	808	CLA	C3D-C4D	-3.99	1.35	1.44
14	B	805	CLA	C3C-C2C	3.99	1.45	1.36
14	Z	829	CLA	C3C-C2C	3.99	1.45	1.36
14	A	838	CLA	CHB-C1B	3.99	1.48	1.39
14	G	841	CLA	CHD-C4C	3.99	1.48	1.39
14	A	820	CLA	OBD-CAD	3.98	1.29	1.22
14	Y	836	CLA	C3C-C2C	3.98	1.45	1.36
14	G	804	CLA	CHC-C4B	3.98	1.48	1.39
14	Z	813	CLA	C3D-C4D	-3.98	1.35	1.44
14	A	810	CLA	CHD-C1D	3.98	1.46	1.38
14	H	824	CLA	CHC-C4B	3.98	1.48	1.39
14	Y	810	CLA	C3D-C4D	-3.98	1.35	1.44
14	B	811	CLA	CHD-C4C	3.98	1.48	1.39
14	B	822	CLA	CHB-C1B	3.98	1.48	1.39
18	B	849	LHG	O7-C7	3.98	1.45	1.34
14	A	804	CLA	CHC-C4B	3.98	1.48	1.39
14	H	851	CLA	CHC-C4B	3.98	1.48	1.39
14	Z	836	CLA	CHB-C1B	3.98	1.48	1.39
14	H	802	CLA	CHD-C4C	3.98	1.48	1.39
14	Y	829	CLA	OBD-CAD	3.98	1.29	1.22
14	Y	819	CLA	CHC-C4B	3.98	1.48	1.39
14	G	853	CLA	CHD-C4C	3.98	1.48	1.39
14	B	812	CLA	CHC-C1C	3.98	1.46	1.38
14	A	808	CLA	CHB-C1B	3.98	1.48	1.39
14	B	837	CLA	CHC-C4B	3.98	1.48	1.39
14	Y	820	CLA	CHC-C4B	3.98	1.48	1.39
14	G	829	CLA	C3D-C4D	-3.98	1.35	1.44
14	A	824	CLA	CHD-C4C	3.98	1.48	1.39
14	H	812	CLA	CHD-C4C	3.98	1.48	1.39
14	A	817	CLA	OBD-CAD	3.98	1.29	1.22
14	H	820	CLA	CHC-C1C	3.97	1.46	1.38
14	B	818	CLA	CHD-C4C	3.97	1.48	1.39
14	H	826	CLA	CHD-C4C	3.97	1.48	1.39
14	A	810	CLA	CHB-C1B	3.97	1.48	1.39
14	G	835	CLA	CHC-C4B	3.97	1.48	1.39
14	H	816	CLA	CHC-C4B	3.97	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	806	CLA	CHD-C1D	3.97	1.46	1.38
14	J	101	CLA	CHD-C4C	3.97	1.48	1.39
14	A	827	CLA	CHD-C4C	3.97	1.48	1.39
14	B	835	CLA	CHD-C4C	3.97	1.48	1.39
14	A	840	CLA	CHC-C4B	3.97	1.48	1.39
14	S	1103	CLA	OBD-CAD	3.97	1.29	1.22
13	Y	801	CL0	OBD-CAD	3.97	1.29	1.22
14	Y	830	CLA	CHB-C1B	3.97	1.48	1.39
14	Y	836	CLA	CHD-C4C	3.97	1.48	1.39
14	G	827	CLA	CHB-C1B	3.97	1.48	1.39
14	A	816	CLA	C3C-C2C	3.97	1.45	1.36
14	Z	830	CLA	C3C-C2C	3.97	1.45	1.36
14	H	832	CLA	CHC-C4B	3.97	1.48	1.39
14	Z	807	CLA	CHC-C4B	3.97	1.48	1.39
14	L	202	CLA	CHC-C4B	3.97	1.48	1.39
14	H	815	CLA	CHD-C1D	3.97	1.46	1.38
14	Z	831	CLA	CHD-C1D	3.96	1.46	1.38
14	G	825	CLA	CHB-C1B	3.96	1.48	1.39
14	Y	816	CLA	CHB-C1B	3.96	1.48	1.39
14	Z	812	CLA	CHC-C4B	3.96	1.48	1.39
14	B	816	CLA	OBD-CAD	3.96	1.29	1.22
14	h	201	CLA	CHD-C1D	3.96	1.46	1.38
14	B	825	CLA	C3C-C2C	3.96	1.45	1.36
14	G	810	CLA	C3D-C4D	-3.96	1.35	1.44
14	B	832	CLA	CHD-C4C	3.96	1.48	1.39
14	H	827	CLA	CHC-C4B	3.96	1.48	1.39
14	Y	806	CLA	CHC-C4B	3.96	1.48	1.39
14	B	822	CLA	C3C-C2C	3.96	1.45	1.36
14	A	809	CLA	C3D-C4D	-3.96	1.35	1.44
14	B	809	CLA	C1D-ND	-3.96	1.32	1.37
14	Z	838	CLA	C3C-C2C	3.96	1.45	1.36
14	A	836	CLA	OBD-CAD	3.96	1.29	1.22
13	A	801	CL0	CHD-C4C	3.96	1.48	1.39
14	G	825	CLA	CHC-C1C	3.96	1.46	1.38
14	A	807	CLA	CHD-C4C	3.96	1.48	1.39
14	L	201	CLA	CHB-C1B	3.96	1.48	1.39
14	Y	811	CLA	C3D-C4D	-3.96	1.35	1.44
14	H	813	CLA	CHC-C4B	3.95	1.48	1.39
14	g	102	CLA	CHB-C1B	3.95	1.48	1.39
14	H	815	CLA	CHB-C1B	3.95	1.48	1.39
14	A	805	CLA	CHC-C4B	3.95	1.48	1.39
14	H	834	CLA	CHD-C4C	3.95	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	843	BCR	C10-C9	-3.95	1.26	1.35
14	Y	822	CLA	OBD-CAD	3.95	1.29	1.22
14	Z	816	CLA	CHD-C4C	3.95	1.48	1.39
14	Z	820	CLA	OBD-CAD	3.95	1.29	1.22
14	A	803	CLA	C3C-C2C	3.95	1.45	1.36
14	A	815	CLA	C3D-C4D	-3.95	1.35	1.44
14	f	102	CLA	CHB-C1B	3.95	1.48	1.39
14	Y	820	CLA	CHD-C4C	3.95	1.48	1.39
14	Z	834	CLA	OBD-CAD	3.95	1.29	1.22
14	Z	810	CLA	CHD-C1D	3.95	1.46	1.38
14	Z	811	CLA	CHB-C1B	3.95	1.48	1.39
14	H	830	CLA	CHD-C1D	3.95	1.46	1.38
14	h	206	CLA	CHD-C1D	3.95	1.46	1.38
14	B	829	CLA	CHC-C4B	3.95	1.48	1.39
14	F	202	CLA	CHD-C1D	3.95	1.46	1.38
14	Z	806	CLA	C1B-NB	-3.95	1.32	1.37
14	Z	806	CLA	OBD-CAD	3.95	1.29	1.22
14	Z	807	CLA	CHD-C4C	3.95	1.48	1.39
14	A	815	CLA	CHD-C4C	3.95	1.48	1.39
14	f	101	CLA	CHD-C4C	3.94	1.48	1.39
14	Y	837	CLA	C3D-C4D	-3.94	1.35	1.44
14	A	816	CLA	C3D-C4D	-3.94	1.35	1.44
14	Y	837	CLA	CHB-C1B	3.94	1.48	1.39
14	H	837	CLA	CHB-C1B	3.94	1.48	1.39
13	G	801	CL0	CHC-C1C	3.94	1.46	1.38
14	B	818	CLA	CHC-C1C	3.94	1.46	1.38
14	L	204	CLA	CHC-C4B	3.94	1.48	1.39
14	G	814	CLA	CHC-C4B	3.93	1.48	1.39
14	B	803	CLA	CHD-C1D	3.93	1.46	1.38
14	H	813	CLA	CHB-C1B	3.93	1.48	1.39
14	A	824	CLA	CHC-C4B	3.93	1.48	1.39
14	Q	202	CLA	CHC-C4B	3.93	1.48	1.39
14	Y	841	CLA	CHD-C4C	3.93	1.48	1.39
14	A	841	CLA	CHC-C4B	3.93	1.48	1.39
14	Y	829	CLA	CHB-C1B	3.93	1.48	1.39
14	G	804	CLA	CHD-C4C	3.93	1.48	1.39
14	Z	819	CLA	CHC-C4B	3.93	1.48	1.39
14	A	823	CLA	CHD-C4C	3.92	1.48	1.39
14	H	835	CLA	CHD-C4C	3.92	1.48	1.39
14	Z	828	CLA	C3C-C2C	3.92	1.45	1.36
14	Y	827	CLA	OBD-CAD	3.92	1.29	1.22
14	Y	825	CLA	CHB-C1B	3.92	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	818	CLA	C3D-C4D	-3.92	1.35	1.44
14	G	820	CLA	CHC-C4B	3.92	1.48	1.39
14	K	101	CLA	CHB-C1B	3.92	1.48	1.39
14	B	810	CLA	CHB-C1B	3.92	1.48	1.39
14	H	806	CLA	CHC-C4B	3.92	1.48	1.39
14	Y	828	CLA	OBD-CAD	3.92	1.29	1.22
14	H	838	CLA	C3D-C4D	-3.92	1.35	1.44
14	Z	840	CLA	OBD-CAD	3.92	1.29	1.22
14	Z	835	CLA	C3D-C4D	-3.92	1.35	1.44
14	G	833	CLA	CHC-C1C	3.91	1.46	1.38
14	Z	804	CLA	C3C-C2C	3.91	1.45	1.36
14	A	832	CLA	O2D-CGD	3.91	1.42	1.33
14	H	810	CLA	C1B-NB	-3.91	1.32	1.37
14	H	831	CLA	CHD-C4C	3.91	1.48	1.39
14	d	201	CLA	CHD-C4C	3.91	1.48	1.39
14	Z	822	CLA	CHB-C1B	3.91	1.48	1.39
14	Z	833	CLA	CHC-C4B	3.91	1.48	1.39
14	Y	805	CLA	CHD-C4C	3.91	1.48	1.39
14	H	807	CLA	C3C-C2C	3.91	1.45	1.36
14	G	806	CLA	OBD-CAD	3.91	1.29	1.22
14	Y	804	CLA	CHD-C4C	3.91	1.48	1.39
14	G	827	CLA	CHD-C1D	3.91	1.46	1.38
14	Y	803	CLA	CHC-C4B	3.91	1.48	1.39
14	A	821	CLA	CHD-C4C	3.91	1.48	1.39
14	G	816	CLA	CHC-C4B	3.91	1.48	1.39
14	U	1004	CLA	CHC-C4B	3.91	1.48	1.39
14	Z	825	CLA	OBD-CAD	3.91	1.29	1.22
14	B	808	CLA	CHB-C1B	3.91	1.48	1.39
14	H	817	CLA	CHC-C4B	3.90	1.48	1.39
14	Z	840	CLA	CHC-C4B	3.90	1.48	1.39
17	d	203	BCR	C10-C9	-3.90	1.26	1.35
14	S	1103	CLA	C3C-C2C	3.90	1.45	1.36
14	A	822	CLA	CHB-C1B	3.90	1.48	1.39
14	J	102	CLA	OBD-CAD	3.90	1.29	1.22
14	Z	804	CLA	CHC-C4B	3.90	1.48	1.39
14	T	103	CLA	CHC-C4B	3.90	1.48	1.39
17	Y	846	BCR	C10-C9	-3.90	1.26	1.35
14	Y	828	CLA	C3C-C2C	3.90	1.45	1.36
14	A	825	CLA	CHC-C4B	3.90	1.48	1.39
14	S	1101	CLA	CHB-C1B	3.90	1.48	1.39
14	G	819	CLA	CHC-C4B	3.90	1.48	1.39
14	F	202	CLA	C3D-C4D	-3.90	1.35	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	839	CLA	CHB-C1B	3.90	1.48	1.39
14	h	204	CLA	C3C-C2C	3.89	1.45	1.36
14	Y	818	CLA	CHD-C4C	3.89	1.48	1.39
14	A	854	CLA	C3C-C2C	3.89	1.45	1.36
14	A	828	CLA	CHB-C1B	3.89	1.48	1.39
14	H	839	CLA	C1B-NB	-3.89	1.32	1.37
14	Y	808	CLA	C1B-NB	-3.89	1.32	1.37
19	Z	849	LMG	O7-C10	3.89	1.45	1.34
14	H	835	CLA	CHC-C4B	3.89	1.48	1.39
14	A	836	CLA	CHB-C1B	3.89	1.48	1.39
14	H	832	CLA	OBD-CAD	3.89	1.29	1.22
14	L	206	CLA	CHC-C4B	3.89	1.48	1.39
13	A	801	CL0	CHB-C1B	3.89	1.48	1.39
17	Z	843	BCR	C11-C12	-3.89	1.24	1.34
14	H	823	CLA	C3C-C2C	3.89	1.45	1.36
14	A	818	CLA	CHD-C4C	3.89	1.48	1.39
14	Y	806	CLA	CHD-C4C	3.89	1.48	1.39
14	A	820	CLA	CHB-C1B	3.89	1.48	1.39
14	Z	829	CLA	CHB-C1B	3.89	1.48	1.39
14	A	833	CLA	CHD-C4C	3.89	1.48	1.39
14	h	201	CLA	CHC-C4B	3.89	1.48	1.39
14	Z	812	CLA	C3C-C2C	3.89	1.45	1.36
14	H	836	CLA	C3D-C4D	-3.88	1.35	1.44
14	f	101	CLA	C3D-C4D	-3.88	1.35	1.44
14	L	202	CLA	C3C-C2C	3.88	1.45	1.36
14	Y	817	CLA	CHB-C1B	3.88	1.48	1.39
14	G	824	CLA	CHD-C4C	3.88	1.48	1.39
14	Z	830	CLA	OBD-CAD	3.88	1.29	1.22
14	Y	813	CLA	OBD-CAD	3.88	1.29	1.22
14	Z	815	CLA	CHD-C4C	3.88	1.48	1.39
14	A	838	CLA	OBD-CAD	3.88	1.29	1.22
14	A	841	CLA	OBD-CAD	3.88	1.29	1.22
14	Y	813	CLA	CHD-C4C	3.88	1.48	1.39
14	H	809	CLA	OBD-CAD	3.88	1.29	1.22
14	G	813	CLA	CHC-C4B	3.87	1.48	1.39
14	Y	813	CLA	CHC-C4B	3.87	1.48	1.39
14	B	818	CLA	C3C-C2C	3.87	1.45	1.36
14	Z	834	CLA	CHC-C4B	3.87	1.48	1.39
14	A	821	CLA	CHB-C1B	3.87	1.48	1.39
14	B	835	CLA	CHB-C1B	3.87	1.48	1.39
14	B	803	CLA	C1D-ND	-3.87	1.32	1.37
14	H	818	CLA	CHB-C1B	3.87	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	820	CLA	CHC-C4B	3.87	1.48	1.39
14	B	806	CLA	CHD-C4C	3.87	1.48	1.39
14	Y	836	CLA	C3D-C4D	-3.87	1.35	1.44
14	A	835	CLA	CHC-C4B	3.87	1.48	1.39
14	Z	804	CLA	C1D-ND	-3.87	1.32	1.37
14	G	803	CLA	CHC-C4B	3.87	1.48	1.39
14	H	826	CLA	CHB-C1B	3.87	1.48	1.39
14	h	205	CLA	CHC-C4B	3.87	1.48	1.39
14	S	1102	CLA	CHB-C1B	3.87	1.48	1.39
14	Z	827	CLA	CHC-C1C	3.86	1.46	1.38
14	G	809	CLA	C3C-C2C	3.86	1.45	1.36
14	B	812	CLA	CHD-C4C	3.86	1.48	1.39
14	B	801	CLA	OBD-CAD	3.86	1.29	1.22
14	A	840	CLA	C3C-C2C	3.86	1.45	1.36
14	h	206	CLA	CHB-C1B	3.86	1.48	1.39
14	B	828	CLA	OBD-CAD	3.86	1.29	1.22
14	G	823	CLA	CHD-C4C	3.86	1.48	1.39
14	A	816	CLA	OBD-CAD	3.86	1.29	1.22
14	Z	823	CLA	C3D-C2D	3.86	1.49	1.39
14	L	201	CLA	CHC-C4B	3.86	1.48	1.39
13	G	801	CL0	C3C-C2C	3.86	1.45	1.36
14	Z	811	CLA	CHC-C4B	3.86	1.48	1.39
14	Z	813	CLA	CHB-C1B	3.85	1.48	1.39
14	H	822	CLA	CHB-C1B	3.85	1.48	1.39
14	A	832	CLA	OBD-CAD	3.85	1.29	1.22
14	A	830	CLA	CHB-C1B	3.85	1.48	1.39
14	S	1102	CLA	CHD-C4C	3.85	1.48	1.39
14	Y	831	CLA	CHD-C4C	3.85	1.48	1.39
14	S	1102	CLA	OBD-CAD	3.85	1.29	1.22
14	H	817	CLA	CHD-C4C	3.85	1.48	1.39
14	G	828	CLA	CHD-C4C	3.85	1.48	1.39
14	H	825	CLA	CHD-C4C	3.85	1.48	1.39
13	Y	801	CL0	CHC-C1C	3.85	1.46	1.38
14	B	802	CLA	OBD-CAD	3.85	1.29	1.22
14	B	839	CLA	C1D-ND	-3.85	1.32	1.37
14	B	819	CLA	CHB-C1B	3.85	1.48	1.39
14	Y	814	CLA	OBD-CAD	3.84	1.29	1.22
14	A	821	CLA	C1D-ND	-3.84	1.32	1.37
14	H	814	CLA	C1B-NB	-3.84	1.32	1.37
14	B	830	CLA	CHC-C4B	3.84	1.48	1.39
14	Y	815	CLA	C3D-C4D	-3.84	1.35	1.44
14	h	201	CLA	OBD-CAD	3.84	1.29	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	805	CLA	C1C-NC	-3.84	1.31	1.37
14	A	821	CLA	CHC-C4B	3.84	1.48	1.39
14	G	833	CLA	CHD-C4C	3.84	1.47	1.39
14	Y	838	CLA	C3D-C4D	-3.84	1.35	1.44
14	B	828	CLA	C3C-C2C	3.84	1.45	1.36
14	A	806	CLA	CHD-C4C	3.84	1.47	1.39
14	A	821	CLA	OBD-CAD	3.84	1.29	1.22
14	G	826	CLA	CHD-C4C	3.84	1.47	1.39
14	B	807	CLA	CHB-C1B	3.84	1.48	1.39
17	J	103	BCR	C10-C9	-3.84	1.26	1.35
14	H	827	CLA	C3C-C2C	3.83	1.45	1.36
14	A	811	CLA	CHB-C1B	3.83	1.48	1.39
14	H	808	CLA	CHC-C4B	3.83	1.48	1.39
14	H	822	CLA	OBD-CAD	3.83	1.29	1.22
14	Z	838	CLA	CHD-C4C	3.83	1.47	1.39
14	G	814	CLA	C3D-C4D	-3.83	1.35	1.44
14	Z	811	CLA	C3C-C2C	3.83	1.45	1.36
14	G	833	CLA	C4B-NB	-3.83	1.32	1.37
14	H	809	CLA	C1B-NB	-3.83	1.32	1.37
14	Z	828	CLA	C4B-NB	-3.83	1.32	1.37
14	B	821	CLA	CHC-C4B	3.83	1.48	1.39
14	A	804	CLA	OBD-CAD	3.83	1.29	1.22
14	H	812	CLA	CHB-C1B	3.83	1.48	1.39
14	A	829	CLA	CHB-C1B	3.82	1.48	1.39
14	Y	820	CLA	CHB-C1B	3.82	1.48	1.39
14	B	819	CLA	CHD-C4C	3.82	1.47	1.39
14	H	825	CLA	OBD-CAD	3.82	1.29	1.22
14	H	838	CLA	CHC-C4B	3.82	1.48	1.39
14	H	804	CLA	C1D-ND	-3.82	1.32	1.37
14	H	829	CLA	CHD-C4C	3.82	1.47	1.39
14	G	811	CLA	OBD-CAD	3.82	1.29	1.22
13	A	801	CL0	C3C-C2C	3.82	1.45	1.36
14	H	825	CLA	CHD-C1D	3.82	1.45	1.38
14	Y	841	CLA	CHB-C1B	3.82	1.48	1.39
14	Z	810	CLA	C3C-C2C	3.82	1.45	1.36
14	G	807	CLA	CHD-C4C	3.82	1.47	1.39
14	A	839	CLA	CHC-C4B	3.82	1.48	1.39
14	A	808	CLA	CHD-C4C	3.82	1.47	1.39
14	Z	841	CLA	CHB-C1B	3.82	1.48	1.39
17	Q	201	BCR	C11-C12	-3.82	1.24	1.34
14	B	839	CLA	CHD-C4C	3.82	1.47	1.39
14	B	830	CLA	CHB-C1B	3.82	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	811	CLA	OBD-CAD	3.82	1.29	1.22
14	W	1701	CLA	CHD-C4C	3.81	1.47	1.39
14	Z	840	CLA	CHB-C1B	3.81	1.48	1.39
14	B	831	CLA	CHC-C4B	3.81	1.48	1.39
14	Z	823	CLA	CHB-C1B	3.81	1.48	1.39
14	B	808	CLA	CHC-C1C	3.81	1.46	1.38
14	H	812	CLA	CHC-C4B	3.81	1.48	1.39
14	A	816	CLA	CHD-C4C	3.81	1.47	1.39
14	G	817	CLA	CHD-C4C	3.81	1.47	1.39
14	H	829	CLA	CHB-C1B	3.81	1.48	1.39
14	Y	840	CLA	C3C-C2C	3.81	1.45	1.36
14	Z	809	CLA	C3C-C2C	3.81	1.45	1.36
14	H	805	CLA	OBD-CAD	3.81	1.29	1.22
14	U	1002	CLA	CHD-C4C	3.81	1.47	1.39
14	Y	821	CLA	CHD-C4C	3.81	1.47	1.39
14	Y	805	CLA	CHC-C4B	3.81	1.48	1.39
14	B	839	CLA	C3C-C2C	3.81	1.45	1.36
14	J	102	CLA	CHC-C4B	3.80	1.47	1.39
14	H	818	CLA	OBD-CAD	3.80	1.29	1.22
14	A	814	CLA	CHC-C4B	3.80	1.47	1.39
14	H	851	CLA	CHB-C1B	3.80	1.47	1.39
14	B	833	CLA	OBD-CAD	3.80	1.29	1.22
14	A	840	CLA	OBD-CAD	3.80	1.29	1.22
14	B	804	CLA	C4B-NB	-3.80	1.32	1.37
14	L	201	CLA	C3C-C2C	3.80	1.45	1.36
14	A	834	CLA	CHB-C1B	3.80	1.47	1.39
14	A	819	CLA	CHB-C1B	3.80	1.47	1.39
14	G	830	CLA	C4B-NB	-3.80	1.32	1.37
17	Y	848	BCR	C10-C9	-3.80	1.27	1.35
14	T	103	CLA	OBD-CAD	3.80	1.29	1.22
14	A	814	CLA	CHB-C1B	3.80	1.47	1.39
14	Z	805	CLA	C1B-C2B	3.80	1.52	1.43
14	L	201	CLA	CHD-C1D	3.80	1.45	1.38
14	H	820	CLA	CHD-C1D	3.80	1.45	1.38
14	A	836	CLA	CHC-C4B	3.79	1.47	1.39
17	R	101	BCR	C10-C9	-3.79	1.27	1.35
14	Y	824	CLA	CHD-C4C	3.79	1.47	1.39
14	Y	825	CLA	CHD-C4C	3.79	1.47	1.39
14	Z	803	CLA	CHD-C4C	3.79	1.47	1.39
14	Y	819	CLA	C3D-C4D	-3.79	1.35	1.44
14	G	818	CLA	CHD-C4C	3.79	1.47	1.39
14	Y	839	CLA	CHD-C4C	3.79	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	819	CLA	CHD-C4C	3.79	1.47	1.39
17	L	207	BCR	C10-C9	-3.79	1.27	1.35
14	G	802	CLA	CHC-C4B	3.79	1.47	1.39
14	A	813	CLA	CHC-C4B	3.79	1.47	1.39
14	Z	814	CLA	CHB-C1B	3.79	1.47	1.39
14	Z	826	CLA	CHB-C1B	3.79	1.47	1.39
14	J	101	CLA	OBD-CAD	3.79	1.29	1.22
14	B	804	CLA	C1B-NB	-3.79	1.32	1.37
14	Z	825	CLA	CHD-C4C	3.79	1.47	1.39
14	B	810	CLA	CHD-C4C	3.79	1.47	1.39
14	A	831	CLA	OBD-CAD	3.78	1.29	1.22
14	G	820	CLA	OBD-CAD	3.78	1.29	1.22
14	A	839	CLA	CHB-C1B	3.78	1.47	1.39
14	B	825	CLA	C1D-ND	-3.78	1.32	1.37
14	H	823	CLA	CHC-C4B	3.78	1.47	1.39
14	B	831	CLA	OBD-CAD	3.78	1.29	1.22
14	g	102	CLA	CHD-C4C	3.78	1.47	1.39
14	Z	833	CLA	CHB-C1B	3.78	1.47	1.39
14	Y	815	CLA	CHB-C1B	3.78	1.47	1.39
14	H	837	CLA	OBD-CAD	3.78	1.29	1.22
17	H	844	BCR	C11-C12	-3.78	1.24	1.34
14	A	805	CLA	CHD-C4C	3.78	1.47	1.39
14	H	803	CLA	CHC-C4B	3.78	1.47	1.39
14	H	810	CLA	CHC-C4B	3.78	1.47	1.39
14	g	101	CLA	CHB-C1B	3.78	1.47	1.39
14	B	833	CLA	CHD-C4C	3.78	1.47	1.39
14	B	814	CLA	CHD-C4C	3.78	1.47	1.39
17	G	848	BCR	C10-C9	-3.78	1.27	1.35
14	A	839	CLA	OBD-CAD	3.78	1.29	1.22
14	Z	805	CLA	OBD-CAD	3.78	1.29	1.22
14	G	834	CLA	CHD-C4C	3.78	1.47	1.39
14	H	815	CLA	C3D-C4D	-3.78	1.35	1.44
14	G	810	CLA	OBD-CAD	3.78	1.29	1.22
14	Y	818	CLA	CHC-C4B	3.78	1.47	1.39
14	Z	801	CLA	CHB-C1B	3.78	1.47	1.39
14	B	828	CLA	CHC-C1C	3.77	1.46	1.38
14	G	839	CLA	CHC-C4B	3.77	1.47	1.39
14	L	202	CLA	CHB-C1B	3.77	1.47	1.39
14	A	842	CLA	CHD-C4C	3.77	1.47	1.39
14	A	842	CLA	C1B-NB	-3.77	1.32	1.37
14	G	819	CLA	OBD-CAD	3.77	1.29	1.22
14	H	803	CLA	CHD-C4C	3.77	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	826	CLA	CHB-C1B	3.77	1.47	1.39
14	B	832	CLA	CHB-C1B	3.77	1.47	1.39
14	G	820	CLA	CHB-C1B	3.77	1.47	1.39
14	Y	813	CLA	CHB-C1B	3.77	1.47	1.39
14	Y	835	CLA	CHD-C4C	3.77	1.47	1.39
17	T	102	BCR	C10-C9	-3.77	1.27	1.35
14	A	824	CLA	CHB-C1B	3.77	1.47	1.39
14	B	821	CLA	CHD-C4C	3.77	1.47	1.39
14	H	807	CLA	C1B-NB	-3.77	1.32	1.37
14	H	824	CLA	CHB-C1B	3.76	1.47	1.39
17	f	103	BCR	C10-C9	-3.76	1.27	1.35
14	h	204	CLA	CHB-C1B	3.76	1.47	1.39
14	G	842	CLA	OBD-CAD	3.76	1.29	1.22
17	J	104	BCR	C11-C12	-3.76	1.24	1.34
14	Y	840	CLA	CHB-C1B	3.76	1.47	1.39
14	Z	826	CLA	OBD-CAD	3.76	1.29	1.22
14	h	204	CLA	CHC-C4B	3.76	1.47	1.39
14	A	819	CLA	CHD-C1D	3.76	1.45	1.38
14	Y	807	CLA	CHB-C1B	3.76	1.47	1.39
14	L	205	CLA	C1B-NB	-3.76	1.32	1.37
14	g	102	CLA	OBD-CAD	3.76	1.29	1.22
14	B	803	CLA	CHC-C4B	3.76	1.47	1.39
14	Z	819	CLA	OBD-CAD	3.76	1.28	1.22
14	B	803	CLA	CHD-C4C	3.75	1.47	1.39
14	Y	840	CLA	OBD-CAD	3.75	1.28	1.22
14	B	802	CLA	C3C-C2C	3.75	1.44	1.36
14	H	817	CLA	CHB-C1B	3.75	1.47	1.39
14	Y	818	CLA	CHB-C1B	3.75	1.47	1.39
14	Y	814	CLA	CHD-C4C	3.75	1.47	1.39
14	B	811	CLA	CHC-C4B	3.75	1.47	1.39
14	B	826	CLA	CHD-C4C	3.74	1.47	1.39
14	B	823	CLA	CHC-C4B	3.74	1.47	1.39
14	H	814	CLA	CHC-C4B	3.74	1.47	1.39
14	L	205	CLA	CHD-C1D	3.74	1.45	1.38
14	Y	808	CLA	C3C-C2C	3.74	1.44	1.36
14	Z	801	CLA	CHD-C4C	3.74	1.47	1.39
14	U	1007	CLA	C3D-C2D	3.74	1.49	1.39
14	H	828	CLA	C3D-C4D	-3.74	1.35	1.44
14	Y	826	CLA	CHD-C4C	3.74	1.47	1.39
14	B	811	CLA	CHB-C1B	3.74	1.47	1.39
14	B	801	CLA	CHD-C4C	3.74	1.47	1.39
14	L	202	CLA	CHD-C4C	3.74	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	830	CLA	CHC-C4B	3.74	1.47	1.39
17	A	848	BCR	C10-C9	-3.74	1.27	1.35
14	Y	811	CLA	CHB-C1B	3.74	1.47	1.39
14	A	840	CLA	CHD-C4C	3.74	1.47	1.39
14	Y	805	CLA	CHB-C1B	3.74	1.47	1.39
14	Z	815	CLA	C3D-C4D	-3.74	1.35	1.44
14	B	836	CLA	CHC-C4B	3.74	1.47	1.39
14	h	205	CLA	CHB-C1B	3.74	1.47	1.39
14	B	829	CLA	CHD-C4C	3.74	1.47	1.39
19	B	848	LMG	C40-C39	-3.74	1.33	1.51
14	B	817	CLA	CHC-C4B	3.73	1.47	1.39
14	A	809	CLA	CHD-C4C	3.73	1.47	1.39
14	G	835	CLA	OBD-CAD	3.73	1.28	1.22
17	S	1104	BCR	C11-C12	-3.73	1.24	1.34
14	A	854	CLA	CHB-C1B	3.73	1.47	1.39
19	H	848	LMG	C40-C39	-3.73	1.33	1.51
14	Z	818	CLA	CHC-C4B	3.73	1.47	1.39
14	H	816	CLA	CHD-C4C	3.73	1.47	1.39
14	B	807	CLA	CHD-C4C	3.73	1.47	1.39
14	Y	839	CLA	CHB-C1B	3.73	1.47	1.39
14	G	838	CLA	OBD-CAD	3.73	1.28	1.22
14	F	202	CLA	CHC-C4B	3.73	1.47	1.39
14	A	835	CLA	CHB-C1B	3.73	1.47	1.39
14	G	806	CLA	CHD-C4C	3.73	1.47	1.39
14	Y	829	CLA	CHC-C4B	3.73	1.47	1.39
14	B	812	CLA	OBD-CAD	3.73	1.28	1.22
14	A	810	CLA	OBD-CAD	3.72	1.28	1.22
14	Y	834	CLA	CHB-C1B	3.72	1.47	1.39
14	B	828	CLA	C3D-C4D	-3.72	1.35	1.44
14	B	839	CLA	OBD-CAD	3.72	1.28	1.22
14	Y	830	CLA	CHD-C4C	3.72	1.47	1.39
14	G	830	CLA	C1C-NC	-3.72	1.32	1.37
14	H	816	CLA	OBD-CAD	3.72	1.28	1.22
14	Y	824	CLA	CHB-C1B	3.72	1.47	1.39
14	Z	841	CLA	CHC-C4B	3.72	1.47	1.39
14	Z	807	CLA	C3D-C2D	3.72	1.49	1.39
14	Z	821	CLA	CHD-C4C	3.72	1.47	1.39
14	G	820	CLA	CHD-C4C	3.72	1.47	1.39
14	Z	831	CLA	CHD-C4C	3.72	1.47	1.39
14	Z	838	CLA	C1B-NB	-3.72	1.33	1.37
14	G	831	CLA	C3C-C2C	3.72	1.44	1.36
14	Y	827	CLA	CHD-C4C	3.72	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	816	CLA	OBD-CAD	3.72	1.28	1.22
14	G	805	CLA	CHD-C1D	3.72	1.45	1.38
14	G	815	CLA	CHB-C1B	3.71	1.47	1.39
14	G	825	CLA	CHC-C4B	3.71	1.47	1.39
14	B	813	CLA	CHC-C4B	3.71	1.47	1.39
14	H	833	CLA	CHC-C4B	3.71	1.47	1.39
14	A	803	CLA	CHD-C4C	3.71	1.47	1.39
14	B	802	CLA	C3D-C4D	-3.71	1.35	1.44
14	H	809	CLA	O2D-CGD	3.71	1.42	1.33
14	G	803	CLA	CHD-C4C	3.71	1.47	1.39
13	A	801	CL0	CHC-C1C	3.71	1.45	1.38
14	K	101	CLA	CHC-C4B	3.71	1.47	1.39
14	B	813	CLA	CHD-C4C	3.71	1.47	1.39
19	B	848	LMG	C43-C42	-3.71	1.33	1.51
14	B	837	CLA	CHB-C1B	3.71	1.47	1.39
14	Y	814	CLA	CHB-C1B	3.71	1.47	1.39
14	Z	812	CLA	OBD-CAD	3.71	1.28	1.22
14	B	813	CLA	CHD-C1D	3.71	1.45	1.38
14	Z	817	CLA	CHB-C1B	3.71	1.47	1.39
17	U	1005	BCR	C11-C12	-3.71	1.25	1.34
14	G	816	CLA	OBD-CAD	3.71	1.28	1.22
14	G	829	CLA	OBD-CAD	3.71	1.28	1.22
14	A	837	CLA	CHD-C4C	3.70	1.47	1.39
14	G	804	CLA	OBD-CAD	3.70	1.28	1.22
14	B	832	CLA	OBD-CAD	3.70	1.28	1.22
14	A	833	CLA	C3C-C2C	3.70	1.44	1.36
14	B	823	CLA	CHB-C1B	3.70	1.47	1.39
14	Z	837	CLA	CHB-C1B	3.70	1.47	1.39
14	H	809	CLA	C4B-NB	-3.70	1.33	1.37
14	Z	805	CLA	C1D-ND	-3.70	1.33	1.37
14	B	812	CLA	C3C-C2C	3.70	1.44	1.36
14	Y	825	CLA	CHC-C4B	3.70	1.47	1.39
17	Y	853	BCR	C11-C12	-3.70	1.25	1.34
14	B	815	CLA	CHB-C1B	3.70	1.47	1.39
14	B	818	CLA	CHC-C4B	3.70	1.47	1.39
14	A	831	CLA	C1D-ND	-3.70	1.33	1.37
14	H	828	CLA	CHD-C4C	3.70	1.47	1.39
14	H	808	CLA	OBD-CAD	3.70	1.28	1.22
14	G	811	CLA	CHB-C1B	3.70	1.47	1.39
17	I	101	BCR	C1-C6	-3.70	1.49	1.53
14	H	810	CLA	CHD-C1D	3.70	1.45	1.38
14	U	1003	CLA	CHC-C4B	3.69	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	836	CLA	C1D-ND	-3.69	1.33	1.37
14	B	808	CLA	C3C-C2C	3.69	1.44	1.36
14	Z	805	CLA	CHB-C1B	3.69	1.47	1.39
14	A	808	CLA	OBD-CAD	3.69	1.28	1.22
14	G	809	CLA	CHB-C1B	3.69	1.47	1.39
14	G	822	CLA	CHC-C4B	3.69	1.47	1.39
14	Y	835	CLA	OBD-CAD	3.69	1.28	1.22
14	Z	820	CLA	C1B-NB	-3.69	1.33	1.37
14	B	808	CLA	MG-ND	-3.69	1.98	2.05
17	e	101	BCR	C10-C9	-3.69	1.27	1.35
14	A	843	CLA	CHC-C4B	3.69	1.47	1.39
14	B	821	CLA	OBD-CAD	3.69	1.28	1.22
14	L	206	CLA	C4B-NB	-3.68	1.33	1.37
14	H	835	CLA	OBD-CAD	3.68	1.28	1.22
14	S	1103	CLA	CHC-C4B	3.68	1.47	1.39
14	H	834	CLA	OBD-CAD	3.68	1.28	1.22
14	B	802	CLA	CHC-C4B	3.68	1.47	1.39
14	H	836	CLA	CHC-C4B	3.68	1.47	1.39
14	B	803	CLA	C3C-C2C	3.68	1.44	1.36
14	B	814	CLA	OBD-CAD	3.68	1.28	1.22
14	A	825	CLA	OBD-CAD	3.68	1.28	1.22
14	B	805	CLA	OBD-CAD	3.68	1.28	1.22
14	Y	839	CLA	CHC-C4B	3.68	1.47	1.39
14	B	806	CLA	C4B-NB	-3.67	1.33	1.37
14	G	833	CLA	C1D-ND	-3.67	1.33	1.37
14	B	804	CLA	C3C-C2C	3.67	1.44	1.36
14	B	839	CLA	CHB-C1B	3.67	1.47	1.39
14	G	852	CLA	C1B-NB	-3.67	1.33	1.37
14	Y	819	CLA	CHB-C1B	3.67	1.47	1.39
14	H	839	CLA	CHD-C1D	3.67	1.45	1.38
14	G	814	CLA	CHD-C4C	3.67	1.47	1.39
14	B	812	CLA	C1C-NC	-3.67	1.32	1.37
14	A	816	CLA	CHB-C1B	3.67	1.47	1.39
14	G	836	CLA	OBD-CAD	3.67	1.28	1.22
14	A	836	CLA	CHD-C4C	3.67	1.47	1.39
14	H	836	CLA	OBD-CAD	3.67	1.28	1.22
14	Y	817	CLA	OBD-CAD	3.67	1.28	1.22
14	Z	837	CLA	OBD-CAD	3.67	1.28	1.22
14	Z	802	CLA	CHD-C4C	3.67	1.47	1.39
14	B	801	CLA	C1D-ND	-3.67	1.33	1.37
14	Y	817	CLA	CHD-C4C	3.67	1.47	1.39
14	Y	826	CLA	C1D-ND	-3.67	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	806	CLA	CHB-C1B	3.66	1.47	1.39
14	A	836	CLA	C4B-NB	-3.66	1.33	1.37
14	H	821	CLA	CHC-C4B	3.66	1.47	1.39
14	Y	805	CLA	OBD-CAD	3.66	1.28	1.22
14	Y	809	CLA	OBD-CAD	3.66	1.28	1.22
14	H	840	CLA	OBD-CAD	3.66	1.28	1.22
14	G	830	CLA	C3D-C2D	3.66	1.49	1.39
14	B	808	CLA	C1B-NB	-3.66	1.33	1.37
14	Y	806	CLA	CHB-C1B	3.66	1.47	1.39
14	A	810	CLA	CHD-C4C	3.66	1.47	1.39
14	B	834	CLA	CHD-C4C	3.66	1.47	1.39
14	B	806	CLA	CHC-C1C	3.66	1.45	1.38
14	Y	820	CLA	OBD-CAD	3.66	1.28	1.22
14	Z	806	CLA	C3C-C2C	3.66	1.44	1.36
14	H	839	CLA	CHB-C1B	3.66	1.47	1.39
14	B	804	CLA	CHC-C4B	3.66	1.47	1.39
14	Y	810	CLA	CHD-C4C	3.66	1.47	1.39
14	G	836	CLA	CHB-C1B	3.66	1.47	1.39
14	Z	831	CLA	OBD-CAD	3.66	1.28	1.22
14	B	816	CLA	CHB-C1B	3.66	1.47	1.39
14	G	834	CLA	CHB-C1B	3.66	1.47	1.39
14	G	835	CLA	CHB-C1B	3.66	1.47	1.39
14	Q	202	CLA	CHD-C4C	3.66	1.47	1.39
14	Z	813	CLA	CHC-C4B	3.66	1.47	1.39
14	B	820	CLA	C3D-C2D	3.65	1.49	1.39
14	Z	837	CLA	CHD-C4C	3.65	1.47	1.39
14	L	201	CLA	C1D-ND	-3.65	1.33	1.37
14	A	836	CLA	C1B-NB	-3.65	1.33	1.37
14	A	803	CLA	CHC-C1C	3.65	1.45	1.38
14	A	832	CLA	CHD-C1D	3.65	1.45	1.38
14	Z	836	CLA	OBD-CAD	3.65	1.28	1.22
14	A	823	CLA	OBD-CAD	3.65	1.28	1.22
14	h	206	CLA	CHC-C4B	3.65	1.47	1.39
14	H	805	CLA	CHC-C4B	3.65	1.47	1.39
14	H	808	CLA	CHB-C1B	3.65	1.47	1.39
14	U	1004	CLA	CHD-C4C	3.65	1.47	1.39
14	A	804	CLA	CHB-C1B	3.65	1.47	1.39
14	B	801	CLA	CHC-C4B	3.65	1.47	1.39
14	Z	829	CLA	C1B-NB	-3.65	1.33	1.37
14	Z	825	CLA	CHB-C1B	3.64	1.47	1.39
14	B	840	CLA	C1C-NC	-3.64	1.32	1.37
14	X	1701	CLA	OBD-CAD	3.64	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	821	CLA	OBD-CAD	3.64	1.28	1.22
14	B	835	CLA	OBD-CAD	3.64	1.28	1.22
14	Z	831	CLA	CHC-C4B	3.64	1.47	1.39
14	B	804	CLA	C1C-NC	-3.64	1.32	1.37
17	L	208	BCR	C10-C9	-3.64	1.27	1.35
14	K	102	CLA	CHC-C4B	3.64	1.47	1.39
14	H	838	CLA	OBD-CAD	3.63	1.28	1.22
17	B	842	BCR	C11-C12	-3.63	1.25	1.34
14	B	801	CLA	MG-ND	-3.63	1.98	2.05
14	Z	809	CLA	C4B-NB	-3.63	1.33	1.37
14	Y	826	CLA	CHC-C4B	3.63	1.47	1.39
14	d	201	CLA	OBD-CAD	3.63	1.28	1.22
19	Z	849	LMG	C40-C39	-3.63	1.33	1.51
14	Y	817	CLA	C3C-C2C	3.63	1.44	1.36
14	Z	824	CLA	CHB-C1B	3.63	1.47	1.39
14	A	826	CLA	CHB-C1B	3.63	1.47	1.39
14	G	830	CLA	CHC-C1C	3.63	1.45	1.38
14	B	828	CLA	CHD-C4C	3.63	1.47	1.39
14	Z	801	CLA	OBD-CAD	3.62	1.28	1.22
14	Z	828	CLA	C1B-NB	-3.62	1.33	1.37
14	B	809	CLA	CHB-C1B	3.62	1.47	1.39
14	G	832	CLA	CHB-C1B	3.62	1.47	1.39
14	Z	829	CLA	CHD-C4C	3.62	1.47	1.39
14	A	832	CLA	C3C-C2C	3.62	1.44	1.36
14	G	823	CLA	CHC-C4B	3.62	1.47	1.39
14	Z	829	CLA	C1D-ND	-3.62	1.33	1.37
14	Z	804	CLA	C3D-C2D	3.62	1.48	1.39
14	U	1004	CLA	C1B-NB	-3.62	1.33	1.37
14	Z	839	CLA	C4B-NB	-3.62	1.33	1.37
14	Z	805	CLA	CHC-C4B	3.62	1.47	1.39
14	Z	832	CLA	CHB-C1B	3.62	1.47	1.39
14	H	817	CLA	CHD-C1D	3.62	1.45	1.38
14	A	843	CLA	CHD-C4C	3.62	1.47	1.39
14	Y	822	CLA	CHC-C4B	3.62	1.47	1.39
14	A	841	CLA	CHD-C4C	3.62	1.47	1.39
14	Z	826	CLA	CHC-C4B	3.62	1.47	1.39
14	T	101	CLA	CHB-C1B	3.62	1.47	1.39
14	A	837	CLA	OBD-CAD	3.62	1.28	1.22
14	Z	836	CLA	CHD-C4C	3.61	1.47	1.39
14	Y	838	CLA	CHC-C4B	3.61	1.47	1.39
14	Y	841	CLA	CHC-C4B	3.61	1.47	1.39
14	U	1007	CLA	C1D-ND	-3.61	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	807	CLA	CHB-C1B	3.61	1.47	1.39
14	h	201	CLA	CHD-C4C	3.61	1.47	1.39
14	U	1002	CLA	OBD-CAD	3.61	1.28	1.22
14	Y	807	CLA	OBD-CAD	3.61	1.28	1.22
14	A	823	CLA	CHB-C1B	3.61	1.47	1.39
14	Y	810	CLA	OBD-CAD	3.61	1.28	1.22
14	G	831	CLA	CHD-C4C	3.61	1.47	1.39
14	A	815	CLA	CHB-C1B	3.61	1.47	1.39
14	A	826	CLA	C3C-C2C	3.61	1.44	1.36
14	Y	802	CLA	CHC-C4B	3.61	1.47	1.39
14	B	802	CLA	C1C-NC	-3.61	1.32	1.37
14	G	841	CLA	CHC-C4B	3.60	1.47	1.39
14	Z	820	CLA	CHD-C4C	3.60	1.47	1.39
14	A	829	CLA	CHD-C4C	3.60	1.47	1.39
14	B	838	CLA	CHB-C1B	3.60	1.47	1.39
14	L	205	CLA	CHB-C1B	3.60	1.47	1.39
14	A	819	CLA	OBD-CAD	3.60	1.28	1.22
17	I	102	BCR	C11-C12	-3.60	1.25	1.34
17	B	847	BCR	C10-C9	-3.60	1.27	1.35
14	G	832	CLA	CHC-C4B	3.60	1.47	1.39
14	H	805	CLA	CHD-C4C	3.60	1.47	1.39
14	G	834	CLA	OBD-CAD	3.59	1.28	1.22
14	A	826	CLA	MG-ND	-3.59	1.98	2.05
14	Z	831	CLA	CHB-C1B	3.59	1.47	1.39
14	A	826	CLA	OBD-CAD	3.59	1.28	1.22
14	A	810	CLA	C3C-C2C	3.59	1.44	1.36
14	H	829	CLA	C4B-NB	-3.59	1.33	1.37
14	H	840	CLA	CHD-C1D	3.59	1.45	1.38
13	Y	801	CL0	C1D-ND	-3.59	1.33	1.37
13	Y	801	CL0	CHC-C4B	3.59	1.47	1.39
19	H	848	LMG	C19-C18	-3.59	1.33	1.51
14	H	832	CLA	C3D-C2D	3.58	1.48	1.39
14	Z	814	CLA	CHD-C4C	3.58	1.47	1.39
14	H	801	CLA	C1B-C2B	3.58	1.51	1.43
14	G	842	CLA	CHC-C4B	3.58	1.47	1.39
14	Y	834	CLA	C3D-C2D	3.58	1.48	1.39
14	G	802	CLA	CHB-C1B	3.58	1.47	1.39
14	B	825	CLA	CHD-C1D	3.57	1.45	1.38
19	B	848	LMG	C19-C18	-3.57	1.34	1.51
14	K	102	CLA	CHD-C4C	3.57	1.47	1.39
14	B	809	CLA	OBD-CAD	3.57	1.28	1.22
14	B	802	CLA	C4B-NB	-3.57	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	830	CLA	CHC-C4B	3.57	1.47	1.39
14	Z	837	CLA	C1B-NB	-3.57	1.33	1.37
14	A	827	CLA	CHC-C4B	3.57	1.47	1.39
14	A	825	CLA	CHB-C1B	3.57	1.47	1.39
14	g	101	CLA	MG-NC	3.57	2.14	2.06
14	G	817	CLA	OBD-CAD	3.57	1.28	1.22
14	A	809	CLA	CHB-C1B	3.57	1.47	1.39
14	Z	808	CLA	CHC-C1C	3.57	1.45	1.38
14	B	819	CLA	C1D-ND	-3.57	1.33	1.37
14	Z	827	CLA	CHC-C4B	3.56	1.47	1.39
14	L	204	CLA	C3C-C2C	3.56	1.44	1.36
14	B	821	CLA	CHB-C1B	3.56	1.47	1.39
14	H	811	CLA	C1B-NB	-3.56	1.33	1.37
14	Y	831	CLA	CHD-C1D	3.56	1.45	1.38
14	Y	836	CLA	CHB-C1B	3.56	1.47	1.39
14	B	801	CLA	CHB-C1B	3.56	1.47	1.39
14	G	808	CLA	CHB-C1B	3.56	1.47	1.39
14	Z	803	CLA	CHB-C1B	3.56	1.47	1.39
14	Z	808	CLA	CHB-C1B	3.56	1.47	1.39
17	i	101	BCR	C11-C12	-3.56	1.25	1.34
14	B	823	CLA	OBD-CAD	3.56	1.28	1.22
14	Z	815	CLA	C1B-NB	-3.56	1.33	1.37
17	H	842	BCR	C11-C12	-3.56	1.25	1.34
14	G	852	CLA	CHC-C4B	3.56	1.47	1.39
14	Y	808	CLA	OBD-CAD	3.56	1.28	1.22
14	A	814	CLA	OBD-CAD	3.56	1.28	1.22
14	Y	809	CLA	CHB-C1B	3.56	1.47	1.39
14	B	824	CLA	C1D-ND	-3.56	1.33	1.37
14	Z	820	CLA	CHC-C4B	3.56	1.47	1.39
14	Y	841	CLA	OBD-CAD	3.56	1.28	1.22
19	H	848	LMG	C37-C36	-3.56	1.34	1.51
14	Z	812	CLA	C3D-C2D	3.56	1.48	1.39
14	Z	809	CLA	CHD-C4C	3.56	1.47	1.39
14	Z	823	CLA	CHC-C4B	3.56	1.47	1.39
14	H	836	CLA	C3D-C2D	3.55	1.48	1.39
14	H	851	CLA	OBD-CAD	3.55	1.28	1.22
19	B	848	LMG	C37-C36	-3.55	1.34	1.51
14	B	805	CLA	CHC-C4B	3.55	1.47	1.39
17	Z	844	BCR	C10-C9	-3.55	1.27	1.35
14	B	823	CLA	CHD-C4C	3.55	1.47	1.39
14	A	806	CLA	CHC-C4B	3.55	1.47	1.39
14	B	838	CLA	MG-NC	3.55	2.14	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	828	CLA	CHD-C4C	3.55	1.47	1.39
17	B	846	BCR	C11-C12	-3.54	1.25	1.34
14	A	826	CLA	C4B-NB	-3.54	1.33	1.37
14	H	816	CLA	C1D-ND	-3.54	1.33	1.37
14	A	823	CLA	C1B-NB	-3.54	1.33	1.37
17	B	850	BCR	C11-C12	-3.54	1.25	1.34
14	Z	813	CLA	C3D-C2D	3.54	1.48	1.39
17	G	845	BCR	C10-C9	-3.54	1.27	1.35
14	Y	836	CLA	C1B-NB	-3.54	1.33	1.37
14	Y	831	CLA	CHB-C1B	3.54	1.47	1.39
14	Y	824	CLA	C1B-NB	-3.54	1.33	1.37
14	A	832	CLA	CHB-C1B	3.54	1.47	1.39
14	H	840	CLA	C1B-C2B	3.54	1.51	1.43
14	H	829	CLA	OBD-CAD	3.53	1.28	1.22
17	Y	852	BCR	C10-C9	-3.53	1.27	1.35
17	Z	847	BCR	C10-C9	-3.53	1.27	1.35
14	B	830	CLA	CHD-C4C	3.53	1.47	1.39
14	G	852	CLA	CHD-C4C	3.53	1.47	1.39
14	B	809	CLA	CHD-C4C	3.53	1.47	1.39
14	U	1004	CLA	CHB-C1B	3.53	1.47	1.39
14	Y	828	CLA	C4B-NB	-3.52	1.33	1.37
14	H	808	CLA	C1B-NB	-3.52	1.33	1.37
14	H	817	CLA	C1D-ND	-3.52	1.33	1.37
14	h	206	CLA	C1B-NB	-3.52	1.33	1.37
14	Y	838	CLA	C1B-C2B	3.52	1.51	1.43
17	A	847	BCR	C10-C9	-3.52	1.27	1.35
14	Z	817	CLA	C1D-ND	-3.52	1.33	1.37
14	Z	814	CLA	MG-ND	-3.52	1.98	2.05
14	G	842	CLA	CHB-C1B	3.52	1.47	1.39
14	A	834	CLA	CHD-C1D	3.52	1.45	1.38
14	G	814	CLA	OBD-CAD	3.52	1.28	1.22
17	L	207	BCR	C11-C12	-3.52	1.25	1.34
14	h	205	CLA	C1D-ND	-3.51	1.33	1.37
14	G	810	CLA	CHB-C1B	3.51	1.47	1.39
14	B	812	CLA	C1B-C2B	3.51	1.51	1.43
14	Y	827	CLA	CHB-C1B	3.51	1.47	1.39
14	G	814	CLA	CHB-C1B	3.51	1.47	1.39
14	B	808	CLA	OBD-CAD	3.51	1.28	1.22
14	H	826	CLA	CHC-C4B	3.51	1.47	1.39
14	H	801	CLA	OBD-CAD	3.51	1.28	1.22
14	B	815	CLA	CHC-C4B	3.51	1.47	1.39
13	G	801	CL0	C1D-ND	-3.51	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	830	CLA	CHD-C4C	3.51	1.47	1.39
14	A	811	CLA	CHC-C4B	3.51	1.47	1.39
14	L	206	CLA	CHD-C4C	3.51	1.47	1.39
14	A	822	CLA	C1D-ND	-3.51	1.33	1.37
14	A	838	CLA	C1B-C2B	3.50	1.51	1.43
14	B	833	CLA	CHB-C1B	3.50	1.47	1.39
14	Z	832	CLA	CHC-C4B	3.50	1.47	1.39
14	B	809	CLA	C4B-NB	-3.50	1.33	1.37
14	H	803	CLA	MG-ND	-3.50	1.98	2.05
14	G	818	CLA	CHC-C4B	3.50	1.47	1.39
14	F	202	CLA	CHD-C4C	3.50	1.47	1.39
17	Y	852	BCR	C11-C12	-3.50	1.25	1.34
14	B	834	CLA	CHB-C1B	3.50	1.47	1.39
14	G	805	CLA	CHD-C4C	3.50	1.47	1.39
14	Y	840	CLA	CHD-C4C	3.50	1.47	1.39
14	Z	809	CLA	OBD-CAD	3.50	1.28	1.22
14	Z	820	CLA	CHB-C1B	3.50	1.47	1.39
14	Z	815	CLA	CHB-C1B	3.50	1.47	1.39
14	Z	829	CLA	CHC-C4B	3.49	1.47	1.39
17	Q	203	BCR	C10-C9	-3.49	1.27	1.35
14	Z	814	CLA	CHD-C1D	3.49	1.45	1.38
14	Z	824	CLA	C3D-C2D	3.49	1.48	1.39
14	H	810	CLA	C3C-C2C	3.49	1.44	1.36
14	G	828	CLA	OBD-CAD	3.49	1.28	1.22
14	Z	817	CLA	OBD-CAD	3.49	1.28	1.22
14	H	815	CLA	C3D-C2D	3.49	1.48	1.39
14	A	854	CLA	CHD-C4C	3.49	1.47	1.39
14	H	822	CLA	CHD-C4C	3.49	1.47	1.39
14	Y	812	CLA	OBD-CAD	3.49	1.28	1.22
14	H	826	CLA	C4B-NB	-3.49	1.33	1.37
14	B	832	CLA	C3D-C2D	3.48	1.48	1.39
14	Y	814	CLA	MG-NC	3.48	2.14	2.06
14	Y	808	CLA	CHB-C1B	3.48	1.47	1.39
14	U	1007	CLA	C3D-C4D	-3.48	1.36	1.44
14	H	831	CLA	OBD-CAD	3.48	1.28	1.22
14	Z	805	CLA	CHD-C4C	3.48	1.47	1.39
14	G	812	CLA	MG-NC	3.48	2.14	2.06
14	Y	837	CLA	C1B-NB	-3.48	1.33	1.37
14	H	851	CLA	CHD-C4C	3.48	1.47	1.39
14	A	806	CLA	CHB-C1B	3.48	1.47	1.39
14	Y	808	CLA	CHD-C4C	3.48	1.47	1.39
14	A	841	CLA	CHB-C1B	3.48	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	803	CLA	OBD-CAD	3.48	1.28	1.22
14	G	807	CLA	OBD-CAD	3.48	1.28	1.22
17	S	1105	BCR	C11-C12	-3.48	1.25	1.34
14	U	1004	CLA	C3D-C4D	-3.48	1.36	1.44
14	A	818	CLA	OBD-CAD	3.48	1.28	1.22
14	Y	822	CLA	CHB-C1B	3.48	1.47	1.39
14	Y	802	CLA	C1B-NB	-3.48	1.33	1.37
14	H	806	CLA	C1B-NB	-3.48	1.33	1.37
14	h	201	CLA	C1D-ND	-3.48	1.33	1.37
17	H	846	BCR	C10-C9	-3.48	1.27	1.35
14	S	1101	CLA	CHC-C4B	3.48	1.47	1.39
14	Z	804	CLA	CHB-C1B	3.48	1.47	1.39
14	Z	827	CLA	C1D-ND	-3.47	1.33	1.37
14	Z	816	CLA	CHB-C1B	3.47	1.47	1.39
19	Z	849	LMG	C37-C36	-3.47	1.34	1.51
14	G	826	CLA	CHC-C4B	3.47	1.47	1.39
14	Z	835	CLA	CHB-C1B	3.47	1.47	1.39
14	G	827	CLA	CHD-C4C	3.47	1.47	1.39
14	d	201	CLA	CHB-C1B	3.47	1.47	1.39
14	G	829	CLA	CHB-C1B	3.47	1.47	1.39
14	Y	830	CLA	OBD-CAD	3.47	1.28	1.22
14	U	1007	CLA	CHB-C1B	3.46	1.47	1.39
14	Y	805	CLA	C1D-C2D	3.46	1.52	1.45
14	Y	834	CLA	OBD-CAD	3.46	1.28	1.22
17	A	850	BCR	C11-C12	-3.46	1.25	1.34
14	B	817	CLA	C3D-C2D	3.46	1.48	1.39
14	G	804	CLA	C1B-NB	-3.46	1.33	1.37
14	A	838	CLA	CHC-C4B	3.46	1.47	1.39
19	Z	849	LMG	O8-C28	3.46	1.43	1.33
14	H	830	CLA	CHD-C4C	3.46	1.47	1.39
14	Z	802	CLA	C3D-C2D	3.46	1.48	1.39
14	G	832	CLA	C1D-ND	-3.46	1.33	1.37
14	B	838	CLA	C3D-C2D	3.46	1.48	1.39
17	A	846	BCR	C11-C12	-3.46	1.25	1.34
14	A	805	CLA	C3D-C2D	3.46	1.48	1.39
14	L	206	CLA	C1D-ND	-3.46	1.33	1.37
14	H	819	CLA	CHB-C1B	3.46	1.47	1.39
14	G	805	CLA	OBD-CAD	3.46	1.28	1.22
14	H	806	CLA	C3D-C2D	3.45	1.48	1.39
14	B	827	CLA	CHB-C1B	3.45	1.47	1.39
14	L	204	CLA	CHB-C1B	3.45	1.47	1.39
14	G	805	CLA	C3D-C2D	3.45	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	831	CLA	CHB-C1B	3.45	1.47	1.39
14	G	833	CLA	CHB-C1B	3.45	1.47	1.39
14	U	1002	CLA	C3D-C2D	3.45	1.48	1.39
14	G	818	CLA	C1B-C2B	3.45	1.51	1.43
14	Y	829	CLA	C4C-C3C	3.45	1.50	1.45
14	F	202	CLA	C1B-NB	-3.45	1.33	1.37
14	H	814	CLA	CHB-C1B	3.45	1.47	1.39
14	Y	804	CLA	CHB-C1B	3.45	1.47	1.39
14	Z	811	CLA	CHD-C1D	3.45	1.45	1.38
14	H	810	CLA	C1C-NC	-3.45	1.32	1.37
14	B	803	CLA	OBD-CAD	3.45	1.28	1.22
14	A	808	CLA	CHC-C4B	3.44	1.47	1.39
14	Z	827	CLA	CHB-C1B	3.44	1.47	1.39
14	Z	801	CLA	C1B-NB	-3.44	1.33	1.37
18	G	850	LHG	O8-C23	3.44	1.43	1.33
14	A	819	CLA	CHD-C4C	3.44	1.47	1.39
14	H	810	CLA	OBD-CAD	3.44	1.28	1.22
14	A	854	CLA	C1D-ND	-3.44	1.33	1.37
14	H	828	CLA	CHB-C1B	3.44	1.47	1.39
14	A	832	CLA	CHD-C4C	3.44	1.47	1.39
17	Z	850	BCR	C11-C12	-3.43	1.25	1.34
14	Z	839	CLA	OBD-CAD	3.43	1.28	1.22
14	G	818	CLA	C1D-ND	-3.43	1.33	1.37
14	Z	810	CLA	CHC-C1C	3.43	1.45	1.38
14	h	204	CLA	C3D-C2D	3.43	1.48	1.39
14	G	853	CLA	OBD-CAD	3.43	1.28	1.22
14	B	805	CLA	C1B-NB	-3.43	1.33	1.37
14	G	832	CLA	OBD-CAD	3.43	1.28	1.22
14	G	808	CLA	C1D-ND	-3.43	1.33	1.37
14	B	824	CLA	CHB-C1B	3.43	1.47	1.39
14	G	837	CLA	CHB-C1B	3.43	1.47	1.39
14	U	1002	CLA	C1C-NC	-3.43	1.32	1.37
14	H	811	CLA	OBD-CAD	3.43	1.28	1.22
14	H	809	CLA	MG-ND	-3.43	1.99	2.05
14	Z	812	CLA	CHB-C1B	3.43	1.47	1.39
14	B	813	CLA	CHB-C1B	3.42	1.47	1.39
14	B	828	CLA	MG-ND	-3.42	1.99	2.05
14	Z	812	CLA	C1B-NB	-3.42	1.33	1.37
14	A	834	CLA	OBD-CAD	3.42	1.28	1.22
14	G	806	CLA	C1D-ND	-3.42	1.33	1.37
14	G	822	CLA	CHB-C1B	3.42	1.47	1.39
14	A	802	CLA	C4B-NB	-3.42	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	814	CLA	C1D-ND	-3.42	1.33	1.37
14	Z	810	CLA	C1B-NB	-3.42	1.33	1.37
14	Z	835	CLA	C3D-C2D	3.42	1.48	1.39
14	Y	821	CLA	CHB-C1B	3.42	1.47	1.39
14	Y	832	CLA	C1D-ND	-3.42	1.33	1.37
14	G	819	CLA	CHB-C1B	3.42	1.47	1.39
17	Y	847	BCR	C11-C12	-3.42	1.25	1.34
14	Y	811	CLA	C3D-C2D	3.42	1.48	1.39
14	G	809	CLA	CHD-C4C	3.41	1.47	1.39
14	U	1002	CLA	CHB-C1B	3.41	1.47	1.39
14	Z	806	CLA	CHC-C4B	3.41	1.47	1.39
14	G	829	CLA	C3D-C2D	3.41	1.48	1.39
14	A	805	CLA	C1B-NB	-3.41	1.33	1.37
14	Z	831	CLA	C1B-NB	-3.41	1.33	1.37
14	A	826	CLA	CHC-C4B	3.41	1.47	1.39
14	S	1101	CLA	C1B-NB	-3.41	1.33	1.37
17	I	101	BCR	C11-C12	-3.41	1.25	1.34
14	G	826	CLA	CHB-C1B	3.41	1.47	1.39
17	H	850	BCR	C11-C12	-3.41	1.25	1.34
14	B	837	CLA	CHD-C1D	3.40	1.45	1.38
14	H	828	CLA	CHC-C4B	3.40	1.47	1.39
13	A	801	CL0	C1C-NC	-3.40	1.32	1.37
14	A	838	CLA	MG-NC	3.40	2.14	2.06
14	H	824	CLA	MG-NC	3.40	2.14	2.06
17	A	851	BCR	C11-C12	-3.40	1.25	1.34
14	G	803	CLA	CHB-C1B	3.40	1.47	1.39
14	Y	838	CLA	C3D-C2D	3.40	1.48	1.39
14	H	836	CLA	CHD-C4C	3.40	1.46	1.39
14	H	807	CLA	CHB-C1B	3.40	1.47	1.39
14	H	828	CLA	C3D-C2D	3.39	1.48	1.39
14	G	853	CLA	C1C-NC	-3.39	1.32	1.37
14	A	812	CLA	OBD-CAD	3.39	1.28	1.22
14	H	828	CLA	C1B-NB	-3.39	1.33	1.37
14	A	827	CLA	C1B-NB	-3.39	1.33	1.37
14	Z	813	CLA	C1B-NB	-3.39	1.33	1.37
14	H	833	CLA	C1B-NB	-3.39	1.33	1.37
14	Y	818	CLA	OBD-CAD	3.39	1.28	1.22
14	H	807	CLA	C1D-ND	-3.39	1.33	1.37
14	Z	825	CLA	C1D-ND	-3.39	1.33	1.37
14	Z	804	CLA	MG-ND	-3.39	1.99	2.05
14	G	840	CLA	C1D-ND	-3.39	1.33	1.37
14	U	1004	CLA	C3D-C2D	3.39	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	T	103	CLA	C3D-C2D	3.38	1.48	1.39
14	A	803	CLA	C1C-NC	-3.38	1.32	1.37
14	G	821	CLA	OBD-CAD	3.38	1.28	1.22
14	Y	803	CLA	CHD-C4C	3.38	1.46	1.39
14	Z	805	CLA	C3C-C2C	3.38	1.44	1.36
14	G	826	CLA	C1B-C2B	3.37	1.51	1.43
13	G	801	CL0	C3D-C2D	3.37	1.48	1.39
14	H	813	CLA	C3D-C2D	3.37	1.48	1.39
14	G	836	CLA	C1B-NB	-3.37	1.33	1.37
14	A	825	CLA	CHD-C4C	3.37	1.46	1.39
14	B	809	CLA	CHC-C4B	3.37	1.47	1.39
14	B	823	CLA	C1B-NB	-3.37	1.33	1.37
14	Z	841	CLA	C1D-ND	-3.37	1.33	1.37
14	Z	818	CLA	C3D-C2D	3.37	1.48	1.39
14	A	839	CLA	CHD-C4C	3.37	1.46	1.39
14	Z	803	CLA	C1B-NB	-3.37	1.33	1.37
17	R	102	BCR	C11-C12	-3.37	1.25	1.34
14	J	102	CLA	CHB-C1B	3.37	1.47	1.39
14	G	812	CLA	OBD-CAD	3.37	1.28	1.22
14	A	834	CLA	C1D-ND	-3.37	1.33	1.37
14	h	201	CLA	MG-ND	-3.37	1.99	2.05
14	G	825	CLA	C1B-NB	-3.37	1.33	1.37
14	Z	818	CLA	CHB-C1B	3.37	1.47	1.39
14	Z	820	CLA	MG-ND	-3.37	1.99	2.05
14	B	826	CLA	CHB-C1B	3.36	1.47	1.39
14	A	807	CLA	OBD-CAD	3.36	1.28	1.22
14	T	103	CLA	C1B-NB	-3.36	1.33	1.37
14	A	803	CLA	CHC-C4B	3.36	1.47	1.39
14	G	811	CLA	CHC-C4B	3.36	1.47	1.39
13	Y	801	CL0	C3D-C2D	3.36	1.48	1.39
14	Z	834	CLA	CHB-C1B	3.36	1.47	1.39
17	U	1008	BCR	C11-C12	-3.36	1.25	1.34
14	G	804	CLA	CHB-C1B	3.36	1.46	1.39
14	H	816	CLA	C1B-C2B	3.35	1.51	1.43
14	W	1701	CLA	MG-NC	3.35	2.14	2.06
14	A	802	CLA	CHB-C1B	3.35	1.46	1.39
14	G	853	CLA	CHC-C4B	3.35	1.46	1.39
14	U	1004	CLA	C4B-NB	-3.35	1.33	1.37
14	A	829	CLA	C1D-ND	-3.35	1.33	1.37
14	B	829	CLA	C1B-NB	-3.35	1.33	1.37
14	B	807	CLA	CHC-C4B	3.35	1.46	1.39
14	Y	833	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	205	CLA	C1B-C2B	3.35	1.51	1.43
14	Z	819	CLA	C1D-C2D	3.35	1.52	1.45
14	B	813	CLA	C1B-NB	-3.34	1.33	1.37
14	Z	804	CLA	OBD-CAD	3.34	1.28	1.22
14	A	834	CLA	CHD-C4C	3.34	1.46	1.39
14	B	831	CLA	C1B-C2B	3.34	1.51	1.43
14	G	826	CLA	MG-ND	-3.34	1.99	2.05
14	A	831	CLA	CHB-C1B	3.34	1.46	1.39
14	Z	801	CLA	C1D-ND	-3.34	1.33	1.37
17	B	843	BCR	C11-C12	-3.34	1.26	1.34
14	G	829	CLA	C1B-NB	-3.34	1.33	1.37
14	Y	832	CLA	CHD-C4C	3.34	1.46	1.39
14	Z	827	CLA	OBD-CAD	3.34	1.28	1.22
14	A	819	CLA	C1D-ND	-3.34	1.33	1.37
14	H	802	CLA	CHB-C1B	3.33	1.46	1.39
14	A	803	CLA	C3D-C2D	3.33	1.48	1.39
14	Y	832	CLA	CHC-C4B	3.33	1.46	1.39
14	F	202	CLA	CHB-C1B	3.33	1.46	1.39
14	G	837	CLA	CHC-C4B	3.33	1.46	1.39
14	G	810	CLA	C3D-C2D	3.33	1.48	1.39
14	U	1006	CLA	C1B-C2B	3.33	1.50	1.43
17	M	101	BCR	C11-C12	-3.33	1.26	1.34
14	J	102	CLA	C4D-CHA	3.33	1.49	1.38
14	H	809	CLA	CHB-C1B	3.33	1.46	1.39
14	H	825	CLA	CHB-C1B	3.33	1.46	1.39
14	Y	840	CLA	MG-ND	-3.33	1.99	2.05
14	Y	829	CLA	C1B-NB	-3.33	1.33	1.37
14	Z	808	CLA	CHC-C4B	3.33	1.46	1.39
14	H	833	CLA	C3D-C2D	3.32	1.48	1.39
14	Y	833	CLA	CHB-C1B	3.32	1.46	1.39
14	Z	821	CLA	OBD-CAD	3.32	1.28	1.22
14	G	833	CLA	CHC-C4B	3.32	1.46	1.39
14	Z	811	CLA	CHD-C4C	3.32	1.46	1.39
14	A	841	CLA	C1C-NC	-3.32	1.32	1.37
14	H	820	CLA	CHD-C4C	3.32	1.46	1.39
19	Z	849	LMG	C19-C18	-3.32	1.35	1.51
14	Z	840	CLA	C1D-ND	-3.32	1.33	1.37
14	U	1006	CLA	CHD-C4C	3.32	1.46	1.39
14	Z	832	CLA	CHD-C4C	3.32	1.46	1.39
14	G	852	CLA	C4B-NB	-3.32	1.33	1.37
14	H	803	CLA	C1D-ND	-3.32	1.33	1.37
14	B	826	CLA	MG-ND	-3.32	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	805	CLA	CHB-C1B	3.31	1.46	1.39
14	H	807	CLA	CHD-C4C	3.31	1.46	1.39
14	B	808	CLA	C1D-ND	-3.31	1.33	1.37
14	B	807	CLA	C1B-NB	-3.31	1.33	1.37
14	h	206	CLA	C4B-NB	-3.31	1.33	1.37
14	B	837	CLA	OBD-CAD	3.31	1.28	1.22
14	G	818	CLA	C1B-NB	-3.31	1.33	1.37
14	A	840	CLA	C1D-ND	-3.31	1.33	1.37
14	A	828	CLA	OBD-CAD	3.31	1.28	1.22
14	A	842	CLA	C1D-ND	-3.31	1.33	1.37
14	H	827	CLA	CHB-C1B	3.31	1.46	1.39
14	A	802	CLA	C1C-NC	-3.31	1.32	1.37
14	Z	830	CLA	C1B-NB	-3.31	1.33	1.37
14	Z	830	CLA	C1B-C2B	3.31	1.50	1.43
14	Z	839	CLA	CHB-C1B	3.31	1.46	1.39
14	G	811	CLA	C1B-NB	-3.31	1.33	1.37
14	H	811	CLA	CHB-C1B	3.30	1.46	1.39
14	Z	808	CLA	C3C-C2C	3.30	1.43	1.36
14	H	812	CLA	OBD-CAD	3.30	1.28	1.22
14	B	810	CLA	C3D-C2D	3.30	1.48	1.39
14	Z	815	CLA	OBD-CAD	3.30	1.28	1.22
14	J	102	CLA	C3D-C2D	3.30	1.48	1.39
14	Z	825	CLA	C3D-C2D	3.30	1.48	1.39
17	F	201	BCR	C11-C12	-3.30	1.26	1.34
14	H	840	CLA	C1C-NC	-3.30	1.32	1.37
14	H	803	CLA	OBD-CAD	3.30	1.28	1.22
14	B	831	CLA	C1D-ND	-3.30	1.33	1.37
14	G	828	CLA	C1B-NB	-3.30	1.33	1.37
14	Z	807	CLA	C1D-ND	-3.30	1.33	1.37
17	G	848	BCR	C11-C12	-3.30	1.26	1.34
13	G	801	CL0	MG-NC	3.30	2.14	2.06
14	B	830	CLA	C1B-NB	-3.29	1.33	1.37
14	H	806	CLA	OBD-CAD	3.29	1.28	1.22
14	G	841	CLA	C1C-NC	-3.29	1.32	1.37
14	G	852	CLA	CHB-C1B	3.29	1.46	1.39
14	G	802	CLA	C3D-C2D	3.29	1.48	1.39
14	H	837	CLA	C3D-C2D	3.29	1.48	1.39
14	U	1007	CLA	C1B-NB	-3.29	1.33	1.37
14	G	838	CLA	CHC-C4B	3.29	1.46	1.39
14	d	202	CLA	MG-NC	3.29	2.14	2.06
14	G	837	CLA	C3D-C2D	3.29	1.48	1.39
14	H	823	CLA	C1D-C2D	3.29	1.51	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	840	CLA	CHD-C4C	3.29	1.46	1.39
14	A	807	CLA	CHB-C1B	3.29	1.46	1.39
13	A	801	CL0	C4B-NB	-3.29	1.33	1.37
14	H	820	CLA	C1D-ND	-3.29	1.33	1.37
14	H	823	CLA	C1B-C2B	3.28	1.50	1.43
14	A	827	CLA	CHB-C1B	3.28	1.46	1.39
14	Z	828	CLA	CHC-C4B	3.28	1.46	1.39
14	B	836	CLA	CHD-C4C	3.28	1.46	1.39
14	Z	807	CLA	MG-ND	-3.28	1.99	2.05
14	H	827	CLA	CHD-C4C	3.28	1.46	1.39
14	G	838	CLA	C1D-C2D	3.28	1.51	1.45
14	G	821	CLA	C1D-ND	-3.28	1.33	1.37
19	B	848	LMG	C22-C21	-3.28	1.35	1.51
14	G	841	CLA	OBD-CAD	3.28	1.28	1.22
14	B	806	CLA	CHC-C4B	3.28	1.46	1.39
14	Z	821	CLA	CHB-C1B	3.28	1.46	1.39
14	G	814	CLA	C4D-CHA	3.28	1.49	1.38
14	H	820	CLA	MG-ND	-3.27	1.99	2.05
13	G	801	CL0	C1C-NC	-3.27	1.32	1.37
14	Y	835	CLA	C3D-C2D	3.27	1.47	1.39
14	A	840	CLA	MG-NC	3.27	2.14	2.06
14	G	831	CLA	MG-ND	-3.27	1.99	2.05
17	Z	848	BCR	C11-C12	-3.27	1.26	1.34
14	S	1102	CLA	C3D-C2D	3.27	1.47	1.39
14	B	812	CLA	CHC-C4B	3.27	1.46	1.39
14	H	820	CLA	C3D-C2D	3.27	1.47	1.39
14	A	822	CLA	OBD-CAD	3.27	1.28	1.22
14	Y	826	CLA	C1B-NB	-3.27	1.33	1.37
14	Z	823	CLA	OBD-CAD	3.27	1.28	1.22
14	Y	838	CLA	MG-NC	3.27	2.14	2.06
14	Z	822	CLA	C3D-C2D	3.27	1.47	1.39
14	Z	840	CLA	CHD-C4C	3.27	1.46	1.39
17	J	103	BCR	C11-C12	-3.26	1.26	1.34
14	H	834	CLA	C1B-C2B	3.26	1.50	1.43
14	L	205	CLA	CHD-C4C	3.26	1.46	1.39
14	U	1002	CLA	C1D-ND	-3.26	1.33	1.37
14	H	826	CLA	OBD-CAD	3.26	1.28	1.22
14	Y	837	CLA	MG-NC	3.26	2.14	2.06
14	B	828	CLA	CHC-C4B	3.26	1.46	1.39
14	G	852	CLA	C3D-C2D	3.26	1.47	1.39
14	A	838	CLA	C3D-C2D	3.26	1.47	1.39
14	Z	823	CLA	C1B-NB	-3.25	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	806	CLA	CHB-C1B	3.25	1.46	1.39
14	Y	809	CLA	C3D-C2D	3.25	1.47	1.39
14	H	821	CLA	C1D-C2D	3.25	1.51	1.45
14	B	840	CLA	C1B-NB	-3.25	1.33	1.37
14	B	802	CLA	CHB-C1B	3.25	1.46	1.39
14	X	1701	CLA	MG-NC	3.25	2.14	2.06
14	B	840	CLA	CHC-C4B	3.25	1.46	1.39
14	Y	808	CLA	C1D-ND	-3.25	1.33	1.37
14	H	829	CLA	CHC-C1C	3.25	1.45	1.38
14	U	1003	CLA	CHD-C4C	3.25	1.46	1.39
14	Y	802	CLA	CHB-C1B	3.25	1.46	1.39
14	Y	827	CLA	C3B-C4B	3.25	1.52	1.42
14	S	1103	CLA	C1B-C2B	3.24	1.50	1.43
14	B	836	CLA	C1B-NB	-3.24	1.33	1.37
14	A	805	CLA	CHB-C1B	3.24	1.46	1.39
14	B	832	CLA	C1B-NB	-3.24	1.33	1.37
14	B	837	CLA	CHD-C4C	3.24	1.46	1.39
14	Z	824	CLA	OBD-CAD	3.24	1.28	1.22
14	Z	824	CLA	MG-NC	3.24	2.14	2.06
14	H	820	CLA	CHC-C4B	3.23	1.46	1.39
14	Y	841	CLA	C1C-NC	-3.23	1.32	1.37
14	Z	812	CLA	C1D-ND	-3.23	1.33	1.37
14	A	833	CLA	MG-NC	3.23	2.13	2.06
14	B	809	CLA	C1B-C2B	3.23	1.50	1.43
14	H	824	CLA	C3D-C2D	3.23	1.47	1.39
14	Z	833	CLA	C1D-ND	-3.23	1.33	1.37
17	h	202	BCR	C11-C12	-3.23	1.26	1.34
14	G	841	CLA	MG-NC	3.23	2.13	2.06
14	B	830	CLA	OBD-CAD	3.23	1.28	1.22
14	Z	835	CLA	MG-NC	3.23	2.13	2.06
14	Q	202	CLA	C3D-C2D	3.23	1.47	1.39
13	Y	801	CL0	MG-NC	3.23	2.13	2.06
14	G	810	CLA	C4D-CHA	3.23	1.49	1.38
14	Y	807	CLA	C1D-C2D	3.23	1.51	1.45
14	U	1006	CLA	C3D-C2D	3.23	1.47	1.39
17	Y	844	BCR	C10-C9	-3.22	1.28	1.35
14	H	808	CLA	CHD-C4C	3.22	1.46	1.39
14	A	826	CLA	C4C-C3C	3.22	1.50	1.45
14	B	836	CLA	CHD-C1D	3.22	1.44	1.38
14	H	810	CLA	CHD-C4C	3.22	1.46	1.39
14	Y	825	CLA	C4B-NB	-3.22	1.33	1.37
14	Z	830	CLA	MG-ND	-3.22	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	810	CLA	C1D-ND	-3.22	1.33	1.37
14	A	805	CLA	C1D-ND	-3.21	1.33	1.37
14	H	810	CLA	C1D-ND	-3.21	1.33	1.37
14	Z	815	CLA	C3D-C2D	3.21	1.47	1.39
14	B	818	CLA	CHB-C1B	3.21	1.46	1.39
14	B	827	CLA	C3D-C2D	3.21	1.47	1.39
14	Z	836	CLA	C1B-NB	-3.21	1.33	1.37
14	G	819	CLA	C3D-C2D	3.21	1.47	1.39
14	Y	818	CLA	C3D-C2D	3.21	1.47	1.39
14	Z	829	CLA	C4B-NB	-3.21	1.33	1.37
14	Y	836	CLA	C3D-C2D	3.21	1.47	1.39
14	Z	841	CLA	C1B-C2B	3.21	1.50	1.43
14	L	206	CLA	CHB-C1B	3.21	1.46	1.39
17	Y	845	BCR	C11-C12	-3.21	1.26	1.34
14	J	102	CLA	MG-NC	3.21	2.13	2.06
14	A	830	CLA	C3D-C2D	3.21	1.47	1.39
17	h	202	BCR	C10-C9	-3.21	1.28	1.35
14	Y	833	CLA	C4C-C3C	3.21	1.50	1.45
14	B	829	CLA	CHB-C1B	3.21	1.46	1.39
14	B	830	CLA	MG-ND	-3.21	1.99	2.05
14	Z	811	CLA	MG-ND	-3.21	1.99	2.05
14	A	825	CLA	C4B-NB	-3.20	1.33	1.37
14	A	812	CLA	CHC-C4B	3.20	1.46	1.39
14	G	825	CLA	MG-ND	-3.20	1.99	2.05
14	d	202	CLA	C3D-C2D	3.20	1.47	1.39
14	H	815	CLA	CHD-C4C	3.20	1.46	1.39
17	A	849	BCR	C11-C12	-3.20	1.26	1.34
14	G	804	CLA	C3D-C2D	3.20	1.47	1.39
14	B	807	CLA	C1D-ND	-3.20	1.33	1.37
14	F	202	CLA	MG-NC	3.20	2.13	2.06
14	G	840	CLA	CHB-C1B	3.20	1.46	1.39
14	H	834	CLA	CHC-C4B	3.20	1.46	1.39
14	Y	824	CLA	OBD-CAD	3.20	1.28	1.22
14	B	822	CLA	C3D-C2D	3.20	1.47	1.39
17	H	847	BCR	C10-C9	-3.20	1.28	1.35
14	G	828	CLA	CHB-C1B	3.20	1.46	1.39
14	A	808	CLA	C1D-ND	-3.20	1.33	1.37
14	A	843	CLA	C1B-C2B	3.20	1.50	1.43
14	H	825	CLA	C4D-CHA	3.20	1.49	1.38
14	H	851	CLA	C1B-C2B	3.20	1.50	1.43
14	Y	810	CLA	C1B-C2B	3.19	1.50	1.43
14	L	201	CLA	MG-NC	3.19	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	1101	CLA	OBD-CAD	3.19	1.28	1.22
14	G	825	CLA	C3D-C2D	3.19	1.47	1.39
14	Y	836	CLA	C4C-C3C	3.19	1.50	1.45
14	Z	829	CLA	C4D-CHA	3.19	1.49	1.38
14	H	821	CLA	MG-NC	3.19	2.13	2.06
14	H	833	CLA	CHB-C1B	3.19	1.46	1.39
14	j	102	CLA	MG-NC	3.19	2.13	2.06
14	A	817	CLA	C1B-C2B	3.19	1.50	1.43
14	G	802	CLA	C1B-NB	-3.19	1.33	1.37
14	G	825	CLA	MG-NC	3.19	2.13	2.06
14	Z	809	CLA	CHC-C4B	3.19	1.46	1.39
14	G	829	CLA	MG-NC	3.19	2.13	2.06
14	A	802	CLA	C1D-ND	-3.19	1.33	1.37
14	H	827	CLA	C4B-NB	-3.19	1.33	1.37
14	H	832	CLA	C1D-ND	-3.19	1.33	1.37
14	A	840	CLA	C1B-C2B	3.18	1.50	1.43
14	G	819	CLA	C1B-NB	-3.18	1.33	1.37
14	G	841	CLA	C3D-C2D	3.18	1.47	1.39
14	Y	811	CLA	OBD-CAD	3.18	1.28	1.22
14	H	820	CLA	C1B-NB	-3.18	1.33	1.37
14	U	1002	CLA	CHC-C4B	3.18	1.46	1.39
14	H	821	CLA	C4D-CHA	3.18	1.49	1.38
17	L	208	BCR	C11-C12	-3.18	1.26	1.34
14	Z	840	CLA	C3D-C2D	3.18	1.47	1.39
14	S	1101	CLA	C4B-NB	-3.18	1.33	1.37
14	Z	837	CLA	C1D-ND	-3.18	1.33	1.37
14	Z	810	CLA	MG-ND	-3.18	1.99	2.05
14	H	827	CLA	C1C-NC	-3.18	1.32	1.37
14	H	827	CLA	OBD-CAD	3.18	1.28	1.22
14	Y	838	CLA	C4C-C3C	3.18	1.50	1.45
14	G	838	CLA	CHB-C1B	3.18	1.46	1.39
14	B	809	CLA	C1B-NB	-3.18	1.33	1.37
14	A	813	CLA	OBD-CAD	3.18	1.28	1.22
14	B	813	CLA	C1D-ND	-3.18	1.33	1.37
14	Y	821	CLA	C3D-C2D	3.17	1.47	1.39
14	Z	835	CLA	C1B-NB	-3.17	1.33	1.37
14	F	202	CLA	C3D-C2D	3.17	1.47	1.39
14	Y	840	CLA	C1B-NB	-3.17	1.33	1.37
14	f	101	CLA	MG-NC	3.17	2.13	2.06
14	f	102	CLA	MG-NC	3.17	2.13	2.06
14	H	821	CLA	C3D-C2D	3.17	1.47	1.39
13	Y	801	CL0	C1B-NB	-3.17	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	808	CLA	MG-ND	-3.17	1.99	2.05
14	H	805	CLA	C3D-C2D	3.17	1.47	1.39
14	Z	838	CLA	MG-NC	3.17	2.13	2.06
14	B	803	CLA	C1B-C2B	3.17	1.50	1.43
14	B	835	CLA	MG-NC	3.17	2.13	2.06
14	B	815	CLA	C3D-C2D	3.17	1.47	1.39
14	A	820	CLA	C3D-C2D	3.17	1.47	1.39
14	A	825	CLA	C3D-C2D	3.17	1.47	1.39
14	H	830	CLA	MG-NC	3.17	2.13	2.06
14	B	840	CLA	C3D-C2D	3.17	1.47	1.39
14	Y	833	CLA	C1D-ND	-3.16	1.33	1.37
14	B	822	CLA	C1B-C2B	3.16	1.50	1.43
14	K	101	CLA	OBD-CAD	3.16	1.29	1.23
14	G	853	CLA	CHB-C1B	3.16	1.46	1.39
14	A	802	CLA	C3D-C2D	3.16	1.47	1.39
14	A	803	CLA	C1B-NB	-3.16	1.33	1.37
14	L	206	CLA	C3D-C2D	3.16	1.47	1.39
14	Y	825	CLA	C1B-C2B	3.16	1.50	1.43
14	Y	816	CLA	C3D-C2D	3.16	1.47	1.39
14	Z	808	CLA	CHD-C4C	3.16	1.46	1.39
14	H	818	CLA	C3D-C2D	3.16	1.47	1.39
17	B	847	BCR	C11-C12	-3.16	1.26	1.34
14	Z	835	CLA	C1D-C2D	3.16	1.51	1.45
14	U	1004	CLA	C1D-C2D	3.16	1.51	1.45
14	Z	808	CLA	C1C-NC	-3.16	1.32	1.37
14	B	838	CLA	OBD-CAD	3.16	1.27	1.22
14	Y	828	CLA	MG-ND	-3.15	1.99	2.05
14	G	802	CLA	C1C-NC	-3.15	1.32	1.37
14	B	823	CLA	C1D-ND	-3.15	1.33	1.37
14	Z	838	CLA	C1D-ND	-3.15	1.33	1.37
14	Z	828	CLA	C3D-C2D	3.15	1.47	1.39
14	Z	809	CLA	C1D-ND	-3.15	1.33	1.37
14	H	810	CLA	CHB-C1B	3.15	1.46	1.39
14	Y	841	CLA	C1D-ND	-3.15	1.33	1.37
14	A	810	CLA	C3D-C2D	3.15	1.47	1.39
14	G	838	CLA	C4D-CHA	3.15	1.49	1.38
14	G	827	CLA	MG-ND	-3.15	1.99	2.05
14	B	828	CLA	C1D-ND	-3.15	1.33	1.37
14	G	834	CLA	C3D-C2D	3.15	1.47	1.39
14	H	802	CLA	C3D-C2D	3.15	1.47	1.39
14	G	803	CLA	MG-NC	3.15	2.13	2.06
14	B	837	CLA	C1D-ND	-3.14	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	831	CLA	C4B-NB	-3.14	1.33	1.37
14	Y	822	CLA	C1B-NB	-3.14	1.33	1.37
14	A	812	CLA	C1B-NB	-3.14	1.33	1.37
14	H	839	CLA	C1D-ND	-3.14	1.33	1.37
17	G	847	BCR	C11-C12	-3.14	1.26	1.34
14	B	806	CLA	MG-ND	-3.14	1.99	2.05
14	H	817	CLA	C1B-NB	-3.14	1.33	1.37
14	G	808	CLA	C3D-C2D	3.14	1.47	1.39
14	A	831	CLA	C3D-C2D	3.14	1.47	1.39
14	A	802	CLA	C1B-NB	-3.14	1.33	1.37
14	Z	818	CLA	OBD-CAD	3.14	1.27	1.22
14	A	806	CLA	C1B-NB	-3.14	1.33	1.37
14	d	202	CLA	C1B-C2B	3.14	1.50	1.43
14	Z	808	CLA	CHD-C1D	3.14	1.44	1.38
14	Y	802	CLA	C4D-CHA	3.14	1.49	1.38
14	A	823	CLA	CHC-C4B	3.14	1.46	1.39
17	Z	845	BCR	C10-C9	-3.14	1.28	1.35
14	A	823	CLA	C4B-NB	-3.14	1.33	1.37
14	H	825	CLA	C3D-C2D	3.13	1.47	1.39
14	Y	837	CLA	C3D-C2D	3.13	1.47	1.39
14	Y	823	CLA	C3D-C2D	3.13	1.47	1.39
14	H	834	CLA	C1B-NB	-3.13	1.33	1.37
14	Z	808	CLA	C1B-C2B	3.13	1.50	1.43
14	A	813	CLA	C3D-C2D	3.13	1.47	1.39
14	Z	821	CLA	C3D-C2D	3.13	1.47	1.39
14	Y	803	CLA	C1B-C2B	3.13	1.50	1.43
14	A	817	CLA	MG-NC	3.13	2.13	2.06
14	Z	828	CLA	C1C-NC	-3.12	1.33	1.37
14	B	815	CLA	C1B-NB	-3.12	1.33	1.37
14	B	820	CLA	MG-NC	3.12	2.13	2.06
14	Y	835	CLA	MG-NC	3.12	2.13	2.06
14	B	803	CLA	C4B-NB	-3.12	1.33	1.37
14	Z	838	CLA	C1B-C2B	3.12	1.50	1.43
14	B	814	CLA	C1B-C2B	3.12	1.50	1.43
14	B	824	CLA	MG-ND	-3.12	1.99	2.05
14	H	829	CLA	CHC-C4B	3.12	1.46	1.39
14	G	818	CLA	C3D-C2D	3.12	1.47	1.39
14	B	828	CLA	CHB-C1B	3.12	1.46	1.39
14	Z	811	CLA	C1B-NB	-3.12	1.33	1.37
14	Z	832	CLA	C1D-ND	-3.12	1.33	1.37
14	A	811	CLA	C3D-C2D	3.12	1.47	1.39
14	H	809	CLA	C3D-C2D	3.12	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	824	CLA	C4C-C3C	3.12	1.50	1.45
14	H	838	CLA	C3D-C2D	3.12	1.47	1.39
14	B	819	CLA	C1B-NB	-3.12	1.33	1.37
14	Z	816	CLA	C1B-NB	-3.12	1.33	1.37
14	L	202	CLA	OBD-CAD	3.12	1.27	1.22
14	A	819	CLA	MG-ND	-3.11	1.99	2.05
14	B	812	CLA	MG-NC	3.11	2.13	2.06
14	G	824	CLA	C3D-C2D	3.11	1.47	1.39
14	G	816	CLA	C1B-NB	-3.11	1.33	1.37
14	Z	822	CLA	C4D-CHA	3.11	1.49	1.38
14	H	827	CLA	MG-ND	-3.11	1.99	2.05
17	F	203	BCR	C11-C12	-3.11	1.26	1.34
14	B	816	CLA	C1D-ND	-3.11	1.33	1.37
14	U	1002	CLA	C4B-NB	-3.11	1.33	1.37
14	G	817	CLA	MG-NC	3.11	2.13	2.06
14	h	204	CLA	MG-ND	-3.11	1.99	2.05
14	B	836	CLA	C3D-C2D	3.11	1.47	1.39
14	g	102	CLA	C3D-C2D	3.11	1.47	1.39
14	L	201	CLA	CHD-C4C	3.11	1.46	1.39
14	Q	202	CLA	MG-NC	3.11	2.13	2.06
14	Y	811	CLA	MG-NC	3.11	2.13	2.06
13	G	801	CL0	C4D-CHA	3.11	1.49	1.38
14	G	802	CLA	C1D-ND	-3.11	1.33	1.37
14	A	809	CLA	OBD-CAD	3.11	1.27	1.22
14	H	809	CLA	C1D-ND	-3.11	1.33	1.37
14	Z	814	CLA	C3D-C2D	3.10	1.47	1.39
14	H	836	CLA	C1D-ND	-3.10	1.33	1.37
14	A	826	CLA	C1C-NC	-3.10	1.33	1.37
14	B	805	CLA	C4B-NB	-3.10	1.33	1.37
14	G	831	CLA	MG-NC	3.10	2.13	2.06
14	G	831	CLA	C1B-NB	-3.10	1.33	1.37
14	A	830	CLA	C4C-C3C	3.10	1.50	1.45
14	B	832	CLA	C1D-ND	-3.10	1.33	1.37
14	Y	805	CLA	C1B-NB	-3.10	1.33	1.37
14	G	837	CLA	OBD-CAD	3.10	1.27	1.22
13	A	801	CL0	CHC-C4B	3.10	1.46	1.39
14	A	815	CLA	MG-NC	3.10	2.13	2.06
14	A	822	CLA	C1B-NB	-3.10	1.33	1.37
14	B	825	CLA	MG-NC	3.10	2.13	2.06
14	H	836	CLA	C1B-NB	-3.10	1.33	1.37
14	Z	823	CLA	MG-ND	-3.09	1.99	2.05
14	Z	803	CLA	C1D-ND	-3.09	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	827	CLA	C1B-C2B	3.09	1.50	1.43
14	A	833	CLA	C1B-C2B	3.09	1.50	1.43
14	Y	832	CLA	C1B-NB	-3.09	1.33	1.37
14	A	854	CLA	MG-ND	-3.09	1.99	2.05
14	Y	832	CLA	MG-ND	-3.09	1.99	2.05
14	X	1701	CLA	C3D-C2D	3.09	1.47	1.39
14	H	802	CLA	C1B-NB	-3.09	1.33	1.37
14	A	833	CLA	C3D-C2D	3.09	1.47	1.39
14	B	835	CLA	C1D-ND	-3.09	1.33	1.37
14	G	808	CLA	C1B-NB	-3.09	1.33	1.37
14	G	817	CLA	C1D-ND	-3.09	1.33	1.37
14	A	823	CLA	C4D-CHA	3.09	1.49	1.38
14	Y	804	CLA	C1B-NB	-3.09	1.33	1.37
17	H	846	BCR	C11-C12	-3.09	1.26	1.34
14	Y	828	CLA	C1D-ND	-3.09	1.33	1.37
14	Z	808	CLA	MG-ND	-3.09	1.99	2.05
14	B	825	CLA	C1B-C2B	3.09	1.50	1.43
14	f	101	CLA	C4D-CHA	3.09	1.49	1.38
14	Z	832	CLA	C1B-NB	-3.08	1.33	1.37
14	G	833	CLA	C1C-NC	-3.08	1.33	1.37
14	B	804	CLA	CHB-C1B	3.08	1.46	1.39
14	A	835	CLA	C3D-C2D	3.08	1.47	1.39
14	B	819	CLA	MG-ND	-3.08	1.99	2.05
14	A	810	CLA	C1D-ND	-3.08	1.33	1.37
14	H	819	CLA	C1D-ND	-3.08	1.33	1.37
14	H	814	CLA	C3D-C2D	3.08	1.47	1.39
14	G	813	CLA	MG-NC	3.08	2.13	2.06
14	Y	810	CLA	C3D-C2D	3.08	1.47	1.39
14	H	832	CLA	MG-NC	3.08	2.13	2.06
14	U	1003	CLA	C3D-C2D	3.08	1.47	1.39
13	Y	801	CL0	C1C-NC	-3.08	1.33	1.37
14	L	206	CLA	C1C-NC	-3.08	1.33	1.37
14	f	102	CLA	C3D-C2D	3.08	1.47	1.39
14	B	812	CLA	MG-ND	-3.08	1.99	2.05
14	H	805	CLA	C1B-NB	-3.08	1.33	1.37
14	Z	830	CLA	C4B-NB	-3.08	1.33	1.37
14	U	1007	CLA	CHD-C4C	3.08	1.46	1.39
14	G	815	CLA	C1D-C2D	3.08	1.51	1.45
14	Y	816	CLA	MG-NC	3.08	2.13	2.06
14	A	829	CLA	MG-ND	-3.08	1.99	2.05
14	B	819	CLA	OBD-CAD	3.08	1.27	1.22
14	B	830	CLA	C1D-ND	-3.08	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	824	CLA	C1D-ND	-3.08	1.33	1.37
14	H	813	CLA	MG-NC	3.08	2.13	2.06
14	Y	836	CLA	C4D-CHA	3.08	1.48	1.38
14	B	809	CLA	C3C-C2C	3.08	1.43	1.36
14	G	833	CLA	MG-ND	-3.08	1.99	2.05
14	Y	812	CLA	C3D-C2D	3.07	1.47	1.39
14	G	822	CLA	C1B-NB	-3.07	1.33	1.37
14	H	812	CLA	MG-ND	-3.07	1.99	2.05
14	Y	805	CLA	C3D-C2D	3.07	1.47	1.39
14	H	836	CLA	C1B-C2B	3.07	1.50	1.43
14	Y	812	CLA	C4D-CHA	3.07	1.48	1.38
14	G	821	CLA	CHB-C1B	3.07	1.46	1.39
14	U	1006	CLA	MG-ND	-3.07	1.99	2.05
14	K	102	CLA	C3D-C2D	3.07	1.47	1.39
14	B	828	CLA	C1B-NB	-3.07	1.33	1.37
14	Z	820	CLA	C3D-C2D	3.07	1.47	1.39
14	Y	834	CLA	MG-NC	3.07	2.13	2.06
14	A	819	CLA	C4B-NB	-3.07	1.33	1.37
14	H	815	CLA	C4D-CHA	3.06	1.48	1.38
14	Y	807	CLA	C3D-C2D	3.06	1.47	1.39
14	G	824	CLA	C1D-C2D	3.06	1.51	1.45
14	U	1002	CLA	C1B-C2B	3.06	1.50	1.43
14	Z	825	CLA	MG-NC	3.06	2.13	2.06
14	Z	826	CLA	C4D-CHA	3.06	1.48	1.38
14	G	813	CLA	C1B-C2B	3.06	1.50	1.43
14	H	830	CLA	CHB-C1B	3.06	1.46	1.39
14	g	101	CLA	C4C-C3C	3.06	1.50	1.45
14	G	820	CLA	MG-ND	-3.06	1.99	2.05
14	Y	803	CLA	C4D-CHA	3.06	1.48	1.38
14	Y	817	CLA	C3D-C2D	3.06	1.47	1.39
14	Y	817	CLA	C1D-C2D	3.06	1.51	1.45
14	Z	802	CLA	CHB-C1B	3.06	1.46	1.39
14	B	816	CLA	MG-NC	3.06	2.13	2.06
14	T	101	CLA	C4C-C3C	3.06	1.50	1.45
14	Y	821	CLA	MG-NC	3.05	2.13	2.06
14	G	836	CLA	MG-NC	3.05	2.13	2.06
14	A	839	CLA	MG-ND	-3.05	1.99	2.05
14	Y	828	CLA	CHB-C1B	3.05	1.46	1.39
14	H	805	CLA	C1D-ND	-3.05	1.33	1.37
14	Z	816	CLA	C3D-C2D	3.05	1.47	1.39
14	Z	828	CLA	CHB-C1B	3.05	1.46	1.39
14	A	841	CLA	C1B-NB	-3.05	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	821	CLA	C1B-NB	-3.05	1.33	1.37
14	Y	804	CLA	C1B-C2B	3.05	1.50	1.43
14	A	826	CLA	C1B-NB	-3.05	1.33	1.37
14	A	840	CLA	C1B-NB	-3.05	1.33	1.37
14	B	821	CLA	C1D-ND	-3.05	1.33	1.37
14	A	814	CLA	C1D-C2D	3.05	1.51	1.45
14	H	806	CLA	C4B-NB	-3.05	1.33	1.37
14	Y	824	CLA	C3D-C2D	3.05	1.47	1.39
14	A	803	CLA	CHB-C1B	3.05	1.46	1.39
14	Y	818	CLA	C1D-C2D	3.04	1.51	1.45
14	Y	812	CLA	MG-NC	3.04	2.13	2.06
14	G	805	CLA	C1B-C2B	3.04	1.50	1.43
13	A	801	CL0	C1B-NB	-3.04	1.33	1.37
14	A	823	CLA	C1B-C2B	3.04	1.50	1.43
14	H	805	CLA	C4B-NB	-3.04	1.33	1.37
14	H	830	CLA	C1B-NB	-3.04	1.33	1.37
14	H	832	CLA	C1B-C2B	3.04	1.50	1.43
14	h	201	CLA	C4B-NB	-3.04	1.33	1.37
14	B	818	CLA	C1B-NB	-3.04	1.33	1.37
14	W	1701	CLA	C1D-ND	-3.04	1.33	1.37
14	A	802	CLA	CHC-C4B	3.04	1.46	1.39
13	G	801	CL0	CHB-C1B	3.04	1.46	1.39
14	Y	826	CLA	MG-ND	-3.04	1.99	2.05
14	Z	806	CLA	CHB-C1B	3.04	1.46	1.39
14	B	810	CLA	C1B-C2B	3.04	1.50	1.43
14	H	838	CLA	C1B-C2B	3.04	1.50	1.43
14	B	809	CLA	C3D-C2D	3.04	1.47	1.39
14	Y	808	CLA	C3D-C2D	3.04	1.47	1.39
14	B	831	CLA	C4B-NB	-3.04	1.33	1.37
14	Z	805	CLA	MG-ND	-3.04	1.99	2.05
14	H	804	CLA	CHB-C1B	3.03	1.46	1.39
14	j	102	CLA	C1B-C2B	3.03	1.50	1.43
14	j	102	CLA	C1D-C2D	3.03	1.51	1.45
14	J	101	CLA	C3D-C2D	3.03	1.47	1.39
14	A	808	CLA	C3D-C2D	3.03	1.47	1.39
14	H	812	CLA	C3D-C2D	3.03	1.47	1.39
14	H	831	CLA	C1B-NB	-3.03	1.33	1.37
14	Y	802	CLA	C1C-NC	-3.03	1.33	1.37
14	B	831	CLA	C3D-C2D	3.03	1.47	1.39
14	B	816	CLA	MG-ND	-3.03	1.99	2.05
14	A	809	CLA	C3D-C2D	3.03	1.47	1.39
14	A	830	CLA	C1D-ND	-3.03	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	806	CLA	C3D-C2D	3.03	1.47	1.39
14	B	839	CLA	C3B-C4B	3.03	1.51	1.42
14	G	828	CLA	C1C-NC	-3.03	1.33	1.37
14	U	1003	CLA	MG-ND	-3.03	1.99	2.05
14	H	824	CLA	OBD-CAD	3.03	1.27	1.22
14	G	839	CLA	C3D-C2D	3.02	1.47	1.39
14	H	830	CLA	C3D-C2D	3.02	1.47	1.39
14	Y	833	CLA	C1B-NB	-3.02	1.33	1.37
14	B	829	CLA	C1D-C2D	3.02	1.51	1.45
14	B	805	CLA	C3D-C2D	3.02	1.47	1.39
14	A	830	CLA	OBD-CAD	3.02	1.27	1.22
17	V	101	BCR	C11-C12	-3.02	1.26	1.34
17	Z	848	BCR	C30-C25	-3.02	1.49	1.53
14	B	811	CLA	OBD-CAD	3.02	1.27	1.22
14	Z	806	CLA	C4B-NB	-3.02	1.33	1.37
13	A	801	CL0	C1B-C2B	3.02	1.50	1.43
14	B	839	CLA	C1C-NC	-3.02	1.33	1.37
14	G	824	CLA	C1B-C2B	3.02	1.50	1.43
14	H	823	CLA	C3D-C2D	3.02	1.47	1.39
14	G	826	CLA	C1D-ND	-3.02	1.33	1.37
14	F	202	CLA	C4D-CHA	3.02	1.48	1.38
14	S	1101	CLA	C1C-NC	-3.02	1.33	1.37
14	Z	833	CLA	MG-ND	-3.02	1.99	2.05
14	B	806	CLA	OBD-CAD	3.02	1.27	1.22
14	U	1007	CLA	C4B-NB	-3.02	1.33	1.37
14	G	809	CLA	MG-NC	3.02	2.13	2.06
14	H	808	CLA	C1B-C2B	3.02	1.50	1.43
14	Z	829	CLA	C3D-C2D	3.02	1.47	1.39
14	Y	825	CLA	MG-NC	3.01	2.13	2.06
14	Z	820	CLA	C1D-ND	-3.01	1.33	1.37
14	G	829	CLA	C4D-CHA	3.01	1.48	1.38
14	A	828	CLA	MG-ND	-3.01	1.99	2.05
14	Y	815	CLA	C3D-C2D	3.01	1.47	1.39
14	h	204	CLA	C1B-NB	-3.01	1.33	1.37
14	Y	822	CLA	C3D-C2D	3.01	1.47	1.39
14	G	852	CLA	C1D-ND	-3.01	1.33	1.37
17	Z	847	BCR	C11-C12	-3.01	1.26	1.34
14	Z	839	CLA	C3D-C2D	3.01	1.47	1.39
14	B	822	CLA	MG-NC	3.01	2.13	2.06
14	A	807	CLA	C1B-C2B	3.01	1.50	1.43
14	H	840	CLA	CHD-C4C	3.01	1.46	1.39
14	H	836	CLA	MG-ND	-3.01	1.99	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	838	CLA	MG-ND	-3.01	1.99	2.05
14	B	803	CLA	C4D-CHA	3.01	1.48	1.38
14	G	837	CLA	C4D-CHA	3.01	1.48	1.38
14	B	833	CLA	C3D-C2D	3.01	1.47	1.39
14	Z	815	CLA	C1B-C2B	3.00	1.50	1.43
14	G	822	CLA	C4D-CHA	3.00	1.48	1.38
14	Z	812	CLA	C4D-CHA	3.00	1.48	1.38
14	G	837	CLA	C1D-C2D	3.00	1.51	1.45
14	Y	817	CLA	MG-NC	3.00	2.13	2.06
14	H	823	CLA	C1C-NC	-3.00	1.33	1.37
14	Y	830	CLA	C3D-C2D	3.00	1.47	1.39
14	B	826	CLA	C1B-NB	-3.00	1.33	1.37
14	Y	816	CLA	C1B-C2B	3.00	1.50	1.43
14	S	1103	CLA	C3D-C2D	3.00	1.47	1.39
14	H	806	CLA	C4D-CHA	3.00	1.48	1.38
14	B	836	CLA	C4B-NB	-3.00	1.33	1.37
14	Z	812	CLA	MG-ND	-3.00	1.99	2.05
14	Z	824	CLA	C1B-C2B	3.00	1.50	1.43
14	A	804	CLA	C4B-NB	-3.00	1.33	1.37
14	A	831	CLA	C1C-NC	-3.00	1.33	1.37
14	A	819	CLA	C3D-C2D	3.00	1.47	1.39
14	H	820	CLA	C1B-C2B	3.00	1.50	1.43
14	Z	819	CLA	C3D-C2D	3.00	1.47	1.39
14	A	828	CLA	C1B-C2B	3.00	1.50	1.43
14	Z	804	CLA	C4D-CHA	3.00	1.48	1.38
14	B	810	CLA	MG-NC	3.00	2.13	2.06
14	H	839	CLA	C3D-C2D	3.00	1.47	1.39
14	Z	810	CLA	CHD-C4C	3.00	1.46	1.39
14	B	824	CLA	C4B-NB	-3.00	1.33	1.37
14	X	1701	CLA	C1B-C2B	3.00	1.50	1.43
14	Y	840	CLA	C1B-C2B	2.99	1.50	1.43
14	A	830	CLA	MG-ND	-2.99	1.99	2.05
14	B	815	CLA	C4B-NB	-2.99	1.33	1.37
14	Z	820	CLA	C4B-NB	-2.99	1.33	1.37
14	Z	808	CLA	C4B-NB	-2.99	1.33	1.37
14	K	102	CLA	C4D-CHA	2.99	1.48	1.38
14	Y	839	CLA	C1B-C2B	2.99	1.50	1.43
14	Y	815	CLA	MG-NC	2.99	2.13	2.06
14	Y	819	CLA	C4D-CHA	2.99	1.48	1.38
14	g	102	CLA	MG-NC	2.99	2.13	2.06
14	A	811	CLA	C1B-NB	-2.99	1.33	1.37
14	L	206	CLA	C1B-NB	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	MG-ND	-2.99	1.99	2.05
14	Y	833	CLA	MG-NC	2.99	2.13	2.06
14	Y	811	CLA	C1D-C2D	2.99	1.51	1.45
14	H	851	CLA	C1C-NC	-2.99	1.33	1.37
14	B	814	CLA	C3D-C2D	2.99	1.47	1.39
14	A	813	CLA	MG-NC	2.98	2.13	2.06
14	B	809	CLA	MG-ND	-2.98	1.99	2.05
14	S	1103	CLA	C1B-NB	-2.98	1.33	1.37
14	Z	834	CLA	C1D-ND	-2.98	1.33	1.37
14	A	841	CLA	C1D-C2D	2.98	1.51	1.45
13	Y	801	CL0	C4D-CHA	2.98	1.48	1.38
14	Y	825	CLA	MG-ND	-2.98	1.99	2.05
14	A	809	CLA	C4D-CHA	2.98	1.48	1.38
14	H	837	CLA	MG-NC	2.98	2.13	2.06
14	Y	825	CLA	OBD-CAD	2.98	1.27	1.22
14	A	804	CLA	MG-NC	2.98	2.13	2.06
14	H	824	CLA	MG-ND	-2.98	1.99	2.05
14	A	837	CLA	C4D-CHA	2.98	1.48	1.38
14	H	811	CLA	C3D-C2D	2.98	1.47	1.39
14	G	820	CLA	C1D-ND	-2.98	1.33	1.37
14	W	1701	CLA	C1B-C2B	2.98	1.50	1.43
14	L	201	CLA	C4B-NB	-2.98	1.34	1.37
14	A	843	CLA	MG-NC	2.97	2.13	2.06
14	G	809	CLA	C1D-ND	-2.97	1.34	1.37
14	H	812	CLA	C1D-ND	-2.97	1.34	1.37
14	U	1002	CLA	C4D-CHA	2.97	1.48	1.38
14	G	822	CLA	C3D-C2D	2.97	1.47	1.39
14	Z	813	CLA	C4D-CHA	2.97	1.48	1.38
14	A	824	CLA	C1B-NB	-2.97	1.34	1.37
14	Y	827	CLA	MG-NC	2.97	2.13	2.06
14	H	818	CLA	C1B-NB	-2.97	1.34	1.37
14	Q	202	CLA	C1B-C2B	2.97	1.50	1.43
14	Y	836	CLA	MG-NC	2.97	2.13	2.06
14	U	1004	CLA	C1C-NC	-2.97	1.33	1.37
14	A	813	CLA	C4D-CHA	2.97	1.48	1.38
17	G	849	BCR	C11-C12	-2.97	1.26	1.34
14	G	827	CLA	C3D-C2D	2.97	1.47	1.39
14	G	832	CLA	C1C-NC	-2.97	1.33	1.37
14	H	835	CLA	C4D-CHA	2.97	1.48	1.38
14	L	201	CLA	OBD-CAD	2.97	1.27	1.22
14	S	1102	CLA	C4D-CHA	2.97	1.48	1.38
14	Z	831	CLA	C1D-ND	-2.97	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	805	CLA	C1C-NC	-2.97	1.33	1.37
14	B	811	CLA	C4D-CHA	2.97	1.48	1.38
14	Z	840	CLA	C4D-CHA	2.97	1.48	1.38
14	Y	806	CLA	C3D-C2D	2.96	1.47	1.39
14	Z	811	CLA	C3D-C2D	2.96	1.47	1.39
14	B	816	CLA	C3D-C2D	2.96	1.47	1.39
14	A	843	CLA	C3D-C2D	2.96	1.47	1.39
14	H	826	CLA	C3D-C2D	2.96	1.47	1.39
14	Y	818	CLA	MG-NC	2.96	2.13	2.06
14	A	815	CLA	C4D-CHA	2.96	1.48	1.38
14	G	834	CLA	C4B-NB	-2.96	1.34	1.37
14	H	839	CLA	CHD-C4C	2.96	1.45	1.39
14	Z	824	CLA	C4D-CHA	2.96	1.48	1.38
14	Z	822	CLA	C1B-C2B	2.96	1.50	1.43
14	G	830	CLA	CHC-C4B	2.96	1.46	1.39
14	U	1003	CLA	CHB-C1B	2.96	1.46	1.39
14	G	821	CLA	C1B-NB	-2.96	1.34	1.37
14	Z	819	CLA	C1B-NB	-2.96	1.34	1.37
14	B	830	CLA	C3D-C2D	2.96	1.47	1.39
14	Y	836	CLA	MG-ND	-2.96	1.99	2.05
14	h	201	CLA	CHB-C1B	2.96	1.46	1.39
14	H	819	CLA	C4D-CHA	2.96	1.48	1.38
14	B	809	CLA	MG-NC	2.96	2.13	2.06
14	B	811	CLA	C1D-C2D	2.96	1.51	1.45
14	A	824	CLA	C3D-C2D	2.96	1.47	1.39
14	H	833	CLA	C4B-NB	-2.96	1.34	1.37
14	G	822	CLA	C1D-C2D	2.96	1.51	1.45
14	Z	832	CLA	MG-ND	-2.96	1.99	2.05
14	A	818	CLA	C1B-C2B	2.96	1.50	1.43
14	Z	818	CLA	C1B-NB	-2.96	1.34	1.37
14	G	814	CLA	MG-NC	2.96	2.13	2.06
14	G	816	CLA	C1B-C2B	2.96	1.50	1.43
14	g	101	CLA	C3D-C2D	2.96	1.47	1.39
14	A	837	CLA	MG-NC	2.95	2.13	2.06
14	B	823	CLA	C3D-C2D	2.95	1.47	1.39
14	U	1004	CLA	C4D-CHA	2.95	1.48	1.38
14	B	820	CLA	C4D-CHA	2.95	1.48	1.38
14	H	830	CLA	C1B-C2B	2.95	1.50	1.43
14	f	102	CLA	C4D-CHA	2.95	1.48	1.38
14	Z	839	CLA	MG-ND	-2.95	1.99	2.05
14	Z	814	CLA	C1B-NB	-2.95	1.34	1.37
14	F	202	CLA	C1C-NC	-2.95	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	827	CLA	MG-ND	-2.95	1.99	2.05
14	Z	830	CLA	CHC-C4B	2.95	1.46	1.39
14	H	832	CLA	C4D-CHA	2.95	1.48	1.38
14	Y	830	CLA	C1D-ND	-2.95	1.34	1.37
14	Y	819	CLA	C1B-NB	-2.95	1.34	1.37
14	A	807	CLA	C4D-CHA	2.95	1.48	1.38
14	G	834	CLA	C1D-ND	-2.95	1.34	1.37
14	Y	822	CLA	C1D-C2D	2.95	1.51	1.45
14	B	822	CLA	C4D-CHA	2.95	1.48	1.38
14	Z	818	CLA	C4D-CHA	2.95	1.48	1.38
14	Y	827	CLA	C1B-C2B	2.95	1.50	1.43
14	A	829	CLA	C1B-NB	-2.95	1.34	1.37
14	Y	823	CLA	C1B-NB	-2.95	1.34	1.37
14	Y	830	CLA	MG-ND	-2.95	1.99	2.05
14	A	836	CLA	C1C-C2C	2.95	1.50	1.44
14	A	808	CLA	C1B-C2B	2.95	1.50	1.43
14	H	810	CLA	C3D-C2D	2.95	1.47	1.39
14	Y	829	CLA	C3D-C2D	2.95	1.47	1.39
14	H	829	CLA	C1D-ND	-2.95	1.34	1.37
14	B	812	CLA	C3D-C2D	2.94	1.47	1.39
14	Y	819	CLA	C3D-C2D	2.94	1.47	1.39
14	G	819	CLA	C4D-CHA	2.94	1.48	1.38
14	G	835	CLA	C1D-C2D	2.94	1.51	1.45
14	G	812	CLA	C4D-CHA	2.94	1.48	1.38
14	B	806	CLA	C1B-NB	-2.94	1.34	1.37
14	H	837	CLA	C1B-C2B	2.94	1.50	1.43
14	G	823	CLA	C1D-ND	-2.94	1.34	1.37
14	A	842	CLA	CHB-C1B	2.94	1.46	1.39
17	T	102	BCR	C11-C12	-2.94	1.27	1.34
14	Z	823	CLA	MG-NC	2.94	2.13	2.06
14	Y	825	CLA	C1C-NC	-2.94	1.33	1.37
14	A	806	CLA	C1B-C2B	2.94	1.50	1.43
14	B	834	CLA	OBD-CAD	2.94	1.27	1.22
14	Y	815	CLA	C4D-CHA	2.94	1.48	1.38
14	Z	827	CLA	C1B-NB	-2.94	1.34	1.37
14	G	810	CLA	MG-NC	2.94	2.13	2.06
14	B	802	CLA	C1D-ND	-2.94	1.34	1.37
14	K	102	CLA	MG-NC	2.94	2.13	2.06
14	B	818	CLA	MG-ND	-2.94	2.00	2.05
14	h	206	CLA	C1C-NC	-2.94	1.33	1.37
14	B	831	CLA	C1B-NB	-2.93	1.34	1.37
14	B	808	CLA	C1B-C2B	2.93	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	828	CLA	MG-NC	2.93	2.13	2.06
14	G	852	CLA	C1C-NC	-2.93	1.33	1.37
14	B	813	CLA	C3D-C2D	2.93	1.47	1.39
17	Y	846	BCR	C11-C12	-2.93	1.27	1.34
14	A	812	CLA	C4D-CHA	2.93	1.48	1.38
14	B	837	CLA	C1B-NB	-2.93	1.34	1.37
14	Y	805	CLA	C4B-NB	-2.93	1.34	1.37
14	h	206	CLA	C1D-ND	-2.93	1.34	1.37
14	H	810	CLA	C1B-C2B	2.93	1.50	1.43
14	H	825	CLA	C1B-NB	-2.93	1.34	1.37
14	Y	814	CLA	C3D-C2D	2.93	1.47	1.39
14	H	831	CLA	MG-NC	2.93	2.13	2.06
14	Z	830	CLA	C1C-NC	-2.93	1.33	1.37
14	G	853	CLA	C1D-C2D	2.93	1.51	1.45
14	Z	821	CLA	C4D-CHA	2.93	1.48	1.38
14	G	811	CLA	C1D-ND	-2.93	1.34	1.37
14	U	1006	CLA	C1D-ND	-2.93	1.34	1.37
14	A	807	CLA	C4B-NB	-2.93	1.34	1.37
14	B	802	CLA	C4D-CHA	2.93	1.48	1.38
17	Y	848	BCR	C11-C12	-2.93	1.27	1.34
14	A	821	CLA	C3D-C2D	2.93	1.47	1.39
14	J	102	CLA	C1B-NB	-2.93	1.34	1.37
14	G	829	CLA	C4B-NB	-2.92	1.34	1.37
14	Y	837	CLA	C1D-ND	-2.92	1.34	1.37
14	B	828	CLA	C4D-CHA	2.92	1.48	1.38
14	L	205	CLA	C1D-ND	-2.92	1.34	1.37
14	G	823	CLA	C1B-NB	-2.92	1.34	1.37
14	G	832	CLA	C4B-NB	-2.92	1.34	1.37
14	W	1701	CLA	C4D-CHA	2.92	1.48	1.38
14	Z	807	CLA	C1B-C2B	2.92	1.50	1.43
13	G	801	CL0	C1D-C2D	2.92	1.51	1.45
14	U	1007	CLA	MG-ND	-2.92	2.00	2.05
14	f	101	CLA	C3D-C2D	2.92	1.47	1.39
14	B	830	CLA	C1B-C2B	2.92	1.50	1.43
14	G	853	CLA	C3D-C2D	2.92	1.47	1.39
14	H	835	CLA	C3D-C2D	2.92	1.47	1.39
13	G	801	CL0	CHC-C4B	2.92	1.46	1.39
14	H	834	CLA	C4B-NB	-2.92	1.34	1.37
14	A	810	CLA	C1B-C2B	2.92	1.50	1.43
14	B	839	CLA	C3D-C2D	2.92	1.46	1.39
14	H	809	CLA	C3C-C2C	2.92	1.43	1.36
14	H	807	CLA	C1C-C2C	2.92	1.50	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	819	CLA	CHB-C1B	2.92	1.46	1.39
14	H	815	CLA	C1B-C2B	2.92	1.50	1.43
14	H	808	CLA	C3D-C2D	2.91	1.46	1.39
14	Z	815	CLA	C4D-CHA	2.91	1.48	1.38
14	Z	833	CLA	C1B-NB	-2.91	1.34	1.37
14	B	835	CLA	C3D-C2D	2.91	1.46	1.39
14	H	839	CLA	C4D-CHA	2.91	1.48	1.38
14	Z	802	CLA	C4B-NB	-2.91	1.34	1.37
14	Z	836	CLA	MG-NC	2.91	2.13	2.06
14	T	103	CLA	C4D-CHA	2.91	1.48	1.38
14	A	810	CLA	MG-NC	2.91	2.13	2.06
14	S	1102	CLA	MG-NC	2.91	2.13	2.06
14	h	201	CLA	C1C-NC	-2.91	1.33	1.37
14	B	819	CLA	MG-NC	2.91	2.13	2.06
14	A	804	CLA	C4C-C3C	2.91	1.50	1.45
14	H	823	CLA	OBD-CAD	2.91	1.27	1.22
14	H	835	CLA	C4B-NB	-2.91	1.34	1.37
14	G	807	CLA	C1D-C2D	2.91	1.51	1.45
14	U	1007	CLA	C4D-CHA	2.91	1.48	1.38
14	h	204	CLA	C1D-ND	-2.91	1.34	1.37
14	G	807	CLA	C3D-C2D	2.91	1.46	1.39
14	Z	803	CLA	C4D-CHA	2.91	1.48	1.38
14	A	825	CLA	C1B-NB	-2.91	1.34	1.37
14	L	201	CLA	C1B-NB	-2.91	1.34	1.37
14	H	808	CLA	C4D-CHA	2.91	1.48	1.38
14	j	102	CLA	C1B-NB	-2.91	1.34	1.37
14	Q	202	CLA	OBD-CAD	2.91	1.27	1.22
14	B	801	CLA	C3D-C2D	2.91	1.46	1.39
14	B	839	CLA	C1B-C2B	2.91	1.49	1.43
14	G	842	CLA	C1D-ND	-2.91	1.34	1.37
14	B	802	CLA	C3D-C2D	2.91	1.46	1.39
14	Z	834	CLA	C3D-C2D	2.91	1.46	1.39
14	Y	831	CLA	MG-ND	-2.90	2.00	2.05
14	B	806	CLA	C1B-C2B	2.90	1.49	1.43
14	j	102	CLA	C3D-C2D	2.90	1.46	1.39
17	e	101	BCR	C23-C22	2.90	1.52	1.46
14	A	843	CLA	C1D-ND	-2.90	1.34	1.37
14	Y	823	CLA	C1D-C2D	2.90	1.51	1.45
14	K	102	CLA	C1D-ND	-2.90	1.34	1.37
14	A	839	CLA	C1B-NB	-2.90	1.34	1.37
14	G	818	CLA	C1C-NC	-2.90	1.33	1.37
14	B	831	CLA	C1C-NC	-2.90	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	840	CLA	C1C-NC	-2.90	1.33	1.37
14	H	834	CLA	C3D-C2D	2.90	1.46	1.39
14	G	832	CLA	C4D-CHA	2.90	1.48	1.38
14	A	838	CLA	C4D-CHA	2.90	1.48	1.38
14	G	822	CLA	C4B-NB	-2.90	1.34	1.37
14	Y	813	CLA	C1D-ND	-2.90	1.34	1.37
14	Z	839	CLA	CHC-C4B	2.90	1.45	1.39
14	B	823	CLA	MG-NC	2.90	2.13	2.06
14	L	204	CLA	C1C-NC	-2.90	1.33	1.37
14	Y	827	CLA	C4D-CHA	2.90	1.48	1.38
14	Y	835	CLA	C1B-C2B	2.90	1.49	1.43
14	G	827	CLA	MG-NC	2.90	2.13	2.06
14	Z	819	CLA	C4D-CHA	2.90	1.48	1.38
14	Z	818	CLA	C4C-C3C	2.90	1.50	1.45
14	Z	817	CLA	C1B-NB	-2.90	1.34	1.37
14	G	812	CLA	C1B-C2B	2.90	1.49	1.43
14	Y	817	CLA	C3B-C4B	2.90	1.51	1.42
14	Y	806	CLA	C4D-CHA	2.90	1.48	1.38
14	Z	814	CLA	C1D-ND	-2.90	1.34	1.37
14	Z	813	CLA	C1C-NC	-2.90	1.33	1.37
14	d	201	CLA	C3D-C2D	2.90	1.46	1.39
14	A	824	CLA	C1D-ND	-2.90	1.34	1.37
14	H	851	CLA	C4B-NB	-2.90	1.34	1.37
14	Y	827	CLA	C3D-C2D	2.90	1.46	1.39
14	L	205	CLA	MG-NC	2.90	2.13	2.06
14	Y	802	CLA	C3D-C2D	2.90	1.46	1.39
14	A	834	CLA	MG-NC	2.89	2.13	2.06
14	G	840	CLA	C4D-CHA	2.89	1.48	1.38
14	A	826	CLA	MG-NC	2.89	2.13	2.06
14	H	835	CLA	MG-NC	2.89	2.13	2.06
14	H	836	CLA	C4D-CHA	2.89	1.48	1.38
14	A	807	CLA	C1B-NB	-2.89	1.34	1.37
14	Z	809	CLA	C1B-NB	-2.89	1.34	1.37
14	A	824	CLA	C4D-CHA	2.89	1.48	1.38
14	Z	819	CLA	C4C-C3C	2.89	1.49	1.45
14	B	803	CLA	C1B-NB	-2.89	1.34	1.37
14	B	837	CLA	C3D-C2D	2.89	1.46	1.39
14	B	811	CLA	C4C-C3C	2.89	1.49	1.45
14	Z	836	CLA	C1B-C2B	2.89	1.49	1.43
14	A	828	CLA	C1D-ND	-2.89	1.34	1.37
14	A	820	CLA	C1B-NB	-2.89	1.34	1.37
14	Z	825	CLA	C1B-NB	-2.89	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	R	101	BCR	C11-C12	-2.89	1.27	1.34
14	Y	804	CLA	C1D-ND	-2.89	1.34	1.37
17	G	845	BCR	C11-C12	-2.89	1.27	1.34
14	Z	833	CLA	C3D-C2D	2.89	1.46	1.39
14	Z	817	CLA	CHD-C4C	2.89	1.45	1.39
14	B	804	CLA	C1D-C2D	2.89	1.51	1.45
14	H	838	CLA	C4D-CHA	2.89	1.48	1.38
14	H	851	CLA	C3D-C2D	2.89	1.46	1.39
14	L	201	CLA	MG-ND	-2.89	2.00	2.05
14	H	805	CLA	C4D-CHA	2.89	1.48	1.38
17	Q	203	BCR	C11-C12	-2.89	1.27	1.34
14	A	814	CLA	C3D-C2D	2.89	1.46	1.39
14	A	854	CLA	C3D-C2D	2.88	1.46	1.39
14	H	820	CLA	C4B-NB	-2.88	1.34	1.37
14	Y	832	CLA	C4B-NB	-2.88	1.34	1.37
14	H	805	CLA	C1B-C2B	2.88	1.49	1.43
14	A	805	CLA	C4B-NB	-2.88	1.34	1.37
14	G	839	CLA	C1B-NB	-2.88	1.34	1.37
14	d	202	CLA	C1D-ND	-2.88	1.34	1.37
14	B	819	CLA	C1B-C2B	2.88	1.49	1.43
17	U	1009	BCR	C10-C9	-2.88	1.29	1.35
14	B	826	CLA	C4B-NB	-2.88	1.34	1.37
14	Y	825	CLA	C3D-C2D	2.88	1.46	1.39
14	H	824	CLA	C1D-ND	-2.88	1.34	1.37
14	H	829	CLA	C1C-NC	-2.88	1.33	1.37
14	H	831	CLA	C1B-C2B	2.88	1.49	1.43
14	Z	826	CLA	C1B-C2B	2.88	1.49	1.43
14	Z	828	CLA	C1D-ND	-2.88	1.34	1.37
14	H	834	CLA	C4D-CHA	2.88	1.48	1.38
14	G	841	CLA	C4D-CHA	2.88	1.48	1.38
14	A	854	CLA	C1B-NB	-2.88	1.34	1.37
14	G	837	CLA	C1B-NB	-2.88	1.34	1.37
14	Y	838	CLA	MG-ND	-2.88	2.00	2.05
14	B	834	CLA	C1D-ND	-2.88	1.34	1.37
14	G	811	CLA	MG-ND	-2.88	2.00	2.05
14	H	829	CLA	C1B-C2B	2.88	1.49	1.43
14	Z	827	CLA	C1B-C2B	2.88	1.49	1.43
14	B	809	CLA	C4D-CHA	2.88	1.48	1.38
14	B	804	CLA	C3D-C2D	2.88	1.46	1.39
14	A	831	CLA	C1B-NB	-2.88	1.34	1.37
14	A	821	CLA	MG-ND	-2.87	2.00	2.05
14	Y	813	CLA	C1B-NB	-2.87	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	812	CLA	C1B-C2B	2.87	1.49	1.43
14	T	103	CLA	C1B-C2B	2.87	1.49	1.43
14	B	818	CLA	C3D-C2D	2.87	1.46	1.39
14	H	807	CLA	C1C-NC	-2.87	1.33	1.37
14	B	802	CLA	MG-ND	-2.87	2.00	2.05
14	G	825	CLA	C1B-C2B	2.87	1.49	1.43
14	B	835	CLA	C1B-NB	-2.87	1.34	1.37
14	L	202	CLA	C1B-NB	-2.87	1.34	1.37
14	Y	826	CLA	C3D-C2D	2.87	1.46	1.39
14	A	832	CLA	C1C-NC	-2.87	1.33	1.37
14	G	818	CLA	OBD-CAD	2.87	1.27	1.22
14	A	826	CLA	C1D-ND	-2.87	1.34	1.37
14	B	816	CLA	C1B-NB	-2.87	1.34	1.37
14	Z	834	CLA	MG-ND	-2.87	2.00	2.05
14	G	807	CLA	C4C-C3C	2.87	1.49	1.45
14	Z	811	CLA	C1C-NC	-2.87	1.33	1.37
14	G	805	CLA	MG-NC	2.87	2.13	2.06
14	Y	836	CLA	C1D-C2D	2.87	1.51	1.45
14	H	819	CLA	C3D-C2D	2.87	1.46	1.39
14	G	803	CLA	MG-ND	-2.87	2.00	2.05
14	Z	838	CLA	C3D-C2D	2.86	1.46	1.39
14	T	101	CLA	OBD-CAD	2.86	1.28	1.23
14	d	202	CLA	OBD-CAD	2.86	1.27	1.22
14	Z	818	CLA	MG-NC	2.86	2.13	2.06
14	G	835	CLA	C4D-CHA	2.86	1.48	1.38
14	H	826	CLA	MG-ND	-2.86	2.00	2.05
14	Z	801	CLA	MG-ND	-2.86	2.00	2.05
14	B	835	CLA	C1B-C2B	2.86	1.49	1.43
14	Y	829	CLA	C1D-ND	-2.86	1.34	1.37
17	d	203	BCR	C11-C12	-2.86	1.27	1.34
14	G	826	CLA	C4B-NB	-2.86	1.34	1.37
14	Z	833	CLA	MG-NC	2.86	2.13	2.06
14	H	836	CLA	MG-NC	2.86	2.13	2.06
13	A	801	CL0	C3D-C2D	2.86	1.46	1.39
14	G	840	CLA	C1B-NB	-2.86	1.34	1.37
14	Y	826	CLA	C4B-NB	-2.86	1.34	1.37
14	H	818	CLA	MG-NC	2.86	2.13	2.06
14	S	1103	CLA	MG-NC	2.86	2.13	2.06
14	Z	836	CLA	C4D-CHA	2.86	1.48	1.38
14	A	823	CLA	C3D-C2D	2.86	1.46	1.39
14	A	819	CLA	MG-NC	2.86	2.13	2.06
14	L	204	CLA	C1D-ND	-2.86	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	809	CLA	C3D-C2D	2.86	1.46	1.39
14	G	836	CLA	C4C-C3C	2.86	1.49	1.45
14	Y	831	CLA	C3D-C2D	2.86	1.46	1.39
14	G	842	CLA	C1B-NB	-2.86	1.34	1.37
14	J	101	CLA	C4D-CHA	2.86	1.48	1.38
14	G	830	CLA	MG-ND	-2.86	2.00	2.05
14	H	811	CLA	C4D-CHA	2.86	1.48	1.38
14	Y	809	CLA	C1C-NC	-2.85	1.33	1.37
14	Z	803	CLA	C3D-C2D	2.85	1.46	1.39
14	H	813	CLA	C1B-C2B	2.85	1.49	1.43
14	J	101	CLA	C1B-C2B	2.85	1.49	1.43
14	B	815	CLA	C4D-CHA	2.85	1.48	1.38
14	B	838	CLA	C3B-C4B	2.85	1.51	1.42
14	A	832	CLA	C1D-ND	-2.85	1.34	1.37
14	X	1701	CLA	C1D-ND	-2.85	1.34	1.37
14	Y	839	CLA	OBD-CAD	2.85	1.27	1.22
14	K	102	CLA	C1B-C2B	2.85	1.49	1.43
14	G	807	CLA	MG-NC	2.85	2.13	2.06
14	B	801	CLA	C1B-NB	-2.85	1.34	1.37
14	Y	808	CLA	C4B-NB	-2.85	1.34	1.37
14	B	819	CLA	C4D-CHA	2.85	1.48	1.38
14	Z	841	CLA	C1B-NB	-2.85	1.34	1.37
14	B	808	CLA	CHC-C4B	2.85	1.45	1.39
14	T	103	CLA	MG-NC	2.85	2.13	2.06
14	G	803	CLA	C1D-ND	-2.85	1.34	1.37
14	G	835	CLA	MG-NC	2.85	2.13	2.06
14	Z	831	CLA	C3D-C2D	2.85	1.46	1.39
14	Y	823	CLA	MG-NC	2.85	2.13	2.06
17	f	103	BCR	C11-C12	-2.85	1.27	1.34
14	G	811	CLA	C3D-C2D	2.85	1.46	1.39
14	G	807	CLA	C1D-ND	-2.85	1.34	1.37
14	L	204	CLA	C1B-NB	-2.85	1.34	1.37
14	Y	837	CLA	C1D-C2D	2.85	1.51	1.45
14	Z	802	CLA	C4D-CHA	2.85	1.48	1.38
13	Y	801	CL0	C1B-C2B	2.85	1.49	1.43
14	G	830	CLA	C1B-NB	-2.85	1.34	1.37
14	G	815	CLA	C1B-C2B	2.85	1.49	1.43
14	H	812	CLA	C1B-NB	-2.85	1.34	1.37
14	G	812	CLA	C3D-C2D	2.85	1.46	1.39
14	Y	818	CLA	C4D-CHA	2.84	1.48	1.38
14	B	806	CLA	MG-NC	2.84	2.13	2.06
14	Y	837	CLA	C4C-C3C	2.84	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	807	CLA	C3D-C2D	2.84	1.46	1.39
14	B	823	CLA	C4D-CHA	2.84	1.48	1.38
14	G	816	CLA	C3D-C2D	2.84	1.46	1.39
14	B	838	CLA	C1D-ND	-2.84	1.34	1.37
14	A	818	CLA	C4D-CHA	2.84	1.48	1.38
14	T	101	CLA	C1B-C2B	2.84	1.49	1.43
14	Y	839	CLA	C1D-C2D	2.84	1.51	1.45
14	Y	820	CLA	C1B-C2B	2.84	1.49	1.43
14	G	819	CLA	C1D-C2D	2.84	1.51	1.45
14	B	834	CLA	C3D-C2D	2.84	1.46	1.39
14	Y	824	CLA	MG-NC	2.84	2.13	2.06
14	Y	832	CLA	MG-NC	2.84	2.13	2.06
14	F	202	CLA	MG-ND	-2.84	2.00	2.05
14	Z	832	CLA	OBD-CAD	2.84	1.27	1.22
14	G	840	CLA	MG-NC	2.84	2.13	2.06
14	Z	801	CLA	C3D-C2D	2.84	1.46	1.39
14	A	819	CLA	C1B-NB	-2.84	1.34	1.37
14	Z	809	CLA	C1B-C2B	2.84	1.49	1.43
14	Y	833	CLA	MG-ND	-2.84	2.00	2.05
14	Y	803	CLA	C1D-ND	-2.84	1.34	1.37
14	H	808	CLA	C1D-ND	-2.84	1.34	1.37
14	B	808	CLA	CHD-C4C	2.84	1.45	1.39
14	B	820	CLA	C4C-C3C	2.84	1.49	1.45
14	U	1007	CLA	C1C-NC	-2.84	1.33	1.37
14	Z	819	CLA	C4B-NB	-2.84	1.34	1.37
14	A	811	CLA	C1D-ND	-2.83	1.34	1.37
14	Y	803	CLA	C3D-C2D	2.83	1.46	1.39
14	H	826	CLA	C1B-C2B	2.83	1.49	1.43
14	B	813	CLA	C4B-NB	-2.83	1.34	1.37
14	A	817	CLA	C1D-C2D	2.83	1.50	1.45
14	J	101	CLA	MG-NC	2.83	2.13	2.06
14	Z	829	CLA	MG-NC	2.83	2.13	2.06
14	H	827	CLA	C1B-NB	-2.83	1.34	1.37
14	Y	837	CLA	C1B-C2B	2.83	1.49	1.43
14	G	823	CLA	C1D-C2D	2.83	1.50	1.45
14	Y	838	CLA	C1D-C2D	2.83	1.50	1.45
14	Z	836	CLA	C1D-ND	-2.83	1.34	1.37
17	e	101	BCR	C11-C12	-2.83	1.27	1.34
14	A	831	CLA	C4D-CHA	2.83	1.48	1.38
14	G	833	CLA	C3D-C2D	2.83	1.46	1.39
14	h	206	CLA	C3D-C2D	2.83	1.46	1.39
14	G	830	CLA	C4D-CHA	2.83	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	816	CLA	C1B-C2B	2.83	1.49	1.43
14	G	823	CLA	C1B-C2B	2.83	1.49	1.43
14	B	821	CLA	C3D-C2D	2.83	1.46	1.39
14	A	805	CLA	C4D-CHA	2.82	1.48	1.38
14	A	807	CLA	C1D-ND	-2.82	1.34	1.37
14	A	817	CLA	C3D-C2D	2.82	1.46	1.39
14	Y	840	CLA	C3D-C2D	2.82	1.46	1.39
14	G	821	CLA	C1D-C2D	2.82	1.50	1.45
19	H	848	LMG	C22-C21	-2.82	1.34	1.51
14	A	814	CLA	C1D-ND	-2.82	1.34	1.37
14	G	826	CLA	C1C-NC	-2.82	1.33	1.37
14	Z	814	CLA	OBD-CAD	2.82	1.27	1.22
14	G	842	CLA	C4B-NB	-2.82	1.34	1.37
14	G	814	CLA	C1B-NB	-2.82	1.34	1.37
14	H	822	CLA	C1B-C2B	2.82	1.49	1.43
14	G	813	CLA	C3D-C2D	2.82	1.46	1.39
14	B	810	CLA	MG-ND	-2.82	2.00	2.05
14	H	818	CLA	C1B-C2B	2.82	1.49	1.43
14	Z	839	CLA	C1B-C2B	2.82	1.49	1.43
14	B	827	CLA	MG-ND	-2.82	2.00	2.05
14	Y	814	CLA	C1B-NB	-2.82	1.34	1.37
14	Y	814	CLA	C1D-ND	-2.82	1.34	1.37
14	Y	807	CLA	C1D-ND	-2.82	1.34	1.37
14	Z	808	CLA	C3D-C2D	2.82	1.46	1.39
14	Z	831	CLA	C4D-CHA	2.82	1.48	1.38
14	Y	839	CLA	C1B-NB	-2.82	1.34	1.37
14	B	839	CLA	C1C-C2C	2.82	1.50	1.44
14	G	838	CLA	C1B-C2B	2.81	1.49	1.43
14	A	832	CLA	MG-NC	2.81	2.13	2.06
14	H	834	CLA	C1D-C2D	2.81	1.50	1.45
14	G	823	CLA	C3D-C2D	2.81	1.46	1.39
14	Z	823	CLA	C4B-NB	-2.81	1.34	1.37
14	B	821	CLA	C4B-NB	-2.81	1.34	1.37
14	A	806	CLA	C3D-C2D	2.81	1.46	1.39
14	L	201	CLA	C1C-NC	-2.81	1.33	1.37
14	G	809	CLA	C1D-C2D	2.81	1.50	1.45
14	Y	804	CLA	C3D-C2D	2.81	1.46	1.39
14	G	825	CLA	C1D-ND	-2.81	1.34	1.37
14	Z	810	CLA	C1C-NC	-2.81	1.33	1.37
14	Z	824	CLA	C1D-C2D	2.81	1.50	1.45
14	Y	820	CLA	C3D-C2D	2.81	1.46	1.39
14	A	829	CLA	C4B-NB	-2.81	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	809	CLA	MG-ND	-2.81	2.00	2.05
14	B	828	CLA	C3D-C2D	2.81	1.46	1.39
14	G	830	CLA	C1B-C2B	2.81	1.49	1.43
14	Y	828	CLA	C3D-C2D	2.81	1.46	1.39
14	H	826	CLA	C1D-ND	-2.81	1.34	1.37
14	B	805	CLA	C4D-CHA	2.81	1.48	1.38
14	h	201	CLA	C3D-C2D	2.81	1.46	1.39
14	H	830	CLA	C1D-ND	-2.81	1.34	1.37
14	U	1006	CLA	C4B-NB	-2.81	1.34	1.37
14	Y	841	CLA	MG-ND	-2.81	2.00	2.05
14	Z	817	CLA	MG-ND	-2.81	2.00	2.05
14	Z	835	CLA	C1B-C2B	2.81	1.49	1.43
14	G	805	CLA	C4D-CHA	2.81	1.48	1.38
14	G	821	CLA	C3D-C2D	2.81	1.46	1.39
14	B	811	CLA	C3D-C2D	2.80	1.46	1.39
14	G	820	CLA	C3D-C2D	2.80	1.46	1.39
14	H	819	CLA	C1B-NB	-2.80	1.34	1.37
14	B	839	CLA	C4C-C3C	2.80	1.49	1.45
14	Y	836	CLA	C1B-C2B	2.80	1.49	1.43
14	Z	832	CLA	C1B-C2B	2.80	1.49	1.43
14	Y	811	CLA	C1B-NB	-2.80	1.34	1.37
14	A	820	CLA	MG-NC	2.80	2.12	2.06
14	B	823	CLA	MG-ND	-2.80	2.00	2.05
14	H	836	CLA	C1C-NC	-2.80	1.33	1.37
14	G	835	CLA	C3D-C2D	2.80	1.46	1.39
14	B	818	CLA	C1D-ND	-2.80	1.34	1.37
14	G	852	CLA	C4D-CHA	2.80	1.48	1.38
14	G	804	CLA	C1B-C2B	2.80	1.49	1.43
14	H	831	CLA	C1D-C2D	2.80	1.50	1.45
14	H	808	CLA	MG-NC	2.80	2.12	2.06
14	Y	818	CLA	C1B-C2B	2.80	1.49	1.43
14	f	101	CLA	C1B-C2B	2.80	1.49	1.43
13	A	801	CL0	C4D-CHA	2.80	1.48	1.38
14	Z	805	CLA	C4D-CHA	2.80	1.48	1.38
14	h	204	CLA	C4D-CHA	2.80	1.48	1.38
14	A	825	CLA	C1D-ND	-2.79	1.34	1.37
14	Z	834	CLA	C1B-C2B	2.79	1.49	1.43
14	Y	841	CLA	C3D-C2D	2.79	1.46	1.39
14	H	813	CLA	C4D-CHA	2.79	1.48	1.38
14	A	804	CLA	C1D-ND	-2.79	1.34	1.37
14	Y	810	CLA	C4D-CHA	2.79	1.48	1.38
14	A	821	CLA	C1B-C2B	2.79	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	827	CLA	C3B-C4B	2.79	1.50	1.42
14	A	836	CLA	C4D-CHA	2.79	1.48	1.38
14	H	837	CLA	C1C-C2C	2.79	1.50	1.44
14	A	822	CLA	MG-NC	2.79	2.12	2.06
14	A	843	CLA	C4B-NB	-2.79	1.34	1.37
14	Y	829	CLA	C4B-NB	-2.79	1.34	1.37
14	Z	815	CLA	C4B-NB	-2.79	1.34	1.37
17	Z	845	BCR	C11-C12	-2.79	1.27	1.34
14	G	804	CLA	MG-NC	2.79	2.12	2.06
14	B	833	CLA	C1B-C2B	2.79	1.49	1.43
14	H	822	CLA	C3D-C2D	2.79	1.46	1.39
14	B	806	CLA	C4D-CHA	2.79	1.48	1.38
14	Y	836	CLA	C1D-ND	-2.79	1.34	1.37
14	Z	810	CLA	C4B-NB	-2.79	1.34	1.37
14	A	840	CLA	C3D-C2D	2.79	1.46	1.39
14	H	829	CLA	C3D-C2D	2.79	1.46	1.39
14	Y	832	CLA	C1B-C2B	2.79	1.49	1.43
14	G	838	CLA	C3D-C2D	2.79	1.46	1.39
14	H	813	CLA	C4C-C3C	2.79	1.49	1.45
14	A	815	CLA	C3D-C2D	2.79	1.46	1.39
14	G	818	CLA	C4D-CHA	2.79	1.48	1.38
14	A	826	CLA	C3D-C2D	2.79	1.46	1.39
14	Y	838	CLA	C1B-NB	-2.79	1.34	1.37
14	A	836	CLA	C3D-C2D	2.79	1.46	1.39
14	T	101	CLA	C3D-C2D	2.79	1.46	1.39
14	Y	829	CLA	C4D-CHA	2.79	1.47	1.38
14	G	802	CLA	MG-ND	-2.79	2.00	2.05
14	S	1101	CLA	C1D-ND	-2.78	1.34	1.37
14	U	1003	CLA	C4B-NB	-2.78	1.34	1.37
14	G	816	CLA	C4D-CHA	2.78	1.47	1.38
14	Y	809	CLA	C1B-C2B	2.78	1.49	1.43
14	Z	814	CLA	C4B-NB	-2.78	1.34	1.37
14	Z	805	CLA	C3D-C2D	2.78	1.46	1.39
14	B	840	CLA	CHB-C1B	2.78	1.45	1.39
14	G	804	CLA	C4D-CHA	2.78	1.47	1.38
14	Z	809	CLA	C4D-CHA	2.78	1.47	1.38
14	Z	834	CLA	C4D-CHA	2.78	1.47	1.38
14	Z	806	CLA	C1D-ND	-2.78	1.34	1.37
14	A	808	CLA	C4D-CHA	2.78	1.47	1.38
14	L	204	CLA	C3D-C2D	2.78	1.46	1.39
14	G	803	CLA	C3D-C2D	2.78	1.46	1.39
14	S	1103	CLA	C4D-CHA	2.78	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	836	CLA	C3D-C2D	2.78	1.46	1.39
14	A	818	CLA	C3D-C2D	2.78	1.46	1.39
14	A	829	CLA	OBD-CAD	2.78	1.27	1.22
14	A	841	CLA	C1D-ND	-2.78	1.34	1.37
14	B	814	CLA	C4D-CHA	2.78	1.47	1.38
14	G	817	CLA	C4D-CHA	2.78	1.47	1.38
14	H	814	CLA	C4D-CHA	2.78	1.47	1.38
14	B	811	CLA	C1B-C2B	2.78	1.49	1.43
17	Z	844	BCR	C11-C12	-2.78	1.27	1.34
14	G	807	CLA	C1B-NB	-2.78	1.34	1.37
14	U	1004	CLA	C1D-ND	-2.78	1.34	1.37
14	Z	818	CLA	C4B-NB	-2.78	1.34	1.37
14	Z	826	CLA	C3D-C2D	2.78	1.46	1.39
14	G	824	CLA	MG-NC	2.78	2.12	2.06
14	A	832	CLA	C1B-NB	-2.78	1.34	1.37
14	H	803	CLA	C1C-NC	-2.78	1.33	1.37
14	Y	819	CLA	C1C-NC	-2.78	1.33	1.37
14	B	840	CLA	C1D-C2D	2.78	1.50	1.45
14	G	823	CLA	C4D-CHA	2.78	1.47	1.38
14	G	817	CLA	C1D-C2D	2.78	1.50	1.45
14	Y	829	CLA	MG-NC	2.78	2.12	2.06
14	Y	805	CLA	C1C-NC	-2.78	1.33	1.37
14	Z	832	CLA	C1C-NC	-2.78	1.33	1.37
14	H	826	CLA	C4D-CHA	2.77	1.47	1.38
14	Z	821	CLA	C1B-NB	-2.77	1.34	1.37
14	G	842	CLA	C3D-C2D	2.77	1.46	1.39
14	Y	806	CLA	MG-NC	2.77	2.12	2.06
14	B	808	CLA	C3D-C2D	2.77	1.46	1.39
14	H	816	CLA	C4D-CHA	2.77	1.47	1.38
14	G	828	CLA	C4D-CHA	2.77	1.47	1.38
14	A	827	CLA	C4D-CHA	2.77	1.47	1.38
14	B	820	CLA	C1B-C2B	2.77	1.49	1.43
14	G	841	CLA	C4B-NB	-2.77	1.34	1.37
14	Y	832	CLA	C3D-C2D	2.77	1.46	1.39
14	H	820	CLA	C4D-CHA	2.77	1.47	1.38
13	G	801	CL0	C4C-C3C	2.77	1.49	1.45
14	G	828	CLA	C3D-C2D	2.77	1.46	1.39
14	G	838	CLA	C1C-NC	-2.77	1.33	1.37
14	A	816	CLA	C1B-C2B	2.77	1.49	1.43
14	Z	832	CLA	MG-NC	2.77	2.12	2.06
14	Y	803	CLA	MG-NC	2.77	2.12	2.06
14	Z	806	CLA	C4D-CHA	2.77	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	Z	849	LMG	C22-C21	-2.77	1.34	1.51
14	F	202	CLA	C1D-ND	-2.77	1.34	1.37
14	Y	817	CLA	C4D-CHA	2.77	1.47	1.38
14	H	812	CLA	C1B-C2B	2.76	1.49	1.43
14	Y	809	CLA	C1D-ND	-2.76	1.34	1.37
14	B	813	CLA	C1C-NC	-2.76	1.33	1.37
14	A	805	CLA	MG-ND	-2.76	2.00	2.05
14	H	809	CLA	C4D-CHA	2.76	1.47	1.38
14	Y	807	CLA	C4D-CHA	2.76	1.47	1.38
14	Z	802	CLA	C1D-ND	-2.76	1.34	1.37
14	B	815	CLA	MG-NC	2.76	2.12	2.06
14	Y	808	CLA	C1C-NC	-2.76	1.33	1.37
14	Y	819	CLA	C1B-C2B	2.76	1.49	1.43
14	Y	837	CLA	C4B-NB	-2.76	1.34	1.37
14	G	831	CLA	C4D-CHA	2.76	1.47	1.38
14	A	821	CLA	C1B-NB	-2.76	1.34	1.37
14	H	803	CLA	CHB-C1B	2.76	1.45	1.39
14	B	808	CLA	MG-NC	2.76	2.12	2.06
14	G	841	CLA	C1B-C2B	2.76	1.49	1.43
14	A	810	CLA	C1B-NB	-2.76	1.34	1.37
14	A	803	CLA	MG-ND	-2.76	2.00	2.05
14	G	818	CLA	MG-ND	-2.76	2.00	2.05
14	H	830	CLA	MG-ND	-2.76	2.00	2.05
14	L	206	CLA	C1B-C2B	2.76	1.49	1.43
14	d	202	CLA	C1B-NB	-2.76	1.34	1.37
14	Q	202	CLA	C1C-NC	-2.75	1.33	1.37
14	Y	825	CLA	C1D-ND	-2.75	1.34	1.37
14	A	840	CLA	MG-ND	-2.75	2.00	2.05
14	B	808	CLA	C4D-CHA	2.75	1.47	1.38
14	T	101	CLA	MG-NC	2.75	2.12	2.06
14	Y	814	CLA	C4D-CHA	2.75	1.47	1.38
14	Y	819	CLA	C1D-C2D	2.75	1.50	1.45
14	A	832	CLA	C3D-C2D	2.75	1.46	1.39
14	Y	825	CLA	C4D-CHA	2.75	1.47	1.38
14	L	205	CLA	C3D-C2D	2.75	1.46	1.39
14	Y	834	CLA	C4C-C3C	2.75	1.49	1.45
14	H	828	CLA	C4D-CHA	2.75	1.47	1.38
14	G	803	CLA	C4D-CHA	2.75	1.47	1.38
14	Z	809	CLA	C3D-C2D	2.75	1.46	1.39
14	G	814	CLA	C3D-C2D	2.75	1.46	1.39
14	Y	838	CLA	C4D-CHA	2.75	1.47	1.38
14	A	808	CLA	C1C-NC	-2.75	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	802	CLA	C1B-NB	-2.75	1.34	1.37
14	G	837	CLA	C1B-C2B	2.75	1.49	1.43
14	Y	830	CLA	C4B-NB	-2.75	1.34	1.37
14	G	817	CLA	C3D-C2D	2.75	1.46	1.39
14	L	205	CLA	C4B-NB	-2.75	1.34	1.37
17	A	848	BCR	C11-C12	-2.75	1.27	1.34
14	G	815	CLA	C4D-CHA	2.75	1.47	1.38
14	Y	816	CLA	C4D-CHA	2.75	1.47	1.38
14	B	812	CLA	C4C-C3C	2.75	1.49	1.45
14	G	835	CLA	C1B-NB	-2.75	1.34	1.37
14	g	101	CLA	C1B-NB	-2.75	1.34	1.37
14	G	828	CLA	MG-NC	2.75	2.12	2.06
14	B	815	CLA	C1D-ND	-2.75	1.34	1.37
14	H	840	CLA	C1D-ND	-2.75	1.34	1.37
14	G	816	CLA	C4C-C3C	2.74	1.49	1.45
14	X	1701	CLA	C4C-C3C	2.74	1.49	1.45
14	A	807	CLA	MG-NC	2.74	2.12	2.06
14	Y	821	CLA	C1D-C2D	2.74	1.50	1.45
14	B	825	CLA	C1C-NC	-2.74	1.33	1.37
14	A	808	CLA	C1D-C2D	2.74	1.50	1.45
14	B	829	CLA	OBD-CAD	2.74	1.27	1.22
14	H	821	CLA	C1B-C2B	2.74	1.49	1.43
14	L	204	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	815	CLA	MG-ND	-2.74	2.00	2.05
14	G	840	CLA	C3D-C2D	2.74	1.46	1.39
14	S	1103	CLA	C1D-ND	-2.74	1.34	1.37
14	A	843	CLA	C1C-C2C	2.74	1.50	1.44
14	A	812	CLA	C1D-C2D	2.74	1.50	1.45
14	T	101	CLA	C1D-C2D	2.74	1.50	1.45
14	A	832	CLA	MG-ND	-2.74	2.00	2.05
14	G	833	CLA	C4D-CHA	2.74	1.47	1.38
14	B	834	CLA	C4D-CHA	2.74	1.47	1.38
14	Y	817	CLA	C1B-C2B	2.74	1.49	1.43
14	Z	807	CLA	C1B-NB	-2.74	1.34	1.37
14	Z	839	CLA	C1D-C2D	2.74	1.50	1.45
14	A	809	CLA	C1B-C2B	2.74	1.49	1.43
14	H	813	CLA	C1B-NB	-2.73	1.34	1.37
14	G	806	CLA	C1B-C2B	2.73	1.49	1.43
14	Z	832	CLA	C3D-C2D	2.73	1.46	1.39
14	G	809	CLA	C4D-CHA	2.73	1.47	1.38
14	Z	841	CLA	C4B-NB	-2.73	1.34	1.37
14	G	808	CLA	OBD-CAD	2.73	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	830	CLA	C1C-NC	-2.73	1.33	1.37
14	A	823	CLA	C1D-ND	-2.73	1.34	1.37
14	B	837	CLA	C4D-CHA	2.73	1.47	1.38
14	Z	811	CLA	C1B-C2B	2.73	1.49	1.43
14	B	826	CLA	OBD-CAD	2.73	1.27	1.22
14	A	818	CLA	C1D-ND	-2.73	1.34	1.37
14	G	838	CLA	C1D-ND	-2.73	1.34	1.37
14	Z	821	CLA	C1D-ND	-2.73	1.34	1.37
14	Z	811	CLA	C4D-CHA	2.73	1.47	1.38
14	B	813	CLA	C1B-C2B	2.73	1.49	1.43
14	Z	813	CLA	C1D-ND	-2.73	1.34	1.37
14	g	102	CLA	C1B-NB	-2.73	1.34	1.37
14	Y	824	CLA	C4D-CHA	2.73	1.47	1.38
14	Z	808	CLA	C1B-NB	-2.73	1.34	1.37
14	B	831	CLA	MG-ND	-2.73	2.00	2.05
14	Z	814	CLA	C1B-C2B	2.73	1.49	1.43
14	A	804	CLA	C3D-C2D	2.73	1.46	1.39
14	G	811	CLA	C4D-CHA	2.73	1.47	1.38
14	A	809	CLA	MG-NC	2.73	2.12	2.06
14	A	817	CLA	C1B-NB	-2.73	1.34	1.37
14	S	1101	CLA	C4D-CHA	2.73	1.47	1.38
14	G	819	CLA	C1C-NC	-2.73	1.33	1.37
14	G	836	CLA	C4D-CHA	2.73	1.47	1.38
14	Z	823	CLA	C1D-ND	-2.73	1.34	1.37
14	A	837	CLA	C1B-C2B	2.73	1.49	1.43
14	B	812	CLA	C1D-ND	-2.73	1.34	1.37
14	B	816	CLA	C4B-NB	-2.73	1.34	1.37
14	h	204	CLA	C1B-C2B	2.73	1.49	1.43
14	A	814	CLA	C4B-NB	-2.72	1.34	1.37
14	U	1004	CLA	MG-ND	-2.72	2.00	2.05
14	Z	810	CLA	MG-NC	2.72	2.12	2.06
14	Q	202	CLA	C4D-CHA	2.72	1.47	1.38
14	Y	828	CLA	C1C-NC	-2.72	1.33	1.37
14	Y	839	CLA	C3D-C2D	2.72	1.46	1.39
14	G	825	CLA	C4B-NB	-2.72	1.34	1.37
14	H	838	CLA	MG-NC	2.72	2.12	2.06
14	H	827	CLA	MG-NC	2.72	2.12	2.06
14	B	821	CLA	MG-ND	-2.72	2.00	2.05
14	Y	831	CLA	OBD-CAD	2.72	1.27	1.22
14	A	811	CLA	C1B-C2B	2.72	1.49	1.43
14	B	802	CLA	MG-NC	2.72	2.12	2.06
14	G	807	CLA	C1B-C2B	2.72	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	806	CLA	C1B-C2B	2.72	1.49	1.43
14	L	201	CLA	C4D-CHA	2.72	1.47	1.38
14	H	812	CLA	C4D-CHA	2.72	1.47	1.38
14	A	825	CLA	MG-ND	-2.72	2.00	2.05
14	Y	830	CLA	C1C-NC	-2.72	1.33	1.37
14	G	834	CLA	C4D-CHA	2.72	1.47	1.38
14	Y	821	CLA	C4D-CHA	2.72	1.47	1.38
14	B	818	CLA	C4B-NB	-2.72	1.34	1.37
14	A	804	CLA	C4D-CHA	2.72	1.47	1.38
14	G	827	CLA	C4D-CHA	2.72	1.47	1.38
14	B	835	CLA	C1D-C2D	2.72	1.50	1.45
14	H	815	CLA	MG-NC	2.72	2.12	2.06
14	G	842	CLA	C1B-C2B	2.71	1.49	1.43
14	Y	830	CLA	MG-NC	2.71	2.12	2.06
14	H	825	CLA	MG-ND	-2.71	2.00	2.05
14	H	806	CLA	CHB-C1B	2.71	1.45	1.39
14	A	815	CLA	C1D-C2D	2.71	1.50	1.45
14	Z	834	CLA	C1C-NC	-2.71	1.33	1.37
14	H	828	CLA	MG-ND	-2.71	2.00	2.05
14	G	808	CLA	C4D-CHA	2.71	1.47	1.38
14	G	819	CLA	MG-NC	2.71	2.12	2.06
14	Z	823	CLA	C4C-C3C	2.71	1.49	1.45
14	Y	813	CLA	C4D-CHA	2.71	1.47	1.38
14	W	1701	CLA	C3D-C2D	2.71	1.46	1.39
14	g	101	CLA	OBD-CAD	2.71	1.28	1.23
14	Y	820	CLA	MG-NC	2.71	2.12	2.06
14	G	836	CLA	C1D-ND	-2.71	1.34	1.37
14	B	832	CLA	C1C-NC	-2.71	1.33	1.37
14	G	815	CLA	C3D-C2D	2.71	1.46	1.39
14	H	838	CLA	C1D-C2D	2.71	1.50	1.45
14	Y	811	CLA	C4D-CHA	2.71	1.47	1.38
14	Z	816	CLA	C4B-NB	-2.71	1.34	1.37
14	Z	825	CLA	C1B-C2B	2.71	1.49	1.43
14	B	836	CLA	C4D-CHA	2.71	1.47	1.38
14	H	828	CLA	C4B-NB	-2.71	1.34	1.37
13	Y	801	CL0	C4B-NB	-2.71	1.34	1.37
14	G	817	CLA	C4B-NB	-2.71	1.34	1.37
14	G	826	CLA	C3D-C2D	2.71	1.46	1.39
14	B	824	CLA	C1B-NB	-2.71	1.34	1.37
14	G	810	CLA	C1B-NB	-2.71	1.34	1.37
14	S	1102	CLA	C1B-C2B	2.71	1.49	1.43
14	G	810	CLA	C4B-NB	-2.71	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	820	CLA	C1B-NB	-2.71	1.34	1.37
14	A	816	CLA	C4D-CHA	2.71	1.47	1.38
14	G	811	CLA	C4B-NB	-2.71	1.34	1.37
14	Z	811	CLA	C1D-ND	-2.71	1.34	1.37
14	L	201	CLA	C1B-C2B	2.71	1.49	1.43
14	G	835	CLA	C1D-ND	-2.70	1.34	1.37
14	G	815	CLA	MG-NC	2.70	2.12	2.06
14	Y	809	CLA	MG-NC	2.70	2.12	2.06
14	A	837	CLA	C1B-NB	-2.70	1.34	1.37
14	G	820	CLA	C4D-CHA	2.70	1.47	1.38
14	B	833	CLA	C1D-ND	-2.70	1.34	1.37
14	Z	814	CLA	MG-NC	2.70	2.12	2.06
14	A	811	CLA	C1D-C2D	2.70	1.50	1.45
14	Z	807	CLA	MG-NC	2.70	2.12	2.06
14	G	810	CLA	C1D-C2D	2.70	1.50	1.45
14	H	814	CLA	C1C-NC	-2.70	1.33	1.37
14	A	828	CLA	MG-NC	2.70	2.12	2.06
14	B	814	CLA	MG-NC	2.70	2.12	2.06
14	A	807	CLA	C1D-C2D	2.70	1.50	1.45
17	B	846	BCR	C23-C22	2.70	1.51	1.46
14	A	836	CLA	C1B-C2B	2.70	1.49	1.43
14	B	827	CLA	C4D-CHA	2.70	1.47	1.38
14	H	818	CLA	C1D-C2D	2.70	1.50	1.45
14	H	837	CLA	C4D-CHA	2.70	1.47	1.38
14	B	801	CLA	C1B-C2B	2.70	1.49	1.43
14	Y	819	CLA	C4B-NB	-2.70	1.34	1.37
14	B	803	CLA	C1C-NC	-2.70	1.33	1.37
14	A	816	CLA	MG-NC	2.69	2.12	2.06
14	B	833	CLA	C1B-NB	-2.69	1.34	1.37
14	A	811	CLA	MG-ND	-2.69	2.00	2.05
14	U	1003	CLA	C1C-NC	-2.69	1.33	1.37
14	L	205	CLA	MG-ND	-2.69	2.00	2.05
14	H	824	CLA	C4D-CHA	2.69	1.47	1.38
14	H	801	CLA	C3D-C2D	2.69	1.46	1.39
14	H	808	CLA	MG-ND	-2.69	2.00	2.05
14	H	803	CLA	C4D-CHA	2.69	1.47	1.38
14	G	816	CLA	C1D-ND	-2.69	1.34	1.37
14	W	1701	CLA	C1B-NB	-2.69	1.34	1.37
14	B	818	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	821	CLA	C1C-NC	-2.69	1.33	1.37
14	G	825	CLA	C4D-CHA	2.69	1.47	1.38
14	Y	808	CLA	MG-NC	2.69	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	811	CLA	MG-ND	-2.69	2.00	2.05
14	A	854	CLA	MG-NC	2.69	2.12	2.06
14	Y	804	CLA	MG-NC	2.69	2.12	2.06
14	Y	810	CLA	MG-ND	-2.69	2.00	2.05
14	A	843	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	801	CLA	C4D-CHA	2.69	1.47	1.38
14	G	836	CLA	C1C-C2C	2.69	1.50	1.44
14	B	811	CLA	C3B-C4B	2.69	1.50	1.42
14	A	806	CLA	C1D-ND	-2.69	1.34	1.37
14	B	802	CLA	C1B-NB	-2.69	1.34	1.37
14	G	852	CLA	OBD-CAD	2.69	1.27	1.22
14	B	834	CLA	MG-NC	2.69	2.12	2.06
14	H	805	CLA	MG-NC	2.69	2.12	2.06
14	B	801	CLA	C4D-CHA	2.69	1.47	1.38
14	d	202	CLA	C4D-CHA	2.69	1.47	1.38
14	Z	827	CLA	C1C-NC	-2.69	1.33	1.37
14	Y	804	CLA	C4D-CHA	2.68	1.47	1.38
14	Y	828	CLA	C3B-C4B	2.68	1.50	1.42
14	G	802	CLA	C4B-NB	-2.68	1.34	1.37
14	Y	833	CLA	C4B-NB	-2.68	1.34	1.37
14	A	823	CLA	C1C-NC	-2.68	1.33	1.37
14	Y	835	CLA	C4D-CHA	2.68	1.47	1.38
14	A	824	CLA	C4B-NB	-2.68	1.34	1.37
14	G	825	CLA	C4C-C3C	2.68	1.49	1.45
14	H	851	CLA	C1D-ND	-2.68	1.34	1.37
14	Y	812	CLA	C1D-ND	-2.68	1.34	1.37
14	Y	831	CLA	C1B-NB	-2.68	1.34	1.37
14	H	826	CLA	MG-NC	2.68	2.12	2.06
14	B	840	CLA	C1B-C2B	2.68	1.49	1.43
14	A	817	CLA	C4D-CHA	2.68	1.47	1.38
14	H	817	CLA	C4D-CHA	2.68	1.47	1.38
14	F	202	CLA	C4B-NB	-2.68	1.34	1.37
14	H	825	CLA	C1D-ND	-2.68	1.34	1.37
14	G	824	CLA	C4D-CHA	2.68	1.47	1.38
14	B	806	CLA	C3D-C2D	2.68	1.46	1.39
14	S	1102	CLA	C1D-C2D	2.68	1.50	1.45
14	Y	815	CLA	C1D-C2D	2.68	1.50	1.45
14	A	827	CLA	C1D-C2D	2.68	1.50	1.45
14	Y	813	CLA	MG-NC	2.67	2.12	2.06
14	A	804	CLA	C1D-C2D	2.67	1.50	1.45
14	G	853	CLA	C4B-NB	-2.67	1.34	1.37
14	H	813	CLA	C1D-ND	-2.67	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	837	CLA	C1B-C2B	2.67	1.49	1.43
14	j	102	CLA	C4D-CHA	2.67	1.47	1.38
14	B	807	CLA	C1B-C2B	2.67	1.49	1.43
14	Y	822	CLA	C4B-NB	-2.67	1.34	1.37
14	f	102	CLA	C1B-C2B	2.67	1.49	1.43
14	B	833	CLA	MG-NC	2.67	2.12	2.06
14	A	843	CLA	C1D-C2D	2.67	1.50	1.45
14	f	102	CLA	C1B-NB	-2.67	1.34	1.37
14	G	834	CLA	C1B-NB	-2.67	1.34	1.37
14	H	822	CLA	C4D-CHA	2.67	1.47	1.38
14	G	802	CLA	C4D-CHA	2.67	1.47	1.38
14	A	839	CLA	C1B-C2B	2.67	1.49	1.43
14	Y	835	CLA	C1C-C2C	2.67	1.49	1.44
14	Z	833	CLA	C1B-C2B	2.67	1.49	1.43
14	K	101	CLA	C4B-NB	-2.67	1.34	1.37
14	H	824	CLA	C4C-C3C	2.67	1.49	1.45
14	A	828	CLA	C3D-C2D	2.67	1.46	1.39
14	Z	817	CLA	C4D-CHA	2.67	1.47	1.38
14	B	827	CLA	C1B-NB	-2.67	1.34	1.37
14	B	833	CLA	C1D-C2D	2.67	1.50	1.45
14	H	831	CLA	C1D-ND	-2.67	1.34	1.37
14	Y	815	CLA	C3B-C4B	2.67	1.50	1.42
14	A	835	CLA	C4D-CHA	2.67	1.47	1.38
14	B	830	CLA	C4B-NB	-2.67	1.34	1.37
14	Y	820	CLA	C4D-CHA	2.67	1.47	1.38
14	G	805	CLA	C1C-C2C	2.67	1.49	1.44
14	B	823	CLA	C1B-C2B	2.67	1.49	1.43
14	G	840	CLA	MG-ND	-2.66	2.00	2.05
14	L	206	CLA	MG-ND	-2.66	2.00	2.05
14	g	102	CLA	C4D-CHA	2.66	1.47	1.38
14	Y	839	CLA	C1D-ND	-2.66	1.34	1.37
14	B	834	CLA	C1D-C2D	2.66	1.50	1.45
14	A	841	CLA	C4D-CHA	2.66	1.47	1.38
14	Z	802	CLA	MG-NC	2.66	2.12	2.06
14	A	835	CLA	C1D-ND	-2.66	1.34	1.37
14	B	808	CLA	C4B-NB	-2.66	1.34	1.37
14	H	824	CLA	C1B-NB	-2.66	1.34	1.37
14	Z	816	CLA	C4D-CHA	2.66	1.47	1.38
14	Z	810	CLA	C3D-C2D	2.66	1.46	1.39
14	H	821	CLA	C4C-C3C	2.66	1.49	1.45
14	A	829	CLA	MG-NC	2.66	2.12	2.06
14	G	806	CLA	C4D-CHA	2.66	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	805	CLA	C1C-NC	-2.66	1.33	1.37
14	H	831	CLA	C3D-C2D	2.66	1.46	1.39
14	A	802	CLA	C4D-CHA	2.66	1.47	1.38
14	G	816	CLA	C1D-C2D	2.66	1.50	1.45
14	Y	809	CLA	C1D-C2D	2.66	1.50	1.45
14	A	812	CLA	C1B-C2B	2.66	1.49	1.43
14	Z	810	CLA	CHC-C4B	2.66	1.45	1.39
14	A	827	CLA	C1B-C2B	2.66	1.49	1.43
14	G	802	CLA	C1B-C2B	2.66	1.49	1.43
14	B	838	CLA	C4D-CHA	2.66	1.47	1.38
14	Q	202	CLA	C1B-NB	-2.66	1.34	1.37
14	Q	202	CLA	C1D-ND	-2.66	1.34	1.37
14	H	830	CLA	C4C-C3C	2.66	1.49	1.45
14	Z	839	CLA	C4C-C3C	2.66	1.49	1.45
14	Z	822	CLA	MG-NC	2.66	2.12	2.06
14	Y	809	CLA	C4D-CHA	2.66	1.47	1.38
14	L	206	CLA	C3B-C4B	2.66	1.50	1.42
14	B	818	CLA	MG-NC	2.66	2.12	2.06
14	H	806	CLA	MG-NC	2.66	2.12	2.06
14	G	812	CLA	C4C-C3C	2.66	1.49	1.45
14	G	827	CLA	OBD-CAD	2.65	1.27	1.22
14	H	809	CLA	CHC-C1C	2.65	1.43	1.38
14	B	825	CLA	C4D-CHA	2.65	1.47	1.38
14	g	102	CLA	C1B-C2B	2.65	1.49	1.43
14	G	814	CLA	C4B-NB	-2.65	1.34	1.37
14	B	826	CLA	C1D-ND	-2.65	1.34	1.37
14	Y	803	CLA	MG-ND	-2.65	2.00	2.05
14	B	813	CLA	C4D-CHA	2.65	1.47	1.38
14	H	816	CLA	C3D-C2D	2.65	1.46	1.39
14	H	805	CLA	C1D-C2D	2.65	1.50	1.45
14	Y	816	CLA	C1D-C2D	2.65	1.50	1.45
14	Z	828	CLA	C4D-CHA	2.65	1.47	1.38
14	A	814	CLA	C1B-C2B	2.65	1.49	1.43
14	X	1701	CLA	C4D-CHA	2.65	1.47	1.38
14	A	818	CLA	MG-NC	2.65	2.12	2.06
14	B	837	CLA	MG-ND	-2.65	2.00	2.05
14	H	802	CLA	C4D-CHA	2.65	1.47	1.38
14	H	816	CLA	MG-ND	-2.65	2.00	2.05
14	H	834	CLA	C1C-NC	-2.65	1.33	1.37
14	H	824	CLA	C1B-C2B	2.65	1.49	1.43
14	H	810	CLA	MG-NC	2.65	2.12	2.06
14	H	812	CLA	C4B-NB	-2.65	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	817	CLA	C1B-NB	-2.65	1.34	1.37
14	A	828	CLA	C4D-CHA	2.65	1.47	1.38
14	A	822	CLA	C4D-CHA	2.65	1.47	1.38
14	S	1103	CLA	C4B-NB	-2.65	1.34	1.37
14	G	832	CLA	C1B-C2B	2.65	1.49	1.43
14	Z	830	CLA	C3D-C2D	2.65	1.46	1.39
14	Y	834	CLA	C1B-C2B	2.65	1.49	1.43
14	Y	813	CLA	C1B-C2B	2.65	1.49	1.43
14	A	825	CLA	C1D-C2D	2.65	1.50	1.45
14	B	825	CLA	CHD-C4C	2.64	1.45	1.39
14	A	820	CLA	C1D-C2D	2.64	1.50	1.45
14	H	819	CLA	C4C-C3C	2.64	1.49	1.45
14	Z	825	CLA	C4D-CHA	2.64	1.47	1.38
14	H	816	CLA	MG-NC	2.64	2.12	2.06
14	Y	822	CLA	C4D-CHA	2.64	1.47	1.38
14	Z	841	CLA	C1C-NC	-2.64	1.33	1.37
14	B	810	CLA	C4D-CHA	2.64	1.47	1.38
14	Z	836	CLA	C4B-NB	-2.64	1.34	1.37
14	Z	834	CLA	C1D-C2D	2.64	1.50	1.45
14	Z	829	CLA	C4C-C3C	2.64	1.49	1.45
14	H	814	CLA	C1D-C2D	2.64	1.50	1.45
14	X	1701	CLA	MG-ND	-2.64	2.00	2.05
14	K	101	CLA	C3D-C2D	2.64	1.46	1.39
14	Y	808	CLA	C1B-C2B	2.64	1.49	1.43
14	U	1006	CLA	C4D-CHA	2.64	1.47	1.38
14	H	833	CLA	C1D-C2D	2.64	1.50	1.45
14	d	201	CLA	C1B-C2B	2.64	1.49	1.43
14	Y	831	CLA	C1C-NC	-2.64	1.33	1.37
14	G	818	CLA	C4B-NB	-2.64	1.34	1.37
14	H	828	CLA	C1B-C2B	2.64	1.49	1.43
14	A	804	CLA	MG-ND	-2.64	2.00	2.05
14	B	803	CLA	MG-ND	-2.64	2.00	2.05
14	Y	807	CLA	MG-NC	2.64	2.12	2.06
14	A	814	CLA	C1C-NC	-2.64	1.33	1.37
14	J	101	CLA	C1B-NB	-2.64	1.34	1.37
14	A	824	CLA	C1D-C2D	2.64	1.50	1.45
14	A	830	CLA	C4D-CHA	2.63	1.47	1.38
14	Y	820	CLA	C1B-NB	-2.63	1.34	1.37
14	Y	839	CLA	C1C-NC	-2.63	1.33	1.37
14	H	802	CLA	MG-NC	2.63	2.12	2.06
14	Y	834	CLA	C1D-C2D	2.63	1.50	1.45
14	J	102	CLA	C1D-ND	-2.63	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	837	CLA	C1C-NC	-2.63	1.33	1.37
14	H	823	CLA	C4B-NB	-2.63	1.34	1.37
14	A	829	CLA	C1B-C2B	2.63	1.49	1.43
14	H	803	CLA	C3D-C2D	2.63	1.46	1.39
14	T	103	CLA	C1D-C2D	2.63	1.50	1.45
14	B	833	CLA	C4D-CHA	2.63	1.47	1.38
14	H	837	CLA	C3B-C4B	2.63	1.50	1.42
14	Z	827	CLA	C3D-C2D	2.63	1.46	1.39
14	A	807	CLA	MG-ND	-2.63	2.00	2.05
14	B	835	CLA	MG-ND	-2.63	2.00	2.05
14	Y	802	CLA	MG-NC	2.63	2.12	2.06
14	h	205	CLA	MG-NC	2.63	2.12	2.06
14	B	817	CLA	MG-NC	2.63	2.12	2.06
14	A	832	CLA	C4D-CHA	2.63	1.47	1.38
14	A	838	CLA	C4B-NB	-2.63	1.34	1.37
14	Y	813	CLA	C3D-C2D	2.63	1.46	1.39
14	L	201	CLA	C3D-C2D	2.63	1.46	1.39
14	Y	823	CLA	C1B-C2B	2.63	1.49	1.43
14	A	830	CLA	C1D-C2D	2.63	1.50	1.45
14	Z	803	CLA	C1C-NC	-2.63	1.33	1.37
14	A	829	CLA	C3D-C2D	2.63	1.46	1.39
14	Z	839	CLA	C1D-ND	-2.62	1.34	1.37
14	H	819	CLA	C4B-NB	-2.62	1.34	1.37
14	Y	831	CLA	C1D-ND	-2.62	1.34	1.37
14	Z	815	CLA	C1D-ND	-2.62	1.34	1.37
14	Z	823	CLA	C4D-CHA	2.62	1.47	1.38
14	Y	805	CLA	C1D-ND	-2.62	1.34	1.37
14	Y	830	CLA	C1B-NB	-2.62	1.34	1.37
14	Z	819	CLA	MG-NC	2.62	2.12	2.06
14	A	817	CLA	C4C-C3C	2.62	1.49	1.45
14	G	828	CLA	C1D-ND	-2.62	1.34	1.37
14	H	804	CLA	C1B-NB	-2.62	1.34	1.37
14	Y	834	CLA	C1B-NB	-2.62	1.34	1.37
13	A	801	CL0	MG-NC	2.62	2.12	2.06
14	H	805	CLA	MG-ND	-2.62	2.00	2.05
14	A	814	CLA	C1B-NB	-2.62	1.34	1.37
14	G	838	CLA	MG-ND	-2.62	2.00	2.05
14	Z	828	CLA	MG-ND	-2.62	2.00	2.05
14	A	829	CLA	C4D-CHA	2.62	1.47	1.38
14	B	835	CLA	C4C-C3C	2.62	1.49	1.45
14	G	833	CLA	MG-NC	2.62	2.12	2.06
14	A	842	CLA	C3D-C2D	2.62	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	820	CLA	C4D-CHA	2.62	1.47	1.38
14	U	1002	CLA	C1B-NB	-2.62	1.34	1.37
14	B	819	CLA	C3D-C2D	2.62	1.46	1.39
14	Z	813	CLA	C4B-NB	-2.62	1.34	1.37
14	H	809	CLA	C1B-C2B	2.62	1.49	1.43
14	Z	837	CLA	C4D-CHA	2.62	1.47	1.38
14	Z	814	CLA	C1C-NC	-2.62	1.33	1.37
14	d	201	CLA	C1C-NC	-2.62	1.33	1.37
14	G	809	CLA	C4B-NB	-2.62	1.34	1.37
14	G	826	CLA	C1D-C2D	2.61	1.50	1.45
14	A	828	CLA	C3B-C4B	2.61	1.50	1.42
14	f	101	CLA	C1D-C2D	2.61	1.50	1.45
14	H	836	CLA	C4B-NB	-2.61	1.34	1.37
14	B	816	CLA	C4C-C3C	2.61	1.49	1.45
14	B	810	CLA	C1B-NB	-2.61	1.34	1.37
14	T	101	CLA	C1D-ND	-2.61	1.34	1.37
14	Y	821	CLA	C1B-C2B	2.61	1.49	1.43
14	H	801	CLA	C4D-CHA	2.61	1.47	1.38
14	Y	832	CLA	OBD-CAD	2.61	1.27	1.22
14	B	804	CLA	C1D-ND	-2.61	1.34	1.37
14	B	840	CLA	C4B-NB	-2.61	1.34	1.37
14	G	840	CLA	C3B-C4B	2.61	1.50	1.42
14	G	813	CLA	C4D-CHA	2.61	1.47	1.38
14	H	825	CLA	C1C-NC	-2.61	1.33	1.37
14	A	835	CLA	MG-NC	2.61	2.12	2.06
14	G	817	CLA	MG-ND	-2.61	2.00	2.05
14	H	827	CLA	C3D-C2D	2.61	1.46	1.39
14	Y	834	CLA	C4D-CHA	2.61	1.47	1.38
14	B	834	CLA	C1B-NB	-2.61	1.34	1.37
14	K	101	CLA	C1B-NB	-2.61	1.34	1.37
14	S	1101	CLA	C1D-C2D	2.61	1.50	1.45
14	H	822	CLA	C1B-NB	-2.61	1.34	1.37
14	H	818	CLA	C4D-CHA	2.60	1.47	1.38
14	A	826	CLA	C4D-CHA	2.60	1.47	1.38
14	G	821	CLA	MG-ND	-2.60	2.00	2.05
14	H	812	CLA	C1C-NC	-2.60	1.33	1.37
14	g	101	CLA	C1D-C2D	2.60	1.50	1.45
14	B	824	CLA	C1B-C2B	2.60	1.49	1.43
14	Z	811	CLA	C1C-C2C	2.60	1.49	1.44
14	H	838	CLA	C1B-NB	-2.60	1.34	1.37
14	Z	831	CLA	C4B-NB	-2.60	1.34	1.37
14	G	837	CLA	C1C-NC	-2.60	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	U	1009	BCR	C11-C12	-2.60	1.27	1.34
14	A	816	CLA	C3D-C2D	2.60	1.46	1.39
14	Z	835	CLA	C4D-CHA	2.60	1.47	1.38
14	A	825	CLA	MG-NC	2.60	2.12	2.06
14	H	831	CLA	C4D-CHA	2.60	1.47	1.38
14	G	822	CLA	C1C-NC	-2.60	1.33	1.37
14	A	840	CLA	C4D-CHA	2.60	1.47	1.38
14	Z	838	CLA	MG-ND	-2.60	2.00	2.05
14	H	804	CLA	C3D-C2D	2.60	1.46	1.39
14	Z	806	CLA	C1B-C2B	2.60	1.49	1.43
14	A	842	CLA	MG-NC	2.60	2.12	2.06
14	H	837	CLA	C1D-C2D	2.60	1.50	1.45
14	H	851	CLA	C4D-CHA	2.60	1.47	1.38
14	A	824	CLA	MG-NC	2.60	2.12	2.06
14	H	806	CLA	MG-ND	-2.60	2.00	2.05
14	G	808	CLA	C3B-C4B	2.60	1.50	1.42
14	G	834	CLA	C1B-C2B	2.60	1.49	1.43
14	H	826	CLA	C1C-NC	-2.60	1.33	1.37
14	G	816	CLA	MG-NC	2.59	2.12	2.06
14	A	822	CLA	C3D-C2D	2.59	1.46	1.39
14	B	805	CLA	MG-NC	2.59	2.12	2.06
14	Z	838	CLA	C4D-CHA	2.59	1.47	1.38
14	H	802	CLA	C1D-ND	-2.59	1.34	1.37
14	A	842	CLA	C1C-NC	-2.59	1.33	1.37
14	L	202	CLA	C1C-C2C	2.59	1.49	1.44
14	G	814	CLA	C1B-C2B	2.59	1.49	1.43
14	Y	817	CLA	C1D-ND	-2.59	1.34	1.37
14	Z	816	CLA	C1D-ND	-2.59	1.34	1.37
14	B	835	CLA	C4D-CHA	2.59	1.47	1.38
14	Z	839	CLA	C4D-CHA	2.59	1.47	1.38
14	Z	817	CLA	C3D-C2D	2.59	1.46	1.39
14	Y	813	CLA	C1C-NC	-2.59	1.33	1.37
14	A	810	CLA	MG-ND	-2.59	2.00	2.05
14	Z	817	CLA	MG-NC	2.59	2.12	2.06
14	G	804	CLA	C1D-ND	-2.59	1.34	1.37
14	G	813	CLA	C1D-ND	-2.59	1.34	1.37
14	G	839	CLA	C1B-C2B	2.59	1.49	1.43
14	Y	805	CLA	C1B-C2B	2.59	1.49	1.43
14	J	102	CLA	C1B-C2B	2.59	1.49	1.43
14	Z	806	CLA	MG-ND	-2.59	2.00	2.05
14	A	821	CLA	C4D-CHA	2.59	1.47	1.38
14	Z	815	CLA	C1D-C2D	2.59	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	840	CLA	C1B-C2B	2.59	1.49	1.43
14	H	810	CLA	C4B-NB	-2.59	1.34	1.37
14	H	851	CLA	MG-NC	2.59	2.12	2.06
14	B	820	CLA	C1D-C2D	2.59	1.50	1.45
14	B	826	CLA	MG-NC	2.59	2.12	2.06
14	A	813	CLA	C1B-C2B	2.59	1.49	1.43
14	A	818	CLA	C1C-C2C	2.59	1.49	1.44
14	Z	815	CLA	MG-NC	2.59	2.12	2.06
14	H	828	CLA	C1D-ND	-2.58	1.34	1.37
17	B	844	BCR	C11-C12	-2.58	1.27	1.34
14	A	812	CLA	C3D-C2D	2.58	1.46	1.39
14	A	803	CLA	C1D-ND	-2.58	1.34	1.37
14	A	831	CLA	MG-ND	-2.58	2.00	2.05
14	Y	820	CLA	C1D-C2D	2.58	1.50	1.45
14	G	829	CLA	MG-ND	-2.58	2.00	2.05
14	A	819	CLA	C1B-C2B	2.58	1.49	1.43
14	H	825	CLA	C1B-C2B	2.58	1.49	1.43
14	L	202	CLA	C4D-CHA	2.58	1.47	1.38
14	Y	808	CLA	C4D-CHA	2.58	1.47	1.38
14	A	820	CLA	C1D-ND	-2.58	1.34	1.37
14	Y	810	CLA	C1D-C2D	2.58	1.50	1.45
14	Z	824	CLA	C1C-NC	-2.58	1.33	1.37
14	G	827	CLA	C1C-C2C	2.58	1.49	1.44
14	H	819	CLA	C1C-NC	-2.58	1.33	1.37
14	A	835	CLA	C1B-C2B	2.58	1.49	1.43
14	G	810	CLA	C1B-C2B	2.58	1.49	1.43
14	B	832	CLA	MG-NC	2.58	2.12	2.06
14	K	101	CLA	MG-NC	2.58	2.12	2.06
14	B	826	CLA	C3D-C2D	2.58	1.46	1.39
14	H	851	CLA	C1B-NB	-2.58	1.34	1.37
14	H	829	CLA	C4D-CHA	2.58	1.47	1.38
14	Z	814	CLA	C1C-C2C	2.58	1.49	1.44
14	K	101	CLA	C1B-C2B	2.58	1.49	1.43
14	B	832	CLA	C4D-CHA	2.58	1.47	1.38
14	B	814	CLA	C1B-NB	-2.58	1.34	1.37
14	G	811	CLA	MG-NC	2.58	2.12	2.06
14	A	826	CLA	C1D-C2D	2.58	1.50	1.45
14	U	1003	CLA	C4D-CHA	2.58	1.47	1.38
14	H	804	CLA	C1B-C2B	2.58	1.49	1.43
14	G	803	CLA	C4B-NB	-2.57	1.34	1.37
14	Z	801	CLA	C4B-NB	-2.57	1.34	1.37
14	Y	810	CLA	MG-NC	2.57	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	C1B-C2B	2.57	1.49	1.43
14	Y	837	CLA	C4D-CHA	2.57	1.47	1.38
14	A	832	CLA	C4B-NB	-2.57	1.34	1.37
14	Y	812	CLA	C3B-C4B	2.57	1.50	1.42
14	H	811	CLA	C3B-C4B	2.57	1.50	1.42
14	H	835	CLA	C1D-C2D	2.57	1.50	1.45
14	A	834	CLA	C3D-C2D	2.57	1.46	1.39
14	Y	818	CLA	C1B-NB	-2.57	1.34	1.37
14	A	811	CLA	C4D-CHA	2.57	1.47	1.38
14	A	814	CLA	C4D-CHA	2.57	1.47	1.38
14	A	819	CLA	C4D-CHA	2.57	1.47	1.38
14	Z	817	CLA	C4B-NB	-2.57	1.34	1.37
14	H	806	CLA	C1D-C2D	2.57	1.50	1.45
14	H	817	CLA	C1C-NC	-2.57	1.33	1.37
14	A	826	CLA	C1B-C2B	2.57	1.49	1.43
14	Q	202	CLA	MG-ND	-2.57	2.00	2.05
14	H	839	CLA	C1C-C2C	2.57	1.49	1.44
14	Y	833	CLA	C4D-CHA	2.57	1.47	1.38
14	H	820	CLA	C1C-NC	-2.57	1.33	1.37
14	H	830	CLA	C4D-CHA	2.57	1.47	1.38
14	Z	839	CLA	C1C-NC	-2.57	1.33	1.37
14	Z	837	CLA	MG-NC	2.57	2.12	2.06
14	Z	821	CLA	MG-NC	2.56	2.12	2.06
14	Z	812	CLA	MG-NC	2.56	2.12	2.06
14	B	817	CLA	C1C-NC	-2.56	1.33	1.37
14	Y	827	CLA	C1C-NC	-2.56	1.33	1.37
14	A	834	CLA	C1B-C2B	2.56	1.49	1.43
14	B	808	CLA	C1C-NC	-2.56	1.33	1.37
14	J	102	CLA	C1D-C2D	2.56	1.50	1.45
14	Y	823	CLA	C4D-CHA	2.56	1.47	1.38
14	B	810	CLA	C1D-C2D	2.56	1.50	1.45
14	Z	841	CLA	C3D-C2D	2.56	1.46	1.39
14	G	818	CLA	MG-NC	2.56	2.12	2.06
14	B	836	CLA	C1B-C2B	2.56	1.49	1.43
14	G	839	CLA	C1D-ND	-2.56	1.34	1.37
14	Y	831	CLA	C4D-CHA	2.56	1.47	1.38
14	Z	817	CLA	C1D-C2D	2.56	1.50	1.45
14	B	811	CLA	C1D-ND	-2.56	1.34	1.37
14	L	202	CLA	C4B-NB	-2.56	1.34	1.37
14	Y	821	CLA	C1D-ND	-2.56	1.34	1.37
14	Y	823	CLA	C1D-ND	-2.56	1.34	1.37
14	G	841	CLA	MG-ND	-2.56	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	841	CLA	C1D-ND	-2.56	1.34	1.37
14	Y	826	CLA	C1B-C2B	2.56	1.49	1.43
14	B	819	CLA	C3B-C4B	2.56	1.50	1.42
14	g	101	CLA	C1B-C2B	2.56	1.49	1.43
14	H	822	CLA	C1D-ND	-2.56	1.34	1.37
14	B	814	CLA	C1D-ND	-2.55	1.34	1.37
14	G	806	CLA	C3D-C2D	2.55	1.46	1.39
14	H	851	CLA	MG-ND	-2.55	2.00	2.05
14	H	822	CLA	MG-NC	2.55	2.12	2.06
14	B	807	CLA	C4D-CHA	2.55	1.47	1.38
14	Y	809	CLA	C4C-C3C	2.55	1.49	1.45
14	G	832	CLA	C1B-NB	-2.55	1.34	1.37
14	Y	828	CLA	C1C-C2C	2.55	1.49	1.44
14	B	836	CLA	C1C-NC	-2.55	1.33	1.37
14	H	811	CLA	MG-NC	2.55	2.12	2.06
14	B	805	CLA	C1B-C2B	2.55	1.49	1.43
14	Y	836	CLA	C4B-NB	-2.55	1.34	1.37
14	d	201	CLA	C3B-C4B	2.55	1.50	1.42
14	H	840	CLA	MG-ND	-2.55	2.00	2.05
14	Z	801	CLA	C1C-NC	-2.55	1.33	1.37
14	H	825	CLA	MG-NC	2.55	2.12	2.06
14	B	806	CLA	C1D-ND	-2.55	1.34	1.37
14	H	834	CLA	C1D-ND	-2.55	1.34	1.37
14	Y	831	CLA	C4B-NB	-2.55	1.34	1.37
14	B	821	CLA	MG-NC	2.55	2.12	2.06
14	Z	809	CLA	C1C-NC	-2.55	1.33	1.37
14	B	834	CLA	C4C-C3C	2.55	1.49	1.45
14	Y	819	CLA	MG-NC	2.55	2.12	2.06
14	Z	820	CLA	C1B-C2B	2.55	1.49	1.43
14	Y	810	CLA	C1D-ND	-2.55	1.34	1.37
14	B	839	CLA	MG-NC	2.54	2.12	2.06
14	A	833	CLA	C1D-ND	-2.54	1.34	1.37
14	B	825	CLA	C4B-NB	-2.54	1.34	1.37
14	H	815	CLA	C3B-C4B	2.54	1.50	1.42
14	Z	803	CLA	C4B-NB	-2.54	1.34	1.37
14	Z	806	CLA	C4C-C3C	2.54	1.49	1.45
14	h	206	CLA	C1B-C2B	2.54	1.49	1.43
14	U	1002	CLA	MG-ND	-2.54	2.00	2.05
14	Y	807	CLA	C1B-C2B	2.54	1.49	1.43
14	H	833	CLA	C4D-CHA	2.54	1.47	1.38
14	A	814	CLA	MG-ND	-2.54	2.00	2.05
14	h	201	CLA	C4D-CHA	2.54	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	823	CLA	MG-NC	2.54	2.12	2.06
14	G	852	CLA	MG-ND	-2.54	2.00	2.05
14	B	832	CLA	C1B-C2B	2.54	1.49	1.43
14	H	832	CLA	C4B-NB	-2.54	1.34	1.37
14	Z	836	CLA	MG-ND	-2.54	2.00	2.05
14	H	807	CLA	MG-NC	2.53	2.12	2.06
14	h	206	CLA	MG-NC	2.53	2.12	2.06
14	B	827	CLA	MG-NC	2.53	2.12	2.06
14	Z	817	CLA	C1C-NC	-2.53	1.33	1.37
14	d	202	CLA	MG-ND	-2.53	2.00	2.05
14	Y	809	CLA	C1B-NB	-2.53	1.34	1.37
14	H	837	CLA	C4C-C3C	2.53	1.49	1.45
14	Y	820	CLA	MG-ND	-2.53	2.00	2.05
14	Z	831	CLA	MG-ND	-2.53	2.00	2.05
14	G	829	CLA	C1C-NC	-2.53	1.33	1.37
14	H	831	CLA	C1C-NC	-2.53	1.33	1.37
14	H	817	CLA	C3D-C2D	2.53	1.45	1.39
14	H	833	CLA	C1C-NC	-2.53	1.33	1.37
14	B	830	CLA	MG-NC	2.53	2.12	2.06
14	G	820	CLA	C1B-C2B	2.53	1.49	1.43
14	H	827	CLA	C4D-CHA	2.53	1.47	1.38
14	Y	839	CLA	C4D-CHA	2.53	1.47	1.38
14	A	838	CLA	C1D-C2D	2.53	1.50	1.45
14	K	102	CLA	C1D-C2D	2.53	1.50	1.45
14	H	816	CLA	C1D-C2D	2.53	1.50	1.45
14	G	832	CLA	MG-ND	-2.53	2.00	2.05
14	g	102	CLA	C1C-NC	-2.53	1.33	1.37
14	Y	830	CLA	C4D-CHA	2.53	1.47	1.38
14	B	836	CLA	MG-ND	-2.53	2.00	2.05
14	Z	820	CLA	MG-NC	2.53	2.12	2.06
14	B	837	CLA	C3B-C4B	2.53	1.50	1.42
14	Y	825	CLA	C1B-NB	-2.53	1.34	1.37
14	U	1006	CLA	MG-NC	2.52	2.12	2.06
14	Z	803	CLA	MG-NC	2.52	2.12	2.06
14	Z	813	CLA	MG-NC	2.52	2.12	2.06
14	B	825	CLA	C3D-C2D	2.52	1.45	1.39
14	Z	834	CLA	C3B-C4B	2.52	1.50	1.42
14	A	816	CLA	C1D-C2D	2.52	1.50	1.45
14	Y	835	CLA	C1B-NB	-2.52	1.34	1.37
14	f	102	CLA	C4B-NB	-2.52	1.34	1.37
14	Y	812	CLA	C1D-C2D	2.52	1.50	1.45
14	B	817	CLA	C1B-C2B	2.52	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	818	CLA	C1B-NB	-2.52	1.34	1.37
14	B	829	CLA	C4D-CHA	2.52	1.47	1.38
14	U	1002	CLA	C1D-C2D	2.52	1.50	1.45
14	U	1006	CLA	C1C-NC	-2.52	1.33	1.37
14	Z	825	CLA	MG-ND	-2.52	2.00	2.05
14	G	842	CLA	C1D-C2D	2.52	1.50	1.45
14	Z	812	CLA	C1D-C2D	2.52	1.50	1.45
14	B	807	CLA	C1C-NC	-2.52	1.33	1.37
14	B	825	CLA	OBD-CAD	2.52	1.26	1.22
14	H	822	CLA	C1D-C2D	2.52	1.50	1.45
14	Y	817	CLA	MG-ND	-2.52	2.00	2.05
14	Z	837	CLA	C3D-C2D	2.52	1.45	1.39
14	B	839	CLA	C4D-CHA	2.52	1.47	1.38
14	Z	832	CLA	C4B-NB	-2.52	1.34	1.37
14	B	824	CLA	C4D-CHA	2.52	1.47	1.38
14	Y	825	CLA	C1D-C2D	2.52	1.50	1.45
14	L	205	CLA	C1B-C2B	2.52	1.49	1.43
14	L	202	CLA	C1C-NC	-2.52	1.33	1.37
14	Y	815	CLA	C1B-C2B	2.51	1.49	1.43
14	Z	825	CLA	C4B-NB	-2.51	1.34	1.37
14	H	810	CLA	C4D-CHA	2.51	1.47	1.38
14	A	813	CLA	C1D-ND	-2.51	1.34	1.37
14	A	836	CLA	C1D-ND	-2.51	1.34	1.37
17	Y	844	BCR	C11-C12	-2.51	1.28	1.34
14	B	816	CLA	C4D-CHA	2.51	1.47	1.38
14	L	204	CLA	OBD-CAD	2.51	1.26	1.22
14	F	202	CLA	C1B-C2B	2.51	1.49	1.43
14	A	837	CLA	C1D-C2D	2.51	1.50	1.45
14	h	204	CLA	OBD-CAD	2.51	1.26	1.22
14	B	821	CLA	C4D-CHA	2.51	1.47	1.38
14	Z	806	CLA	C1C-NC	-2.51	1.33	1.37
14	A	812	CLA	MG-NC	2.51	2.12	2.06
14	G	804	CLA	C4B-NB	-2.51	1.34	1.37
14	Z	825	CLA	C1C-NC	-2.51	1.33	1.37
14	S	1103	CLA	C1D-C2D	2.51	1.50	1.45
14	G	819	CLA	C1B-C2B	2.51	1.49	1.43
14	Z	832	CLA	C4D-CHA	2.51	1.47	1.38
14	H	801	CLA	MG-NC	2.51	2.12	2.06
14	A	816	CLA	C1D-ND	-2.51	1.34	1.37
14	Y	807	CLA	C4B-NB	-2.51	1.34	1.37
14	U	1007	CLA	MG-NC	2.51	2.12	2.06
14	G	811	CLA	C1B-C2B	2.51	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	818	CLA	C1C-NC	-2.51	1.34	1.37
14	G	828	CLA	C4B-NB	-2.51	1.34	1.37
14	g	102	CLA	C1D-C2D	2.51	1.50	1.45
14	Y	813	CLA	MG-ND	-2.50	2.00	2.05
14	A	819	CLA	C1C-NC	-2.50	1.34	1.37
14	Z	811	CLA	MG-NC	2.50	2.12	2.06
14	Z	827	CLA	C4D-CHA	2.50	1.47	1.38
14	Y	809	CLA	C3B-C4B	2.50	1.50	1.42
14	B	812	CLA	C4D-CHA	2.50	1.47	1.38
14	Z	805	CLA	C4B-NB	-2.50	1.34	1.37
14	B	811	CLA	MG-NC	2.50	2.12	2.06
14	A	813	CLA	MG-ND	-2.50	2.00	2.05
14	A	836	CLA	C1C-NC	-2.50	1.34	1.37
14	H	816	CLA	C1C-NC	-2.50	1.34	1.37
14	G	803	CLA	C1B-C2B	2.50	1.49	1.43
14	A	808	CLA	MG-ND	-2.50	2.00	2.05
14	B	823	CLA	C4B-NB	-2.50	1.34	1.37
14	G	828	CLA	C3B-C4B	2.50	1.50	1.42
14	A	838	CLA	C1B-NB	-2.50	1.34	1.37
14	B	827	CLA	C1B-C2B	2.50	1.49	1.43
14	A	843	CLA	MG-ND	-2.50	2.00	2.05
14	X	1701	CLA	C1B-NB	-2.50	1.34	1.37
14	K	102	CLA	MG-ND	-2.50	2.00	2.05
14	A	833	CLA	C1C-NC	-2.50	1.34	1.37
14	G	853	CLA	C1B-NB	-2.50	1.34	1.37
14	Y	824	CLA	C1D-ND	-2.50	1.34	1.37
14	G	807	CLA	MG-ND	-2.50	2.00	2.05
14	d	201	CLA	C4D-CHA	2.50	1.47	1.38
14	d	201	CLA	MG-NC	2.49	2.12	2.06
14	A	809	CLA	C1D-ND	-2.49	1.34	1.37
14	G	834	CLA	C1C-NC	-2.49	1.34	1.37
14	Z	841	CLA	MG-ND	-2.49	2.00	2.05
14	Y	829	CLA	C1D-C2D	2.49	1.50	1.45
14	H	851	CLA	C4C-C3C	2.49	1.49	1.45
14	Y	817	CLA	C1C-C2C	2.49	1.49	1.44
14	T	103	CLA	C4B-NB	-2.49	1.34	1.37
14	G	837	CLA	MG-NC	2.49	2.12	2.06
14	j	102	CLA	C1C-NC	-2.49	1.34	1.37
14	T	103	CLA	MG-ND	-2.49	2.00	2.05
14	Z	810	CLA	C4D-CHA	2.49	1.46	1.38
14	A	836	CLA	MG-NC	2.49	2.12	2.06
14	H	830	CLA	C1C-C2C	2.49	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	834	CLA	C4D-CHA	2.49	1.46	1.38
14	H	823	CLA	C4D-CHA	2.49	1.46	1.38
14	H	807	CLA	MG-ND	-2.49	2.00	2.05
14	G	836	CLA	C3D-C2D	2.49	1.45	1.39
14	Z	818	CLA	C1D-ND	-2.49	1.34	1.37
14	G	817	CLA	C1B-C2B	2.49	1.49	1.43
14	B	824	CLA	C3D-C2D	2.49	1.45	1.39
14	G	830	CLA	C1D-C2D	2.49	1.50	1.45
14	A	854	CLA	C1B-C2B	2.49	1.49	1.43
14	Z	837	CLA	MG-ND	-2.49	2.00	2.05
14	G	852	CLA	MG-NC	2.49	2.12	2.06
14	A	833	CLA	C4D-CHA	2.49	1.46	1.38
14	A	823	CLA	C1D-C2D	2.49	1.50	1.45
14	B	833	CLA	C3B-C4B	2.48	1.50	1.42
14	Y	802	CLA	C1D-ND	-2.48	1.34	1.37
14	H	809	CLA	MG-NC	2.48	2.12	2.06
14	Y	811	CLA	C1B-C2B	2.48	1.49	1.43
14	Y	827	CLA	MG-ND	-2.48	2.00	2.05
14	Z	820	CLA	C4D-CHA	2.48	1.46	1.38
14	H	807	CLA	C4B-NB	-2.48	1.34	1.37
14	B	804	CLA	C4D-CHA	2.48	1.46	1.38
14	Z	838	CLA	C1D-C2D	2.48	1.50	1.45
14	A	837	CLA	C3D-C2D	2.48	1.45	1.39
14	Z	831	CLA	C1B-C2B	2.48	1.48	1.43
14	G	853	CLA	MG-ND	-2.48	2.00	2.05
14	Z	811	CLA	C4B-NB	-2.48	1.34	1.37
14	Z	816	CLA	C1C-NC	-2.48	1.34	1.37
14	B	817	CLA	C4B-NB	-2.48	1.34	1.37
14	B	820	CLA	C4B-NB	-2.48	1.34	1.37
14	G	820	CLA	C4B-NB	-2.48	1.34	1.37
14	H	812	CLA	MG-NC	2.48	2.12	2.06
14	H	815	CLA	C4B-NB	-2.48	1.34	1.37
14	H	839	CLA	MG-NC	2.48	2.12	2.06
14	Y	839	CLA	MG-ND	-2.48	2.00	2.05
14	A	830	CLA	C1C-NC	-2.48	1.34	1.37
14	A	816	CLA	C3B-C4B	2.48	1.49	1.42
14	B	825	CLA	C1B-NB	-2.48	1.34	1.37
14	H	819	CLA	MG-NC	2.48	2.12	2.06
14	K	102	CLA	C1B-NB	-2.48	1.34	1.37
14	A	811	CLA	C1C-NC	-2.47	1.34	1.37
14	Y	804	CLA	C1D-C2D	2.47	1.50	1.45
14	h	205	CLA	C1D-C2D	2.47	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	822	CLA	C1B-C2B	2.47	1.48	1.43
14	G	842	CLA	MG-NC	2.47	2.12	2.06
14	H	837	CLA	C4B-NB	-2.47	1.34	1.37
14	H	840	CLA	C1B-NB	-2.47	1.34	1.37
14	H	806	CLA	C1B-C2B	2.47	1.48	1.43
14	A	807	CLA	C3B-C4B	2.47	1.49	1.42
14	Y	813	CLA	C1D-C2D	2.47	1.50	1.45
14	Y	820	CLA	C1D-ND	-2.47	1.34	1.37
14	Z	801	CLA	C1B-C2B	2.47	1.48	1.43
14	B	831	CLA	C4D-CHA	2.47	1.46	1.38
14	Y	816	CLA	C4B-NB	-2.47	1.34	1.37
14	Y	814	CLA	C1B-C2B	2.47	1.48	1.43
14	j	102	CLA	C4C-C3C	2.47	1.49	1.45
14	Z	841	CLA	C4D-CHA	2.47	1.46	1.38
14	J	102	CLA	C4B-NB	-2.47	1.34	1.37
14	Z	833	CLA	C1C-NC	-2.46	1.34	1.37
14	H	820	CLA	MG-NC	2.46	2.12	2.06
14	H	829	CLA	MG-NC	2.46	2.12	2.06
14	G	806	CLA	C1C-NC	-2.46	1.34	1.37
14	A	804	CLA	C1B-C2B	2.46	1.48	1.43
14	G	817	CLA	C4C-C3C	2.46	1.49	1.45
14	Y	828	CLA	MG-NC	2.46	2.12	2.06
14	H	815	CLA	C1C-NC	-2.46	1.34	1.37
14	S	1102	CLA	C1D-ND	-2.46	1.34	1.37
14	B	830	CLA	C1D-C2D	2.46	1.50	1.45
14	A	839	CLA	C1C-C2C	2.46	1.49	1.44
14	H	838	CLA	C1D-ND	-2.46	1.34	1.37
14	B	826	CLA	C1D-C2D	2.46	1.50	1.45
14	G	831	CLA	C1C-NC	-2.46	1.34	1.37
14	H	816	CLA	C1B-NB	-2.46	1.34	1.37
14	H	804	CLA	C3B-C4B	2.46	1.49	1.42
14	Y	826	CLA	MG-NC	2.46	2.12	2.06
14	A	840	CLA	C1D-C2D	2.45	1.50	1.45
14	A	815	CLA	C1D-ND	-2.45	1.34	1.37
14	G	807	CLA	C4D-CHA	2.45	1.46	1.38
14	Z	813	CLA	C1D-C2D	2.45	1.50	1.45
14	G	840	CLA	C1C-NC	-2.45	1.34	1.37
14	B	815	CLA	C1D-C2D	2.45	1.50	1.45
14	A	839	CLA	C4D-CHA	2.45	1.46	1.38
14	B	815	CLA	MG-ND	-2.45	2.00	2.05
14	B	803	CLA	MG-NC	2.45	2.12	2.06
14	G	808	CLA	C1C-C2C	2.45	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	MG-ND	-2.45	2.00	2.05
14	S	1101	CLA	C1B-C2B	2.45	1.48	1.43
14	G	824	CLA	C1C-C2C	2.45	1.49	1.44
14	B	817	CLA	C4D-CHA	2.45	1.46	1.38
14	B	815	CLA	C1B-C2B	2.45	1.48	1.43
14	A	806	CLA	C4D-CHA	2.45	1.46	1.38
14	B	822	CLA	C1D-C2D	2.45	1.50	1.45
14	H	801	CLA	C1D-C2D	2.45	1.50	1.45
14	T	101	CLA	C1B-NB	-2.45	1.34	1.37
14	Y	810	CLA	C1B-NB	-2.45	1.34	1.37
14	Z	809	CLA	MG-ND	-2.45	2.00	2.05
14	A	803	CLA	C4D-CHA	2.45	1.46	1.38
14	B	814	CLA	C1D-C2D	2.45	1.50	1.45
14	G	812	CLA	C3B-C4B	2.45	1.49	1.42
14	S	1101	CLA	C3D-C2D	2.45	1.45	1.39
14	H	813	CLA	C1D-C2D	2.45	1.50	1.45
14	Y	831	CLA	MG-NC	2.45	2.12	2.06
14	Y	803	CLA	C1D-C2D	2.45	1.50	1.45
14	A	822	CLA	C1B-C2B	2.44	1.48	1.43
14	Y	837	CLA	MG-ND	-2.44	2.00	2.05
14	B	838	CLA	MG-ND	-2.44	2.00	2.05
14	L	204	CLA	MG-NC	2.44	2.12	2.06
14	G	842	CLA	C4D-CHA	2.44	1.46	1.38
14	H	814	CLA	C1B-C2B	2.44	1.48	1.43
14	A	833	CLA	MG-ND	-2.44	2.00	2.05
14	Y	827	CLA	C4C-C3C	2.44	1.49	1.45
14	Y	812	CLA	C1B-NB	-2.44	1.34	1.37
14	U	1002	CLA	MG-NC	2.44	2.12	2.06
14	H	818	CLA	C1C-NC	-2.44	1.34	1.37
17	A	847	BCR	C11-C12	-2.44	1.28	1.34
14	A	810	CLA	C4D-CHA	2.44	1.46	1.38
14	d	202	CLA	C1C-C2C	2.44	1.49	1.44
14	H	826	CLA	C3B-C4B	2.44	1.49	1.42
14	B	807	CLA	MG-ND	-2.44	2.01	2.05
14	G	839	CLA	C4D-CHA	2.44	1.46	1.38
14	B	804	CLA	C1B-C2B	2.43	1.48	1.43
14	G	826	CLA	C4D-CHA	2.43	1.46	1.38
14	B	828	CLA	C1B-C2B	2.43	1.48	1.43
14	B	817	CLA	C1D-C2D	2.43	1.50	1.45
14	A	804	CLA	C1B-NB	-2.43	1.34	1.37
14	B	815	CLA	C1C-NC	-2.43	1.34	1.37
14	G	853	CLA	C4C-C3C	2.43	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	807	CLA	C1C-NC	-2.43	1.34	1.37
14	h	205	CLA	C1B-NB	-2.43	1.34	1.37
14	H	807	CLA	C1B-C2B	2.43	1.48	1.43
14	Y	835	CLA	C1D-C2D	2.43	1.50	1.45
14	G	853	CLA	C4D-CHA	2.43	1.46	1.38
14	B	818	CLA	C1B-C2B	2.43	1.48	1.43
14	J	101	CLA	C1D-ND	-2.43	1.34	1.37
14	G	837	CLA	C4B-NB	-2.43	1.34	1.37
14	A	838	CLA	C4C-C3C	2.43	1.49	1.45
14	G	805	CLA	C1D-ND	-2.43	1.34	1.37
14	B	820	CLA	C1D-ND	-2.43	1.34	1.37
14	Y	822	CLA	C1B-C2B	2.42	1.48	1.43
14	A	810	CLA	C1C-C2C	2.42	1.49	1.44
14	Y	815	CLA	C4B-NB	-2.42	1.34	1.37
14	B	808	CLA	C1D-C2D	2.42	1.50	1.45
14	G	828	CLA	C1D-C2D	2.42	1.50	1.45
14	H	833	CLA	C1B-C2B	2.42	1.48	1.43
14	A	809	CLA	C1D-C2D	2.42	1.50	1.45
14	B	821	CLA	C1C-NC	-2.42	1.34	1.37
14	G	813	CLA	OBD-CAD	2.42	1.26	1.22
14	A	841	CLA	C4B-NB	-2.42	1.34	1.37
14	Z	824	CLA	MG-ND	-2.42	2.01	2.05
14	B	819	CLA	C4B-NB	-2.42	1.34	1.37
14	G	806	CLA	C1B-NB	-2.42	1.34	1.37
14	A	834	CLA	C4B-NB	-2.42	1.34	1.37
14	H	814	CLA	C4B-NB	-2.42	1.34	1.37
14	Y	830	CLA	C1B-C2B	2.42	1.48	1.43
14	B	818	CLA	C4C-C3C	2.42	1.49	1.45
14	B	817	CLA	C1D-ND	-2.42	1.34	1.37
14	Z	809	CLA	MG-NC	2.42	2.12	2.06
14	Z	822	CLA	C3B-C4B	2.42	1.49	1.42
14	H	838	CLA	C4C-C3C	2.41	1.49	1.45
14	B	829	CLA	C3D-C2D	2.41	1.45	1.39
14	Z	813	CLA	C1B-C2B	2.41	1.48	1.43
14	H	817	CLA	MG-ND	-2.41	2.01	2.05
14	Y	809	CLA	MG-ND	-2.41	2.01	2.05
14	B	815	CLA	C4C-C3C	2.41	1.49	1.45
14	H	811	CLA	C1B-C2B	2.41	1.48	1.43
14	A	831	CLA	C4B-NB	-2.41	1.34	1.37
14	Y	841	CLA	C4B-NB	-2.41	1.34	1.37
14	Y	828	CLA	C4D-CHA	2.41	1.46	1.38
14	Z	820	CLA	C1D-C2D	2.41	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	MG-NC	2.41	2.12	2.06
14	G	834	CLA	MG-NC	2.41	2.12	2.06
14	Z	839	CLA	C1B-NB	-2.41	1.34	1.37
14	Z	822	CLA	C1D-C2D	2.41	1.50	1.45
14	Y	837	CLA	C1C-NC	-2.41	1.34	1.37
14	Z	811	CLA	OBD-CAD	2.41	1.26	1.22
14	Y	840	CLA	MG-NC	2.41	2.12	2.06
14	B	830	CLA	C4D-CHA	2.41	1.46	1.38
14	H	814	CLA	MG-ND	-2.41	2.01	2.05
14	Z	803	CLA	C1B-C2B	2.41	1.48	1.43
14	Y	841	CLA	C1B-NB	-2.40	1.34	1.37
14	Y	832	CLA	C4D-CHA	2.40	1.46	1.38
14	A	809	CLA	C1B-NB	-2.40	1.34	1.37
14	g	102	CLA	C3B-C4B	2.40	1.49	1.42
14	L	204	CLA	C4D-CHA	2.40	1.46	1.38
14	G	852	CLA	C4C-C3C	2.40	1.49	1.45
14	Y	821	CLA	C3B-C4B	2.40	1.49	1.42
14	H	807	CLA	C4D-CHA	2.40	1.46	1.38
14	G	831	CLA	C3D-C2D	2.40	1.45	1.39
14	B	822	CLA	C1B-NB	-2.40	1.34	1.37
14	G	853	CLA	C1D-ND	-2.40	1.34	1.37
14	A	841	CLA	C3B-C4B	2.40	1.49	1.42
14	H	801	CLA	C3B-C4B	2.40	1.49	1.42
14	G	811	CLA	C1D-C2D	2.40	1.50	1.45
14	Z	836	CLA	C1C-NC	-2.40	1.34	1.37
14	L	205	CLA	C4D-CHA	2.40	1.46	1.38
14	G	819	CLA	C3B-C4B	2.40	1.49	1.42
14	G	806	CLA	MG-ND	-2.40	2.01	2.05
14	B	819	CLA	C1C-NC	-2.40	1.34	1.37
14	G	839	CLA	MG-NC	2.40	2.12	2.06
14	S	1103	CLA	C1C-NC	-2.40	1.34	1.37
14	Z	807	CLA	C4D-CHA	2.40	1.46	1.38
14	B	829	CLA	C1C-NC	-2.40	1.34	1.37
14	Z	837	CLA	C1C-NC	-2.40	1.34	1.37
14	Z	823	CLA	C1D-C2D	2.40	1.50	1.45
14	A	835	CLA	C1B-NB	-2.39	1.34	1.37
14	G	834	CLA	C1C-C2C	2.39	1.49	1.44
14	Y	824	CLA	C1C-NC	-2.39	1.34	1.37
14	Y	816	CLA	C1D-ND	-2.39	1.34	1.37
14	Z	826	CLA	C1B-NB	-2.39	1.34	1.37
14	B	820	CLA	C1B-NB	-2.39	1.34	1.37
14	H	832	CLA	C1C-NC	-2.39	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	822	CLA	C4C-C3C	2.39	1.49	1.45
14	Y	816	CLA	C1C-NC	-2.39	1.34	1.37
14	Y	831	CLA	C1B-C2B	2.39	1.48	1.43
14	Y	804	CLA	MG-ND	-2.39	2.01	2.05
14	Z	824	CLA	C3B-C4B	2.39	1.49	1.42
14	G	821	CLA	C3B-C4B	2.39	1.49	1.42
14	Y	841	CLA	C3B-C4B	2.39	1.49	1.42
14	A	833	CLA	C4B-NB	-2.39	1.34	1.37
14	A	821	CLA	C4C-C3C	2.39	1.49	1.45
14	A	839	CLA	MG-NC	2.39	2.11	2.06
14	d	201	CLA	MG-ND	-2.39	2.01	2.05
14	U	1007	CLA	C1B-C2B	2.39	1.48	1.43
14	H	833	CLA	C4C-C3C	2.39	1.49	1.45
14	B	827	CLA	C3B-C4B	2.39	1.49	1.42
14	X	1701	CLA	C3B-C4B	2.39	1.49	1.42
14	H	825	CLA	C4B-NB	-2.39	1.34	1.37
14	G	821	CLA	C4D-CHA	2.38	1.46	1.38
14	Y	812	CLA	MG-ND	-2.38	2.01	2.05
14	B	832	CLA	C3B-C4B	2.38	1.49	1.42
14	B	810	CLA	C1D-ND	-2.38	1.34	1.37
14	B	829	CLA	C4B-NB	-2.38	1.34	1.37
14	Y	806	CLA	C1B-NB	-2.38	1.34	1.37
14	A	835	CLA	C4B-NB	-2.38	1.34	1.37
14	Z	824	CLA	C1B-NB	-2.38	1.34	1.37
14	G	808	CLA	MG-ND	-2.38	2.01	2.05
14	A	811	CLA	MG-NC	2.38	2.11	2.06
14	Y	821	CLA	C1B-NB	-2.38	1.34	1.37
14	Y	802	CLA	MG-ND	-2.38	2.01	2.05
14	A	820	CLA	C1B-C2B	2.38	1.48	1.43
17	H	847	BCR	C11-C12	-2.38	1.28	1.34
14	Y	823	CLA	C3B-C4B	2.38	1.49	1.42
14	A	825	CLA	C1C-NC	-2.38	1.34	1.37
14	B	829	CLA	MG-ND	-2.38	2.01	2.05
14	Z	802	CLA	MG-ND	-2.38	2.01	2.05
14	U	1004	CLA	MG-NC	2.38	2.11	2.06
14	G	822	CLA	MG-NC	2.38	2.11	2.06
14	Y	840	CLA	C4D-CHA	2.38	1.46	1.38
14	Z	805	CLA	MG-NC	2.38	2.11	2.06
14	A	816	CLA	C1C-NC	-2.38	1.34	1.37
14	G	836	CLA	C1B-C2B	2.38	1.48	1.43
14	U	1003	CLA	MG-NC	2.37	2.11	2.06
14	H	819	CLA	C1D-C2D	2.37	1.50	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	801	CLA	C1D-ND	-2.37	1.34	1.37
14	Y	833	CLA	C1C-C2C	2.37	1.49	1.44
14	Y	841	CLA	C4D-CHA	2.37	1.46	1.38
14	A	815	CLA	C3B-C4B	2.37	1.49	1.42
14	H	829	CLA	MG-ND	-2.37	2.01	2.05
14	B	801	CLA	MG-NC	2.37	2.11	2.06
14	Y	806	CLA	MG-ND	-2.37	2.01	2.05
14	W	1701	CLA	C3B-C4B	2.37	1.49	1.42
14	L	204	CLA	C1D-C2D	2.37	1.50	1.45
14	G	826	CLA	C1B-NB	-2.37	1.34	1.37
14	H	806	CLA	C4C-C3C	2.37	1.49	1.45
14	A	854	CLA	C4D-CHA	2.37	1.46	1.38
14	G	814	CLA	C1D-C2D	2.37	1.50	1.45
14	G	810	CLA	C4C-C3C	2.37	1.49	1.45
14	H	825	CLA	C3B-C4B	2.37	1.49	1.42
14	H	823	CLA	MG-NC	2.37	2.11	2.06
14	A	821	CLA	MG-NC	2.37	2.11	2.06
14	Y	818	CLA	MG-ND	-2.37	2.01	2.05
14	B	807	CLA	C3D-C2D	2.37	1.45	1.39
14	Z	814	CLA	C4D-CHA	2.37	1.46	1.38
14	G	806	CLA	MG-NC	2.37	2.11	2.06
14	G	820	CLA	MG-NC	2.37	2.11	2.06
14	Z	812	CLA	C1C-NC	-2.37	1.34	1.37
14	Z	821	CLA	C1D-C2D	2.37	1.50	1.45
14	A	813	CLA	C1C-NC	-2.37	1.34	1.37
14	A	809	CLA	C1C-C2C	2.37	1.49	1.44
14	A	836	CLA	MG-ND	-2.36	2.01	2.05
14	Y	811	CLA	C3B-C4B	2.36	1.49	1.42
14	H	821	CLA	C1C-NC	-2.36	1.34	1.37
14	A	806	CLA	MG-NC	2.36	2.11	2.06
14	A	815	CLA	C1B-NB	-2.36	1.34	1.37
14	G	824	CLA	C3B-C4B	2.36	1.49	1.42
14	h	205	CLA	C1C-NC	-2.36	1.34	1.37
14	Z	826	CLA	MG-NC	2.36	2.11	2.06
14	G	815	CLA	C4B-NB	-2.36	1.34	1.37
14	Y	814	CLA	C1C-NC	-2.36	1.34	1.37
14	d	201	CLA	C1D-ND	-2.36	1.34	1.37
14	G	815	CLA	C1B-NB	-2.36	1.34	1.37
14	G	813	CLA	C1D-C2D	2.36	1.50	1.45
14	H	813	CLA	MG-ND	-2.36	2.01	2.05
14	A	827	CLA	C1C-C2C	2.36	1.49	1.44
14	H	819	CLA	MG-ND	-2.36	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	MG-ND	-2.36	2.01	2.05
14	B	831	CLA	C1D-C2D	2.36	1.50	1.45
14	H	801	CLA	C1B-NB	-2.36	1.34	1.37
14	Y	807	CLA	C1B-NB	-2.36	1.34	1.37
14	Z	816	CLA	C1D-C2D	2.36	1.50	1.45
14	G	839	CLA	C3B-C4B	2.36	1.49	1.42
14	G	805	CLA	C1D-C2D	2.35	1.50	1.45
14	Y	805	CLA	MG-NC	2.35	2.11	2.06
14	Y	821	CLA	C4C-C3C	2.35	1.49	1.45
14	A	829	CLA	C1C-NC	-2.35	1.34	1.37
14	Y	805	CLA	C4D-CHA	2.35	1.46	1.38
14	A	835	CLA	C1D-C2D	2.35	1.50	1.45
14	B	839	CLA	C1D-C2D	2.35	1.50	1.45
14	A	841	CLA	C3D-C2D	2.35	1.45	1.39
14	H	833	CLA	C3B-C4B	2.35	1.49	1.42
14	B	835	CLA	C1C-C2C	2.35	1.49	1.44
14	Z	826	CLA	C1C-NC	-2.35	1.34	1.37
14	G	835	CLA	C1B-C2B	2.35	1.48	1.43
14	H	804	CLA	C4D-CHA	2.35	1.46	1.38
14	H	802	CLA	C1B-C2B	2.35	1.48	1.43
14	G	834	CLA	C1D-C2D	2.35	1.50	1.45
14	G	836	CLA	MG-ND	-2.35	2.01	2.05
14	H	807	CLA	C3D-C2D	2.35	1.45	1.39
14	G	823	CLA	C3B-C4B	2.35	1.49	1.42
14	A	823	CLA	MG-NC	2.35	2.11	2.06
14	B	826	CLA	C1B-C2B	2.35	1.48	1.43
14	B	812	CLA	C3B-C4B	2.35	1.49	1.42
14	A	834	CLA	C1B-NB	-2.35	1.34	1.37
14	H	817	CLA	C1B-C2B	2.35	1.48	1.43
14	U	1007	CLA	C3B-C4B	2.35	1.49	1.42
14	Y	836	CLA	C1C-NC	-2.35	1.34	1.37
14	Y	822	CLA	MG-NC	2.35	2.11	2.06
14	H	810	CLA	C1C-C2C	2.34	1.49	1.44
14	B	812	CLA	C4B-NB	-2.34	1.34	1.37
14	A	825	CLA	C4D-CHA	2.34	1.46	1.38
14	Z	835	CLA	C3B-C4B	2.34	1.49	1.42
14	A	818	CLA	C1D-C2D	2.34	1.50	1.45
17	h	202	BCR	C15-C14	2.34	1.50	1.43
14	Y	827	CLA	C1B-NB	-2.34	1.34	1.37
14	B	827	CLA	C1D-C2D	2.34	1.50	1.45
14	B	829	CLA	C1D-ND	-2.34	1.34	1.37
14	h	205	CLA	C4C-C3C	2.34	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	826	CLA	C1C-NC	-2.34	1.34	1.37
14	K	102	CLA	C4B-NB	-2.34	1.34	1.37
14	Z	821	CLA	C1B-C2B	2.34	1.48	1.43
14	G	833	CLA	C1B-NB	-2.34	1.34	1.37
14	Y	827	CLA	C1D-ND	-2.34	1.34	1.37
14	Z	829	CLA	C1C-NC	-2.34	1.34	1.37
14	B	817	CLA	MG-ND	-2.34	2.01	2.05
14	H	840	CLA	C4D-CHA	2.34	1.46	1.38
14	G	836	CLA	C1D-C2D	2.34	1.50	1.45
14	B	803	CLA	C1D-C2D	2.34	1.50	1.45
14	U	1006	CLA	C1D-C2D	2.34	1.50	1.45
14	Z	836	CLA	C1C-C2C	2.34	1.49	1.44
17	F	203	BCR	C1-C6	-2.33	1.50	1.53
14	Z	813	CLA	C4C-C3C	2.33	1.49	1.45
14	Z	834	CLA	MG-NC	2.33	2.11	2.06
14	Y	826	CLA	C1C-NC	-2.33	1.34	1.37
14	H	806	CLA	CHB-C4A	-2.33	1.31	1.37
14	G	814	CLA	C1A-CHA	2.33	1.52	1.43
14	Y	828	CLA	C1D-C2D	2.33	1.49	1.45
14	T	103	CLA	C1D-ND	-2.33	1.34	1.37
14	g	102	CLA	C1D-ND	-2.33	1.34	1.37
14	G	810	CLA	C1C-NC	-2.33	1.34	1.37
14	Z	827	CLA	C4B-NB	-2.33	1.34	1.37
14	G	810	CLA	MG-ND	-2.33	2.01	2.05
14	Z	833	CLA	C1D-C2D	2.33	1.49	1.45
14	K	101	CLA	C1C-C2C	2.33	1.49	1.44
14	Y	804	CLA	C3B-C4B	2.33	1.49	1.42
14	K	102	CLA	C1C-NC	-2.33	1.34	1.37
14	G	822	CLA	C4C-C3C	2.33	1.49	1.45
14	H	817	CLA	MG-NC	2.33	2.11	2.06
14	B	834	CLA	C3B-C4B	2.32	1.49	1.42
14	B	818	CLA	C1D-C2D	2.32	1.49	1.45
14	H	812	CLA	C4C-C3C	2.32	1.49	1.45
14	T	101	CLA	MG-ND	-2.32	2.01	2.05
14	A	842	CLA	C4D-CHA	2.32	1.46	1.38
14	B	830	CLA	C4C-C3C	2.32	1.49	1.45
14	G	814	CLA	MG-ND	-2.32	2.01	2.05
14	B	804	CLA	OBD-CAD	2.32	1.26	1.22
14	Y	833	CLA	C1B-C2B	2.32	1.48	1.43
14	A	811	CLA	C4C-C3C	2.32	1.49	1.45
14	G	839	CLA	C4C-C3C	2.32	1.49	1.45
14	Y	829	CLA	C1B-C2B	2.32	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	842	CLA	MG-ND	-2.32	2.01	2.05
14	Y	804	CLA	C1C-C2C	2.32	1.49	1.44
14	H	801	CLA	MG-ND	-2.32	2.01	2.05
14	H	828	CLA	C1D-C2D	2.32	1.49	1.45
14	K	101	CLA	C1D-C2D	2.32	1.49	1.45
14	A	813	CLA	C4C-C3C	2.32	1.49	1.45
14	B	833	CLA	MG-ND	-2.32	2.01	2.05
14	B	816	CLA	C3B-C4B	2.32	1.49	1.42
14	f	102	CLA	C1C-NC	-2.32	1.34	1.37
14	Y	803	CLA	C1B-NB	-2.32	1.34	1.37
14	Y	811	CLA	MG-ND	-2.32	2.01	2.05
14	h	205	CLA	MG-ND	-2.32	2.01	2.05
14	A	841	CLA	C1B-C2B	2.32	1.48	1.43
14	B	829	CLA	C1B-C2B	2.32	1.48	1.43
14	G	803	CLA	C1B-NB	-2.32	1.34	1.37
14	Z	821	CLA	C3B-C4B	2.31	1.49	1.42
14	Z	818	CLA	C1D-C2D	2.31	1.49	1.45
14	A	812	CLA	C4B-NB	-2.31	1.34	1.37
14	B	807	CLA	MG-NC	2.31	2.11	2.06
14	B	827	CLA	C4C-C3C	2.31	1.49	1.45
14	Z	830	CLA	C4D-CHA	2.31	1.46	1.38
14	A	808	CLA	C1B-NB	-2.31	1.34	1.37
14	H	851	CLA	C3B-C4B	2.31	1.49	1.42
14	Y	834	CLA	C1C-C2C	2.31	1.49	1.44
14	Z	827	CLA	MG-NC	2.31	2.11	2.06
14	Z	808	CLA	C3B-C4B	2.31	1.49	1.42
14	H	828	CLA	C1C-NC	-2.31	1.34	1.37
14	Z	819	CLA	C1C-NC	-2.31	1.34	1.37
14	B	838	CLA	C1D-C2D	2.31	1.49	1.45
14	S	1103	CLA	C4C-C3C	2.31	1.49	1.45
14	Z	805	CLA	C1B-NB	-2.31	1.34	1.37
14	d	201	CLA	C1B-NB	-2.31	1.34	1.37
19	H	848	LMG	C43-C42	-2.31	1.33	1.50
14	Z	823	CLA	C1B-C2B	2.31	1.48	1.43
14	B	820	CLA	C1C-NC	-2.31	1.34	1.37
14	G	812	CLA	C1D-C2D	2.31	1.49	1.45
14	G	804	CLA	C1D-C2D	2.31	1.49	1.45
14	H	829	CLA	C1D-C2D	2.31	1.49	1.45
14	Y	814	CLA	MG-ND	-2.30	2.01	2.05
14	A	804	CLA	C1C-NC	-2.30	1.34	1.37
14	Y	832	CLA	C1C-NC	-2.30	1.34	1.37
14	f	102	CLA	C1D-C2D	2.30	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	1003	CLA	C3B-C4B	2.30	1.49	1.42
14	L	206	CLA	C1D-C2D	2.30	1.49	1.45
14	A	805	CLA	MG-NC	2.30	2.11	2.06
14	Z	804	CLA	C1B-NB	-2.30	1.34	1.37
14	B	823	CLA	C3B-C2B	2.30	1.48	1.41
14	H	822	CLA	C1C-NC	-2.30	1.34	1.37
14	H	839	CLA	C4B-NB	-2.30	1.34	1.37
14	A	831	CLA	C3B-C4B	2.30	1.49	1.42
14	A	831	CLA	MG-NC	2.30	2.11	2.06
14	Y	821	CLA	C1C-C2C	2.30	1.49	1.44
14	B	814	CLA	MG-ND	-2.30	2.01	2.05
14	B	838	CLA	C1B-C2B	2.30	1.48	1.43
14	G	815	CLA	C1D-ND	-2.30	1.34	1.37
14	A	814	CLA	C4C-C3C	2.30	1.48	1.45
14	Z	835	CLA	C4C-C3C	2.30	1.48	1.45
14	H	826	CLA	C1B-NB	-2.30	1.34	1.37
14	A	839	CLA	C3D-C2D	2.30	1.45	1.39
14	S	1102	CLA	C4B-NB	-2.30	1.34	1.37
14	Y	819	CLA	C4C-C3C	2.29	1.48	1.45
14	A	816	CLA	C4B-NB	-2.29	1.34	1.37
14	Z	818	CLA	C1B-C2B	2.29	1.48	1.43
14	Z	806	CLA	C1D-C2D	2.29	1.49	1.45
14	Y	827	CLA	C1C-C2C	2.29	1.49	1.44
14	Q	202	CLA	C3B-C4B	2.29	1.49	1.42
14	A	815	CLA	C1B-C2B	2.29	1.48	1.43
14	A	817	CLA	C3B-C4B	2.29	1.49	1.42
14	A	830	CLA	C4B-NB	-2.29	1.34	1.37
13	Y	801	CL0	C1D-C2D	2.29	1.49	1.45
14	Y	814	CLA	C4B-NB	-2.29	1.34	1.37
14	B	806	CLA	C4C-C3C	2.29	1.48	1.45
14	Y	809	CLA	C4B-NB	-2.29	1.34	1.37
14	Z	818	CLA	MG-ND	-2.29	2.01	2.05
14	H	808	CLA	C4C-C3C	2.29	1.48	1.45
14	Y	812	CLA	C4C-C3C	2.29	1.48	1.45
14	Y	803	CLA	C1C-NC	-2.29	1.34	1.37
14	Y	807	CLA	C3B-C4B	2.29	1.49	1.42
14	Z	804	CLA	C1B-C2B	2.29	1.48	1.43
14	G	809	CLA	C3B-C4B	2.29	1.49	1.42
14	g	101	CLA	C4B-NB	-2.29	1.34	1.37
14	Y	832	CLA	C1D-C2D	2.29	1.49	1.45
14	Z	839	CLA	MG-NC	2.29	2.11	2.06
14	g	102	CLA	MG-ND	-2.29	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	S	1102	CLA	C1C-NC	-2.29	1.34	1.37
14	Z	808	CLA	C4D-CHA	2.29	1.46	1.38
14	B	813	CLA	MG-ND	-2.29	2.01	2.05
14	H	804	CLA	MG-ND	-2.29	2.01	2.05
14	B	811	CLA	MG-ND	-2.29	2.01	2.05
14	H	816	CLA	C4B-NB	-2.28	1.34	1.37
14	B	833	CLA	C4B-NB	-2.28	1.34	1.37
14	G	837	CLA	C1D-ND	-2.28	1.34	1.37
14	Z	828	CLA	C1D-C2D	2.28	1.49	1.45
14	B	838	CLA	C1B-NB	-2.28	1.34	1.37
14	G	829	CLA	C1D-C2D	2.28	1.49	1.45
14	Y	807	CLA	C1C-NC	-2.28	1.34	1.37
14	f	101	CLA	C1A-CHA	2.28	1.52	1.43
14	B	813	CLA	MG-NC	2.28	2.11	2.06
14	Z	813	CLA	MG-ND	-2.28	2.01	2.05
14	Z	822	CLA	C1C-NC	-2.28	1.34	1.37
14	B	807	CLA	C4B-NB	-2.28	1.34	1.37
14	Y	810	CLA	C1C-C2C	2.28	1.49	1.44
14	G	825	CLA	C1C-NC	-2.28	1.34	1.37
14	K	101	CLA	C1D-ND	-2.28	1.34	1.37
14	H	809	CLA	CHC-C4B	2.28	1.44	1.39
14	Z	834	CLA	C4B-NB	-2.28	1.34	1.37
14	K	101	CLA	C1C-NC	-2.28	1.34	1.37
14	A	816	CLA	C1C-C2C	2.28	1.49	1.44
14	Z	810	CLA	C1B-C2B	2.28	1.48	1.43
14	Y	819	CLA	C1A-CHA	2.27	1.52	1.43
14	B	817	CLA	C4C-C3C	2.27	1.48	1.45
14	G	819	CLA	C4C-C3C	2.27	1.48	1.45
14	G	826	CLA	C4C-C3C	2.27	1.48	1.45
14	L	206	CLA	C4D-CHA	2.27	1.46	1.38
14	f	102	CLA	C1D-ND	-2.27	1.34	1.37
14	B	826	CLA	C4D-CHA	2.27	1.46	1.38
14	Z	829	CLA	C1A-CHA	2.27	1.52	1.43
14	G	820	CLA	C1C-NC	-2.27	1.34	1.37
14	Y	839	CLA	C3B-C4B	2.27	1.49	1.42
14	Z	826	CLA	C1A-CHA	2.27	1.52	1.43
14	A	824	CLA	C1B-C2B	2.27	1.48	1.43
14	H	833	CLA	MG-NC	2.27	2.11	2.06
14	Y	840	CLA	C3B-C4B	2.27	1.49	1.42
14	Z	821	CLA	MG-ND	-2.27	2.01	2.05
14	S	1101	CLA	MG-NC	2.27	2.11	2.06
14	Z	820	CLA	C1C-NC	-2.27	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	826	CLA	C4D-CHA	2.27	1.46	1.38
17	h	207	BCR	C30-C25	-2.27	1.50	1.53
14	B	832	CLA	C1C-C2C	2.27	1.49	1.44
14	f	101	CLA	C1C-C2C	2.27	1.49	1.44
14	Z	827	CLA	C4C-C3C	2.27	1.48	1.45
14	B	822	CLA	C1C-NC	-2.27	1.34	1.37
14	G	832	CLA	MG-NC	2.27	2.11	2.06
14	G	802	CLA	C4C-C3C	2.27	1.48	1.45
14	Y	840	CLA	C4B-NB	-2.27	1.34	1.37
14	h	204	CLA	C1C-NC	-2.26	1.34	1.37
14	Z	804	CLA	C3B-C4B	2.26	1.49	1.42
13	Y	801	CL0	C4C-C3C	2.26	1.48	1.45
14	B	827	CLA	C1D-ND	-2.26	1.34	1.37
14	G	812	CLA	C1D-ND	-2.26	1.34	1.37
14	h	206	CLA	C4D-CHA	2.26	1.46	1.38
14	B	838	CLA	C1C-C2C	2.26	1.49	1.44
14	A	834	CLA	C1C-NC	-2.26	1.34	1.37
14	B	801	CLA	C1D-C2D	2.26	1.49	1.45
14	Z	841	CLA	C4C-C3C	2.26	1.48	1.45
14	A	820	CLA	C3B-C4B	2.26	1.49	1.42
14	A	830	CLA	MG-NC	2.26	2.11	2.06
14	H	808	CLA	C4B-NB	-2.26	1.34	1.37
14	A	807	CLA	C4C-C3C	2.26	1.48	1.45
14	A	840	CLA	C1C-NC	-2.26	1.34	1.37
14	B	839	CLA	C4B-NB	-2.26	1.34	1.37
14	G	819	CLA	C1D-ND	-2.26	1.34	1.37
14	A	809	CLA	MG-ND	-2.26	2.01	2.05
14	G	812	CLA	C1C-C2C	2.26	1.49	1.44
14	Y	824	CLA	MG-ND	-2.26	2.01	2.05
14	A	816	CLA	C1B-NB	-2.26	1.34	1.37
14	J	101	CLA	C1D-C2D	2.26	1.49	1.45
14	G	817	CLA	C1C-C2C	2.26	1.49	1.44
14	h	205	CLA	C3D-C2D	2.26	1.45	1.39
14	A	808	CLA	MG-NC	2.26	2.11	2.06
14	Y	806	CLA	C1D-ND	-2.26	1.34	1.37
14	A	812	CLA	C1C-NC	-2.26	1.34	1.37
14	G	823	CLA	MG-ND	-2.25	2.01	2.05
14	B	819	CLA	C4C-C3C	2.25	1.48	1.45
14	A	805	CLA	C1B-C2B	2.25	1.48	1.43
14	H	815	CLA	MG-ND	-2.25	2.01	2.05
14	A	810	CLA	C3B-C4B	2.25	1.49	1.42
14	Z	833	CLA	C4B-NB	-2.25	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	839	CLA	C1C-NC	-2.25	1.34	1.37
14	G	834	CLA	MG-ND	-2.25	2.01	2.05
14	G	830	CLA	C1D-ND	-2.25	1.34	1.37
14	H	825	CLA	C1A-CHA	2.25	1.52	1.43
14	Z	829	CLA	MG-ND	-2.25	2.01	2.05
14	A	815	CLA	C4C-C3C	2.25	1.48	1.45
14	h	201	CLA	C3B-C4B	2.25	1.49	1.42
14	H	834	CLA	MG-NC	2.25	2.11	2.06
14	F	202	CLA	C1A-CHA	2.25	1.52	1.43
14	A	806	CLA	C1C-NC	-2.25	1.34	1.37
14	B	840	CLA	C4D-CHA	2.25	1.46	1.38
14	Z	804	CLA	C1D-C2D	2.25	1.49	1.45
14	H	811	CLA	C1C-C2C	2.25	1.49	1.44
14	A	818	CLA	C4B-NB	-2.25	1.34	1.37
14	S	1102	CLA	C4C-C3C	2.24	1.48	1.45
14	G	826	CLA	MG-NC	2.24	2.11	2.06
14	B	834	CLA	C1C-NC	-2.24	1.34	1.37
14	B	834	CLA	C1B-C2B	2.24	1.48	1.43
14	G	813	CLA	MG-ND	-2.24	2.01	2.05
14	G	813	CLA	C4B-NB	-2.24	1.34	1.37
14	U	1002	CLA	C4C-C3C	2.24	1.48	1.45
19	Z	849	LMG	C43-C42	-2.24	1.34	1.50
14	Z	816	CLA	MG-NC	2.24	2.11	2.06
14	H	802	CLA	MG-ND	-2.24	2.01	2.05
14	G	813	CLA	C4C-C3C	2.24	1.48	1.45
14	B	818	CLA	C1C-NC	-2.24	1.34	1.37
14	A	820	CLA	MG-ND	-2.24	2.01	2.05
14	f	101	CLA	C4C-C3C	2.24	1.48	1.45
14	B	811	CLA	C1B-NB	-2.24	1.34	1.37
14	G	821	CLA	C1C-C2C	2.24	1.49	1.44
14	G	810	CLA	C3B-C4B	2.24	1.49	1.42
14	A	812	CLA	MG-ND	-2.24	2.01	2.05
14	Z	831	CLA	C1D-C2D	2.24	1.49	1.45
14	A	822	CLA	C4B-NB	-2.24	1.34	1.37
14	G	842	CLA	C1C-NC	-2.24	1.34	1.37
14	Z	819	CLA	MG-ND	-2.24	2.01	2.05
14	B	821	CLA	C1B-C2B	2.24	1.48	1.43
14	G	816	CLA	C3B-C4B	2.24	1.49	1.42
14	A	809	CLA	C4C-C3C	2.23	1.48	1.45
14	h	206	CLA	C4C-C3C	2.23	1.48	1.45
14	B	840	CLA	C3B-C4B	2.23	1.49	1.42
14	S	1102	CLA	MG-ND	-2.23	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	820	CLA	C1C-C2C	2.23	1.49	1.44
14	H	835	CLA	C1C-C2C	2.23	1.49	1.44
14	H	803	CLA	C1D-C2D	2.23	1.49	1.45
14	B	821	CLA	C1D-C2D	2.23	1.49	1.45
14	B	824	CLA	C1C-NC	-2.23	1.34	1.37
14	H	839	CLA	C3B-C4B	2.23	1.49	1.42
14	Y	821	CLA	C4B-NB	-2.23	1.34	1.37
14	Y	818	CLA	C4B-NB	-2.23	1.34	1.37
14	A	817	CLA	C1C-NC	-2.23	1.34	1.37
14	G	830	CLA	MG-NC	2.23	2.11	2.06
14	A	808	CLA	C4B-NB	-2.23	1.34	1.37
14	B	820	CLA	MG-ND	-2.23	2.01	2.05
14	A	811	CLA	C4B-NB	-2.22	1.34	1.37
14	G	802	CLA	C3B-C4B	2.22	1.49	1.42
14	Z	803	CLA	C3B-C4B	2.22	1.49	1.42
14	Z	836	CLA	C3B-C4B	2.22	1.49	1.42
14	B	817	CLA	OBD-CAD	2.22	1.26	1.22
14	A	834	CLA	MG-ND	-2.22	2.01	2.05
14	H	828	CLA	MG-NC	2.22	2.11	2.06
14	Y	834	CLA	C3B-C4B	2.22	1.49	1.42
14	A	824	CLA	MG-ND	-2.22	2.01	2.05
14	H	840	CLA	MG-NC	2.22	2.11	2.06
14	A	821	CLA	C1D-C2D	2.22	1.49	1.45
14	A	828	CLA	C1C-NC	-2.22	1.34	1.37
14	G	841	CLA	C3B-C2B	2.21	1.48	1.41
14	A	842	CLA	C1D-C2D	2.21	1.49	1.45
14	H	835	CLA	C1B-C2B	2.21	1.48	1.43
14	B	805	CLA	C1D-C2D	2.21	1.49	1.45
14	A	821	CLA	C4B-NB	-2.21	1.35	1.37
14	Q	202	CLA	C4B-NB	-2.21	1.35	1.37
14	H	826	CLA	C4C-C3C	2.21	1.48	1.45
14	G	827	CLA	C1C-NC	-2.21	1.34	1.37
14	Y	815	CLA	C4C-C3C	2.21	1.48	1.45
14	Y	824	CLA	C1B-C2B	2.21	1.48	1.43
14	Y	820	CLA	C4B-NB	-2.21	1.35	1.37
14	H	823	CLA	C1B-NB	-2.21	1.35	1.37
14	Z	823	CLA	C1C-NC	-2.21	1.34	1.37
14	A	823	CLA	C1A-CHA	2.21	1.52	1.43
14	G	809	CLA	C1B-C2B	2.21	1.48	1.43
14	G	853	CLA	C1B-C2B	2.21	1.48	1.43
14	Z	840	CLA	C4C-C3C	2.21	1.48	1.45
14	A	842	CLA	MG-ND	-2.21	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	824	CLA	C1D-C2D	2.21	1.49	1.45
14	G	852	CLA	C3B-C4B	2.21	1.49	1.42
14	A	838	CLA	C1D-ND	-2.21	1.35	1.37
14	Z	801	CLA	C3B-C4B	2.21	1.49	1.42
14	H	824	CLA	C1C-C2C	2.21	1.49	1.44
14	Y	803	CLA	C3B-C4B	2.21	1.49	1.42
14	G	814	CLA	C3B-C4B	2.21	1.49	1.42
14	d	201	CLA	C1D-C2D	2.20	1.49	1.45
14	A	815	CLA	C1C-C2C	2.20	1.49	1.44
14	Y	833	CLA	C1D-C2D	2.20	1.49	1.45
14	Z	817	CLA	C1B-C2B	2.20	1.48	1.43
14	G	828	CLA	MG-ND	-2.20	2.01	2.05
14	A	835	CLA	C3B-C4B	2.20	1.49	1.42
14	j	102	CLA	MG-ND	-2.20	2.01	2.05
14	G	842	CLA	C1C-C2C	2.20	1.49	1.44
14	H	815	CLA	C1D-ND	-2.20	1.35	1.37
14	B	803	CLA	C3D-C2D	2.20	1.45	1.39
14	h	206	CLA	C1D-C2D	2.20	1.49	1.45
14	Y	807	CLA	MG-ND	-2.20	2.01	2.05
14	X	1701	CLA	C1C-C2C	2.20	1.49	1.44
14	B	831	CLA	MG-NC	2.20	2.11	2.06
14	L	205	CLA	C1C-NC	-2.20	1.34	1.37
14	G	838	CLA	C4B-NB	-2.20	1.35	1.37
14	A	827	CLA	MG-ND	-2.20	2.01	2.05
14	Z	837	CLA	C3B-C4B	2.20	1.49	1.42
14	Y	839	CLA	MG-NC	2.20	2.11	2.06
17	H	847	BCR	C30-C25	-2.20	1.51	1.53
14	G	821	CLA	MG-NC	2.19	2.11	2.06
14	Y	815	CLA	C1C-C2C	2.19	1.49	1.44
14	B	814	CLA	C3B-C4B	2.19	1.49	1.42
14	Y	824	CLA	C3B-C4B	2.19	1.49	1.42
14	A	830	CLA	C3B-C4B	2.19	1.49	1.42
14	Y	835	CLA	C3B-C4B	2.19	1.49	1.42
14	A	818	CLA	MG-ND	-2.19	2.01	2.05
14	Z	820	CLA	C4C-C3C	2.19	1.48	1.45
14	j	102	CLA	C1D-ND	-2.19	1.35	1.37
14	H	833	CLA	MG-ND	-2.19	2.01	2.05
14	Z	822	CLA	C1D-ND	-2.19	1.35	1.37
14	A	803	CLA	CHB-C4A	-2.19	1.32	1.37
14	Z	840	CLA	MG-NC	2.19	2.11	2.06
14	B	826	CLA	C3B-C4B	2.19	1.49	1.42
14	B	810	CLA	C1C-NC	-2.19	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	827	CLA	C3B-C4B	2.19	1.49	1.42
14	G	807	CLA	C3B-C4B	2.19	1.49	1.42
17	Y	852	BCR	C30-C25	-2.19	1.51	1.53
14	B	837	CLA	C1B-C2B	2.19	1.48	1.43
14	Y	814	CLA	C3B-C4B	2.19	1.49	1.42
14	h	204	CLA	MG-NC	2.19	2.11	2.06
14	B	814	CLA	C1C-C2C	2.18	1.49	1.44
14	G	825	CLA	C1D-C2D	2.18	1.49	1.45
14	U	1004	CLA	C1B-C2B	2.18	1.48	1.43
14	G	815	CLA	MG-ND	-2.18	2.01	2.05
14	A	834	CLA	C3B-C4B	2.18	1.49	1.42
14	B	811	CLA	C1C-NC	-2.18	1.34	1.37
14	B	833	CLA	C4C-C3C	2.18	1.48	1.45
14	Y	811	CLA	C4C-C3C	2.18	1.48	1.45
14	Z	817	CLA	C1C-C2C	2.18	1.48	1.44
14	G	823	CLA	C4B-NB	-2.18	1.35	1.37
14	Z	819	CLA	C3B-C4B	2.18	1.49	1.42
14	G	835	CLA	C1C-NC	-2.18	1.34	1.37
14	h	205	CLA	C3B-C2B	2.18	1.48	1.41
14	B	833	CLA	C1C-NC	-2.18	1.34	1.37
14	A	823	CLA	C4C-C3C	2.18	1.48	1.45
14	H	831	CLA	C1C-C2C	2.18	1.48	1.44
14	B	829	CLA	MG-NC	2.18	2.11	2.06
14	W	1701	CLA	C1C-C2C	2.18	1.48	1.44
14	Y	838	CLA	C4B-NB	-2.18	1.35	1.37
14	H	838	CLA	MG-ND	-2.18	2.01	2.05
14	A	818	CLA	C3B-C4B	2.18	1.49	1.42
14	Y	816	CLA	MG-ND	-2.18	2.01	2.05
14	Y	821	CLA	MG-ND	-2.18	2.01	2.05
14	Z	804	CLA	MG-NC	2.17	2.11	2.06
14	G	828	CLA	C1B-C2B	2.17	1.48	1.43
14	Y	840	CLA	C1C-NC	-2.17	1.34	1.37
14	G	822	CLA	C1A-CHA	2.17	1.52	1.43
17	U	1009	BCR	C15-C14	2.17	1.49	1.43
14	B	806	CLA	C1D-C2D	2.17	1.49	1.45
14	Y	810	CLA	C1C-NC	-2.17	1.34	1.37
14	Z	831	CLA	C1C-NC	-2.17	1.34	1.37
14	H	840	CLA	C3D-C2D	2.17	1.44	1.39
14	Z	817	CLA	C3B-C4B	2.17	1.49	1.42
14	B	832	CLA	MG-ND	-2.17	2.01	2.05
14	H	821	CLA	C4B-NB	-2.17	1.35	1.37
14	U	1006	CLA	C4C-C3C	2.17	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	803	CLA	MG-NC	2.17	2.11	2.06
14	Y	810	CLA	C3B-C4B	2.17	1.49	1.42
14	Y	814	CLA	C4C-C3C	2.17	1.48	1.45
14	A	813	CLA	C1B-NB	-2.17	1.35	1.37
14	G	802	CLA	MG-NC	2.17	2.11	2.06
14	L	202	CLA	C1B-C2B	2.17	1.48	1.43
14	H	809	CLA	C4C-C3C	2.17	1.48	1.45
14	Y	814	CLA	C1C-C2C	2.17	1.48	1.44
14	G	806	CLA	C3B-C4B	2.17	1.49	1.42
14	G	809	CLA	C1C-NC	-2.17	1.34	1.37
14	Y	821	CLA	C1C-NC	-2.17	1.34	1.37
14	Z	826	CLA	C1D-C2D	2.17	1.49	1.45
14	Y	808	CLA	C1D-C2D	2.16	1.49	1.45
14	G	815	CLA	C1C-NC	-2.16	1.34	1.37
14	Y	807	CLA	C1C-C2C	2.16	1.48	1.44
14	T	101	CLA	C3B-C4B	2.16	1.49	1.42
14	G	820	CLA	C3B-C4B	2.16	1.49	1.42
14	A	834	CLA	C1C-C2C	2.16	1.48	1.44
14	B	832	CLA	C4B-NB	-2.16	1.35	1.37
14	A	821	CLA	C1C-NC	-2.16	1.34	1.37
14	H	817	CLA	C1D-C2D	2.16	1.49	1.45
14	K	101	CLA	MG-ND	-2.16	2.01	2.05
14	Y	813	CLA	C4C-C3C	2.16	1.48	1.45
14	J	102	CLA	C1A-CHA	2.16	1.52	1.43
14	A	810	CLA	C4B-NB	-2.16	1.35	1.37
14	T	101	CLA	C1C-C2C	2.16	1.48	1.44
14	A	813	CLA	C3B-C4B	2.16	1.49	1.42
14	G	805	CLA	C3B-C4B	2.16	1.49	1.42
14	H	813	CLA	C3B-C4B	2.16	1.49	1.42
14	Z	841	CLA	MG-NC	2.16	2.11	2.06
14	Y	829	CLA	MG-ND	-2.16	2.01	2.05
14	A	835	CLA	C1C-C2C	2.16	1.48	1.44
14	H	824	CLA	C1D-C2D	2.16	1.49	1.45
14	Z	836	CLA	C1D-C2D	2.16	1.49	1.45
14	H	812	CLA	C3B-C4B	2.16	1.49	1.42
14	Y	822	CLA	C1C-NC	-2.16	1.34	1.37
14	Y	822	CLA	C1D-ND	-2.16	1.35	1.37
14	A	827	CLA	MG-NC	2.16	2.11	2.06
14	H	803	CLA	MG-NC	2.16	2.11	2.06
14	A	833	CLA	OBD-CAD	2.16	1.26	1.22
14	B	823	CLA	C1C-NC	-2.16	1.34	1.37
14	A	809	CLA	C3B-C4B	2.16	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	813	CLA	C3B-C4B	2.16	1.49	1.42
14	Z	837	CLA	C1D-C2D	2.16	1.49	1.45
14	G	817	CLA	C1B-NB	-2.15	1.35	1.37
14	Y	817	CLA	C1C-NC	-2.15	1.34	1.37
14	A	822	CLA	C4C-C3C	2.15	1.48	1.45
14	G	831	CLA	C1D-ND	-2.15	1.35	1.37
14	B	829	CLA	C4C-C3C	2.15	1.48	1.45
14	H	822	CLA	MG-ND	-2.15	2.01	2.05
14	B	832	CLA	C1D-C2D	2.15	1.49	1.45
14	A	836	CLA	C3B-C4B	2.15	1.49	1.42
14	G	835	CLA	MG-ND	-2.15	2.01	2.05
14	H	832	CLA	MG-ND	-2.15	2.01	2.05
17	A	850	BCR	C1-C6	-2.15	1.51	1.53
13	A	801	CL0	C4C-C3C	2.15	1.48	1.45
14	B	825	CLA	C3B-C2B	2.15	1.48	1.41
14	H	802	CLA	C3B-C4B	2.15	1.49	1.42
14	A	840	CLA	C4C-C3C	2.15	1.48	1.45
14	Y	817	CLA	C4C-C3C	2.15	1.48	1.45
14	B	801	CLA	C3B-C4B	2.15	1.49	1.42
14	A	831	CLA	C1B-C2B	2.14	1.48	1.43
14	G	804	CLA	C1C-NC	-2.14	1.34	1.37
14	G	819	CLA	C4B-NB	-2.14	1.35	1.37
14	G	811	CLA	C1C-NC	-2.14	1.34	1.37
14	h	204	CLA	C3B-C4B	2.14	1.49	1.42
14	H	811	CLA	C1D-C2D	2.14	1.49	1.45
14	G	816	CLA	C1C-NC	-2.14	1.34	1.37
14	B	803	CLA	C1A-CHA	2.14	1.51	1.43
14	H	824	CLA	C4B-NB	-2.14	1.35	1.37
14	T	103	CLA	C1C-NC	-2.14	1.34	1.37
14	H	815	CLA	C1A-CHA	2.14	1.51	1.43
14	J	101	CLA	C1C-NC	-2.14	1.34	1.37
14	Y	835	CLA	C1C-NC	-2.14	1.34	1.37
14	A	824	CLA	C4C-C3C	2.14	1.48	1.45
14	Y	808	CLA	C1C-C2C	2.14	1.48	1.44
14	H	838	CLA	C3B-C4B	2.14	1.49	1.42
14	A	822	CLA	C1D-C2D	2.13	1.49	1.45
14	W	1701	CLA	MG-ND	-2.13	2.01	2.05
14	Y	839	CLA	C4C-C3C	2.13	1.48	1.45
14	G	808	CLA	MG-NC	2.13	2.11	2.06
14	A	841	CLA	MG-ND	-2.13	2.01	2.05
14	G	805	CLA	C1C-NC	-2.13	1.34	1.37
14	Z	802	CLA	C1C-NC	-2.13	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	H	816	CLA	C3B-C4B	2.13	1.49	1.42
14	A	840	CLA	C1C-C2C	2.13	1.48	1.44
14	H	824	CLA	C3B-C2B	2.13	1.48	1.41
14	B	810	CLA	C1C-C2C	2.13	1.48	1.44
14	H	801	CLA	C1C-C2C	2.13	1.48	1.44
14	H	826	CLA	C1C-C2C	2.13	1.48	1.44
14	A	825	CLA	C1C-C2C	2.13	1.48	1.44
14	f	101	CLA	C3B-C4B	2.13	1.48	1.42
14	B	805	CLA	C3B-C4B	2.13	1.48	1.42
14	J	102	CLA	C4C-C3C	2.13	1.48	1.45
14	Z	831	CLA	C1C-C2C	2.12	1.48	1.44
14	A	804	CLA	C3B-C2B	2.12	1.48	1.41
14	Y	831	CLA	C3B-C4B	2.12	1.48	1.42
14	Z	834	CLA	C1B-NB	-2.12	1.35	1.37
14	A	814	CLA	C3B-C4B	2.12	1.48	1.42
14	A	839	CLA	C4B-NB	-2.12	1.35	1.37
14	H	840	CLA	C1D-C2D	2.12	1.49	1.45
17	R	101	BCR	C24-C25	2.12	1.52	1.45
14	Z	838	CLA	C1C-C2C	2.12	1.48	1.44
14	Z	840	CLA	C3B-C4B	2.12	1.48	1.42
14	Y	823	CLA	C4C-C3C	2.12	1.48	1.45
14	S	1102	CLA	C1B-NB	-2.12	1.35	1.37
14	Y	820	CLA	C1C-NC	-2.12	1.34	1.37
14	H	830	CLA	C4B-NB	-2.12	1.35	1.37
14	Z	815	CLA	C1C-NC	-2.12	1.34	1.37
14	H	818	CLA	C4B-NB	-2.12	1.35	1.37
14	A	828	CLA	C1D-C2D	2.12	1.49	1.45
14	Z	810	CLA	C1A-CHA	2.12	1.51	1.43
14	A	805	CLA	C4C-C3C	2.12	1.48	1.45
14	Y	812	CLA	C1C-NC	-2.12	1.34	1.37
14	H	828	CLA	C1A-CHA	2.11	1.51	1.43
14	B	834	CLA	MG-ND	-2.11	2.01	2.05
14	B	824	CLA	MG-NC	2.11	2.11	2.06
14	G	815	CLA	C3B-C4B	2.11	1.48	1.42
17	U	1008	BCR	C1-C6	2.11	1.56	1.53
14	H	838	CLA	C1A-CHA	2.11	1.51	1.43
14	Y	816	CLA	C1B-NB	-2.11	1.35	1.37
14	G	806	CLA	C1C-C2C	2.11	1.48	1.44
14	A	820	CLA	C4C-C3C	2.11	1.48	1.45
14	Z	837	CLA	C4B-NB	-2.11	1.35	1.37
14	H	819	CLA	C1B-C2B	2.11	1.48	1.43
14	L	205	CLA	C4C-C3C	2.11	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X	1701	CLA	C3B-C2B	2.11	1.48	1.41
14	Y	822	CLA	C3B-C4B	2.11	1.48	1.42
14	Y	838	CLA	C1D-ND	-2.11	1.35	1.37
14	L	206	CLA	C1C-C2C	2.11	1.48	1.44
14	A	824	CLA	C1C-NC	-2.10	1.34	1.37
14	G	837	CLA	C4C-C3C	2.10	1.48	1.45
14	Z	806	CLA	MG-NC	2.10	2.11	2.06
14	H	835	CLA	C1B-NB	-2.10	1.35	1.37
14	A	820	CLA	C1C-NC	-2.10	1.34	1.37
14	A	811	CLA	C3B-C4B	2.10	1.48	1.42
14	A	843	CLA	C3B-C4B	2.10	1.48	1.42
14	Z	833	CLA	C3B-C4B	2.10	1.48	1.42
17	Y	844	BCR	C5-C6	2.10	1.38	1.34
14	G	806	CLA	C4B-NB	-2.10	1.35	1.37
14	Y	810	CLA	C4C-C3C	2.10	1.48	1.45
14	A	830	CLA	C1B-C2B	2.10	1.48	1.43
14	Y	839	CLA	C4B-NB	-2.10	1.35	1.37
14	B	802	CLA	C1B-C2B	2.10	1.48	1.43
14	Y	815	CLA	C1C-NC	-2.10	1.34	1.37
14	Z	806	CLA	C1A-CHA	2.09	1.51	1.43
14	g	101	CLA	C3B-C4B	2.09	1.48	1.42
14	B	816	CLA	C1D-C2D	2.09	1.49	1.45
14	h	205	CLA	C4D-CHA	2.09	1.45	1.38
14	Z	825	CLA	C4C-C3C	2.09	1.48	1.45
14	A	803	CLA	C1B-C2B	2.09	1.48	1.43
14	A	822	CLA	C1A-CHA	2.09	1.51	1.43
14	L	204	CLA	C3B-C4B	2.09	1.48	1.42
14	G	837	CLA	MG-ND	-2.09	2.01	2.05
14	G	833	CLA	C1B-C2B	2.09	1.48	1.43
14	G	820	CLA	C1C-C2C	2.09	1.48	1.44
14	Y	802	CLA	C4C-C3C	2.09	1.48	1.45
14	A	854	CLA	C1C-NC	-2.09	1.34	1.37
14	Y	802	CLA	C1B-C2B	2.09	1.48	1.43
14	g	102	CLA	C4B-NB	-2.09	1.35	1.37
17	A	847	BCR	C12-C13	2.09	1.50	1.46
14	A	822	CLA	C1C-C2C	2.08	1.48	1.44
14	H	831	CLA	C3B-C4B	2.08	1.48	1.42
14	Z	835	CLA	C1C-C2C	2.08	1.48	1.44
14	A	814	CLA	MG-NC	2.08	2.11	2.06
14	G	852	CLA	C1B-C2B	2.08	1.48	1.43
14	L	201	CLA	C3B-C2B	2.08	1.48	1.41
14	X	1701	CLA	C1D-C2D	2.08	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Y	804	CLA	C4B-NB	-2.08	1.35	1.37
14	B	802	CLA	C1D-C2D	2.08	1.49	1.45
14	Y	824	CLA	C4B-NB	-2.08	1.35	1.37
14	Z	802	CLA	C1C-C2C	2.08	1.48	1.44
14	U	1007	CLA	C1A-CHA	2.08	1.51	1.43
14	g	101	CLA	C1C-NC	-2.08	1.34	1.37
14	G	821	CLA	C1B-C2B	2.08	1.48	1.43
14	H	834	CLA	MG-ND	-2.08	2.01	2.05
17	M	101	BCR	C23-C22	2.08	1.50	1.46
14	H	811	CLA	C1D-ND	-2.08	1.35	1.37
14	H	819	CLA	C3B-C4B	2.08	1.48	1.42
14	G	840	CLA	C4B-NB	-2.08	1.35	1.37
14	H	821	CLA	C1B-NB	-2.08	1.35	1.37
14	Z	822	CLA	C3B-C2B	2.08	1.48	1.41
14	G	808	CLA	C1B-C2B	2.07	1.48	1.43
14	Y	803	CLA	C4C-C3C	2.07	1.48	1.45
14	H	834	CLA	C3B-C4B	2.07	1.48	1.42
14	B	810	CLA	C4B-NB	-2.07	1.35	1.37
14	H	812	CLA	C1D-C2D	2.07	1.49	1.45
14	A	821	CLA	C3B-C4B	2.07	1.48	1.42
14	A	817	CLA	C1D-ND	-2.07	1.35	1.37
14	Y	806	CLA	C4B-NB	-2.07	1.35	1.37
14	A	816	CLA	MG-ND	-2.07	2.01	2.05
14	h	201	CLA	C1C-C2C	2.07	1.48	1.44
14	Z	832	CLA	C4C-C3C	2.07	1.48	1.45
14	f	102	CLA	C3B-C4B	2.07	1.48	1.42
14	G	810	CLA	C1C-C2C	2.07	1.48	1.44
14	G	808	CLA	C4B-NB	-2.07	1.35	1.37
14	Z	825	CLA	C1C-C2C	2.07	1.48	1.44
14	Z	812	CLA	C1B-C2B	2.07	1.48	1.43
14	B	836	CLA	C3B-C4B	2.07	1.48	1.42
14	J	102	CLA	MG-ND	-2.07	2.01	2.05
14	G	835	CLA	C4C-C3C	2.07	1.48	1.45
14	H	818	CLA	C4C-C3C	2.07	1.48	1.45
14	H	837	CLA	C1B-NB	-2.07	1.35	1.37
14	W	1701	CLA	C1A-CHA	2.07	1.51	1.43
14	H	811	CLA	C4C-C3C	2.07	1.48	1.45
14	G	823	CLA	C1C-NC	-2.07	1.34	1.37
14	B	822	CLA	C4B-NB	-2.07	1.35	1.37
14	B	802	CLA	C3B-C4B	2.07	1.48	1.42
14	Z	840	CLA	C1D-C2D	2.07	1.49	1.45
14	H	815	CLA	C1D-C2D	2.06	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	816	CLA	C1C-NC	-2.06	1.34	1.37
14	L	202	CLA	C3D-C2D	2.06	1.44	1.39
14	B	805	CLA	C1D-ND	-2.06	1.35	1.37
14	Y	824	CLA	C1C-C2C	2.06	1.48	1.44
14	H	823	CLA	C4C-C3C	2.06	1.48	1.45
14	Z	816	CLA	MG-ND	-2.06	2.01	2.05
14	H	838	CLA	C4B-NB	-2.06	1.35	1.37
14	A	808	CLA	C3B-C4B	2.06	1.48	1.42
14	H	810	CLA	C3B-C4B	2.06	1.48	1.42
14	L	204	CLA	C1C-C2C	2.06	1.48	1.44
14	B	804	CLA	C2A-C1A	-2.06	1.47	1.52
14	Z	829	CLA	C1B-C2B	2.06	1.48	1.43
14	G	814	CLA	C1C-NC	-2.06	1.34	1.37
14	f	102	CLA	C1C-C2C	2.06	1.48	1.44
14	A	808	CLA	C4C-C3C	2.06	1.48	1.45
14	d	202	CLA	C3B-C4B	2.06	1.48	1.42
14	Z	832	CLA	C1D-C2D	2.05	1.49	1.45
14	A	806	CLA	C4B-NB	-2.05	1.35	1.37
14	B	803	CLA	C4C-C3C	2.05	1.48	1.45
14	G	853	CLA	MG-NC	2.05	2.11	2.06
14	G	853	CLA	C3B-C4B	2.05	1.48	1.42
14	Z	833	CLA	C4D-CHA	2.05	1.45	1.38
14	Z	802	CLA	C1D-C2D	2.05	1.49	1.45
14	Z	828	CLA	C4C-C3C	2.05	1.48	1.45
19	H	848	LMG	O7-C8	-2.05	1.41	1.46
14	A	843	CLA	C4C-C3C	2.05	1.48	1.45
14	G	805	CLA	MG-ND	-2.05	2.01	2.05
14	Y	805	CLA	CBD-CAD	-2.05	1.47	1.56
14	A	824	CLA	C3B-C4B	2.05	1.48	1.42
14	H	822	CLA	C4B-NB	-2.05	1.35	1.37
14	B	835	CLA	C4B-NB	-2.05	1.35	1.37
14	G	820	CLA	C1D-C2D	2.05	1.49	1.45
14	G	840	CLA	C1B-C2B	2.05	1.47	1.43
14	A	838	CLA	C1C-NC	-2.04	1.34	1.37
14	Z	826	CLA	C1D-ND	-2.04	1.35	1.37
14	G	813	CLA	C1C-NC	-2.04	1.34	1.37
14	S	1102	CLA	C3B-C4B	2.04	1.48	1.42
14	Y	819	CLA	C3B-C4B	2.04	1.48	1.42
14	H	804	CLA	C1C-NC	-2.04	1.34	1.37
14	Y	832	CLA	C4C-C3C	2.04	1.48	1.45
14	G	822	CLA	C1D-ND	-2.04	1.35	1.37
14	Z	822	CLA	MG-ND	-2.04	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	803	CLA	C1C-NC	-2.04	1.34	1.37
14	B	836	CLA	C1D-C2D	2.04	1.49	1.45
14	B	828	CLA	CHB-C4A	-2.04	1.32	1.37
14	J	101	CLA	C1C-C2C	2.04	1.48	1.44
14	Z	803	CLA	MG-ND	-2.04	2.01	2.05
14	Y	835	CLA	C1D-ND	-2.04	1.35	1.37
14	H	838	CLA	C1C-NC	-2.04	1.34	1.37
14	G	829	CLA	C3B-C4B	2.04	1.48	1.42
17	H	844	BCR	C21-C22	-2.04	1.31	1.35
14	G	807	CLA	CBD-CAD	-2.04	1.47	1.56
14	G	835	CLA	C4B-NB	-2.04	1.35	1.37
14	A	839	CLA	C3B-C4B	2.04	1.48	1.42
14	A	835	CLA	C4C-C3C	2.03	1.48	1.45
14	G	840	CLA	C1C-C2C	2.03	1.48	1.44
17	Y	844	BCR	C12-C13	2.03	1.50	1.46
14	G	813	CLA	C1B-NB	-2.03	1.35	1.37
17	B	843	BCR	C30-C25	-2.03	1.51	1.53
14	A	823	CLA	MG-ND	-2.03	2.01	2.05
14	H	802	CLA	C1A-CHA	2.03	1.51	1.43
14	A	837	CLA	C1D-ND	-2.03	1.35	1.37
14	Z	812	CLA	C4B-NB	-2.03	1.35	1.37
14	Z	814	CLA	C3B-C4B	2.03	1.48	1.42
14	Y	806	CLA	C1D-C2D	2.03	1.49	1.45
14	A	805	CLA	C1D-C2D	2.03	1.49	1.45
14	L	205	CLA	C1D-C2D	2.03	1.49	1.45
14	Y	816	CLA	C3B-C4B	2.03	1.48	1.42
14	J	102	CLA	C3B-C4B	2.03	1.48	1.42
14	A	837	CLA	C3B-C4B	2.03	1.48	1.42
14	H	851	CLA	C1A-CHA	2.03	1.51	1.43
14	G	833	CLA	C4C-C3C	2.03	1.48	1.45
14	G	840	CLA	C1D-C2D	2.03	1.49	1.45
14	Y	814	CLA	C1D-C2D	2.03	1.49	1.45
14	Z	805	CLA	C3B-C2B	2.03	1.48	1.41
14	Z	825	CLA	C3B-C2B	2.03	1.48	1.41
14	H	822	CLA	C1A-CHA	2.02	1.51	1.43
14	Y	816	CLA	C4C-C3C	2.02	1.48	1.45
14	G	802	CLA	C1D-C2D	2.02	1.49	1.45
14	Z	812	CLA	C4C-C3C	2.02	1.48	1.45
14	H	804	CLA	MG-NC	2.02	2.11	2.06
14	A	831	CLA	C4C-C3C	2.02	1.48	1.45
14	A	832	CLA	C1B-C2B	2.02	1.47	1.43
14	Y	807	CLA	C4C-C3C	2.02	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	805	CLA	C1B-NB	-2.02	1.35	1.37
14	Z	827	CLA	C3B-C2B	2.02	1.48	1.41
14	Z	838	CLA	C4B-NB	-2.02	1.35	1.37
14	H	801	CLA	C1C-NC	-2.02	1.34	1.37
14	B	812	CLA	C3B-C2B	2.02	1.48	1.41
14	A	815	CLA	C4B-NB	-2.02	1.35	1.37
14	B	824	CLA	C3B-C4B	2.02	1.48	1.42
14	B	823	CLA	C4C-C3C	2.02	1.48	1.45
14	T	103	CLA	C4C-C3C	2.02	1.48	1.45
14	G	823	CLA	C1A-CHA	2.02	1.51	1.43
14	G	806	CLA	C3B-C2B	2.02	1.48	1.41
14	K	101	CLA	C4C-C3C	2.02	1.48	1.45
14	Y	840	CLA	C1D-C2D	2.02	1.49	1.45
14	Z	805	CLA	C3B-C4B	2.02	1.48	1.42
14	Y	822	CLA	C1A-CHA	2.02	1.51	1.43
14	B	817	CLA	C1C-C2C	2.02	1.48	1.44
14	A	843	CLA	C1C-NC	-2.02	1.34	1.37
14	Z	822	CLA	C1A-CHA	2.02	1.51	1.43
14	Y	806	CLA	C3B-C4B	2.02	1.48	1.42
14	G	810	CLA	C1D-ND	-2.02	1.35	1.37
14	B	836	CLA	C1C-C2C	2.01	1.48	1.44
14	H	836	CLA	C3B-C4B	2.01	1.48	1.42
14	Z	824	CLA	C1D-ND	-2.01	1.35	1.37
14	B	807	CLA	C3B-C4B	2.01	1.48	1.42
14	K	101	CLA	C3B-C4B	2.01	1.48	1.42
14	j	102	CLA	C4B-NB	-2.01	1.35	1.37
14	B	821	CLA	C4C-C3C	2.01	1.48	1.45
14	H	835	CLA	C1D-ND	-2.01	1.35	1.37
14	U	1007	CLA	CHB-C4A	-2.01	1.32	1.37
14	L	205	CLA	C1C-C2C	2.01	1.48	1.44
14	G	828	CLA	C1C-C2C	2.01	1.48	1.44
14	H	825	CLA	C1C-C2C	2.01	1.48	1.44
14	B	818	CLA	C3B-C4B	2.01	1.48	1.42
14	A	822	CLA	C1C-NC	-2.01	1.34	1.37
14	Z	806	CLA	C3B-C2B	2.01	1.47	1.41
14	H	802	CLA	C1D-C2D	2.01	1.49	1.45
14	T	103	CLA	C1C-C2C	2.01	1.48	1.44
14	G	804	CLA	C3B-C4B	2.01	1.48	1.42
14	B	819	CLA	C3B-C2B	2.01	1.47	1.41
14	H	833	CLA	C1D-ND	-2.01	1.35	1.37
14	Z	801	CLA	C1C-C2C	2.01	1.48	1.44
14	Y	810	CLA	C3B-C2B	2.01	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	Z	831	CLA	MG-NC	2.01	2.11	2.06
14	H	822	CLA	C3B-C4B	2.01	1.48	1.42
14	G	853	CLA	C3B-C2B	2.01	1.47	1.41
14	B	823	CLA	C1A-CHA	2.00	1.51	1.43
14	G	808	CLA	C1D-C2D	2.00	1.49	1.45
14	Y	820	CLA	C3B-C4B	2.00	1.48	1.42
14	Z	814	CLA	C4C-C3C	2.00	1.48	1.45
14	B	819	CLA	C1D-C2D	2.00	1.49	1.45
14	H	837	CLA	C1C-NC	-2.00	1.34	1.37
14	G	805	CLA	C4B-NB	-2.00	1.35	1.37
14	B	802	CLA	C4C-C3C	2.00	1.48	1.45
14	F	202	CLA	C1C-C2C	2.00	1.48	1.44
14	Z	840	CLA	C4B-NB	-2.00	1.35	1.37
14	H	813	CLA	C1C-NC	-2.00	1.34	1.37
14	Y	833	CLA	C3B-C4B	2.00	1.48	1.42
15	B	841	PQN	C11-C12	2.00	1.53	1.50
14	B	814	CLA	C4C-C3C	2.00	1.48	1.45
14	Y	825	CLA	C3B-C4B	2.00	1.48	1.42

All (9253) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	848	BCR	C16-C17-C18	33.83	174.73	127.28
17	i	101	BCR	C16-C17-C18	30.64	170.25	127.28
17	Y	846	BCR	C16-C17-C18	30.48	170.03	127.28
17	R	101	BCR	C16-C17-C18	29.95	169.28	127.28
17	Y	849	BCR	C16-C17-C18	28.77	167.63	127.28
17	S	1105	BCR	C16-C17-C18	28.74	167.59	127.28
17	A	847	BCR	C16-C17-C18	28.74	167.59	127.28
17	Y	845	BCR	C16-C17-C18	28.71	167.54	127.28
17	Z	850	BCR	C16-C17-C18	28.53	167.29	127.28
17	Q	201	BCR	C16-C17-C18	28.21	166.84	127.28
17	G	845	BCR	C16-C17-C18	28.04	166.60	127.28
17	A	851	BCR	C16-C17-C18	27.90	166.40	127.28
17	U	1005	BCR	C16-C17-C18	27.11	165.29	127.28
17	R	102	BCR	C16-C17-C18	27.08	165.26	127.28
17	H	846	BCR	C16-C17-C18	27.07	165.24	127.28
17	Y	844	BCR	C16-C17-C18	27.05	165.22	127.28
17	I	101	BCR	C16-C17-C18	27.01	165.16	127.28
17	B	843	BCR	C16-C17-C18	26.97	165.10	127.28
17	G	849	BCR	C16-C17-C18	26.95	165.07	127.28
17	Z	844	BCR	C16-C17-C18	26.90	165.01	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	846	BCR	C16-C17-C18	26.89	165.00	127.28
17	B	842	BCR	C16-C17-C18	26.87	164.96	127.28
17	Z	847	BCR	C16-C17-C18	26.86	164.94	127.28
17	d	203	BCR	C16-C17-C18	26.62	164.61	127.28
17	B	850	BCR	C16-C17-C18	26.48	164.41	127.28
17	Y	848	BCR	C16-C17-C18	26.44	164.36	127.28
17	Q	203	BCR	C16-C17-C18	26.40	164.31	127.28
17	J	103	BCR	C16-C17-C18	26.38	164.27	127.28
17	L	207	BCR	C16-C17-C18	26.37	164.26	127.28
17	G	848	BCR	C16-C17-C18	26.36	164.24	127.28
17	Y	852	BCR	C16-C17-C18	26.32	164.19	127.28
17	F	203	BCR	C16-C17-C18	26.24	164.08	127.28
17	T	102	BCR	C16-C17-C18	26.16	163.97	127.28
17	H	850	BCR	C16-C17-C18	26.09	163.87	127.28
17	G	847	BCR	C16-C17-C18	26.07	163.83	127.28
17	B	845	BCR	C16-C17-C18	26.04	163.80	127.28
17	I	101	BCR	C20-C21-C22	25.87	163.56	127.28
17	B	846	BCR	C16-C17-C18	25.75	163.39	127.28
17	U	1009	BCR	C16-C17-C18	25.67	163.27	127.28
17	B	847	BCR	C16-C17-C18	25.66	163.26	127.28
17	e	101	BCR	C20-C21-C22	25.61	163.19	127.28
17	B	843	BCR	C20-C21-C22	25.60	163.18	127.28
17	h	207	BCR	C16-C17-C18	25.50	163.04	127.28
17	V	101	BCR	C16-C17-C18	25.39	162.89	127.28
17	U	1008	BCR	C16-C17-C18	25.38	162.87	127.28
17	H	845	BCR	C16-C17-C18	25.15	162.55	127.28
17	A	850	BCR	C16-C17-C18	24.95	162.26	127.28
17	Y	844	BCR	C20-C21-C22	24.89	162.18	127.28
17	A	849	BCR	C16-C17-C18	24.87	162.16	127.28
17	Z	845	BCR	C16-C17-C18	24.78	162.03	127.28
17	R	101	BCR	C20-C21-C22	24.73	161.96	127.28
17	Y	853	BCR	C16-C17-C18	24.71	161.93	127.28
17	e	101	BCR	C15-C16-C17	24.64	173.93	123.52
17	H	842	BCR	C16-C17-C18	24.60	161.78	127.28
17	S	1104	BCR	C16-C17-C18	24.44	161.55	127.28
17	G	846	BCR	C16-C17-C18	24.43	161.54	127.28
17	A	846	BCR	C20-C21-C22	24.38	161.47	127.28
17	F	201	BCR	C16-C17-C18	24.35	161.42	127.28
17	M	101	BCR	C16-C17-C18	24.30	161.36	127.28
17	H	843	BCR	C16-C17-C18	24.26	161.30	127.28
17	h	202	BCR	C16-C17-C18	23.96	160.88	127.28
17	H	847	BCR	C16-C17-C18	23.94	160.86	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	I	102	BCR	C16-C17-C18	23.86	160.74	127.28
17	Y	847	BCR	C16-C17-C18	23.85	160.73	127.28
17	A	848	BCR	C16-C17-C18	23.72	160.55	127.28
17	L	208	BCR	C16-C17-C18	23.70	160.52	127.28
17	Z	845	BCR	C15-C16-C17	23.69	171.99	123.52
17	Z	843	BCR	C16-C17-C18	23.69	160.50	127.28
17	f	103	BCR	C16-C17-C18	23.58	160.35	127.28
17	B	844	BCR	C16-C17-C18	23.56	160.32	127.28
17	S	1105	BCR	C20-C21-C22	23.52	160.26	127.28
17	Y	847	BCR	C20-C21-C22	23.43	160.14	127.28
17	e	101	BCR	C16-C17-C18	23.35	160.03	127.28
17	U	1009	BCR	C15-C16-C17	23.32	171.24	123.52
17	T	102	BCR	C20-C21-C22	23.12	159.71	127.28
17	f	103	BCR	C15-C16-C17	23.08	170.75	123.52
17	Y	847	BCR	C15-C16-C17	22.97	170.52	123.52
17	J	104	BCR	C16-C17-C18	22.78	159.23	127.28
17	h	202	BCR	C15-C16-C17	22.76	170.09	123.52
17	Y	852	BCR	C15-C16-C17	22.74	170.04	123.52
17	H	844	BCR	C15-C16-C17	22.73	170.02	123.52
17	L	208	BCR	C15-C16-C17	22.62	169.80	123.52
17	H	842	BCR	C15-C16-C17	22.61	169.78	123.52
17	H	847	BCR	C15-C16-C17	22.60	169.75	123.52
17	A	848	BCR	C15-C16-C17	22.53	169.61	123.52
17	Z	846	BCR	C15-C16-C17	22.52	169.60	123.52
17	M	101	BCR	C15-C16-C17	22.48	169.53	123.52
17	Z	846	BCR	C16-C17-C18	22.46	158.78	127.28
17	H	845	BCR	C15-C16-C17	22.45	169.46	123.52
17	H	844	BCR	C16-C17-C18	22.43	158.74	127.28
17	B	844	BCR	C15-C16-C17	22.42	169.40	123.52
17	Z	845	BCR	C20-C21-C22	22.19	158.40	127.28
17	B	844	BCR	C20-C21-C22	22.18	158.39	127.28
17	f	103	BCR	C20-C21-C22	22.15	158.34	127.28
17	G	849	BCR	C20-C21-C22	22.10	158.28	127.28
17	G	847	BCR	C20-C21-C22	21.99	158.11	127.28
17	Z	848	BCR	C20-C21-C22	21.99	158.11	127.28
17	H	844	BCR	C20-C21-C22	21.95	158.06	127.28
17	I	102	BCR	C15-C16-C17	21.86	168.25	123.52
17	Y	849	BCR	C20-C21-C22	21.78	157.82	127.28
17	B	847	BCR	C15-C16-C17	21.77	168.07	123.52
17	A	850	BCR	C15-C16-C17	21.74	168.01	123.52
17	F	201	BCR	C15-C16-C17	21.74	168.00	123.52
17	G	846	BCR	C15-C16-C17	21.73	167.98	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Y	846	BCR	C20-C21-C22	21.65	157.64	127.28
17	J	104	BCR	C15-C16-C17	21.53	167.57	123.52
17	A	849	BCR	C15-C16-C17	21.52	167.56	123.52
17	A	851	BCR	C20-C21-C22	21.44	157.34	127.28
17	S	1104	BCR	C15-C16-C17	21.37	167.25	123.52
17	H	850	BCR	C15-C16-C17	21.36	167.22	123.52
17	Z	843	BCR	C15-C16-C17	21.35	167.21	123.52
17	J	103	BCR	C20-C21-C22	21.26	157.09	127.28
17	R	102	BCR	C15-C16-C17	21.25	167.00	123.52
17	Y	848	BCR	C15-C16-C17	21.19	166.88	123.52
17	A	847	BCR	C20-C21-C22	21.17	156.97	127.28
17	B	850	BCR	C15-C16-C17	21.16	166.81	123.52
17	A	850	BCR	C20-C21-C22	21.13	156.91	127.28
17	L	207	BCR	C15-C16-C17	21.12	166.74	123.52
17	B	846	BCR	C15-C16-C17	21.06	166.61	123.52
17	V	101	BCR	C15-C16-C17	21.04	166.57	123.52
17	Y	848	BCR	C20-C21-C22	21.03	156.77	127.28
17	Y	853	BCR	C15-C16-C17	21.03	166.55	123.52
17	U	1008	BCR	C15-C16-C17	21.03	166.54	123.52
17	I	101	BCR	C15-C16-C17	20.97	166.42	123.52
17	G	848	BCR	C15-C16-C17	20.92	166.32	123.52
17	T	102	BCR	C15-C16-C17	20.92	166.32	123.52
17	F	203	BCR	C15-C16-C17	20.75	165.98	123.52
17	Y	844	BCR	C15-C16-C17	20.68	165.83	123.52
17	A	851	BCR	C15-C16-C17	20.63	165.73	123.52
17	G	845	BCR	C20-C21-C22	20.62	156.20	127.28
17	H	843	BCR	C15-C16-C17	20.62	165.71	123.52
17	A	846	BCR	C15-C16-C17	20.58	165.63	123.52
17	B	843	BCR	C15-C16-C17	20.56	165.58	123.52
17	R	101	BCR	C15-C16-C17	20.48	165.43	123.52
17	G	847	BCR	C15-C16-C17	20.44	165.34	123.52
17	H	842	BCR	C20-C21-C22	20.43	155.93	127.28
17	G	849	BCR	C15-C16-C17	20.42	165.31	123.52
17	Q	203	BCR	C15-C16-C17	20.42	165.30	123.52
17	H	847	BCR	C20-C21-C22	20.40	155.89	127.28
17	h	207	BCR	C15-C16-C17	20.37	165.20	123.52
17	i	101	BCR	C20-C21-C22	20.28	155.73	127.28
17	h	207	BCR	C20-C21-C22	20.27	155.70	127.28
17	B	842	BCR	C20-C21-C22	20.27	158.43	127.48
17	B	845	BCR	C15-C16-C17	20.24	164.94	123.52
17	S	1104	BCR	C20-C21-C22	20.20	155.60	127.28
17	d	203	BCR	C15-C16-C17	20.20	164.84	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	847	BCR	C15-C16-C17	20.16	164.77	123.52
17	Y	845	BCR	C20-C21-C22	20.13	155.51	127.28
17	A	848	BCR	C20-C21-C22	20.11	155.48	127.28
17	I	102	BCR	C20-C21-C22	20.09	155.45	127.28
17	Z	844	BCR	C15-C16-C17	20.08	164.60	123.52
17	U	1008	BCR	C20-C21-C22	20.06	155.41	127.28
17	H	846	BCR	C15-C16-C17	20.02	164.47	123.52
17	R	102	BCR	C20-C21-C22	20.01	155.34	127.28
17	Z	846	BCR	C20-C21-C22	20.00	155.32	127.28
17	B	847	BCR	C20-C21-C22	19.99	155.32	127.28
17	J	104	BCR	C20-C21-C22	19.94	155.24	127.28
17	B	846	BCR	C20-C21-C22	19.94	155.24	127.28
17	U	1005	BCR	C20-C21-C22	19.64	154.82	127.28
17	U	1005	BCR	C15-C16-C17	19.59	163.60	123.52
17	Z	847	BCR	C20-C21-C22	19.54	154.69	127.28
17	S	1105	BCR	C15-C16-C17	19.45	163.33	123.52
17	Z	843	BCR	C20-C21-C22	19.42	154.51	127.28
17	G	848	BCR	C20-C21-C22	19.38	154.46	127.28
17	Y	849	BCR	C15-C16-C17	19.33	163.06	123.52
17	M	101	BCR	C20-C21-C22	19.30	154.35	127.28
17	A	849	BCR	C20-C21-C22	19.27	154.31	127.28
17	L	207	BCR	C20-C21-C22	19.22	154.24	127.28
17	A	846	BCR	C10-C11-C12	19.20	178.82	123.20
17	H	846	BCR	C20-C21-C22	19.18	154.18	127.28
17	F	201	BCR	C20-C21-C22	19.15	154.14	127.28
17	H	843	BCR	C20-C21-C22	19.09	154.05	127.28
17	h	202	BCR	C20-C21-C22	19.05	154.00	127.28
17	B	844	BCR	C10-C11-C12	19.03	178.33	123.20
17	Z	850	BCR	C20-C21-C22	19.00	153.92	127.28
17	Y	846	BCR	C15-C16-C17	18.93	162.26	123.52
17	B	843	BCR	C10-C11-C12	18.92	178.03	123.20
17	U	1009	BCR	C20-C21-C22	18.89	153.77	127.28
17	i	101	BCR	C15-C16-C17	18.76	161.90	123.52
17	Y	852	BCR	C20-C21-C22	18.72	153.53	127.28
17	H	843	BCR	C10-C11-C12	18.71	177.42	123.20
17	T	102	BCR	C10-C11-C12	18.70	177.38	123.20
17	i	101	BCR	C10-C11-C12	18.69	177.36	123.20
17	G	846	BCR	C20-C21-C22	18.69	153.49	127.28
17	Y	845	BCR	C10-C11-C12	18.67	177.29	123.20
17	H	842	BCR	C10-C11-C12	18.64	177.21	123.20
17	H	845	BCR	C20-C21-C22	18.59	153.34	127.28
17	H	850	BCR	C20-C21-C22	18.54	153.28	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Y	852	BCR	C10-C11-C12	18.54	176.92	123.20
17	S	1105	BCR	C10-C11-C12	18.53	176.88	123.20
17	Y	847	BCR	C10-C11-C12	18.52	176.86	123.20
17	Q	201	BCR	C20-C21-C22	18.45	153.15	127.28
17	H	846	BCR	C10-C11-C12	18.42	176.58	123.20
17	J	104	BCR	C10-C11-C12	18.42	176.58	123.20
17	Z	844	BCR	C20-C21-C22	18.42	153.11	127.28
17	B	842	BCR	C10-C11-C12	18.41	176.54	123.20
17	A	850	BCR	C10-C11-C12	18.41	176.54	123.20
17	Y	853	BCR	C20-C21-C22	18.38	153.05	127.28
17	V	101	BCR	C10-C11-C12	18.37	176.42	123.20
17	U	1005	BCR	C10-C11-C12	18.35	176.36	123.20
17	M	101	BCR	C10-C11-C12	18.31	176.26	123.20
17	f	103	BCR	C10-C11-C12	18.28	176.18	123.20
17	G	845	BCR	C10-C11-C12	18.23	176.03	123.20
17	A	848	BCR	C10-C11-C12	18.19	175.92	123.20
17	Y	846	BCR	C10-C11-C12	18.16	175.83	123.20
17	G	848	BCR	C10-C11-C12	18.16	175.81	123.20
17	B	846	BCR	C10-C11-C12	18.10	175.64	123.20
17	L	207	BCR	C10-C11-C12	18.07	175.55	123.20
17	B	850	BCR	C20-C21-C22	18.05	152.59	127.28
17	Q	203	BCR	C10-C11-C12	18.05	175.49	123.20
17	L	208	BCR	C20-C21-C22	17.96	152.47	127.28
17	H	850	BCR	C10-C11-C12	17.95	175.22	123.20
17	G	846	BCR	C10-C11-C12	17.95	175.21	123.20
17	F	201	BCR	C10-C11-C12	17.95	175.20	123.20
17	Y	853	BCR	C10-C11-C12	17.89	175.03	123.20
17	A	849	BCR	C10-C11-C12	17.89	175.02	123.20
17	I	102	BCR	C10-C11-C12	17.85	174.93	123.20
17	d	203	BCR	C20-C21-C22	17.83	152.29	127.28
17	F	203	BCR	C10-C11-C12	17.81	174.82	123.20
17	Z	850	BCR	C10-C11-C12	17.81	174.81	123.20
17	S	1104	BCR	C10-C11-C12	17.80	174.77	123.20
17	G	849	BCR	C10-C11-C12	17.78	174.72	123.20
17	H	844	BCR	C10-C11-C12	17.78	174.72	123.20
17	h	202	BCR	C10-C11-C12	17.76	174.66	123.20
17	Z	848	BCR	C10-C11-C12	17.76	174.66	123.20
17	h	207	BCR	C10-C11-C12	17.76	174.65	123.20
17	A	847	BCR	C10-C11-C12	17.74	174.61	123.20
17	Z	844	BCR	C10-C11-C12	17.73	174.57	123.20
17	Q	203	BCR	C20-C21-C22	17.72	152.13	127.28
17	G	847	BCR	C10-C11-C12	17.66	174.38	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	850	BCR	C10-C11-C12	17.60	174.21	123.20
17	I	101	BCR	C10-C11-C12	17.52	173.95	123.20
17	Q	201	BCR	C10-C11-C12	17.48	173.86	123.20
17	R	102	BCR	C10-C11-C12	17.46	173.78	123.20
17	U	1008	BCR	C10-C11-C12	17.45	173.77	123.20
17	F	203	BCR	C20-C21-C22	17.37	151.65	127.28
17	Y	849	BCR	C10-C11-C12	17.37	173.52	123.20
17	Z	847	BCR	C10-C11-C12	17.34	173.44	123.20
17	Z	845	BCR	C10-C11-C12	17.34	173.43	123.20
17	e	101	BCR	C10-C11-C12	17.29	173.29	123.20
17	J	103	BCR	C10-C11-C12	17.27	173.25	123.20
17	B	845	BCR	C20-C21-C22	17.13	151.30	127.28
17	L	208	BCR	C10-C11-C12	17.11	172.78	123.20
17	A	851	BCR	C10-C11-C12	17.08	172.70	123.20
17	U	1009	BCR	C10-C11-C12	17.07	172.66	123.20
17	Z	850	BCR	C15-C16-C17	17.03	158.36	123.52
17	V	101	BCR	C20-C21-C22	16.99	151.10	127.28
17	Z	843	BCR	C10-C11-C12	16.88	172.12	123.20
17	R	101	BCR	C10-C11-C12	16.83	171.98	123.20
17	Y	844	BCR	C10-C11-C12	16.60	171.31	123.20
17	Y	845	BCR	C15-C16-C17	16.60	157.49	123.52
17	Q	201	BCR	C21-C20-C19	16.58	171.25	123.20
17	H	847	BCR	C10-C11-C12	16.57	171.22	123.20
17	G	845	BCR	C15-C16-C17	16.53	157.35	123.52
17	i	101	BCR	C16-C15-C14	16.51	157.30	123.52
17	B	850	BCR	C21-C20-C19	16.44	170.83	123.20
17	A	847	BCR	C15-C16-C17	16.30	156.87	123.52
17	Y	852	BCR	C21-C20-C19	16.29	170.41	123.20
17	F	201	BCR	C21-C20-C19	16.26	170.32	123.20
17	M	101	BCR	C21-C20-C19	16.26	170.30	123.20
17	d	203	BCR	C21-C20-C19	16.23	170.22	123.20
17	R	101	BCR	C11-C12-C13	16.19	170.74	126.36
17	F	203	BCR	C21-C20-C19	16.18	170.08	123.20
17	A	849	BCR	C21-C20-C19	16.13	169.94	123.20
17	Y	853	BCR	C21-C20-C19	16.09	169.82	123.20
17	B	847	BCR	C10-C11-C12	16.05	169.69	123.20
17	V	101	BCR	C21-C20-C19	16.02	169.62	123.20
17	H	847	BCR	C11-C10-C9	15.90	149.57	127.28
17	H	847	BCR	C21-C20-C19	15.86	169.14	123.20
17	H	846	BCR	C21-C20-C19	15.83	169.06	123.20
17	R	102	BCR	C11-C12-C13	15.82	169.74	126.36
17	Y	848	BCR	C10-C11-C12	15.78	168.91	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	846	BCR	C21-C20-C19	15.77	168.89	123.20
17	Z	844	BCR	C21-C20-C19	15.72	168.74	123.20
17	h	202	BCR	C21-C20-C19	15.70	168.69	123.20
17	G	846	BCR	C21-C20-C19	15.62	168.47	123.20
17	Q	203	BCR	C21-C20-C19	15.62	168.46	123.20
17	H	850	BCR	C21-C20-C19	15.60	168.41	123.20
17	H	843	BCR	C21-C20-C19	15.49	168.10	123.20
17	I	102	BCR	C21-C20-C19	15.47	168.04	123.20
17	H	850	BCR	C11-C12-C13	15.47	168.77	126.36
17	U	1005	BCR	C21-C20-C19	15.46	167.99	123.20
17	H	845	BCR	C21-C20-C19	15.45	167.97	123.20
17	S	1104	BCR	C21-C20-C19	15.44	167.94	123.20
17	J	104	BCR	C21-C20-C19	15.42	167.87	123.20
17	Z	847	BCR	C21-C20-C19	15.41	167.84	123.20
17	Y	844	BCR	C11-C10-C9	15.41	148.88	127.28
17	B	845	BCR	C21-C20-C19	15.40	167.82	123.20
17	A	848	BCR	C21-C20-C19	15.34	167.65	123.20
17	G	848	BCR	C21-C20-C19	15.32	167.58	123.20
17	G	849	BCR	C11-C12-C13	15.27	168.24	126.36
17	Y	848	BCR	C11-C12-C13	15.25	168.19	126.36
17	d	203	BCR	C10-C11-C12	15.25	167.39	123.20
17	Z	843	BCR	C21-C20-C19	15.23	167.32	123.20
17	J	103	BCR	C15-C16-C17	15.20	154.63	123.52
17	G	845	BCR	C16-C15-C14	15.20	154.62	123.52
17	B	847	BCR	C21-C20-C19	15.20	167.24	123.20
17	Z	850	BCR	C16-C15-C14	15.19	154.61	123.52
17	A	850	BCR	C11-C12-C13	15.19	168.01	126.36
17	h	207	BCR	C21-C20-C19	15.19	167.21	123.20
17	i	101	BCR	C21-C20-C19	15.17	167.16	123.20
17	Q	201	BCR	C15-C16-C17	15.16	154.53	123.52
17	Z	845	BCR	C11-C10-C9	15.13	148.50	127.28
17	B	850	BCR	C11-C12-C13	15.13	167.86	126.36
17	U	1009	BCR	C11-C12-C13	15.13	167.85	126.36
17	B	842	BCR	C15-C16-C17	15.11	154.43	123.52
17	G	845	BCR	C21-C20-C19	15.09	166.93	123.20
17	R	102	BCR	C21-C20-C19	15.09	166.92	123.20
17	f	103	BCR	C11-C12-C13	15.04	167.59	126.36
17	e	101	BCR	C11-C12-C13	14.96	167.38	126.36
17	U	1008	BCR	C21-C20-C19	14.95	166.52	123.20
17	H	847	BCR	C11-C12-C13	14.89	167.19	126.36
17	I	101	BCR	C11-C12-C13	14.89	167.19	126.36
17	A	850	BCR	C21-C20-C19	14.88	166.32	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Q	201	BCR	C11-C10-C9	14.88	148.15	127.28
17	U	1008	BCR	C11-C12-C13	14.87	167.14	126.36
17	Z	850	BCR	C21-C20-C19	14.87	166.29	123.20
17	Z	844	BCR	C11-C12-C13	14.85	167.09	126.36
17	A	851	BCR	C21-C20-C19	14.83	166.16	123.20
17	S	1105	BCR	C11-C12-C13	14.82	166.99	126.36
17	G	847	BCR	C21-C20-C19	14.79	166.05	123.20
17	Z	848	BCR	C21-C20-C19	14.75	165.95	123.20
17	Y	845	BCR	C21-C20-C19	14.75	165.94	123.20
17	Z	848	BCR	C15-C16-C17	14.73	153.67	123.52
17	Y	849	BCR	C21-C20-C19	14.68	165.75	123.20
17	Y	846	BCR	C16-C15-C14	14.65	153.50	123.52
17	L	207	BCR	C21-C20-C19	14.65	165.64	123.20
17	L	208	BCR	C21-C20-C19	14.64	165.62	123.20
17	L	207	BCR	C11-C12-C13	14.61	166.42	126.36
17	A	847	BCR	C21-C20-C19	14.59	165.48	123.20
17	Y	844	BCR	C11-C12-C13	14.55	166.27	126.36
17	H	842	BCR	C11-C12-C13	14.53	166.22	126.36
17	Y	845	BCR	C11-C12-C13	14.53	166.21	126.36
17	H	844	BCR	C21-C20-C19	14.49	165.19	123.20
17	L	208	BCR	C11-C12-C13	14.47	166.05	126.36
17	A	848	BCR	C11-C12-C13	14.46	166.01	126.36
17	B	844	BCR	C11-C12-C13	14.45	165.99	126.36
17	J	103	BCR	C21-C20-C19	14.43	165.02	123.20
17	Z	848	BCR	C11-C12-C13	14.40	165.84	126.36
17	F	201	BCR	C11-C10-C9	14.38	147.44	127.28
17	B	842	BCR	C21-C20-C19	14.38	164.86	123.20
17	f	103	BCR	C21-C20-C19	14.32	164.69	123.20
17	H	842	BCR	C21-C20-C19	14.31	164.66	123.20
17	B	846	BCR	C21-C20-C19	14.30	164.65	123.20
17	Y	848	BCR	C21-C20-C19	14.30	164.63	123.20
17	H	846	BCR	C11-C12-C13	14.29	165.56	126.36
17	Y	847	BCR	C11-C12-C13	14.27	165.48	126.36
17	G	847	BCR	C11-C12-C13	14.25	165.45	126.36
17	I	102	BCR	C11-C12-C13	14.25	165.42	126.36
17	A	846	BCR	C11-C12-C13	14.24	165.41	126.36
17	U	1009	BCR	C21-C20-C19	14.24	164.46	123.20
17	G	848	BCR	C11-C12-C13	14.23	165.37	126.36
17	B	844	BCR	C21-C20-C19	14.22	164.41	123.20
17	F	201	BCR	C11-C12-C13	14.21	165.34	126.36
17	Z	850	BCR	C11-C12-C13	14.16	165.18	126.36
17	M	101	BCR	C11-C12-C13	14.12	165.09	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	847	BCR	C16-C15-C14	14.11	152.38	123.52
17	Y	849	BCR	C11-C12-C13	14.11	165.04	126.36
17	V	101	BCR	C11-C10-C9	14.09	147.03	127.28
17	A	849	BCR	C11-C12-C13	14.07	164.94	126.36
17	Y	846	BCR	C11-C12-C13	14.02	164.82	126.36
17	U	1005	BCR	C11-C12-C13	14.02	164.81	126.36
17	J	103	BCR	C16-C15-C14	14.01	152.18	123.52
17	T	102	BCR	C11-C12-C13	14.00	164.75	126.36
17	B	846	BCR	C11-C12-C13	13.98	164.69	126.36
17	Y	852	BCR	C11-C12-C13	13.97	164.66	126.36
17	Y	845	BCR	C16-C15-C14	13.92	152.01	123.52
17	V	101	BCR	C11-C12-C13	13.92	164.52	126.36
17	B	847	BCR	C11-C10-C9	13.91	146.78	127.28
17	Q	201	BCR	C11-C12-C13	13.89	164.46	126.36
17	B	847	BCR	C11-C12-C13	13.88	164.41	126.36
17	Y	846	BCR	C21-C20-C19	13.86	163.36	123.20
17	Y	847	BCR	C21-C20-C19	13.85	163.34	123.20
17	e	101	BCR	C11-C10-C9	13.82	146.65	127.28
17	J	104	BCR	C11-C12-C13	13.80	164.22	126.36
17	Z	845	BCR	C21-C20-C19	13.80	163.19	123.20
17	G	849	BCR	C21-C20-C19	13.79	163.15	123.20
17	H	846	BCR	C16-C15-C14	13.75	151.66	123.52
17	V	101	BCR	C16-C15-C14	13.72	151.58	123.52
17	A	847	BCR	C11-C12-C13	13.70	163.93	126.36
17	Z	844	BCR	C16-C15-C14	13.65	151.44	123.52
17	H	843	BCR	C11-C12-C13	13.63	163.73	126.36
17	B	845	BCR	C16-C15-C14	13.59	151.33	123.52
17	I	101	BCR	C21-C20-C19	13.58	162.54	123.20
17	i	101	BCR	C11-C12-C13	13.56	163.55	126.36
17	Z	845	BCR	C11-C12-C13	13.56	163.54	126.36
17	B	842	BCR	C11-C12-C13	13.53	163.47	126.36
17	B	846	BCR	C16-C15-C14	13.52	151.19	123.52
17	h	202	BCR	C11-C12-C13	13.52	163.42	126.36
17	G	849	BCR	C16-C15-C14	13.49	151.11	123.52
17	G	849	BCR	C11-C10-C9	13.44	146.12	127.28
17	B	843	BCR	C11-C12-C13	13.41	163.12	126.36
17	U	1009	BCR	C11-C10-C9	13.32	145.96	127.28
17	h	207	BCR	C11-C12-C13	13.31	162.87	126.36
17	B	842	BCR	C16-C15-C14	13.29	150.71	123.52
17	Y	853	BCR	C11-C12-C13	13.28	162.79	126.36
17	h	207	BCR	C16-C15-C14	13.25	150.62	123.52
17	G	848	BCR	C11-C10-C9	13.24	145.85	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	843	BCR	C16-C15-C14	13.20	150.52	123.52
17	d	203	BCR	C16-C15-C14	13.18	150.48	123.52
17	e	101	BCR	C16-C15-C14	13.16	150.44	123.52
17	G	847	BCR	C16-C15-C14	13.15	150.43	123.52
17	H	843	BCR	C16-C15-C14	13.15	150.42	123.52
17	R	101	BCR	C11-C10-C9	13.13	145.70	127.28
17	Y	849	BCR	C16-C15-C14	13.12	150.37	123.52
17	I	102	BCR	C11-C10-C9	13.12	145.67	127.28
17	F	203	BCR	C11-C12-C13	13.12	162.32	126.36
17	A	847	BCR	C16-C15-C14	13.10	150.33	123.52
17	Y	849	BCR	C11-C10-C9	13.07	145.61	127.28
17	S	1104	BCR	C11-C12-C13	13.05	162.15	126.36
17	R	101	BCR	C21-C20-C19	13.00	160.87	123.20
17	H	844	BCR	C11-C12-C13	13.00	162.00	126.36
17	Z	843	BCR	C16-C15-C14	12.98	150.07	123.52
17	Q	201	BCR	C16-C15-C14	12.97	150.05	123.52
17	Q	203	BCR	C16-C15-C14	12.96	150.04	123.52
17	U	1005	BCR	C16-C15-C14	12.96	150.04	123.52
17	A	851	BCR	C11-C12-C13	12.95	161.88	126.36
17	Z	846	BCR	C16-C15-C14	12.94	150.00	123.52
17	Y	844	BCR	C16-C15-C14	12.92	149.96	123.52
17	S	1104	BCR	C16-C15-C14	12.82	149.76	123.52
17	Q	203	BCR	C11-C12-C13	12.82	161.52	126.36
17	G	845	BCR	C11-C12-C13	12.82	161.51	126.36
17	Y	848	BCR	C16-C15-C14	12.81	149.72	123.52
17	Z	847	BCR	C11-C12-C13	12.79	161.44	126.36
17	T	102	BCR	C16-C15-C14	12.77	149.65	123.52
17	Y	844	BCR	C21-C20-C19	12.75	160.15	123.20
17	I	101	BCR	C16-C15-C14	12.73	149.56	123.52
17	G	845	BCR	C11-C10-C9	12.72	145.12	127.28
17	L	207	BCR	C11-C10-C9	12.69	145.08	127.28
17	A	846	BCR	C16-C15-C14	12.67	149.45	123.52
17	J	104	BCR	C16-C15-C14	12.64	149.39	123.52
17	I	101	BCR	C11-C10-C9	12.58	144.92	127.28
17	Y	853	BCR	C16-C15-C14	12.51	149.11	123.52
17	B	843	BCR	C21-C20-C19	12.50	159.42	123.20
17	d	203	BCR	C11-C12-C13	12.45	160.50	126.36
17	Z	843	BCR	C11-C12-C13	12.45	160.50	126.36
17	G	848	BCR	C16-C15-C14	12.45	148.99	123.52
17	I	101	BCR	C20-C19-C18	12.43	160.45	126.36
17	I	102	BCR	C16-C15-C14	12.42	148.93	123.52
17	S	1105	BCR	C16-C15-C14	12.40	148.90	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	U	1008	BCR	C16-C15-C14	12.33	148.75	123.52
17	R	102	BCR	C11-C10-C9	12.24	144.44	127.28
17	A	851	BCR	C11-C10-C9	12.22	144.42	127.28
17	G	846	BCR	C11-C12-C13	12.20	159.82	126.36
17	G	846	BCR	C16-C15-C14	12.20	148.47	123.52
17	A	848	BCR	C16-C15-C14	12.16	148.40	123.52
17	e	101	BCR	C21-C20-C19	12.14	158.38	123.20
17	h	202	BCR	C16-C15-C14	12.14	148.36	123.52
17	B	850	BCR	C16-C15-C14	12.14	148.35	123.52
17	Z	848	BCR	C11-C10-C9	12.13	144.29	127.28
17	J	103	BCR	C11-C12-C13	12.11	159.57	126.36
17	S	1105	BCR	C21-C20-C19	12.11	158.28	123.20
17	L	208	BCR	C16-C15-C14	12.09	148.26	123.52
17	T	102	BCR	C21-C20-C19	12.08	158.19	123.20
17	Z	843	BCR	C11-C10-C9	12.05	144.18	127.28
17	B	844	BCR	C16-C15-C14	12.01	148.09	123.52
17	F	203	BCR	C16-C15-C14	11.99	148.06	123.52
17	Z	845	BCR	C16-C15-C14	11.97	148.00	123.52
17	i	101	BCR	C11-C10-C9	11.95	144.04	127.28
17	H	847	BCR	C16-C15-C14	11.95	147.96	123.52
17	L	207	BCR	C16-C15-C14	11.89	147.84	123.52
17	U	1008	BCR	C11-C10-C9	11.88	143.94	127.28
17	A	850	BCR	C16-C15-C14	11.86	147.79	123.52
17	R	101	BCR	C20-C19-C18	11.84	158.84	126.36
17	B	843	BCR	C11-C10-C9	11.82	143.85	127.28
17	Y	852	BCR	C16-C15-C14	11.81	147.69	123.52
17	Y	848	BCR	C11-C10-C9	11.78	143.79	127.28
17	M	101	BCR	C11-C10-C9	11.76	143.78	127.28
17	h	207	BCR	C11-C10-C9	11.73	143.72	127.28
17	H	844	BCR	C16-C15-C14	11.70	147.45	123.52
17	A	848	BCR	C11-C10-C9	11.69	143.67	127.28
17	A	846	BCR	C21-C20-C19	11.68	157.06	123.20
17	H	845	BCR	C16-C15-C14	11.66	147.37	123.52
17	H	850	BCR	C16-C15-C14	11.62	147.30	123.52
17	U	1005	BCR	C11-C10-C9	11.62	143.57	127.28
17	G	847	BCR	C11-C10-C9	11.61	143.56	127.28
17	F	201	BCR	C16-C15-C14	11.61	147.27	123.52
17	h	202	BCR	C11-C10-C9	11.61	143.56	127.28
17	e	101	BCR	C19-C18-C17	11.47	137.06	119.01
17	U	1009	BCR	C20-C19-C18	11.42	157.68	126.36
17	A	851	BCR	C16-C15-C14	11.40	146.84	123.52
17	J	103	BCR	C11-C10-C9	11.39	143.25	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	M	101	BCR	C16-C15-C14	11.32	146.68	123.52
17	R	101	BCR	C16-C15-C14	11.27	146.57	123.52
17	B	847	BCR	C16-C15-C14	11.24	146.51	123.52
17	A	849	BCR	C16-C15-C14	11.24	146.51	123.52
17	J	103	BCR	C20-C19-C18	11.24	157.17	126.36
17	J	104	BCR	C11-C10-C9	11.19	142.97	127.28
17	G	849	BCR	C20-C19-C18	11.16	156.97	126.36
17	Y	852	BCR	C11-C10-C9	11.14	142.90	127.28
17	Y	844	BCR	C20-C19-C18	11.14	156.91	126.36
17	Q	203	BCR	C11-C10-C9	11.11	142.87	127.28
17	Y	846	BCR	C11-C10-C9	11.11	142.87	127.28
17	S	1105	BCR	C20-C19-C18	11.10	156.80	126.36
17	A	850	BCR	C11-C10-C9	11.10	142.84	127.28
17	Y	847	BCR	C16-C15-C14	11.08	146.19	123.52
17	H	844	BCR	C11-C10-C9	11.07	142.80	127.28
17	U	1009	BCR	C16-C15-C14	11.04	146.11	123.52
17	B	846	BCR	C20-C19-C18	11.02	156.59	126.36
17	Z	847	BCR	C11-C10-C9	10.97	142.66	127.28
17	Z	848	BCR	C16-C15-C14	10.93	145.88	123.52
17	f	103	BCR	C16-C15-C14	10.90	145.83	123.52
17	Y	845	BCR	C20-C19-C18	10.88	156.21	126.36
17	L	207	BCR	C20-C19-C18	10.85	156.12	126.36
17	Z	845	BCR	C20-C19-C18	10.85	156.11	126.36
17	S	1105	BCR	C11-C10-C9	10.83	142.47	127.28
17	f	103	BCR	C11-C10-C9	10.73	142.32	127.28
17	A	847	BCR	C20-C19-C18	10.72	155.77	126.36
17	H	842	BCR	C16-C15-C14	10.69	145.40	123.52
17	Y	847	BCR	C20-C19-C18	10.68	155.64	126.36
17	Y	849	BCR	C20-C19-C18	10.67	155.63	126.36
17	A	846	BCR	C20-C19-C18	10.65	155.56	126.36
17	A	851	BCR	C20-C19-C18	10.64	155.54	126.36
17	Z	850	BCR	C20-C19-C18	10.61	155.46	126.36
17	e	101	BCR	C20-C19-C18	10.60	155.41	126.36
17	A	849	BCR	C11-C10-C9	10.57	142.11	127.28
17	Y	847	BCR	C11-C10-C9	10.55	142.08	127.28
17	Y	848	BCR	C20-C19-C18	10.52	155.21	126.36
17	G	846	BCR	C11-C10-C9	10.48	141.98	127.28
17	Y	846	BCR	C20-C19-C18	10.48	155.11	126.36
17	B	842	BCR	C11-C10-C9	10.48	141.97	127.28
17	B	842	BCR	C20-C19-C18	10.47	155.07	126.36
17	Y	845	BCR	C11-C10-C9	10.44	141.91	127.28
17	T	102	BCR	C20-C19-C18	10.44	154.98	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	842	BCR	C11-C10-C9	10.40	141.87	127.28
17	A	846	BCR	C24-C23-C22	-10.39	110.86	126.23
17	B	843	BCR	C20-C19-C18	10.36	154.78	126.36
17	L	208	BCR	C20-C19-C18	10.35	154.75	126.36
17	U	1008	BCR	C20-C19-C18	10.27	154.53	126.36
17	G	848	BCR	C20-C19-C18	10.26	154.50	126.36
17	R	102	BCR	C16-C15-C14	10.25	144.49	123.52
17	R	102	BCR	C20-C19-C18	10.23	154.42	126.36
17	T	102	BCR	C11-C10-C9	10.19	141.57	127.28
17	f	103	BCR	C20-C19-C18	10.14	154.16	126.36
17	B	845	BCR	C20-C19-C18	10.06	153.94	126.36
17	A	850	BCR	C20-C19-C18	10.01	153.82	126.36
17	Z	847	BCR	C20-C19-C18	9.98	153.72	126.36
17	Z	844	BCR	C11-C10-C9	9.97	141.25	127.28
17	B	844	BCR	C20-C19-C18	9.95	153.65	126.36
17	V	101	BCR	C20-C19-C18	9.88	153.46	126.36
17	Z	850	BCR	C11-C10-C9	9.85	141.09	127.28
17	Z	846	BCR	C19-C18-C17	9.83	134.48	119.01
17	A	846	BCR	C11-C10-C9	9.81	141.03	127.28
17	A	847	BCR	C11-C10-C9	9.81	141.03	127.28
17	S	1104	BCR	C20-C19-C18	9.81	153.25	126.36
17	B	847	BCR	C20-C19-C18	9.81	153.25	126.36
17	Q	203	BCR	C20-C19-C18	9.79	153.21	126.36
17	H	842	BCR	C20-C19-C18	9.78	153.19	126.36
17	G	847	BCR	C20-C19-C18	9.77	153.14	126.36
17	Z	843	BCR	C20-C19-C18	9.76	153.14	126.36
17	Z	848	BCR	C20-C19-C18	9.73	153.06	126.36
17	H	843	BCR	C11-C10-C9	9.59	140.73	127.28
17	G	846	BCR	C20-C19-C18	9.57	152.60	126.36
17	Z	844	BCR	C20-C19-C18	9.57	152.60	126.36
17	h	202	BCR	C19-C18-C17	9.57	134.06	119.01
17	h	202	BCR	C20-C19-C18	9.55	152.56	126.36
17	H	843	BCR	C20-C19-C18	9.49	152.38	126.36
17	i	101	BCR	C20-C19-C18	9.47	152.34	126.36
17	U	1005	BCR	C20-C19-C18	9.44	152.26	126.36
17	A	848	BCR	C20-C19-C18	9.44	152.25	126.36
17	H	846	BCR	C20-C19-C18	9.42	152.19	126.36
17	H	844	BCR	C20-C19-C18	9.42	152.18	126.36
17	G	845	BCR	C20-C19-C18	9.34	151.99	126.36
14	A	837	CLA	CMD-C2D-C1D	9.30	141.10	124.73
17	A	849	BCR	C20-C19-C18	9.27	151.77	126.36
14	G	839	CLA	CMD-C2D-C1D	9.26	141.04	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	850	BCR	C20-C19-C18	9.26	151.76	126.36
17	Y	853	BCR	C11-C10-C9	9.26	140.27	127.28
17	H	845	BCR	C20-C19-C18	9.26	151.75	126.36
17	B	847	BCR	C19-C18-C17	9.25	133.56	119.01
14	G	838	CLA	CMD-C2D-C1D	9.23	140.98	124.73
17	d	203	BCR	C20-C19-C18	9.21	151.63	126.36
14	A	812	CLA	CMD-C2D-C1D	9.20	140.94	124.73
14	B	803	CLA	O2D-CGD-CBD	9.20	127.31	111.23
17	h	207	BCR	C20-C19-C18	9.19	151.56	126.36
17	Q	201	BCR	C20-C19-C18	9.16	151.49	126.36
14	G	835	CLA	CMD-C2D-C1D	9.16	140.86	124.73
17	I	102	BCR	C20-C19-C18	9.15	151.44	126.36
17	H	847	BCR	C20-C19-C18	9.14	151.42	126.36
17	F	203	BCR	C20-C19-C18	9.10	151.31	126.36
14	A	841	CLA	CMD-C2D-C1D	9.08	140.72	124.73
14	A	814	CLA	CMD-C2D-C1D	9.08	140.71	124.73
17	L	208	BCR	C11-C10-C9	9.07	140.00	127.28
14	Y	813	CLA	CMD-C2D-C1D	9.04	140.64	124.73
14	G	832	CLA	CMD-C2D-C1D	9.02	140.62	124.73
14	G	815	CLA	CMD-C2D-C1D	9.02	140.60	124.73
17	F	203	BCR	C11-C10-C9	9.01	139.91	127.28
17	B	850	BCR	C11-C10-C9	9.00	139.90	127.28
14	B	829	CLA	CMD-C2D-C1D	8.98	140.54	124.73
14	B	826	CLA	CMD-C2D-C1D	8.98	140.54	124.73
17	M	101	BCR	C20-C19-C18	8.94	150.88	126.36
14	H	823	CLA	CMD-C2D-C1D	8.94	140.47	124.73
14	B	806	CLA	CMD-C2D-C1D	8.94	140.46	124.73
14	B	803	CLA	CMD-C2D-C1D	8.92	140.43	124.73
17	B	850	BCR	C20-C19-C18	8.89	150.75	126.36
14	Z	819	CLA	CMD-C2D-C1D	8.89	140.39	124.73
14	Y	839	CLA	CMD-C2D-C1D	8.89	140.38	124.73
17	H	850	BCR	C11-C10-C9	8.88	139.74	127.28
17	J	104	BCR	C20-C19-C18	8.87	150.69	126.36
14	Y	822	CLA	CMD-C2D-C1D	8.87	140.35	124.73
14	G	822	CLA	CMD-C2D-C1D	8.84	140.30	124.73
14	G	823	CLA	CMD-C2D-C1D	8.84	140.29	124.73
17	T	102	BCR	C24-C23-C22	-8.82	113.19	126.23
14	B	835	CLA	CMD-C2D-C1D	8.81	140.25	124.73
14	h	205	CLA	CMD-C2D-C1D	8.81	140.24	124.73
14	H	804	CLA	O2D-CGD-CBD	8.81	126.63	111.23
14	T	101	CLA	CMD-C2D-C1D	8.81	140.24	124.73
17	A	848	BCR	C19-C18-C17	8.80	132.85	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	831	CLA	CMD-C2D-C1D	8.79	140.21	124.73
14	S	1101	CLA	CMD-C2D-C1D	8.78	140.20	124.73
17	H	847	BCR	C19-C18-C17	8.78	132.82	119.01
17	d	203	BCR	C11-C10-C9	8.76	139.56	127.28
14	j	102	CLA	CMD-C2D-C1D	8.75	140.14	124.73
14	G	828	CLA	CMD-C2D-C1D	8.75	140.14	124.73
17	F	201	BCR	C20-C19-C18	8.71	150.25	126.36
14	K	101	CLA	CMD-C2D-C1D	8.67	140.00	124.73
14	h	206	CLA	CMD-C2D-C1D	8.66	139.97	124.73
14	Y	807	CLA	CMD-C2D-C1D	8.63	139.93	124.73
14	A	827	CLA	CMD-C2D-C1D	8.62	139.91	124.73
14	G	814	CLA	CMD-C2D-C1D	8.62	139.90	124.73
13	Y	801	CL0	C4A-NA-C1A	8.61	110.61	106.68
14	G	813	CLA	CMD-C2D-C1D	8.61	139.90	124.73
14	A	816	CLA	CMD-C2D-C1D	8.59	139.85	124.73
14	A	815	CLA	CMD-C2D-C1D	8.59	139.85	124.73
14	Y	820	CLA	CMD-C2D-C1D	8.57	139.82	124.73
14	Y	819	CLA	CMD-C2D-C1D	8.56	139.81	124.73
14	G	809	CLA	CMD-C2D-C1D	8.56	139.80	124.73
14	Y	825	CLA	CMD-C2D-C1D	8.53	139.74	124.73
17	Y	852	BCR	C20-C19-C18	8.50	149.66	126.36
14	H	822	CLA	CMD-C2D-C1D	8.49	139.68	124.73
14	Z	826	CLA	CMD-C2D-C1D	8.49	139.67	124.73
14	G	821	CLA	CMD-C2D-C1D	8.48	139.66	124.73
14	G	853	CLA	CMD-C2D-C1D	8.47	139.64	124.73
14	H	835	CLA	CMD-C2D-C1D	8.46	139.63	124.73
14	G	826	CLA	CMD-C2D-C1D	8.46	139.63	124.73
14	L	204	CLA	CMD-C2D-C1D	8.46	139.62	124.73
14	A	826	CLA	CMD-C2D-C1D	8.45	139.61	124.73
14	g	101	CLA	CMD-C2D-C1D	8.44	139.59	124.73
14	Y	803	CLA	O2D-CGD-CBD	8.44	125.99	111.23
14	H	834	CLA	CMD-C2D-C1D	8.44	139.59	124.73
14	Y	805	CLA	CMD-C2D-C1D	8.43	139.58	124.73
14	H	801	CLA	CMD-C2D-C1D	8.43	139.56	124.73
14	A	817	CLA	CMD-C2D-C1D	8.41	139.54	124.73
14	Y	815	CLA	CMD-C2D-C1D	8.40	139.53	124.73
14	A	824	CLA	CMD-C2D-C1D	8.39	139.50	124.73
14	A	825	CLA	CMD-C2D-C1D	8.39	139.50	124.73
17	Y	853	BCR	C20-C19-C18	8.38	149.33	126.36
14	Y	804	CLA	CMD-C2D-C1D	8.36	139.46	124.73
14	H	814	CLA	CMD-C2D-C1D	8.36	139.45	124.73
14	Z	831	CLA	CMD-C2D-C1D	8.36	139.45	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	818	CLA	CMD-C2D-C1D	8.36	139.45	124.73
14	Z	834	CLA	CMD-C2D-C1D	8.35	139.43	124.73
14	G	812	CLA	CMD-C2D-C1D	8.35	139.42	124.73
14	H	817	CLA	CMD-C2D-C1D	8.33	139.40	124.73
14	G	807	CLA	CMD-C2D-C1D	8.32	139.38	124.73
14	Y	818	CLA	CMD-C2D-C1D	8.30	139.35	124.73
14	B	808	CLA	CMD-C2D-C1D	8.30	139.34	124.73
14	G	816	CLA	CMD-C2D-C1D	8.29	139.33	124.73
14	Y	828	CLA	CMD-C2D-C1D	8.29	139.32	124.73
14	Y	803	CLA	CMD-C2D-C1D	8.28	139.32	124.73
14	H	840	CLA	CMD-C2D-C1D	8.27	139.30	124.73
17	J	104	BCR	C19-C18-C17	8.27	132.02	119.01
17	B	844	BCR	C11-C10-C9	8.26	138.86	127.28
14	Z	826	CLA	C4A-NA-C1A	8.26	110.45	106.68
14	H	821	CLA	CMD-C2D-C1D	8.26	139.27	124.73
14	B	804	CLA	CMD-C2D-C1D	8.25	139.26	124.73
14	H	816	CLA	CMD-C2D-C1D	8.24	139.23	124.73
14	Y	817	CLA	CMD-C2D-C1D	8.23	139.23	124.73
14	G	817	CLA	CMD-C2D-C1D	8.22	139.21	124.73
17	H	846	BCR	C11-C10-C9	8.22	138.80	127.28
17	Z	846	BCR	C20-C19-C18	8.20	148.86	126.36
14	Z	836	CLA	CMD-C2D-C1D	8.20	139.17	124.73
13	A	801	CL0	C4A-NA-C1A	8.19	110.42	106.68
14	H	804	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	H	833	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	G	820	CLA	CMD-C2D-C1D	8.19	139.15	124.73
14	B	833	CLA	O2D-CGD-CBD	8.19	125.54	111.23
14	B	824	CLA	CMD-C2D-C1D	8.18	139.14	124.73
14	J	101	CLA	CMD-C2D-C1D	8.18	139.14	124.73
14	G	836	CLA	CMD-C2D-C1D	8.17	139.12	124.73
14	h	205	CLA	C4A-NA-C1A	8.17	110.41	106.68
14	G	837	CLA	CMD-C2D-C1D	8.16	139.10	124.73
14	B	814	CLA	CMD-C2D-C1D	8.16	139.09	124.73
14	A	823	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	B	805	CLA	CMD-C2D-C1D	8.15	139.08	124.73
14	Z	837	CLA	CMD-C2D-C1D	8.14	139.07	124.73
14	Y	824	CLA	CMD-C2D-C1D	8.14	139.06	124.73
14	G	811	CLA	CMD-C2D-C1D	8.14	139.05	124.73
14	Y	837	CLA	CMD-C2D-C1D	8.13	139.05	124.73
14	B	811	CLA	CMD-C2D-C1D	8.12	139.03	124.73
14	f	101	CLA	CMD-C2D-C1D	8.12	139.02	124.73
14	Y	819	CLA	O2D-CGD-CBD	8.12	125.42	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Q	203	BCR	C19-C18-C17	8.11	131.77	119.01
14	Y	832	CLA	CMD-C2D-C1D	8.10	138.99	124.73
14	L	205	CLA	CMD-C2D-C1D	8.09	138.98	124.73
14	A	807	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	G	831	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	Z	817	CLA	CMD-C2D-C1D	8.09	138.97	124.73
14	A	843	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	Z	808	CLA	CMD-C2D-C1D	8.08	138.95	124.73
14	A	838	CLA	CMD-C2D-C1D	8.05	138.91	124.73
14	A	808	CLA	CMD-C2D-C1D	8.04	138.89	124.73
14	B	833	CLA	CMD-C2D-C1D	8.04	138.89	124.73
14	A	835	CLA	CMD-C2D-C1D	8.03	138.88	124.73
14	Z	820	CLA	CMD-C2D-C1D	8.03	138.87	124.73
14	Z	822	CLA	CMD-C2D-C1D	8.03	138.87	124.73
14	S	1103	CLA	CMD-C2D-C1D	8.02	138.86	124.73
14	Y	829	CLA	CMD-C2D-C1D	8.02	138.84	124.73
14	H	805	CLA	CMD-C2D-C1D	8.01	138.84	124.73
14	A	836	CLA	CMD-C2D-C1D	8.01	138.84	124.73
14	Y	831	CLA	CMD-C2D-C1D	8.01	138.83	124.73
14	Z	828	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	Z	838	CLA	CMD-C2D-C1D	8.00	138.82	124.73
14	A	842	CLA	CMD-C2D-C1D	8.00	138.81	124.73
14	H	807	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	A	854	CLA	CMD-C2D-C1D	7.97	138.76	124.73
14	H	807	CLA	C4A-NA-C1A	7.96	110.31	106.68
14	Z	841	CLA	CMD-C2D-C1D	7.96	138.74	124.73
14	B	818	CLA	CMD-C2D-C1D	7.95	138.73	124.73
14	B	812	CLA	CMD-C2D-C1D	7.95	138.72	124.73
13	G	801	CL0	O2A-CGA-O1A	-7.94	103.76	123.63
14	H	811	CLA	CMD-C2D-C1D	7.94	138.71	124.73
14	Y	823	CLA	CMD-C2D-C1D	7.94	138.71	124.73
14	Y	810	CLA	CMD-C2D-C1D	7.94	138.71	124.73
14	Y	827	CLA	CMD-C2D-C1D	7.93	138.70	124.73
14	f	102	CLA	CMD-C2D-C1D	7.93	138.69	124.73
14	Z	815	CLA	CMD-C2D-C1D	7.92	138.68	124.73
14	Z	824	CLA	CMD-C2D-C1D	7.92	138.68	124.73
14	A	804	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	Z	839	CLA	CMD-C2D-C1D	7.92	138.67	124.73
14	A	811	CLA	CMD-C2D-C1D	7.91	138.65	124.73
14	B	827	CLA	CMD-C2D-C1D	7.90	138.64	124.73
14	Y	812	CLA	CMD-C2D-C1D	7.89	138.62	124.73
14	H	851	CLA	CMD-C2D-C1D	7.88	138.61	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	822	CLA	CMD-C2D-C1D	7.88	138.61	124.73
14	d	201	CLA	CMD-C2D-C1D	7.88	138.61	124.73
14	G	819	CLA	CMD-C2D-C1D	7.88	138.60	124.73
14	B	840	CLA	CMD-C2D-C1D	7.87	138.60	124.73
14	Y	811	CLA	CMD-C2D-C1D	7.87	138.58	124.73
14	Y	821	CLA	CMD-C2D-C1D	7.86	138.58	124.73
14	A	830	CLA	CMD-C2D-C1D	7.86	138.57	124.73
14	H	819	CLA	CMD-C2D-C1D	7.86	138.57	124.73
14	B	801	CLA	CMD-C2D-C1D	7.85	138.56	124.73
14	Y	806	CLA	CMD-C2D-C1D	7.85	138.56	124.73
14	A	854	CLA	O2D-CGD-CBD	7.85	124.96	111.23
14	G	833	CLA	CMD-C2D-C1D	7.85	138.55	124.73
14	A	806	CLA	CMD-C2D-C1D	7.84	138.54	124.73
14	S	1102	CLA	CMD-C2D-C1D	7.83	138.53	124.73
14	G	815	CLA	O2D-CGD-CBD	7.83	124.93	111.23
14	Z	827	CLA	CMD-C2D-C1D	7.82	138.51	124.73
14	B	821	CLA	CMD-C2D-C1D	7.82	138.50	124.73
14	G	810	CLA	CMD-C2D-C1D	7.81	138.49	124.73
14	A	828	CLA	CMD-C2D-C1D	7.81	138.48	124.73
14	g	102	CLA	CMD-C2D-C1D	7.80	138.47	124.73
14	H	809	CLA	C2C-C1C-NC	7.80	118.17	109.98
14	A	829	CLA	CMD-C2D-C1D	7.79	138.45	124.73
14	Y	816	CLA	CMD-C2D-C1D	7.79	138.44	124.73
14	A	810	CLA	CMD-C2D-C1D	7.78	138.43	124.73
14	B	831	CLA	CMD-C2D-C1D	7.78	138.43	124.73
14	B	810	CLA	CMD-C2D-C1D	7.77	138.42	124.73
14	G	842	CLA	CMD-C2D-C1D	7.77	138.41	124.73
14	B	813	CLA	CMD-C2D-C1D	7.76	138.40	124.73
17	h	207	BCR	C24-C23-C22	-7.75	114.76	126.23
14	H	803	CLA	CMD-C2D-C1D	7.75	138.38	124.73
14	Z	805	CLA	C4A-NA-C1A	7.75	110.21	106.68
14	B	807	CLA	O2D-CGD-CBD	7.74	124.76	111.23
14	Z	839	CLA	O2D-CGD-CBD	7.73	124.75	111.23
14	G	824	CLA	CMD-C2D-C1D	7.71	138.31	124.73
17	Y	853	BCR	C19-C18-C17	7.70	131.13	119.01
14	Z	805	CLA	CMD-C2D-C1D	7.70	138.29	124.73
14	Z	810	CLA	C4A-NA-C1A	7.70	110.19	106.68
14	B	825	CLA	CMD-C2D-C1D	7.70	138.28	124.73
14	Z	835	CLA	CMD-C2D-C1D	7.69	138.27	124.73
14	Z	806	CLA	CMD-C2D-C1D	7.69	138.27	124.73
14	B	807	CLA	CMD-C2D-C1D	7.69	138.27	124.73
14	A	821	CLA	CMD-C2D-C1D	7.69	138.26	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	830	CLA	CMD-C2D-C1D	7.69	138.26	124.73
17	M	101	BCR	C19-C18-C17	7.68	131.09	119.01
14	Z	810	CLA	CMD-C2D-C1D	7.68	138.26	124.73
14	K	102	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	G	814	CLA	CAA-C2A-C3A	-7.68	92.25	113.00
14	A	839	CLA	CMD-C2D-C1D	7.68	138.25	124.73
14	S	1103	CLA	O2D-CGD-CBD	7.67	124.64	111.23
17	L	207	BCR	C24-C23-C22	-7.66	114.90	126.23
17	F	201	BCR	C24-C23-C22	-7.66	114.91	126.23
14	G	805	CLA	CMD-C2D-C1D	7.66	138.21	124.73
14	A	823	CLA	C4A-NA-C1A	7.65	110.17	106.68
14	B	820	CLA	CMD-C2D-C1D	7.65	138.20	124.73
14	B	819	CLA	CMD-C2D-C1D	7.64	138.19	124.73
14	H	813	CLA	CMD-C2D-C1D	7.64	138.19	124.73
17	B	844	BCR	C19-C18-C17	7.64	131.03	119.01
14	Z	814	CLA	CMD-C2D-C1D	7.64	138.18	124.73
17	Y	852	BCR	C24-C23-C22	-7.63	114.94	126.23
14	H	838	CLA	CMD-C2D-C1D	7.62	138.14	124.73
14	h	201	CLA	CMD-C2D-C1D	7.62	138.14	124.73
13	A	801	CL0	O2A-CGA-O1A	-7.60	104.61	123.63
14	G	829	CLA	CMD-C2D-C1D	7.60	138.11	124.73
14	B	828	CLA	C2C-C1C-NC	7.60	117.96	109.98
14	B	808	CLA	C2C-C1C-NC	7.60	117.96	109.98
14	G	806	CLA	CMD-C2D-C1D	7.57	138.06	124.73
14	Y	809	CLA	CMD-C2D-C1D	7.55	138.02	124.73
14	L	201	CLA	CMD-C2D-C1D	7.54	138.00	124.73
14	H	818	CLA	CMD-C2D-C1D	7.54	138.00	124.73
17	H	844	BCR	C19-C18-C17	7.52	130.83	119.01
14	B	822	CLA	CMD-C2D-C1D	7.51	137.96	124.73
14	B	804	CLA	C4A-NA-C1A	7.51	110.10	106.68
14	f	101	CLA	C4A-NA-C1A	7.50	110.10	106.68
14	H	806	CLA	CMD-C2D-C1D	7.49	137.92	124.73
14	B	834	CLA	CMD-C2D-C1D	7.48	137.90	124.73
14	Y	835	CLA	CMD-C2D-C1D	7.47	137.88	124.73
14	B	816	CLA	CMD-C2D-C1D	7.46	137.87	124.73
14	Z	801	CLA	CMD-C2D-C1D	7.46	137.86	124.73
14	H	840	CLA	C4A-NA-C1A	7.45	110.08	106.68
14	H	810	CLA	C4A-NA-C1A	7.44	110.08	106.68
14	G	804	CLA	CMD-C2D-C1D	7.44	137.83	124.73
14	A	833	CLA	CMD-C2D-C1D	7.44	137.83	124.73
14	B	806	CLA	C2C-C1C-NC	7.44	117.79	109.98
14	Z	836	CLA	O2D-CGD-CBD	7.43	124.23	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	809	CLA	CMD-C2D-C1D	7.43	137.82	124.73
14	Z	816	CLA	CMD-C2D-C1D	7.42	137.79	124.73
14	B	828	CLA	CMD-C2D-C1D	7.41	137.78	124.73
14	H	809	CLA	C4A-NA-C1A	7.40	110.05	106.68
14	H	812	CLA	CMD-C2D-C1D	7.39	137.75	124.73
14	Z	830	CLA	CMD-C2D-C1D	7.38	137.73	124.73
14	J	102	CLA	CMD-C2D-C1D	7.38	137.72	124.73
14	U	1006	CLA	CMD-C2D-C1D	7.38	137.72	124.73
14	Z	833	CLA	CMD-C2D-C1D	7.37	137.72	124.73
14	T	103	CLA	CMD-C2D-C1D	7.37	137.70	124.73
14	H	839	CLA	CMD-C2D-C1D	7.36	137.69	124.73
14	A	832	CLA	CMD-C2D-C1D	7.35	137.68	124.73
14	Y	838	CLA	CMD-C2D-C1D	7.35	137.66	124.73
17	L	208	BCR	C19-C18-C17	7.34	130.56	119.01
14	Z	810	CLA	C1C-C2C-C3C	-7.34	99.26	106.98
14	L	202	CLA	CMD-C2D-C1D	7.34	137.65	124.73
14	A	805	CLA	O2D-CGD-CBD	7.34	124.06	111.23
14	Z	818	CLA	CMD-C2D-C1D	7.34	137.65	124.73
14	Y	836	CLA	CMD-C2D-C1D	7.33	137.64	124.73
17	d	203	BCR	C19-C18-C17	7.33	130.54	119.01
14	A	834	CLA	CMD-C2D-C1D	7.32	137.61	124.73
14	A	809	CLA	O2D-CGD-CBD	7.31	124.01	111.23
14	Z	821	CLA	CMD-C2D-C1D	7.31	137.60	124.73
14	H	825	CLA	CMD-C2D-C1D	7.31	137.60	124.73
14	X	1701	CLA	CMD-C2D-C1D	7.30	137.59	124.73
14	H	810	CLA	C2D-C1D-ND	7.29	117.34	110.13
13	A	801	CL0	CMD-C2D-C1D	7.29	137.56	124.73
14	Z	811	CLA	CMD-C2D-C1D	7.28	137.55	124.73
14	W	1701	CLA	CMD-C2D-C1D	7.27	137.54	124.73
14	B	837	CLA	CMD-C2D-C1D	7.27	137.54	124.73
14	H	837	CLA	CMD-C2D-C1D	7.27	137.54	124.73
17	B	846	BCR	C37-C22-C21	-7.27	111.04	122.82
17	S	1104	BCR	C19-C18-C17	7.27	130.44	119.01
14	Y	840	CLA	CMD-C2D-C1D	7.27	137.52	124.73
17	e	101	BCR	C36-C18-C17	-7.26	111.05	122.82
17	F	201	BCR	C19-C18-C17	7.26	130.43	119.01
14	B	830	CLA	CMD-C2D-C1D	7.25	137.50	124.73
14	H	839	CLA	C4A-NA-C1A	7.25	109.99	106.68
14	A	826	CLA	C2C-C1C-NC	7.25	117.60	109.98
17	Z	845	BCR	C19-C18-C17	7.25	130.41	119.01
14	Z	816	CLA	C4A-NA-C1A	7.24	109.98	106.68
14	Y	802	CLA	CMD-C2D-C1D	7.24	137.48	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	847	BCR	C19-C18-C17	7.24	130.39	119.01
14	B	828	CLA	C1C-C2C-C3C	-7.23	99.37	106.98
17	U	1009	BCR	C27-C26-C25	-7.22	112.94	122.70
14	H	824	CLA	CMD-C2D-C1D	7.22	137.45	124.73
17	F	203	BCR	C19-C18-C17	7.22	130.37	119.01
14	H	829	CLA	C2C-C1C-NC	7.22	117.56	109.98
14	B	808	CLA	C1C-C2C-C3C	-7.22	99.39	106.98
14	Z	825	CLA	CMD-C2D-C1D	7.21	137.43	124.73
14	Y	805	CLA	O2D-CGD-CBD	7.20	123.82	111.23
17	A	850	BCR	C19-C18-C17	7.20	130.33	119.01
14	G	840	CLA	C4A-NA-C1A	7.19	109.96	106.68
14	H	840	CLA	C1D-ND-C4D	-7.19	101.27	106.31
14	H	831	CLA	C1D-ND-C4D	-7.17	101.28	106.31
14	Y	831	CLA	O2D-CGD-CBD	7.17	123.77	111.23
14	Z	803	CLA	CMD-C2D-C1D	7.17	137.36	124.73
14	B	815	CLA	CMD-C2D-C1D	7.17	137.36	124.73
14	Y	814	CLA	CMD-C2D-C1D	7.17	137.35	124.73
14	Y	834	CLA	CMD-C2D-C1D	7.15	137.31	124.73
14	Y	830	CLA	CMD-C2D-C1D	7.14	137.31	124.73
14	G	803	CLA	CMD-C2D-C1D	7.13	137.29	124.73
14	G	825	CLA	CMD-C2D-C1D	7.13	137.29	124.73
14	Y	804	CLA	C4A-NA-C1A	7.13	109.93	106.68
14	H	831	CLA	C4A-NA-C1A	7.13	109.93	106.68
14	Y	838	CLA	C2C-C1C-NC	7.12	117.46	109.98
14	G	802	CLA	CMD-C2D-C1D	7.12	137.27	124.73
17	h	207	BCR	C19-C18-C17	7.12	130.20	119.01
14	H	829	CLA	CMD-C2D-C1D	7.11	137.26	124.73
14	G	818	CLA	CMD-C2D-C1D	7.10	137.24	124.73
14	G	840	CLA	CMD-C2D-C1D	7.10	137.23	124.73
14	H	828	CLA	CMD-C2D-C1D	7.10	137.23	124.73
17	V	101	BCR	C19-C18-C17	7.09	130.17	119.01
14	Y	816	CLA	O2D-CGD-CBD	7.09	123.62	111.23
14	A	840	CLA	CMD-C2D-C1D	7.09	137.21	124.73
14	A	827	CLA	C1D-ND-C4D	-7.08	101.35	106.31
14	d	201	CLA	O2D-CGD-CBD	7.07	123.59	111.23
14	A	812	CLA	C4A-NA-C1A	7.07	109.90	106.68
17	Z	847	BCR	C19-C18-C17	7.05	130.10	119.01
14	Z	830	CLA	C4A-NA-C1A	7.05	109.90	106.68
14	H	827	CLA	CMD-C2D-C1D	7.05	137.14	124.73
14	Y	830	CLA	O2D-CGD-CBD	7.05	123.55	111.23
17	J	104	BCR	C36-C18-C17	-7.04	111.40	122.82
17	G	846	BCR	C19-C18-C17	7.04	130.09	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	834	CLA	CMD-C2D-C1D	7.04	137.13	124.73
14	G	808	CLA	O2D-CGD-CBD	7.04	123.54	111.23
13	Y	801	CL0	CMD-C2D-C1D	7.04	137.12	124.73
14	h	205	CLA	C1D-ND-C4D	-7.03	101.38	106.31
14	Z	832	CLA	CMD-C2D-C1D	7.03	137.11	124.73
14	A	820	CLA	CMD-C2D-C1D	7.03	137.10	124.73
14	U	1002	CLA	C4A-NA-C1A	7.03	109.88	106.68
14	Z	812	CLA	CMD-C2D-C1D	7.02	137.09	124.73
17	f	103	BCR	C19-C18-C17	7.02	130.05	119.01
14	A	802	CLA	CMD-C2D-C1D	7.02	137.08	124.73
14	A	819	CLA	CMD-C2D-C1D	7.00	137.05	124.73
14	Z	811	CLA	C2D-C1D-ND	7.00	117.05	110.13
14	H	829	CLA	C1C-C2C-C3C	-7.00	99.62	106.98
14	B	833	CLA	C4A-NA-C1A	6.99	109.87	106.68
14	A	809	CLA	CMD-C2D-C1D	6.99	137.03	124.73
13	G	801	CL0	CMD-C2D-C1D	6.98	137.03	124.73
14	Z	832	CLA	C4A-NA-C1A	6.97	109.86	106.68
14	A	843	CLA	O2A-CGA-O1A	-6.97	106.20	123.63
14	H	820	CLA	CMD-C2D-C1D	6.96	136.99	124.73
17	T	102	BCR	C19-C18-C17	6.96	129.96	119.01
13	G	801	CL0	C4A-NA-C1A	6.96	109.86	106.68
17	U	1005	BCR	C19-C18-C17	6.96	129.95	119.01
14	A	816	CLA	C1D-ND-C4D	-6.96	101.43	106.31
17	H	846	BCR	C19-C18-C17	6.96	129.95	119.01
14	Z	809	CLA	C4A-NA-C1A	6.95	109.85	106.68
14	B	802	CLA	CMD-C2D-C1D	6.94	136.96	124.73
14	H	824	CLA	O2D-CGD-CBD	6.94	123.36	111.23
14	B	839	CLA	CMD-C2D-C1D	6.94	136.95	124.73
14	A	834	CLA	C4A-NA-C1A	6.94	109.84	106.68
14	H	823	CLA	C4A-NA-C1A	6.94	109.84	106.68
14	A	834	CLA	C1D-ND-C4D	-6.93	101.45	106.31
17	H	843	BCR	C19-C18-C17	6.93	129.91	119.01
14	B	836	CLA	CMD-C2D-C1D	6.92	136.92	124.73
14	G	808	CLA	CMD-C2D-C1D	6.92	136.91	124.73
14	H	802	CLA	CMD-C2D-C1D	6.92	136.91	124.73
14	B	806	CLA	O2D-CGD-CBD	6.91	123.30	111.23
14	F	202	CLA	CMD-C2D-C1D	6.90	136.88	124.73
14	Z	803	CLA	C4A-NA-C1A	6.88	109.82	106.68
14	B	823	CLA	CMD-C2D-C1D	6.87	136.83	124.73
14	Y	823	CLA	O2D-CGD-CBD	6.87	123.24	111.23
14	Y	826	CLA	CMD-C2D-C1D	6.85	136.79	124.73
13	G	801	CL0	C2C-C1C-NC	6.85	117.18	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	833	CLA	CMD-C2D-C1D	6.85	136.78	124.73
14	A	805	CLA	CMD-C2D-C1D	6.84	136.77	124.73
14	G	830	CLA	C2C-C1C-NC	6.84	117.16	109.98
14	H	830	CLA	O2D-CGD-CBD	6.84	123.18	111.23
14	U	1002	CLA	CMD-C2D-C1D	6.83	136.75	124.73
17	B	846	BCR	C11-C10-C9	6.82	136.85	127.28
14	H	838	CLA	O2D-CGD-CBD	6.81	123.14	111.23
17	U	1009	BCR	C24-C23-C22	-6.80	116.17	126.23
14	B	812	CLA	C2C-C1C-NC	6.80	117.12	109.98
14	G	842	CLA	O2D-CGD-CBD	6.80	123.11	111.23
17	R	102	BCR	C23-C24-C25	-6.79	108.86	127.00
14	H	804	CLA	C1D-ND-C4D	-6.79	101.55	106.31
17	d	203	BCR	C12-C13-C14	6.79	129.69	119.01
14	G	804	CLA	C4A-NA-C1A	6.79	109.78	106.68
14	A	813	CLA	CMD-C2D-C1D	6.79	136.68	124.73
14	H	815	CLA	CMD-C2D-C1D	6.78	136.66	124.73
14	H	817	CLA	O2A-CGA-O1A	-6.78	106.68	123.63
14	F	202	CLA	C4A-NA-C1A	6.78	109.77	106.68
14	Z	818	CLA	O2A-CGA-O1A	-6.77	106.69	123.63
14	B	803	CLA	C2D-C1D-ND	6.77	116.83	110.13
14	U	1004	CLA	CMD-C2D-C1D	6.77	136.65	124.73
14	Z	840	CLA	CMD-C2D-C1D	6.76	136.64	124.73
17	V	101	BCR	C24-C23-C22	-6.76	116.23	126.23
17	Q	203	BCR	C12-C13-C14	6.75	129.63	119.01
14	Y	833	CLA	O2D-CGD-CBD	6.75	123.03	111.23
14	Z	810	CLA	C2C-C1C-NC	6.75	117.07	109.98
14	B	817	CLA	CMD-C2D-C1D	6.75	136.61	124.73
17	U	1009	BCR	C19-C18-C17	6.75	129.62	119.01
17	Z	846	BCR	C36-C18-C17	-6.74	111.89	122.82
14	Y	820	CLA	O2D-CGD-CBD	6.74	123.01	111.23
14	A	817	CLA	C4A-NA-C1A	6.74	109.75	106.68
14	G	825	CLA	C2C-C1C-NC	6.74	117.06	109.98
14	B	814	CLA	O2D-CGD-CBD	6.73	123.00	111.23
17	J	103	BCR	C36-C18-C17	-6.72	111.92	122.82
17	J	104	BCR	C24-C23-C22	-6.72	116.30	126.23
17	B	845	BCR	C37-C22-C21	-6.71	111.94	122.82
14	Z	805	CLA	O2D-CGD-CBD	6.71	122.95	111.23
17	L	208	BCR	C27-C26-C25	-6.70	113.65	122.70
14	h	205	CLA	C2C-C1C-NC	6.70	117.01	109.98
14	G	804	CLA	O2D-CGD-CBD	6.69	122.93	111.23
14	H	808	CLA	O2D-CGD-CBD	6.69	122.93	111.23
14	J	102	CLA	O2D-CGD-CBD	6.69	122.93	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	G	801	CL0	C1C-C2C-C3C	-6.69	99.94	106.98
14	B	840	CLA	C4A-NA-C1A	6.69	109.73	106.68
17	U	1009	BCR	C37-C22-C21	-6.69	111.98	122.82
14	Z	809	CLA	O2D-CGD-CBD	6.69	122.92	111.23
14	G	826	CLA	C2C-C1C-NC	6.68	117.00	109.98
14	G	841	CLA	CMD-C2D-C1D	6.68	136.50	124.73
14	G	833	CLA	O2D-CGD-CBD	6.68	122.91	111.23
14	H	840	CLA	C2D-C1D-ND	6.67	116.73	110.13
14	Y	808	CLA	CMD-C2D-C1D	6.67	136.47	124.73
14	H	851	CLA	O2D-CGD-CBD	6.67	122.88	111.23
13	Y	801	CL0	C2C-C1C-NC	6.66	116.98	109.98
14	B	801	CLA	C1C-C2C-C3C	-6.66	99.98	106.98
14	Y	824	CLA	O2D-CGD-CBD	6.65	122.86	111.23
17	B	850	BCR	C19-C18-C17	6.64	129.46	119.01
14	h	206	CLA	C1D-ND-C4D	-6.63	101.66	106.31
17	Y	847	BCR	C19-C18-C17	6.63	129.44	119.01
14	A	802	CLA	C4A-NA-C1A	6.63	109.70	106.68
14	H	807	CLA	C1D-ND-C4D	-6.63	101.66	106.31
14	A	838	CLA	C2C-C1C-NC	6.62	116.94	109.98
14	H	806	CLA	C3B-C2B-C1B	-6.62	99.36	107.17
14	Q	202	CLA	CMD-C2D-C1D	6.62	136.39	124.73
14	Z	813	CLA	CMD-C2D-C1D	6.62	136.38	124.73
14	B	837	CLA	C2D-C1D-ND	6.61	116.67	110.13
14	F	202	CLA	C2D-C1D-ND	6.61	116.67	110.13
14	L	206	CLA	C1D-ND-C4D	-6.60	101.68	106.31
14	Z	831	CLA	C4A-NA-C1A	6.60	109.69	106.68
14	A	840	CLA	C4A-NA-C1A	6.58	109.68	106.68
14	B	832	CLA	CMD-C2D-C1D	6.57	136.30	124.73
14	Y	804	CLA	C1C-C2C-C3C	-6.57	100.07	106.98
14	H	814	CLA	O2D-CGD-CBD	6.57	122.72	111.23
14	Z	827	CLA	C4A-NA-C1A	6.57	109.68	106.68
17	V	101	BCR	C37-C22-C21	-6.57	112.17	122.82
17	U	1005	BCR	C24-C23-C22	-6.57	116.52	126.23
14	G	841	CLA	C2C-C1C-NC	6.56	116.88	109.98
14	Z	827	CLA	C2C-C1C-NC	6.55	116.87	109.98
17	U	1008	BCR	C19-C18-C17	6.55	129.31	119.01
17	A	849	BCR	C19-C18-C17	6.55	129.31	119.01
14	Z	809	CLA	CMD-C2D-C1D	6.54	136.25	124.73
14	Z	804	CLA	CMD-C2D-C1D	6.54	136.24	124.73
14	H	802	CLA	O2A-CGA-O1A	-6.54	107.27	123.63
17	B	845	BCR	C23-C22-C21	6.54	129.29	119.01
14	H	833	CLA	C1C-C2C-C3C	-6.54	100.11	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Q	203	BCR	C24-C23-C22	-6.53	116.57	126.23
14	B	803	CLA	C1D-ND-C4D	-6.53	101.73	106.31
14	G	822	CLA	O2D-CGD-CBD	6.53	122.64	111.23
14	H	828	CLA	C4A-NA-C1A	6.53	109.66	106.68
14	Z	829	CLA	CMD-C2D-C1D	6.52	136.21	124.73
14	h	204	CLA	CMD-C2D-C1D	6.52	136.20	124.73
14	B	838	CLA	CMD-C2D-C1D	6.51	136.20	124.73
14	B	839	CLA	C1D-ND-C4D	-6.51	101.74	106.31
14	H	810	CLA	C3D-C2D-C1D	-6.51	96.94	105.83
14	H	830	CLA	C4A-NA-C1A	6.51	109.65	106.68
14	H	851	CLA	C4A-NA-C1A	6.50	109.64	106.68
14	A	841	CLA	C1D-ND-C4D	-6.49	101.76	106.31
14	H	813	CLA	O2D-CGD-CBD	6.49	122.58	111.23
14	A	806	CLA	C4A-NA-C1A	6.49	109.64	106.68
14	A	822	CLA	C1D-ND-C4D	-6.48	101.76	106.31
14	H	826	CLA	CMD-C2D-C1D	6.48	136.14	124.73
14	H	833	CLA	C2C-C1C-NC	6.48	116.79	109.98
14	A	808	CLA	O2D-CGD-CBD	6.48	122.56	111.23
14	B	835	CLA	C1C-C2C-C3C	-6.48	100.17	106.98
14	Z	837	CLA	C1D-ND-C4D	-6.48	101.77	106.31
17	I	102	BCR	C19-C18-C17	6.47	129.19	119.01
14	H	808	CLA	CMD-C2D-C1D	6.47	136.12	124.73
14	H	825	CLA	O2A-CGA-O1A	-6.47	107.45	123.63
14	h	205	CLA	C1C-C2C-C3C	-6.47	100.18	106.98
14	Y	841	CLA	CMD-C2D-C1D	6.46	136.11	124.73
14	A	829	CLA	C4A-NA-C1A	6.46	109.63	106.68
14	H	831	CLA	C1C-C2C-C3C	-6.46	100.19	106.98
17	e	101	BCR	C36-C18-C19	-6.46	108.22	118.09
14	B	813	CLA	C4A-NA-C1A	6.46	109.62	106.68
14	U	1004	CLA	O2D-CGD-CBD	6.45	122.51	111.23
14	L	206	CLA	C3B-C2B-C1B	-6.45	99.56	107.17
14	h	206	CLA	C4A-NA-C1A	6.45	109.62	106.68
14	B	803	CLA	C3D-C2D-C1D	-6.45	97.03	105.83
14	H	820	CLA	C2D-C1D-ND	6.45	116.50	110.13
14	Z	811	CLA	C3D-C2D-C1D	-6.44	97.04	105.83
14	L	206	CLA	CMD-C2D-C1D	6.44	136.07	124.73
17	L	207	BCR	C19-C18-C17	6.44	129.14	119.01
14	H	831	CLA	C2D-C1D-ND	6.43	116.49	110.13
14	Y	808	CLA	O2D-CGD-CBD	6.43	122.47	111.23
14	Z	838	CLA	C1C-C2C-C3C	-6.43	100.22	106.98
14	B	835	CLA	C2C-C1C-NC	6.43	116.73	109.98
14	A	808	CLA	C2C-C1C-NC	6.42	116.72	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	839	CLA	C2C-C1C-NC	6.42	116.72	109.98
14	B	837	CLA	C4A-NA-C1A	6.42	109.61	106.68
17	G	848	BCR	C8-C7-C6	-6.41	109.89	127.00
14	H	807	CLA	C2D-C1D-ND	6.40	116.46	110.13
14	j	102	CLA	C2C-C1C-NC	6.40	116.70	109.98
14	W	1701	CLA	O2D-CGD-CBD	6.40	122.41	111.23
14	Z	816	CLA	C1D-ND-C4D	-6.39	101.83	106.31
14	A	807	CLA	C3B-C2B-C1B	-6.38	99.65	107.17
17	Y	848	BCR	C24-C23-C22	-6.38	116.79	126.23
14	B	836	CLA	C1D-ND-C4D	-6.37	101.84	106.31
14	B	838	CLA	O2D-CGD-CBD	6.37	122.37	111.23
17	B	845	BCR	C19-C18-C17	6.37	129.03	119.01
14	U	1003	CLA	CMD-C2D-C1D	6.37	135.94	124.73
14	G	835	CLA	O2D-CGD-CBD	6.36	122.36	111.23
14	H	827	CLA	C4A-NA-C1A	6.36	109.58	106.68
14	Z	823	CLA	O2D-CGD-CBD	6.36	122.35	111.23
14	Z	818	CLA	C2C-C1C-NC	6.36	116.66	109.98
14	U	1007	CLA	C2D-C1D-ND	6.36	116.42	110.13
17	i	101	BCR	C24-C23-C22	-6.36	116.83	126.23
14	B	815	CLA	C2C-C1C-NC	6.36	116.66	109.98
14	Z	802	CLA	C3B-C2B-C1B	-6.35	99.68	107.17
14	Y	838	CLA	C1C-C2C-C3C	-6.35	100.31	106.98
14	Z	822	CLA	O2D-CGD-CBD	6.34	122.32	111.23
14	B	824	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	H	815	CLA	C4A-NA-C1A	6.34	109.57	106.68
14	G	822	CLA	C1D-ND-C4D	-6.34	101.86	106.31
17	H	847	BCR	C36-C18-C17	-6.34	112.54	122.82
14	B	801	CLA	C2C-C1C-NC	6.33	116.63	109.98
14	H	829	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	U	1007	CLA	C4A-NA-C1A	6.33	109.57	106.68
14	H	836	CLA	C2D-C1D-ND	6.32	116.38	110.13
14	A	823	CLA	C2C-C1C-NC	6.32	116.62	109.98
14	H	838	CLA	O2A-CGA-O1A	-6.32	107.08	123.33
14	H	824	CLA	C2C-C1C-NC	6.32	116.62	109.98
14	G	827	CLA	CMD-C2D-C1D	6.31	135.85	124.73
14	G	818	CLA	O2D-CGD-CBD	6.31	122.26	111.23
17	B	845	BCR	C23-C24-C25	-6.31	110.15	127.00
14	A	816	CLA	C2D-C1D-ND	6.30	116.36	110.13
14	A	803	CLA	CMD-C2D-C1D	6.30	135.81	124.73
14	Z	802	CLA	CMD-C2D-C1D	6.29	135.80	124.73
14	Y	836	CLA	C2C-C1C-NC	6.29	116.58	109.98
14	A	820	CLA	O2D-CGD-CBD	6.28	122.21	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	O2A-CGA-O1A	-6.28	107.92	123.63
17	A	847	BCR	C19-C18-C17	6.28	128.88	119.01
14	B	806	CLA	C1C-C2C-C3C	-6.28	100.38	106.98
17	Q	201	BCR	C34-C9-C8	6.28	127.67	118.09
17	B	846	BCR	C19-C18-C17	6.27	128.87	119.01
14	H	822	CLA	C1D-ND-C4D	-6.27	101.91	106.31
14	G	824	CLA	C1D-ND-C4D	-6.26	101.92	106.31
14	G	808	CLA	C1D-ND-C4D	-6.25	101.92	106.31
14	G	809	CLA	C3B-C2B-C1B	-6.25	99.80	107.17
14	Y	826	CLA	C1C-C2C-C3C	-6.25	100.41	106.98
14	H	822	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	Z	840	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	Z	834	CLA	O2D-CGD-CBD	6.25	122.15	111.23
14	H	802	CLA	C4A-NA-C1A	6.25	109.53	106.68
14	A	838	CLA	O2D-CGD-CBD	6.25	122.15	111.23
14	d	202	CLA	CMD-C2D-C1D	6.25	135.73	124.73
17	H	844	BCR	C8-C7-C6	-6.25	110.31	127.00
14	A	812	CLA	C1C-C2C-C3C	-6.24	100.41	106.98
14	A	808	CLA	C4A-NA-C1A	6.24	109.53	106.68
17	I	102	BCR	C24-C23-C22	-6.23	117.01	126.23
14	H	804	CLA	C2D-C1D-ND	6.23	116.30	110.13
14	G	804	CLA	C1C-C2C-C3C	-6.23	100.42	106.98
14	A	818	CLA	C4A-NA-C1A	6.23	109.52	106.68
17	F	203	BCR	C12-C13-C14	6.23	128.81	119.01
14	G	811	CLA	C1C-C2C-C3C	-6.23	100.43	106.98
17	G	847	BCR	C33-C5-C6	-6.23	117.69	124.48
14	G	819	CLA	O2D-CGD-CBD	6.23	122.11	111.23
14	Z	830	CLA	C1C-C2C-C3C	-6.23	100.43	106.98
14	B	807	CLA	C4A-NA-C1A	6.22	109.52	106.68
14	Z	801	CLA	C1D-ND-C4D	-6.22	101.95	106.31
14	Z	805	CLA	C3B-C2B-C1B	-6.22	99.84	107.17
13	G	801	CL0	O2A-CGA-CBA	6.21	130.78	111.83
14	G	842	CLA	C4A-NA-C1A	6.21	109.51	106.68
14	H	825	CLA	O2D-CGD-CBD	6.20	122.07	111.23
14	A	804	CLA	O2D-CGD-CBD	6.19	122.06	111.23
14	H	840	CLA	C3D-C2D-C1D	-6.19	97.38	105.83
14	G	818	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	A	817	CLA	C2C-C1C-NC	6.19	116.48	109.98
14	B	816	CLA	O2A-CGA-O1A	-6.19	108.14	123.63
17	A	851	BCR	C37-C22-C23	6.19	127.54	118.09
14	H	804	CLA	C4A-NA-C1A	6.19	109.50	106.68
14	A	840	CLA	C1D-ND-C4D	-6.19	101.97	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	C1D-ND-C4D	-6.19	101.97	106.31
14	B	837	CLA	C3D-C2D-C1D	-6.18	97.39	105.83
14	Y	841	CLA	O2A-CGA-O1A	-6.18	108.17	123.63
17	Z	843	BCR	C24-C23-C22	-6.18	117.09	126.23
13	Y	801	CL0	C1C-C2C-C3C	-6.18	100.48	106.98
14	A	812	CLA	C2C-C1C-NC	6.18	116.47	109.98
14	G	834	CLA	C3B-C2B-C1B	-6.17	99.89	107.17
14	Y	815	CLA	O2D-CGD-CBD	6.17	122.02	111.23
14	B	831	CLA	C2C-C1C-NC	6.17	116.46	109.98
14	A	813	CLA	C2C-C1C-NC	6.17	116.46	109.98
14	Z	841	CLA	C4A-NA-C1A	6.16	109.49	106.68
14	A	835	CLA	O2D-CGD-CBD	6.15	121.99	111.23
14	Z	824	CLA	C2C-C1C-NC	6.15	116.44	109.98
14	U	1006	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	Y	806	CLA	C4A-NA-C1A	6.15	109.48	106.68
14	A	834	CLA	C2D-C1D-ND	6.15	116.21	110.13
14	H	851	CLA	C3B-C2B-C1B	-6.14	99.93	107.17
14	B	831	CLA	C4A-NA-C1A	6.14	109.48	106.68
17	B	846	BCR	C23-C22-C21	6.14	128.67	119.01
14	A	823	CLA	C1C-C2C-C3C	-6.14	100.52	106.98
14	G	833	CLA	C3B-C2B-C1B	-6.14	99.94	107.17
14	H	809	CLA	C1C-C2C-C3C	-6.13	100.53	106.98
14	H	839	CLA	C2D-C1D-ND	6.13	116.19	110.13
14	B	820	CLA	C2C-C1C-NC	6.13	116.42	109.98
14	S	1101	CLA	C1D-ND-C4D	-6.13	102.01	106.31
14	B	836	CLA	C2D-C1D-ND	6.13	116.19	110.13
14	U	1002	CLA	C2C-C1C-NC	6.12	116.42	109.98
14	B	840	CLA	C1D-ND-C4D	-6.12	102.02	106.31
13	A	801	CL0	C1C-C2C-C3C	-6.12	100.54	106.98
14	B	809	CLA	C4A-NA-C1A	6.12	109.47	106.68
14	A	808	CLA	C1C-C2C-C3C	-6.12	100.54	106.98
14	H	830	CLA	O2A-CGA-O1A	-6.12	107.60	123.33
14	Y	822	CLA	O2A-CGA-O1A	-6.12	108.33	123.63
14	Z	830	CLA	C2C-C1C-NC	6.12	116.41	109.98
14	Y	818	CLA	C4A-NA-C1A	6.11	109.47	106.68
14	G	821	CLA	C1D-ND-C4D	-6.11	102.03	106.31
14	Z	806	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	B	804	CLA	C1D-ND-C4D	-6.10	102.03	106.31
14	G	805	CLA	C2D-C1D-ND	6.10	116.17	110.13
14	Z	805	CLA	C1C-C2C-C3C	-6.10	100.56	106.98
14	Y	826	CLA	C2C-C1C-NC	6.10	116.39	109.98
14	Z	833	CLA	O2D-CGD-CBD	6.10	121.89	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	808	CLA	C2D-C1D-ND	6.10	116.16	110.13
14	G	837	CLA	C2C-C1C-NC	6.10	116.38	109.98
14	G	833	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	A	821	CLA	C2C-C1C-NC	6.09	116.38	109.98
14	Y	831	CLA	C3D-C2D-C1D	-6.09	97.52	105.83
14	H	802	CLA	O2D-CGD-CBD	6.09	121.87	111.23
14	Y	841	CLA	C2C-C1C-NC	6.08	116.37	109.98
17	B	850	BCR	C23-C24-C25	-6.08	110.75	127.00
14	U	1004	CLA	O2A-CGA-O1A	-6.08	108.42	123.63
14	A	811	CLA	C2C-C1C-NC	6.08	116.37	109.98
14	B	809	CLA	C2D-C1D-ND	6.08	116.14	110.13
14	B	836	CLA	C4A-NA-C1A	6.08	109.45	106.68
17	Y	852	BCR	C19-C18-C17	6.08	128.57	119.01
14	H	825	CLA	C2D-C1D-ND	6.07	116.14	110.13
17	L	208	BCR	C34-C9-C10	-6.07	112.98	122.82
14	Y	828	CLA	C3B-C2B-C1B	-6.07	100.02	107.17
17	Y	848	BCR	C19-C18-C17	6.07	128.55	119.01
17	U	1009	BCR	C38-C26-C25	6.07	131.10	124.48
14	Z	805	CLA	C2C-C1C-NC	6.07	116.35	109.98
14	B	809	CLA	C3D-C2D-C1D	-6.06	97.56	105.83
14	Z	826	CLA	O2A-CGA-O1A	-6.06	108.46	123.63
14	Z	801	CLA	O2A-CGA-O1A	-6.06	108.46	123.63
17	J	103	BCR	C15-C14-C13	-6.06	118.78	127.28
14	A	838	CLA	O2A-CGA-O1A	-6.06	108.47	123.63
14	G	822	CLA	C4A-NA-C1A	6.06	109.44	106.68
14	G	805	CLA	C1D-ND-C4D	-6.06	102.06	106.31
14	H	817	CLA	C1D-ND-C4D	-6.06	102.06	106.31
17	H	845	BCR	C19-C18-C17	6.05	128.53	119.01
17	J	103	BCR	C19-C18-C17	6.05	128.53	119.01
14	Z	830	CLA	O2A-CGA-O1A	-6.05	108.49	123.63
14	B	829	CLA	C1D-ND-C4D	-6.05	102.07	106.31
14	Y	822	CLA	C1D-ND-C4D	-6.05	102.07	106.31
14	H	815	CLA	C2D-C1D-ND	6.05	116.11	110.13
14	Z	802	CLA	C2D-C1D-ND	6.05	116.11	110.13
14	H	810	CLA	CMD-C2D-C1D	6.05	135.37	124.73
17	Z	847	BCR	C24-C23-C22	-6.05	117.29	126.23
14	Y	808	CLA	C2D-C1D-ND	6.04	116.11	110.13
14	G	811	CLA	C2C-C1C-NC	6.04	116.33	109.98
14	Y	835	CLA	C2D-C1D-ND	6.04	116.10	110.13
14	G	802	CLA	O2A-CGA-O1A	-6.04	108.53	123.63
14	H	810	CLA	O2D-CGD-CBD	6.04	121.78	111.23
14	Y	825	CLA	C4A-NA-C1A	6.03	109.43	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	847	BCR	C7-C8-C9	-6.03	117.31	126.23
14	F	202	CLA	C3D-C2D-C1D	-6.03	97.60	105.83
17	Z	843	BCR	C19-C18-C17	6.03	128.50	119.01
14	H	834	CLA	C1C-C2C-C3C	-6.03	100.64	106.98
13	A	801	CL0	C2C-C1C-NC	6.03	116.31	109.98
14	U	1004	CLA	C3B-C2B-C1B	-6.02	100.07	107.17
14	Z	809	CLA	C1C-C2C-C3C	-6.02	100.64	106.98
14	B	809	CLA	CMD-C2D-C1D	6.02	135.34	124.73
14	Y	837	CLA	O2D-CGD-CBD	6.02	121.76	111.23
14	Z	837	CLA	C2D-C1D-ND	6.02	116.08	110.13
14	H	831	CLA	C2C-C1C-NC	6.02	116.30	109.98
14	A	804	CLA	C3B-C2B-C1B	-6.02	100.08	107.17
14	G	832	CLA	C4A-NA-C1A	6.01	109.42	106.68
14	H	820	CLA	C2C-C1C-NC	6.01	116.30	109.98
14	Y	805	CLA	C1D-ND-C4D	-6.01	102.09	106.31
14	Z	816	CLA	C2D-C1D-ND	6.01	116.07	110.13
14	G	810	CLA	C2C-C1C-NC	6.00	116.29	109.98
14	G	813	CLA	O2D-CGD-CBD	6.00	121.71	111.23
14	A	821	CLA	C1C-C2C-C3C	-6.00	100.67	106.98
17	M	101	BCR	C36-C18-C17	-5.99	113.11	122.82
14	A	818	CLA	C1D-ND-C4D	-5.99	102.11	106.31
14	Z	813	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	B	822	CLA	C4A-NA-C1A	5.99	109.41	106.68
14	A	833	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	B	823	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	Z	825	CLA	C2C-C1C-NC	5.99	116.27	109.98
14	Y	840	CLA	C1D-ND-C4D	-5.99	102.11	106.31
17	H	843	BCR	C34-C9-C8	5.98	127.22	118.09
14	B	831	CLA	C1D-ND-C4D	-5.98	102.12	106.31
14	f	101	CLA	C1D-ND-C4D	-5.97	102.12	106.31
14	H	824	CLA	C1C-C2C-C3C	-5.97	100.70	106.98
17	H	850	BCR	C24-C23-C22	-5.97	117.40	126.23
14	G	852	CLA	C4A-NA-C1A	5.97	109.40	106.68
14	A	818	CLA	O2D-CGD-CBD	5.97	121.66	111.23
14	G	816	CLA	C2C-C1C-NC	5.97	116.25	109.98
13	G	801	CL0	C3B-C2B-C1B	-5.97	100.14	107.17
14	G	822	CLA	C2C-C1C-NC	5.97	116.25	109.98
14	A	833	CLA	C1C-C2C-C3C	-5.97	100.71	106.98
14	Y	832	CLA	C2C-C1C-NC	5.96	116.25	109.98
14	A	843	CLA	C4A-NA-C1A	5.96	109.40	106.68
14	B	803	CLA	C2C-C1C-NC	5.96	116.24	109.98
14	A	843	CLA	C1C-C2C-C3C	-5.96	100.71	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	821	CLA	O2A-CGA-O1A	-5.96	108.72	123.63
14	B	813	CLA	C1D-ND-C4D	-5.96	102.13	106.31
14	h	206	CLA	C2D-C1D-ND	5.96	116.02	110.13
14	G	837	CLA	O2D-CGD-CBD	5.96	121.64	111.23
14	B	812	CLA	C4A-NA-C1A	5.96	109.40	106.68
14	G	819	CLA	C2C-C1C-NC	5.96	116.24	109.98
14	H	805	CLA	C2C-C1C-NC	5.95	116.24	109.98
14	W	1701	CLA	C4A-NA-C1A	5.95	109.39	106.68
14	B	840	CLA	O2D-CGD-CBD	5.95	121.64	111.23
14	A	808	CLA	C1D-ND-C4D	-5.95	102.14	106.31
14	A	854	CLA	C4A-NA-C1A	5.95	109.39	106.68
14	A	843	CLA	C1D-ND-C4D	-5.95	102.14	106.31
14	H	834	CLA	C2C-C1C-NC	5.95	116.23	109.98
14	B	828	CLA	C3B-C2B-C1B	-5.95	100.16	107.17
14	H	827	CLA	C3B-C2B-C1B	-5.95	100.16	107.17
14	d	202	CLA	C1C-C2C-C3C	-5.94	100.73	106.98
14	Z	832	CLA	C2C-C1C-NC	5.94	116.22	109.98
14	B	806	CLA	C4A-NA-C1A	5.94	109.39	106.68
14	f	101	CLA	O2D-CGD-CBD	5.94	121.62	111.23
14	G	836	CLA	C1C-C2C-C3C	-5.94	100.73	106.98
14	Y	804	CLA	C1D-ND-C4D	-5.94	102.14	106.31
14	B	819	CLA	O2D-CGD-CBD	5.94	121.61	111.23
17	G	845	BCR	C19-C18-C17	5.93	128.34	119.01
14	H	832	CLA	C4A-NA-C1A	5.93	109.39	106.68
17	L	208	BCR	C37-C22-C21	-5.93	113.21	122.82
14	G	838	CLA	C2C-C1C-NC	5.93	116.21	109.98
17	U	1009	BCR	C23-C22-C21	5.93	128.34	119.01
14	G	835	CLA	C2C-C1C-NC	5.93	116.21	109.98
14	S	1102	CLA	C2C-C1C-NC	5.93	116.21	109.98
14	Z	808	CLA	C1C-C2C-C3C	-5.93	100.75	106.98
14	G	837	CLA	C4A-NA-C1A	5.93	109.38	106.68
14	H	820	CLA	C3D-C2D-C1D	-5.93	97.74	105.83
14	Y	807	CLA	C1D-ND-C4D	-5.93	102.15	106.31
14	H	831	CLA	C3D-C2D-C1D	-5.92	97.75	105.83
14	A	802	CLA	O2A-CGA-O1A	-5.92	108.81	123.63
14	B	805	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	A	831	CLA	CMD-C2D-C1D	5.92	135.16	124.73
14	Q	202	CLA	C2C-C1C-NC	5.92	116.20	109.98
14	G	806	CLA	C1D-ND-C4D	-5.92	102.16	106.31
17	H	846	BCR	C24-C23-C22	-5.92	117.48	126.23
14	A	809	CLA	O2A-CGA-O1A	-5.92	108.83	123.63
14	Y	837	CLA	C2C-C1C-NC	5.91	116.19	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	835	CLA	C1C-C2C-C3C	-5.91	100.77	106.98
14	Y	841	CLA	C1D-ND-C4D	-5.90	102.17	106.31
14	Z	831	CLA	O2D-CGD-CBD	5.90	121.55	111.23
14	Z	810	CLA	C3D-C2D-C1D	-5.90	97.77	105.83
17	I	101	BCR	C24-C23-C22	-5.90	117.50	126.23
14	Y	835	CLA	C3D-C2D-C1D	-5.90	97.78	105.83
14	U	1007	CLA	C1C-C2C-C3C	-5.90	100.78	106.98
14	B	832	CLA	C2D-C1D-ND	5.90	115.96	110.13
14	A	816	CLA	O2D-CGD-CBD	5.90	121.54	111.23
14	Z	839	CLA	C1C-C2C-C3C	-5.90	100.78	106.98
14	f	101	CLA	C2D-C1D-ND	5.90	115.96	110.13
14	Y	823	CLA	C1D-ND-C4D	-5.89	102.18	106.31
14	A	822	CLA	C4A-NA-C1A	5.89	109.37	106.68
17	V	101	BCR	C23-C22-C21	5.89	128.28	119.01
14	L	206	CLA	C2D-C1D-ND	5.89	115.96	110.13
13	G	801	CL0	O2D-CGD-CBD	5.89	121.53	111.23
14	A	819	CLA	O2D-CGD-CBD	5.89	121.52	111.23
14	Y	831	CLA	C2D-C1D-ND	5.88	115.95	110.13
14	A	838	CLA	C1C-C2C-C3C	-5.88	100.79	106.98
14	H	834	CLA	C4A-NA-C1A	5.88	109.36	106.68
14	A	839	CLA	C1D-ND-C4D	-5.88	102.19	106.31
14	Z	801	CLA	C2D-C1D-ND	5.88	115.95	110.13
14	G	821	CLA	C3B-C2B-C1B	-5.88	100.24	107.17
14	B	832	CLA	C1D-ND-C4D	-5.88	102.19	106.31
14	H	805	CLA	C1C-C2C-C3C	-5.88	100.80	106.98
14	H	837	CLA	O2D-CGD-CBD	5.87	121.50	111.23
17	Y	853	BCR	C36-C18-C17	-5.87	113.30	122.82
14	Y	835	CLA	C1D-ND-C4D	-5.87	102.19	106.31
14	B	802	CLA	C3B-C2B-C1B	-5.87	100.25	107.17
14	B	831	CLA	C1C-C2C-C3C	-5.87	100.80	106.98
17	e	101	BCR	C37-C22-C21	-5.87	113.31	122.82
14	G	842	CLA	C1D-ND-C4D	-5.87	102.19	106.31
14	B	819	CLA	C2C-C1C-NC	5.87	116.15	109.98
14	A	833	CLA	O2A-CGA-O1A	-5.87	108.95	123.63
14	Y	805	CLA	C2C-C1C-NC	5.87	116.14	109.98
14	Z	817	CLA	C1D-ND-C4D	-5.87	102.20	106.31
14	Y	817	CLA	C1D-ND-C4D	-5.86	102.20	106.31
14	Y	804	CLA	O2D-CGD-CBD	5.86	121.48	111.23
14	Z	827	CLA	C1C-C2C-C3C	-5.86	100.81	106.98
14	H	839	CLA	C1C-C2C-C3C	-5.86	100.82	106.98
14	B	839	CLA	C3B-C2B-C1B	-5.86	100.26	107.17
17	Q	203	BCR	C37-C22-C21	-5.86	113.33	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	850	BCR	C24-C23-C22	-5.85	117.58	126.23
14	Y	833	CLA	C2C-C1C-NC	5.85	116.13	109.98
14	L	204	CLA	C1C-C2C-C3C	-5.85	100.83	106.98
14	K	102	CLA	O2D-CGD-CBD	5.85	121.45	111.23
14	H	825	CLA	C4A-NA-C1A	5.85	109.35	106.68
14	f	102	CLA	O2D-CGD-CBD	5.84	121.45	111.23
14	A	819	CLA	C2D-C1D-ND	5.84	115.91	110.13
14	Z	828	CLA	O2A-CGA-O1A	-5.84	109.02	123.63
14	Z	810	CLA	C2D-C1D-ND	5.84	115.91	110.13
14	H	801	CLA	O2A-CGA-O1A	-5.84	109.02	123.63
14	A	821	CLA	O2D-CGD-CBD	5.84	121.43	111.23
14	A	842	CLA	O2A-CGA-O1A	-5.84	109.03	123.63
14	A	803	CLA	C3B-C2B-C1B	-5.83	100.29	107.17
14	T	103	CLA	C2C-C1C-NC	5.83	116.11	109.98
14	L	202	CLA	O2D-CGD-CBD	5.83	121.43	111.23
14	G	806	CLA	O2A-CGA-O1A	-5.83	109.04	123.63
17	B	845	BCR	C36-C18-C17	-5.83	113.37	122.82
14	h	205	CLA	O2A-CGA-O1A	-5.83	109.05	123.63
14	G	840	CLA	C1D-ND-C4D	-5.83	102.22	106.31
17	Y	844	BCR	C19-C18-C17	5.83	128.17	119.01
17	Q	201	BCR	C19-C18-C17	5.83	128.17	119.01
14	G	815	CLA	C3B-C2B-C1B	-5.82	100.30	107.17
14	G	839	CLA	C1D-ND-C4D	-5.82	102.23	106.31
14	Y	819	CLA	C4A-NA-C1A	5.82	109.33	106.68
14	A	843	CLA	C2D-C1D-ND	5.82	115.89	110.13
14	H	817	CLA	C4A-NA-C1A	5.82	109.33	106.68
14	B	832	CLA	O2D-CGD-CBD	5.82	121.40	111.23
14	A	816	CLA	C4A-NA-C1A	5.82	109.33	106.68
14	A	831	CLA	C2C-C1C-NC	5.82	116.09	109.98
14	Y	841	CLA	C1C-C2C-C3C	-5.82	100.86	106.98
14	A	806	CLA	C1D-ND-C4D	-5.82	102.23	106.31
14	G	826	CLA	C1C-C2C-C3C	-5.81	100.86	106.98
14	L	204	CLA	C1D-ND-C4D	-5.81	102.23	106.31
17	S	1104	BCR	C34-C9-C10	-5.81	113.40	122.82
14	Z	803	CLA	O2D-CGD-CBD	5.81	121.39	111.23
17	h	202	BCR	C27-C26-C25	-5.81	114.85	122.70
14	B	829	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	H	808	CLA	O2A-CGA-O1A	-5.80	109.11	123.63
14	Z	823	CLA	C2C-C1C-NC	5.80	116.08	109.98
14	A	840	CLA	C2D-C1D-ND	5.80	115.87	110.13
17	Y	845	BCR	C19-C18-C17	5.80	128.13	119.01
14	G	803	CLA	C3B-C2B-C1B	-5.80	100.33	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	d	202	CLA	C2C-C1C-NC	5.80	116.07	109.98
14	Z	810	CLA	O2A-CGA-O1A	-5.80	109.12	123.63
14	J	101	CLA	C1D-ND-C4D	-5.80	102.24	106.31
17	G	848	BCR	C19-C18-C17	5.80	128.13	119.01
14	A	832	CLA	O2D-CGD-CBD	5.80	121.36	111.23
14	G	803	CLA	C4A-NA-C1A	5.79	109.32	106.68
14	A	817	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	B	815	CLA	C1C-C2C-C3C	-5.79	100.89	106.98
14	Y	839	CLA	C1D-ND-C4D	-5.79	102.25	106.31
14	A	811	CLA	O2D-CGD-CBD	5.79	121.35	111.23
14	G	809	CLA	O2D-CGD-CBD	5.79	121.35	111.23
14	Z	840	CLA	C2C-C1C-NC	5.79	116.06	109.98
14	A	831	CLA	O2D-CGD-CBD	5.79	121.34	111.23
17	Z	846	BCR	C28-C27-C26	-5.79	103.74	114.06
14	G	830	CLA	C1C-C2C-C3C	-5.78	100.90	106.98
14	A	825	CLA	C3B-C2B-C1B	-5.78	100.35	107.17
14	Y	802	CLA	C3B-C2B-C1B	-5.78	100.36	107.17
14	H	825	CLA	C3D-C2D-C1D	-5.78	97.94	105.83
14	Z	831	CLA	C2D-C1D-ND	5.78	115.84	110.13
14	Z	834	CLA	C2C-C1C-NC	5.78	116.05	109.98
17	A	848	BCR	C36-C18-C17	-5.78	113.46	122.82
17	A	848	BCR	C38-C26-C25	-5.77	118.18	124.48
14	B	812	CLA	O2D-CGD-CBD	5.77	121.32	111.23
14	H	832	CLA	C3B-C2B-C1B	-5.77	100.37	107.17
14	h	206	CLA	C3B-C2B-C1B	-5.77	100.37	107.17
14	Y	831	CLA	C2C-C1C-NC	5.77	116.04	109.98
14	A	829	CLA	C2D-C1D-ND	5.77	115.84	110.13
14	G	804	CLA	C2C-C1C-NC	5.77	116.04	109.98
14	B	807	CLA	C2C-C1C-NC	5.77	116.04	109.98
14	H	820	CLA	C4A-NA-C1A	5.77	109.31	106.68
14	U	1006	CLA	C3B-C2B-C1B	-5.77	100.37	107.17
14	G	830	CLA	CMD-C2D-C1D	5.77	134.88	124.73
14	B	824	CLA	C1D-ND-C4D	-5.77	102.27	106.31
14	Y	816	CLA	C2C-C1C-NC	5.76	116.04	109.98
14	A	839	CLA	C4A-NA-C1A	5.76	109.31	106.68
14	B	824	CLA	C1C-C2C-C3C	-5.76	100.92	106.98
14	A	836	CLA	C3B-C2B-C1B	-5.76	100.38	107.17
14	Z	841	CLA	C1D-ND-C4D	-5.76	102.27	106.31
17	H	850	BCR	C19-C18-C17	5.76	128.07	119.01
14	Z	803	CLA	C1D-ND-C4D	-5.76	102.27	106.31
14	G	818	CLA	C2C-C1C-NC	5.76	116.03	109.98
14	H	818	CLA	C1D-ND-C4D	-5.76	102.27	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	204	CLA	C1-O2A-CGA	5.76	130.59	116.65
14	G	805	CLA	C4A-NA-C1A	5.76	109.31	106.68
14	H	827	CLA	C2D-C1D-ND	5.76	115.82	110.13
14	Y	840	CLA	C2D-C1D-ND	5.76	115.82	110.13
14	B	836	CLA	O2D-CGD-CBD	5.76	121.29	111.23
14	H	816	CLA	C1D-ND-C4D	-5.76	102.27	106.31
14	S	1103	CLA	C2C-C1C-NC	5.75	116.03	109.98
14	H	817	CLA	C2D-C1D-ND	5.75	115.82	110.13
14	H	838	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	G	817	CLA	C1C-C2C-C3C	-5.75	100.93	106.98
14	L	201	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	Z	835	CLA	C4A-NA-C1A	5.75	109.30	106.68
17	U	1008	BCR	C34-C9-C8	5.75	126.87	118.09
14	A	815	CLA	C1D-ND-C4D	-5.75	102.28	106.31
14	Y	803	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	Y	804	CLA	C2C-C1C-NC	5.75	116.02	109.98
14	G	836	CLA	C2C-C1C-NC	5.74	116.02	109.98
14	L	206	CLA	C4A-NA-C1A	5.74	109.30	106.68
14	Z	828	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	Y	802	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	G	831	CLA	O2D-CGD-CBD	5.74	121.27	111.23
14	G	820	CLA	C1C-C2C-C3C	-5.74	100.94	106.98
14	Z	830	CLA	O2D-CGD-CBD	5.74	121.26	111.23
14	A	836	CLA	O2A-CGA-O1A	-5.74	109.28	123.63
14	A	843	CLA	C2C-C1C-NC	5.74	116.01	109.98
14	A	805	CLA	C1C-C2C-C3C	-5.73	100.95	106.98
14	L	205	CLA	C4A-NA-C1A	5.73	109.30	106.68
14	G	805	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
14	H	838	CLA	C1D-ND-C4D	-5.73	102.29	106.31
14	A	805	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	Z	835	CLA	C1D-ND-C4D	-5.73	102.29	106.31
14	A	819	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
14	A	805	CLA	C3B-C2B-C1B	-5.73	100.42	107.17
14	Z	839	CLA	C3B-C2B-C1B	-5.73	100.42	107.17
14	G	804	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
14	K	102	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	B	807	CLA	C1C-C2C-C3C	-5.73	100.96	106.98
14	B	814	CLA	C1C-C2C-C3C	-5.73	100.96	106.98
14	G	833	CLA	C4A-NA-C1A	5.73	109.29	106.68
14	H	821	CLA	C2C-C1C-NC	5.73	116.00	109.98
14	H	807	CLA	O2D-CGD-CBD	5.73	121.24	111.23
17	B	847	BCR	C36-C18-C17	-5.72	113.54	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	804	CLA	C2D-C1D-ND	5.72	115.79	110.13
14	Z	811	CLA	C1D-ND-C4D	-5.72	102.30	106.31
14	Z	815	CLA	C1C-C2C-C3C	-5.72	100.96	106.98
14	Y	803	CLA	C4A-NA-C1A	5.72	109.29	106.68
14	G	806	CLA	O2A-CGA-CBA	5.72	129.28	111.83
14	H	812	CLA	C2C-C1C-NC	5.72	115.99	109.98
14	H	836	CLA	O2D-CGD-CBD	5.72	121.23	111.23
14	Z	817	CLA	C4A-NA-C1A	5.72	109.29	106.68
14	Z	822	CLA	C1C-C2C-C3C	-5.72	100.97	106.98
14	Y	838	CLA	O2D-CGD-CBD	5.72	121.22	111.23
14	J	102	CLA	O2A-CGA-O1A	-5.71	109.33	123.63
14	A	811	CLA	C1C-C2C-C3C	-5.71	100.97	106.98
14	G	817	CLA	C2C-C1C-NC	5.71	115.98	109.98
14	L	204	CLA	O2A-CGA-O1A	-5.71	109.34	123.63
14	A	817	CLA	C1D-ND-C4D	-5.71	102.30	106.31
14	B	801	CLA	C4A-NA-C1A	5.71	109.28	106.68
17	Y	846	BCR	C19-C18-C17	5.71	127.99	119.01
14	Z	809	CLA	C1D-ND-C4D	-5.71	102.31	106.31
14	H	807	CLA	C3D-C2D-C1D	-5.71	98.04	105.83
14	H	802	CLA	C1C-C2C-C3C	-5.71	100.98	106.98
14	Z	828	CLA	O2D-CGD-CBD	5.70	121.20	111.23
14	B	818	CLA	C2C-C1C-NC	5.70	115.97	109.98
14	Z	814	CLA	C3D-C2D-C1D	-5.70	98.05	105.83
14	B	831	CLA	C2D-C1D-ND	5.70	115.77	110.13
14	A	820	CLA	C1D-ND-C4D	-5.70	102.31	106.31
14	G	815	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	Z	804	CLA	C1C-C2C-C3C	-5.70	100.99	106.98
14	Z	809	CLA	O2A-CGA-O1A	-5.69	109.38	123.63
14	Z	808	CLA	C4A-NA-C1A	5.69	109.28	106.68
14	G	827	CLA	C3B-C2B-C1B	-5.69	100.46	107.17
14	B	808	CLA	OBD-CAD-C3D	-5.69	115.11	128.42
14	A	816	CLA	C3D-C2D-C1D	-5.69	98.06	105.83
14	B	811	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	H	839	CLA	C1D-ND-C4D	-5.69	102.32	106.31
14	B	818	CLA	C4A-NA-C1A	5.69	109.28	106.68
14	G	832	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	Z	820	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	B	821	CLA	C2C-C1C-NC	5.69	115.96	109.98
14	A	823	CLA	C3B-C2B-C1B	-5.69	100.47	107.17
14	B	807	CLA	O2A-CGA-O1A	-5.68	109.41	123.63
17	A	851	BCR	C34-C9-C10	-5.68	113.61	122.82
14	Y	834	CLA	O2D-CGD-CBD	5.68	121.17	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	851	CLA	O2A-CGA-O1A	-5.68	109.41	123.63
14	Y	829	CLA	C2C-C1C-NC	5.68	115.95	109.98
14	Z	838	CLA	C4A-NA-C1A	5.68	109.27	106.68
17	F	203	BCR	C33-C5-C6	-5.68	118.28	124.48
17	S	1104	BCR	C36-C18-C17	-5.68	113.61	122.82
14	Y	830	CLA	C1C-C2C-C3C	-5.68	101.01	106.98
14	A	827	CLA	C1C-C2C-C3C	-5.68	101.01	106.98
14	H	814	CLA	C1C-C2C-C3C	-5.68	101.01	106.98
14	J	101	CLA	C4A-NA-C1A	5.68	109.27	106.68
14	B	825	CLA	O2D-CGD-CBD	5.68	121.15	111.23
14	H	814	CLA	O2A-CGA-O1A	-5.68	109.43	123.63
14	W	1701	CLA	C1D-ND-C4D	-5.67	102.33	106.31
17	i	101	BCR	C34-C9-C8	5.67	126.75	118.09
17	F	201	BCR	C36-C18-C17	-5.67	113.63	122.82
14	G	822	CLA	C1C-C2C-C3C	-5.67	101.02	106.98
14	Y	818	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	G	826	CLA	C3B-C2B-C1B	-5.67	100.49	107.17
14	Z	802	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	B	826	CLA	C3D-C2D-C1D	-5.67	98.10	105.83
14	H	801	CLA	C1C-C2C-C3C	-5.67	101.02	106.98
14	Y	809	CLA	C2C-C1C-NC	5.66	115.93	109.98
14	Z	816	CLA	C3B-C2B-C1B	-5.66	100.49	107.17
14	H	825	CLA	C3B-C2B-C1B	-5.66	100.49	107.17
14	Z	823	CLA	CMD-C2D-C1D	5.66	134.70	124.73
17	R	102	BCR	C34-C9-C8	5.66	126.74	118.09
14	Z	834	CLA	C1C-C2C-C3C	-5.66	101.02	106.98
14	B	816	CLA	C3D-C2D-C1D	-5.66	98.11	105.83
14	B	824	CLA	C3B-C2B-C1B	-5.66	100.50	107.17
14	Y	820	CLA	C3D-C2D-C1D	-5.66	98.11	105.83
14	Y	821	CLA	C1D-ND-C4D	-5.66	102.34	106.31
14	U	1003	CLA	O2D-CGD-CBD	5.66	121.12	111.23
14	G	852	CLA	CMD-C2D-C1D	5.66	134.69	124.73
14	Y	812	CLA	O2A-CGA-O1A	-5.66	109.48	123.63
14	H	820	CLA	C1C-C2C-C3C	-5.66	101.03	106.98
14	G	823	CLA	O2D-CGD-CBD	5.65	121.11	111.23
13	Y	801	CL0	O2A-CGA-O1A	-5.65	109.48	123.63
14	Z	829	CLA	C2C-C1C-NC	5.65	115.92	109.98
14	W	1701	CLA	C2C-C1C-NC	5.65	115.92	109.98
14	A	823	CLA	C2D-C1D-ND	5.65	115.72	110.13
14	A	816	CLA	C3B-C2B-C1B	-5.65	100.51	107.17
14	H	801	CLA	C4A-NA-C1A	5.65	109.26	106.68
14	Y	804	CLA	C2D-C1D-ND	5.65	115.72	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	810	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
14	Y	820	CLA	C3B-C2B-C1B	-5.65	100.51	107.17
14	H	836	CLA	C4A-NA-C1A	5.65	109.25	106.68
14	G	806	CLA	C1C-C2C-C3C	-5.65	101.04	106.98
14	f	102	CLA	C3B-C2B-C1B	-5.65	100.52	107.17
14	H	830	CLA	C2C-C1C-NC	5.64	115.91	109.98
17	H	844	BCR	C24-C23-C22	-5.64	117.88	126.23
14	G	803	CLA	OBD-CAD-C3D	-5.64	115.22	128.42
14	A	831	CLA	C4A-NA-C1A	5.64	109.25	106.68
14	Z	825	CLA	C2D-C1D-ND	5.64	115.71	110.13
14	Z	805	CLA	O2A-CGA-O1A	-5.64	109.51	123.63
14	Y	827	CLA	C3D-C2D-C1D	-5.64	98.13	105.83
14	G	841	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
17	H	842	BCR	C19-C18-C17	5.64	127.88	119.01
14	A	813	CLA	O2D-CGD-CBD	5.64	121.09	111.23
14	B	829	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
14	G	817	CLA	O2A-CGA-O1A	-5.64	109.52	123.63
14	G	832	CLA	C1D-ND-C4D	-5.64	102.36	106.31
14	G	833	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
14	Z	818	CLA	C1C-C2C-C3C	-5.64	101.05	106.98
14	B	832	CLA	O2A-CGA-O1A	-5.64	109.52	123.63
14	U	1007	CLA	C3B-C2B-C1B	-5.64	100.52	107.17
14	L	205	CLA	C2D-C1D-ND	5.64	115.71	110.13
14	Z	815	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	g	101	CLA	C2C-C1C-NC	5.64	115.90	109.98
14	G	803	CLA	C2C-C1C-NC	5.63	115.90	109.98
14	f	101	CLA	C3D-C2D-C1D	-5.63	98.14	105.83
14	Z	841	CLA	C3B-C2B-C1B	-5.63	100.53	107.17
17	U	1005	BCR	C34-C9-C8	5.63	126.69	118.09
14	Z	837	CLA	C3D-C2D-C1D	-5.63	98.15	105.83
14	Z	811	CLA	O2D-CGD-CBD	5.63	121.08	111.23
14	Y	832	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	Y	831	CLA	C1C-C2C-C3C	-5.63	101.06	106.98
14	Z	814	CLA	C2C-C1C-NC	5.63	115.89	109.98
14	H	834	CLA	O2D-CGD-CBD	5.63	121.07	111.23
14	G	816	CLA	C1D-ND-C4D	-5.63	102.36	106.31
14	G	810	CLA	C3B-C2B-C1B	-5.62	100.54	107.17
14	B	826	CLA	C3B-C2B-C1B	-5.62	100.54	107.17
14	H	826	CLA	C3B-C2B-C1B	-5.62	100.54	107.17
17	L	208	BCR	C38-C26-C25	5.62	130.62	124.48
14	B	837	CLA	C1D-ND-C4D	-5.62	102.37	106.31
14	Y	808	CLA	C1D-ND-C4D	-5.62	102.37	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	839	CLA	O2D-CGD-CBD	5.62	121.05	111.23
14	G	832	CLA	O2A-CGA-O1A	-5.62	109.58	123.63
14	B	810	CLA	O2D-CGD-CBD	5.62	121.05	111.23
14	H	828	CLA	C2D-C1D-ND	5.62	115.69	110.13
14	H	825	CLA	C1C-C2C-C3C	-5.62	101.07	106.98
14	H	830	CLA	C1C-C2C-C3C	-5.61	101.08	106.98
14	W	1701	CLA	C2D-C1D-ND	5.61	115.68	110.13
14	Y	819	CLA	C1D-ND-C4D	-5.61	102.37	106.31
14	H	837	CLA	C1D-ND-C4D	-5.61	102.38	106.31
17	B	846	BCR	C36-C18-C17	-5.61	113.73	122.82
14	H	818	CLA	C4A-NA-C1A	5.61	109.24	106.68
14	H	818	CLA	C2C-C1C-NC	5.61	115.87	109.98
14	L	202	CLA	C2D-C1D-ND	5.61	115.67	110.13
14	U	1006	CLA	C2C-C1C-NC	5.60	115.87	109.98
14	Z	812	CLA	C2C-C1C-NC	5.60	115.87	109.98
17	H	843	BCR	C36-C18-C17	-5.60	113.74	122.82
14	A	837	CLA	O2A-CGA-O1A	-5.60	109.61	123.63
14	Z	825	CLA	C1C-C2C-C3C	-5.60	101.09	106.98
14	Y	822	CLA	C3B-C2B-C1B	-5.60	100.56	107.17
14	Z	827	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	Y	806	CLA	O2A-CGA-O1A	-5.60	109.62	123.63
14	G	825	CLA	C1C-C2C-C3C	-5.60	101.09	106.98
14	j	102	CLA	O2A-CGA-O1A	-5.60	108.93	123.33
14	H	839	CLA	C3D-C2D-C1D	-5.60	98.19	105.83
14	H	834	CLA	C1D-ND-C4D	-5.60	102.38	106.31
14	Z	831	CLA	C1D-ND-C4D	-5.60	102.38	106.31
17	A	847	BCR	C27-C26-C25	-5.60	115.14	122.70
14	A	822	CLA	C2D-C1D-ND	5.60	115.67	110.13
14	A	812	CLA	O2A-CGA-O1A	-5.60	109.63	123.63
14	G	816	CLA	O2A-CGA-O1A	-5.59	109.64	123.63
14	Z	819	CLA	O2A-CGA-CBA	5.59	128.89	111.83
14	B	809	CLA	C2C-C1C-NC	5.59	115.85	109.98
14	Y	827	CLA	C2D-C1D-ND	5.59	115.66	110.13
14	Y	810	CLA	C1D-ND-C4D	-5.59	102.39	106.31
14	U	1003	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	Y	822	CLA	C4A-NA-C1A	5.59	109.23	106.68
14	Z	818	CLA	O2D-CGD-CBD	5.59	121.00	111.23
14	Z	806	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	A	843	CLA	O2D-CGD-CBD	5.59	121.00	111.23
14	H	810	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	B	825	CLA	C2D-C1D-ND	5.59	115.66	110.13
14	Q	202	CLA	C4A-NA-C1A	5.59	109.23	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	804	CLA	C1C-C2C-C3C	-5.59	101.10	106.98
14	Y	821	CLA	C3B-C2B-C1B	-5.59	100.58	107.17
14	G	807	CLA	C1D-ND-C4D	-5.59	102.39	106.31
14	H	851	CLA	C3D-C2D-C1D	-5.58	98.21	105.83
17	H	845	BCR	C40-C30-C25	5.58	119.00	110.24
14	A	842	CLA	C4A-NA-C1A	5.58	109.23	106.68
14	Z	841	CLA	C2C-C1C-NC	5.58	115.84	109.98
14	A	804	CLA	C2C-C1C-NC	5.58	115.84	109.98
14	J	102	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
14	Z	841	CLA	C2D-C1D-ND	5.58	115.65	110.13
14	B	830	CLA	C2C-C1C-NC	5.58	115.84	109.98
14	H	830	CLA	C3B-C2B-C1B	-5.58	100.59	107.17
14	S	1101	CLA	O2A-CGA-O1A	-5.58	109.68	123.63
14	G	853	CLA	C3B-C2B-C1B	-5.58	100.60	107.17
14	Z	841	CLA	O2D-CGD-CBD	5.58	120.98	111.23
14	Z	809	CLA	C3B-C2B-C1B	-5.57	100.60	107.17
14	H	815	CLA	O2D-CGD-CBD	5.57	120.97	111.23
14	H	822	CLA	C2C-C1C-NC	5.57	115.83	109.98
14	B	803	CLA	C4A-NA-C1A	5.57	109.22	106.68
14	B	824	CLA	O2D-CGD-CBD	5.57	120.96	111.23
14	Y	814	CLA	O2A-CGA-O1A	-5.57	109.70	123.63
14	Z	836	CLA	C2D-C1D-ND	5.57	115.64	110.13
14	h	201	CLA	O2A-CGA-O1A	-5.57	109.71	123.63
14	A	814	CLA	C2C-C1C-NC	5.56	115.83	109.98
14	G	819	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	Y	806	CLA	C3B-C2B-C1B	-5.56	100.61	107.17
14	G	812	CLA	C2C-C1C-NC	5.56	115.83	109.98
14	W	1701	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	Z	809	CLA	C2D-C1D-ND	5.56	115.63	110.13
14	B	805	CLA	C1C-C2C-C3C	-5.56	101.13	106.98
14	G	835	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
14	L	201	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
14	A	837	CLA	C4A-NA-C1A	5.56	109.22	106.68
17	B	850	BCR	C34-C9-C10	-5.56	113.81	122.82
14	B	829	CLA	C4A-NA-C1A	5.56	109.21	106.68
14	G	805	CLA	C1C-C2C-C3C	-5.56	101.14	106.98
17	Y	847	BCR	C36-C18-C17	-5.56	113.81	122.82
14	G	818	CLA	C3D-C2D-C1D	-5.56	98.25	105.83
14	Y	830	CLA	C2C-C1C-NC	5.56	115.82	109.98
17	G	845	BCR	C15-C14-C13	-5.55	119.49	127.28
14	B	825	CLA	C2C-C1C-NC	5.55	115.82	109.98
14	Z	831	CLA	C3D-C2D-C1D	-5.55	98.25	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	103	CLA	C1C-C2C-C3C	-5.55	101.14	106.98
14	A	840	CLA	C2C-C1C-NC	5.55	115.81	109.98
14	H	835	CLA	C3B-C2B-C1B	-5.55	100.62	107.17
14	G	839	CLA	C1C-C2C-C3C	-5.55	101.14	106.98
14	A	843	CLA	C3D-C2D-C1D	-5.55	98.26	105.83
14	G	818	CLA	C2D-C1D-ND	5.55	115.61	110.13
14	B	825	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	H	822	CLA	C1C-C2C-C3C	-5.54	101.15	106.98
14	Z	822	CLA	C2C-C1C-NC	5.54	115.80	109.98
14	Z	817	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	d	201	CLA	C4A-NA-C1A	5.54	109.21	106.68
14	H	811	CLA	C2D-C1D-ND	5.54	115.61	110.13
14	A	842	CLA	C1D-ND-C4D	-5.54	102.42	106.31
17	Q	203	BCR	C31-C1-C6	-5.54	101.56	110.24
14	Y	808	CLA	C4A-NA-C1A	5.54	109.20	106.68
14	A	838	CLA	C3B-C2B-C1B	-5.54	100.64	107.17
14	H	801	CLA	C1D-ND-C4D	-5.54	102.43	106.31
14	A	829	CLA	C3D-C2D-C1D	-5.54	98.28	105.83
14	Z	831	CLA	O2A-CGA-O1A	-5.53	109.10	123.33
14	H	816	CLA	O2D-CGD-CBD	5.53	120.90	111.23
14	A	828	CLA	C1D-ND-C4D	-5.53	102.43	106.31
14	U	1002	CLA	C2D-C1D-ND	5.53	115.60	110.13
14	Y	813	CLA	C3D-C2D-C1D	-5.53	98.28	105.83
14	Y	841	CLA	O2A-CGA-CBA	5.53	128.70	111.83
14	Y	815	CLA	C1D-ND-C4D	-5.53	102.43	106.31
14	G	837	CLA	C1C-C2C-C3C	-5.53	101.17	106.98
14	Y	815	CLA	C1C-C2C-C3C	-5.53	101.17	106.98
14	U	1002	CLA	C3B-C2B-C1B	-5.53	100.66	107.17
14	Z	811	CLA	C4A-NA-C1A	5.53	109.20	106.68
14	Z	836	CLA	C3D-C2D-C1D	-5.53	98.29	105.83
14	B	829	CLA	O2A-CGA-O1A	-5.52	109.12	123.33
14	A	823	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	Y	803	CLA	O2A-CGA-O1A	-5.52	109.81	123.63
17	G	845	BCR	C8-C7-C6	-5.52	112.24	127.00
14	B	804	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	H	806	CLA	C1C-C2C-C3C	-5.52	101.17	106.98
14	Z	821	CLA	C3B-C2B-C1B	-5.52	100.66	107.17
14	G	815	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	U	1004	CLA	C1D-ND-C4D	-5.52	102.44	106.31
14	H	851	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	Y	812	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	H	822	CLA	O2D-CGD-CBD	5.52	120.88	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	838	CLA	C4A-NA-C1A	5.52	109.20	106.68
14	Y	808	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
14	Z	809	CLA	C2C-C1C-NC	5.52	115.78	109.98
14	B	808	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
14	A	803	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	H	813	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	H	820	CLA	O2D-CGD-CBD	5.51	120.87	111.23
14	F	202	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	H	824	CLA	O2A-CGA-O1A	-5.51	109.84	123.63
14	Z	819	CLA	C1-O2A-CGA	5.51	129.99	116.65
14	X	1701	CLA	C2C-C1C-NC	5.51	115.77	109.98
14	H	833	CLA	O2D-CGD-CBD	5.51	120.86	111.23
14	G	832	CLA	C1C-C2C-C3C	-5.51	101.19	106.98
14	Y	822	CLA	C1C-C2C-C3C	-5.51	101.19	106.98
14	G	814	CLA	C3B-C2B-C1B	-5.51	100.68	107.17
14	G	827	CLA	C2D-C1D-ND	5.51	115.58	110.13
14	A	819	CLA	C3B-C2B-C1B	-5.51	100.68	107.17
14	H	828	CLA	C3B-C2B-C1B	-5.51	100.68	107.17
14	A	835	CLA	C3B-C2B-C1B	-5.50	100.68	107.17
14	h	206	CLA	C3D-C2D-C1D	-5.50	98.32	105.83
14	A	802	CLA	C2C-C1C-NC	5.50	115.76	109.98
14	Y	841	CLA	C2D-C1D-ND	5.50	115.57	110.13
14	H	825	CLA	C2C-C1C-NC	5.50	115.76	109.98
14	Y	834	CLA	C2C-C1C-NC	5.50	115.76	109.98
17	f	103	BCR	C34-C9-C10	-5.50	113.91	122.82
14	A	831	CLA	O2A-CGA-O1A	-5.50	109.87	123.63
14	Y	802	CLA	OBD-CAD-C3D	-5.50	115.56	128.42
14	S	1103	CLA	C1C-C2C-C3C	-5.50	101.20	106.98
14	H	829	CLA	O2D-CGD-CBD	5.50	120.84	111.23
14	K	101	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	H	803	CLA	C3B-C2B-C1B	-5.50	100.69	107.17
14	Z	826	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	H	833	CLA	C3B-C2B-C1B	-5.49	100.69	107.17
14	H	815	CLA	O2A-CGA-O1A	-5.49	109.20	123.33
14	H	818	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	H	816	CLA	C2C-C1C-NC	5.49	115.75	109.98
14	U	1003	CLA	C1D-ND-C4D	-5.49	102.46	106.31
14	Y	806	CLA	C1C-C2C-C3C	-5.49	101.20	106.98
14	Z	829	CLA	C2D-C1D-ND	5.49	115.56	110.13
14	B	830	CLA	O2D-CGD-CBD	5.49	120.83	111.23
14	B	825	CLA	C3D-C2D-C1D	-5.49	98.34	105.83
14	A	807	CLA	O2A-CGA-O1A	-5.49	109.90	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	815	CLA	C2D-C1D-ND	5.49	115.56	110.13
14	H	811	CLA	C1D-ND-C4D	-5.49	102.46	106.31
14	Y	808	CLA	O2A-CGA-O1A	-5.49	109.90	123.63
14	Y	811	CLA	C1C-C2C-C3C	-5.49	101.21	106.98
14	B	805	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	H	851	CLA	C2D-C1D-ND	5.48	115.55	110.13
14	Y	807	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
14	H	832	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	A	802	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
14	B	831	CLA	O2A-CGA-O1A	-5.48	109.92	123.63
14	H	815	CLA	C3D-C2D-C1D	-5.48	98.35	105.83
17	A	849	BCR	C24-C23-C22	-5.48	118.13	126.23
14	B	824	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	H	823	CLA	C2C-C1C-NC	5.48	115.74	109.98
14	G	838	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	Y	831	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	G	842	CLA	C3B-C2B-C1B	-5.48	100.71	107.17
14	K	101	CLA	C1C-C2C-C3C	-5.48	101.22	106.98
14	Z	826	CLA	C2C-C1C-NC	5.48	115.73	109.98
14	H	808	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	Z	806	CLA	C4A-NA-C1A	5.48	109.18	106.68
14	A	805	CLA	C2D-C1D-ND	5.48	115.55	110.13
14	A	810	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
14	S	1102	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	Y	805	CLA	C1C-C2C-C3C	-5.47	101.22	106.98
14	S	1101	CLA	O2D-CGD-CBD	5.47	120.80	111.23
14	B	804	CLA	C3B-C2B-C1B	-5.47	100.72	107.17
14	G	809	CLA	C1D-ND-C4D	-5.47	102.47	106.31
14	Z	826	CLA	C1D-ND-C4D	-5.47	102.47	106.31
17	d	203	BCR	C23-C22-C21	5.47	127.61	119.01
14	B	834	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	H	818	CLA	O2D-CGD-CBD	5.46	120.78	111.23
17	Q	203	BCR	C23-C22-C21	5.46	127.60	119.01
14	S	1101	CLA	C4A-NA-C1A	5.46	109.17	106.68
14	A	829	CLA	C1D-ND-C4D	-5.46	102.48	106.31
14	T	101	CLA	C2C-C1C-NC	5.46	115.72	109.98
14	Z	826	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	Z	806	CLA	C3B-C2B-C1B	-5.46	100.73	107.17
14	G	815	CLA	C2C-C1C-NC	5.46	115.72	109.98
17	Y	852	BCR	C34-C9-C10	-5.46	113.97	122.82
14	G	813	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	Z	838	CLA	C1D-ND-C4D	-5.46	102.48	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	836	CLA	C3D-C2D-C1D	-5.46	98.38	105.83
14	G	831	CLA	C3B-C2B-C1B	-5.46	100.74	107.17
14	A	836	CLA	C2D-C1D-ND	5.45	115.52	110.13
14	U	1004	CLA	C2C-C1C-NC	5.45	115.71	109.98
14	U	1004	CLA	C2D-C1D-ND	5.45	115.52	110.13
14	H	815	CLA	C1D-ND-C4D	-5.45	102.49	106.31
14	Y	816	CLA	C3B-C2B-C1B	-5.45	100.74	107.17
14	Z	826	CLA	C2D-C1D-ND	5.45	115.52	110.13
14	A	838	CLA	C4A-NA-C1A	5.45	109.17	106.68
14	Y	834	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	G	814	CLA	C4A-NA-C1A	5.45	109.16	106.68
14	j	102	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	B	803	CLA	C3B-C2B-C1B	-5.45	100.75	107.17
14	B	821	CLA	C1C-C2C-C3C	-5.45	101.25	106.98
14	Y	814	CLA	O2D-CGD-CBD	5.44	120.75	111.23
14	Y	819	CLA	C3B-C2B-C1B	-5.44	100.75	107.17
14	H	806	CLA	C2C-C1C-NC	5.44	115.70	109.98
14	G	806	CLA	C2D-C1D-ND	5.44	115.51	110.13
14	A	829	CLA	O2D-CGD-CBD	5.44	120.75	111.23
14	G	816	CLA	C1C-C2C-C3C	-5.44	101.26	106.98
14	A	814	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
14	Y	809	CLA	C1D-ND-C4D	-5.44	102.50	106.31
14	Y	804	CLA	C3B-C2B-C1B	-5.44	100.76	107.17
17	H	844	BCR	C36-C18-C17	-5.43	114.01	122.82
14	B	831	CLA	O2D-CGD-CBD	5.43	120.73	111.23
14	Y	813	CLA	O2A-CGA-O1A	-5.43	110.04	123.63
17	Y	847	BCR	C34-C9-C10	-5.43	114.01	122.82
14	Y	818	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	A	815	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
14	A	823	CLA	C3D-C2D-C1D	-5.43	98.42	105.83
14	Y	815	CLA	C4A-NA-C1A	5.43	109.16	106.68
17	Z	847	BCR	C37-C22-C21	-5.43	114.02	122.82
14	Y	840	CLA	C3B-C2B-C1B	-5.43	100.77	107.17
14	Y	816	CLA	C1C-C2C-C3C	-5.43	101.27	106.98
14	Z	808	CLA	C2C-C1C-NC	5.42	115.68	109.98
14	Y	815	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
17	J	104	BCR	C34-C9-C8	5.42	126.37	118.09
14	Z	814	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	T	101	CLA	C4A-NA-C1A	5.42	109.15	106.68
14	A	839	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	H	822	CLA	C2D-C1D-ND	5.42	115.49	110.13
14	H	839	CLA	C2C-C1C-NC	5.42	115.67	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	836	CLA	C1D-ND-C4D	-5.42	102.51	106.31
14	G	829	CLA	C2C-C1C-NC	5.42	115.67	109.98
14	B	803	CLA	O1D-CGD-CBD	-5.42	113.83	124.52
14	Z	807	CLA	CMD-C2D-C1D	5.42	134.27	124.73
14	A	843	CLA	C3B-C2B-C1B	-5.42	100.78	107.17
14	H	835	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	Z	820	CLA	C1C-C2C-C3C	-5.41	101.29	106.98
14	H	821	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	Y	815	CLA	C2C-C1C-NC	5.41	115.67	109.98
14	A	812	CLA	C1D-ND-C4D	-5.41	102.52	106.31
14	B	839	CLA	C2D-C1D-ND	5.41	115.48	110.13
14	S	1102	CLA	O2A-CGA-O1A	-5.41	109.42	123.33
14	B	819	CLA	C3B-C2B-C1B	-5.41	100.80	107.17
14	Y	820	CLA	C4A-NA-C1A	5.41	109.15	106.68
14	G	828	CLA	C3B-C2B-C1B	-5.41	100.80	107.17
14	Y	833	CLA	C3B-C2B-C1B	-5.41	100.80	107.17
14	G	814	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	G	828	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	H	811	CLA	C3D-C2D-C1D	-5.40	98.46	105.83
14	H	805	CLA	O2A-CGA-O1A	-5.40	110.11	123.63
14	Z	818	CLA	C3B-C2B-C1B	-5.40	100.80	107.17
14	Y	810	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	Y	820	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	J	101	CLA	C2D-C1D-ND	5.40	115.47	110.13
14	Z	803	CLA	C2D-C1D-ND	5.40	115.47	110.13
17	Z	844	BCR	C19-C18-C17	5.40	127.50	119.01
14	Z	841	CLA	C3D-C2D-C1D	-5.40	98.47	105.83
14	Y	824	CLA	C2D-C1D-ND	5.39	115.47	110.13
14	G	831	CLA	C4A-NA-C1A	5.39	109.14	106.68
14	Y	819	CLA	C2C-C1C-NC	5.39	115.65	109.98
14	H	825	CLA	OBD-CAD-C3D	-5.39	115.81	128.42
14	Y	813	CLA	C1D-ND-C4D	-5.39	102.53	106.31
14	J	101	CLA	C1C-C2C-C3C	-5.39	101.31	106.98
14	G	820	CLA	C2C-C1C-NC	5.39	115.65	109.98
14	A	834	CLA	C3B-C2B-C1B	-5.39	100.81	107.17
14	G	823	CLA	C1D-ND-C4D	-5.39	102.53	106.31
14	G	813	CLA	C1D-ND-C4D	-5.39	102.53	106.31
17	i	101	BCR	C23-C24-C25	-5.39	112.61	127.00
14	A	818	CLA	C2D-C1D-ND	5.39	115.46	110.13
17	H	844	BCR	C34-C9-C10	-5.38	114.09	122.82
17	U	1008	BCR	C23-C24-C25	-5.38	112.61	127.00
14	L	204	CLA	C2C-C1C-NC	5.38	115.64	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	201	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	Y	808	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	Z	805	CLA	C2D-C1D-ND	5.38	115.45	110.13
14	A	806	CLA	C1C-C2C-C3C	-5.38	101.32	106.98
14	Y	820	CLA	C1D-ND-C4D	-5.38	102.54	106.31
14	Z	840	CLA	C1D-ND-C4D	-5.38	102.54	106.31
14	A	819	CLA	O2A-CGA-CBA	5.38	128.23	111.83
14	G	817	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	Z	816	CLA	C3D-C2D-C1D	-5.38	98.49	105.83
14	Z	820	CLA	C4A-NA-C1A	5.38	109.13	106.68
14	Y	825	CLA	C2C-C1C-NC	5.38	115.63	109.98
17	S	1104	BCR	C7-C8-C9	-5.38	118.28	126.23
14	Y	817	CLA	C3B-C2B-C1B	-5.38	100.83	107.17
14	Z	825	CLA	C3D-C2D-C1D	-5.37	98.50	105.83
14	H	806	CLA	C4A-NA-C1A	5.37	109.13	106.68
14	d	201	CLA	C3B-C2B-C1B	-5.37	100.84	107.17
14	Y	813	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	A	826	CLA	C1C-C2C-C3C	-5.37	101.33	106.98
14	Z	840	CLA	O2A-CGA-O1A	-5.37	110.20	123.63
17	H	850	BCR	C23-C24-C25	-5.37	112.66	127.00
17	I	101	BCR	C34-C9-C8	5.37	126.29	118.09
14	H	808	CLA	C2C-C1C-NC	5.37	115.62	109.98
14	H	828	CLA	C2C-C1C-NC	5.37	115.62	109.98
14	U	1007	CLA	CMD-C2D-C1D	5.37	134.18	124.73
14	h	205	CLA	C2D-C1D-ND	5.37	115.44	110.13
14	Z	812	CLA	C1C-C2C-C3C	-5.37	101.34	106.98
14	A	836	CLA	C1D-ND-C4D	-5.37	102.55	106.31
14	K	102	CLA	C2D-C1D-ND	5.36	115.43	110.13
14	J	102	CLA	O2A-CGA-CBA	5.36	128.18	111.83
14	A	817	CLA	O2D-CGD-CBD	5.36	120.60	111.23
14	G	808	CLA	C1C-C2C-C3C	-5.36	101.34	106.98
14	H	814	CLA	C1D-ND-C4D	-5.36	102.55	106.31
14	G	840	CLA	C2D-C1D-ND	5.36	115.43	110.13
14	H	812	CLA	C3B-C2B-C1B	-5.36	100.85	107.17
14	Q	202	CLA	C3D-C2D-C1D	-5.36	98.52	105.83
14	H	836	CLA	O2A-CGA-O1A	-5.36	110.22	123.63
17	h	202	BCR	C38-C26-C25	5.36	130.33	124.48
14	S	1103	CLA	C4A-NA-C1A	5.36	109.12	106.68
14	B	811	CLA	C1C-C2C-C3C	-5.36	101.35	106.98
17	d	203	BCR	C37-C22-C21	-5.36	114.14	122.82
17	Y	846	BCR	C33-C5-C6	-5.36	118.64	124.48
14	Y	839	CLA	C3D-C2D-C1D	-5.36	98.52	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	838	CLA	C2C-C1C-NC	5.35	115.61	109.98
14	H	816	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	Z	830	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
18	Y	851	LHG	O7-C7-C8	5.35	120.64	111.09
14	G	806	CLA	C2C-C1C-NC	5.35	115.60	109.98
14	K	101	CLA	OBD-CAD-C3D	-5.35	119.89	128.60
14	G	823	CLA	C1C-C2C-C3C	-5.35	101.35	106.98
14	B	813	CLA	C3B-C2B-C1B	-5.35	100.86	107.17
14	H	804	CLA	C3D-C2D-C1D	-5.35	98.53	105.83
14	A	843	CLA	O2A-CGA-CBA	5.35	128.15	111.83
14	G	802	CLA	C2C-C1C-NC	5.35	115.60	109.98
14	K	101	CLA	C1D-ND-C4D	-5.35	102.56	106.31
14	B	806	CLA	C3B-C2B-C1B	-5.35	100.87	107.17
14	L	201	CLA	C2D-C1D-ND	5.35	115.42	110.13
14	T	103	CLA	O2A-CGA-O1A	-5.35	109.58	123.33
14	S	1103	CLA	O2A-CGA-O1A	-5.35	110.26	123.63
14	Z	829	CLA	C1D-ND-C4D	-5.34	102.56	106.31
14	Y	833	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	B	831	CLA	C3D-C2D-C1D	-5.34	98.54	105.83
17	M	101	BCR	C23-C24-C25	-5.34	112.73	127.00
14	B	815	CLA	C4A-NA-C1A	5.34	109.11	106.68
14	B	819	CLA	C1C-C2C-C3C	-5.34	101.36	106.98
14	A	829	CLA	OBD-CAD-C3D	-5.34	115.94	128.42
14	Y	839	CLA	C1-O2A-CGA	5.34	129.57	116.65
14	f	102	CLA	C2C-C1C-NC	5.34	115.59	109.98
14	Y	824	CLA	C1D-ND-C4D	-5.34	102.57	106.31
14	H	803	CLA	C2C-C1C-NC	5.34	115.59	109.98
14	Y	827	CLA	C1D-ND-C4D	-5.33	102.57	106.31
14	H	817	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	B	812	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	S	1101	CLA	C3B-C2B-C1B	-5.33	100.88	107.17
14	A	808	CLA	C2D-C1D-ND	5.33	115.40	110.13
14	U	1002	CLA	C3D-C2D-C1D	-5.33	98.55	105.83
14	d	201	CLA	C1D-ND-C4D	-5.33	102.57	106.31
14	G	842	CLA	C1C-C2C-C3C	-5.33	101.37	106.98
14	Y	812	CLA	C2D-C1D-ND	5.33	115.40	110.13
17	Y	845	BCR	C24-C23-C22	-5.33	118.35	126.23
14	H	801	CLA	C2D-C1D-ND	5.33	115.40	110.13
14	S	1103	CLA	C3B-C2B-C1B	-5.33	100.89	107.17
14	H	801	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	Y	814	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	A	810	CLA	C2C-C1C-NC	5.33	115.58	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1003	CLA	C4A-NA-C1A	5.33	109.11	106.68
14	B	816	CLA	C2C-C1C-NC	5.33	115.58	109.98
14	H	815	CLA	C1C-C2C-C3C	-5.32	101.38	106.98
14	Y	804	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
14	Y	818	CLA	O2A-CGA-O1A	-5.32	110.31	123.63
14	H	819	CLA	C2C-C1C-NC	5.32	115.57	109.98
14	B	816	CLA	C3B-C2B-C1B	-5.32	100.90	107.17
14	H	828	CLA	C1D-ND-C4D	-5.32	102.58	106.31
14	g	102	CLA	C1D-ND-C4D	-5.32	102.58	106.31
14	H	802	CLA	C3D-C2D-C1D	-5.32	98.57	105.83
17	Z	843	BCR	C34-C9-C8	5.32	126.21	118.09
14	B	823	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	Y	822	CLA	C2C-C1C-NC	5.32	115.57	109.98
14	A	839	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	H	803	CLA	C1C-C2C-C3C	-5.32	101.39	106.98
14	H	836	CLA	CMD-C2D-C1D	5.32	134.09	124.73
17	L	208	BCR	C8-C7-C6	-5.32	112.80	127.00
14	S	1102	CLA	O2D-CGD-CBD	5.32	120.52	111.23
14	H	835	CLA	O2A-CGA-O1A	-5.31	109.67	123.33
14	U	1002	CLA	O2D-CGD-CBD	5.31	120.52	111.23
14	Z	808	CLA	O2D-CGD-CBD	5.31	120.52	111.23
14	B	833	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	G	803	CLA	O2A-CGA-O1A	-5.31	110.35	123.63
14	Z	833	CLA	C1D-ND-C4D	-5.31	102.59	106.31
14	B	840	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	H	807	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	U	1007	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	H	827	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
17	G	845	BCR	C30-C25-C26	-5.31	115.38	122.64
14	G	853	CLA	C2C-C1C-NC	5.31	115.56	109.98
14	L	202	CLA	C3D-C2D-C1D	-5.31	98.59	105.83
14	S	1102	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	Z	808	CLA	C3B-C2B-C1B	-5.31	100.91	107.17
14	B	812	CLA	O2A-CGA-O1A	-5.31	110.36	123.63
14	G	806	CLA	O2D-CGD-CBD	5.31	120.50	111.23
14	H	816	CLA	C1C-C2C-C3C	-5.31	101.40	106.98
14	H	826	CLA	C2D-C1D-ND	5.30	115.38	110.13
14	H	829	CLA	O2A-CGA-O1A	-5.30	110.36	123.63
17	Y	849	BCR	C32-C1-C6	5.30	118.56	110.24
14	Z	833	CLA	C3B-C2B-C1B	-5.30	100.92	107.17
14	Y	817	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
14	B	825	CLA	C3B-C2B-C1B	-5.30	100.92	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	S	1105	BCR	C31-C1-C6	-5.30	101.93	110.24
14	T	101	CLA	C1D-ND-C4D	-5.30	102.59	106.31
14	H	832	CLA	CMD-C2D-C1D	5.30	134.06	124.73
14	Y	803	CLA	C3D-C2D-C1D	-5.30	98.60	105.83
17	B	846	BCR	C33-C5-C6	-5.30	118.70	124.48
14	G	828	CLA	C2D-C1D-ND	5.30	115.37	110.13
14	Y	814	CLA	C1D-ND-C4D	-5.30	102.59	106.31
14	H	802	CLA	C2D-C1D-ND	5.30	115.37	110.13
14	Q	202	CLA	C2D-C1D-ND	5.30	115.37	110.13
14	H	810	CLA	C1D-ND-C4D	-5.29	102.60	106.31
14	A	828	CLA	C2D-C1D-ND	5.29	115.36	110.13
14	H	814	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
14	B	819	CLA	O2A-CGA-O1A	-5.29	109.72	123.33
14	G	802	CLA	O2A-CGA-CBA	5.29	127.97	111.83
14	G	807	CLA	C3B-C2B-C1B	-5.29	100.93	107.17
17	L	208	BCR	C24-C23-C22	-5.29	118.41	126.23
14	Y	808	CLA	C2C-C1C-NC	5.29	115.54	109.98
14	B	813	CLA	C2D-C1D-ND	5.29	115.36	110.13
14	Y	817	CLA	C2D-C1D-ND	5.29	115.36	110.13
14	B	826	CLA	O2A-CGA-O1A	-5.29	110.40	123.63
14	A	802	CLA	O2A-CGA-CBA	5.29	127.95	111.83
14	A	842	CLA	C2C-C1C-NC	5.29	115.53	109.98
14	h	206	CLA	O2A-CGA-CBA	5.29	127.95	111.83
14	Z	832	CLA	C3B-C2B-C1B	-5.29	100.94	107.17
14	L	205	CLA	C2C-C1C-NC	5.29	115.53	109.98
14	A	809	CLA	C1D-ND-C4D	-5.28	102.60	106.31
14	Z	841	CLA	O2A-CGA-O1A	-5.28	110.41	123.63
14	Y	818	CLA	O2D-CGD-CBD	5.28	120.47	111.23
17	M	101	BCR	C34-C9-C8	5.28	126.16	118.09
14	A	840	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	B	809	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	H	823	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	A	805	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	A	833	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	Z	824	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	G	833	CLA	C3D-C2D-C1D	-5.28	98.62	105.83
14	A	832	CLA	C3B-C2B-C1B	-5.28	100.94	107.17
14	A	810	CLA	C1C-C2C-C3C	-5.28	101.43	106.98
14	Z	832	CLA	C2D-C1D-ND	5.28	115.35	110.13
14	A	835	CLA	C1D-ND-C4D	-5.28	102.61	106.31
14	L	202	CLA	C1D-ND-C4D	-5.28	102.61	106.31
14	G	826	CLA	C4A-NA-C1A	5.28	109.09	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	818	CLA	C3B-C2B-C1B	-5.28	100.95	107.17
14	H	832	CLA	C1C-C2C-C3C	-5.27	101.43	106.98
14	K	102	CLA	C1C-C2C-C3C	-5.27	101.43	106.98
14	B	814	CLA	C1D-ND-C4D	-5.27	102.61	106.31
14	H	810	CLA	O2A-CGA-O1A	-5.27	110.44	123.63
14	G	834	CLA	C1D-ND-C4D	-5.27	102.61	106.31
14	A	825	CLA	O2A-CGA-O1A	-5.27	110.44	123.63
14	Z	825	CLA	C4A-NA-C1A	5.27	109.08	106.68
14	G	813	CLA	C3B-C2B-C1B	-5.27	100.96	107.17
14	H	820	CLA	C1D-ND-C4D	-5.27	102.61	106.31
14	H	835	CLA	C1D-ND-C4D	-5.27	102.61	106.31
14	Y	803	CLA	C2D-C1D-ND	5.27	115.34	110.13
14	Z	817	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	B	813	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
17	B	842	BCR	C19-C18-C17	5.27	127.30	119.01
14	U	1002	CLA	O2A-CGA-O1A	-5.27	110.45	123.63
14	Z	831	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
14	G	823	CLA	C2C-C1C-NC	5.27	115.52	109.98
14	Z	806	CLA	O2A-CGA-O1A	-5.27	110.45	123.63
14	d	202	CLA	O2A-CGA-O1A	-5.27	109.78	123.33
14	G	812	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	K	102	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
14	H	817	CLA	C1C-C2C-C3C	-5.27	101.44	106.98
14	Y	839	CLA	C4A-NA-C1A	5.26	109.08	106.68
17	A	846	BCR	C34-C9-C8	5.26	126.13	118.09
14	Z	837	CLA	O2A-CGA-O1A	-5.26	110.46	123.63
14	B	822	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
14	Z	832	CLA	C3D-C2D-C1D	-5.26	98.65	105.83
14	Z	813	CLA	C2D-C1D-ND	5.26	115.33	110.13
14	Y	825	CLA	C3B-C2B-C1B	-5.26	100.97	107.17
17	B	844	BCR	C36-C18-C17	-5.26	114.30	122.82
14	G	823	CLA	C4A-NA-C1A	5.25	109.08	106.68
17	A	850	BCR	C36-C18-C17	-5.25	114.30	122.82
14	H	801	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	d	201	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
14	Q	202	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	G	828	CLA	C1D-ND-C4D	-5.25	102.63	106.31
14	H	814	CLA	C2C-C1C-NC	5.25	115.50	109.98
14	G	803	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	f	102	CLA	C1C-C2C-C3C	-5.25	101.46	106.98
14	Y	839	CLA	C2D-C1D-ND	5.25	115.32	110.13
14	Z	823	CLA	C3B-C2B-C1B	-5.25	100.98	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	818	CLA	O2A-CGA-O1A	-5.25	110.50	123.63
14	H	825	CLA	O2A-CGA-CBA	5.25	127.83	111.83
14	A	813	CLA	C1C-C2C-C3C	-5.24	101.46	106.98
14	Y	824	CLA	C3D-C2D-C1D	-5.24	98.67	105.83
14	Z	829	CLA	C3B-C2B-C1B	-5.24	100.99	107.17
17	A	851	BCR	C34-C9-C8	5.24	126.10	118.09
14	G	831	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	H	816	CLA	C2D-C1D-ND	5.24	115.31	110.13
14	G	813	CLA	OBD-CAD-C3D	-5.24	116.17	128.42
14	A	822	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
14	B	833	CLA	C1C-C2C-C3C	-5.24	101.47	106.98
14	Z	821	CLA	O2A-CGA-O1A	-5.24	109.86	123.33
14	G	804	CLA	C1D-ND-C4D	-5.24	102.64	106.31
14	H	836	CLA	C1D-ND-C4D	-5.24	102.64	106.31
14	G	804	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
14	Z	819	CLA	C3B-C2B-C1B	-5.24	101.00	107.17
14	K	102	CLA	C1D-ND-C4D	-5.23	102.64	106.31
17	Z	845	BCR	C36-C18-C17	-5.23	114.33	122.82
14	H	840	CLA	OBD-CAD-C3D	-5.23	116.18	128.42
14	A	820	CLA	C1C-C2C-C3C	-5.23	101.47	106.98
14	h	201	CLA	C2C-C1C-NC	5.23	115.48	109.98
14	Z	830	CLA	C2D-C1D-ND	5.23	115.30	110.13
14	H	834	CLA	C3D-C2D-C1D	-5.23	98.69	105.83
14	A	820	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	Y	812	CLA	C1D-ND-C4D	-5.23	102.64	106.31
17	A	847	BCR	C34-C9-C10	-5.23	114.34	122.82
14	G	807	CLA	O2D-CGD-CBD	5.23	120.37	111.23
14	B	817	CLA	O2A-CGA-O1A	-5.23	110.55	123.63
14	B	833	CLA	C2C-C1C-NC	5.23	115.47	109.98
14	A	834	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	H	817	CLA	O2A-CGA-CBA	5.22	127.76	111.83
14	Z	828	CLA	C1C-C2C-C3C	-5.22	101.49	106.98
14	G	829	CLA	O2D-CGD-CBD	5.22	120.36	111.23
14	H	805	CLA	C3D-C2D-C1D	-5.22	98.70	105.83
14	Y	823	CLA	O2A-CGA-O1A	-5.22	110.57	123.63
14	A	832	CLA	C1D-ND-C4D	-5.22	102.65	106.31
14	T	101	CLA	C3D-C2D-C1D	-5.22	98.71	105.83
14	Z	814	CLA	O2A-CGA-O1A	-5.22	110.57	123.63
17	B	844	BCR	C33-C5-C6	-5.22	118.79	124.48
14	B	840	CLA	C2D-C1D-ND	5.22	115.29	110.13
14	A	817	CLA	O2A-CGA-O1A	-5.22	110.58	123.63
14	H	801	CLA	C3B-C2B-C1B	-5.22	101.02	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	813	CLA	O2A-CGA-O1A	-5.22	110.58	123.63
14	G	833	CLA	C2D-C1D-ND	5.21	115.29	110.13
14	H	823	CLA	C3D-C2D-C1D	-5.21	98.72	105.83
17	Y	849	BCR	C1-C6-C7	5.21	129.79	115.65
14	H	815	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	Z	837	CLA	C4A-NA-C1A	5.21	109.06	106.68
14	A	854	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	U	1002	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
17	S	1104	BCR	C11-C10-C9	5.21	134.58	127.28
14	Y	812	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	B	805	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	Z	838	CLA	C2D-C1D-ND	5.21	115.28	110.13
14	B	817	CLA	O2A-CGA-CBA	5.21	127.71	111.83
14	Z	832	CLA	C1C-C2C-C3C	-5.21	101.50	106.98
14	Y	803	CLA	C3B-C2B-C1B	-5.21	101.03	107.17
14	A	814	CLA	C1D-ND-C4D	-5.20	102.66	106.31
17	H	844	BCR	C4-C5-C6	-5.20	115.67	122.70
14	A	842	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	A	854	CLA	C2C-C1C-NC	5.20	115.45	109.98
14	Y	826	CLA	C1D-ND-C4D	-5.20	102.66	106.31
14	A	829	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	J	102	CLA	C2C-C1C-NC	5.20	115.44	109.98
14	A	836	CLA	O2A-CGA-CBA	5.20	127.69	111.83
14	A	837	CLA	C3D-C2D-C1D	-5.20	98.73	105.83
14	Z	834	CLA	C1D-ND-C4D	-5.20	102.66	106.31
14	G	838	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	Y	803	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	B	821	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
14	G	808	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	B	820	CLA	C1C-C2C-C3C	-5.20	101.51	106.98
14	B	810	CLA	C3B-C2B-C1B	-5.20	101.04	107.17
13	G	801	CL0	C1-O2A-CGA	5.20	129.23	116.65
17	U	1005	BCR	C34-C9-C10	-5.20	114.40	122.82
14	A	836	CLA	C3D-C2D-C1D	-5.20	98.74	105.83
14	G	827	CLA	C1D-ND-C4D	-5.19	102.67	106.31
17	Y	845	BCR	C34-C9-C10	-5.19	114.40	122.82
14	Y	818	CLA	C2D-C1D-ND	5.19	115.27	110.13
14	G	810	CLA	O2D-CGD-CBD	5.19	120.31	111.23
17	Z	847	BCR	C8-C7-C6	-5.19	113.13	127.00
14	H	826	CLA	C1D-ND-C4D	-5.19	102.67	106.31
14	H	834	CLA	C2D-C1D-ND	5.19	115.26	110.13
14	Z	802	CLA	C1D-ND-C4D	-5.19	102.67	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	813	CLA	C2C-C1C-NC	5.19	115.43	109.98
17	B	846	BCR	C24-C23-C22	-5.18	118.56	126.23
14	G	806	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	G	813	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	G	842	CLA	C2D-C1D-ND	5.18	115.26	110.13
14	B	810	CLA	C2C-C1C-NC	5.18	115.43	109.98
14	B	815	CLA	C1D-ND-C4D	-5.18	102.67	106.31
14	Y	836	CLA	C3B-C2B-C1B	-5.18	101.06	107.17
14	Z	822	CLA	C4A-NA-C1A	5.18	109.04	106.68
14	A	814	CLA	O2D-CGD-CBD	5.18	120.29	111.23
14	H	830	CLA	C3D-C2D-C1D	-5.18	98.76	105.83
14	Z	819	CLA	C1D-ND-C4D	-5.18	102.68	106.31
14	H	802	CLA	C1D-ND-C4D	-5.18	102.68	106.31
14	h	201	CLA	C1C-C2C-C3C	-5.18	101.54	106.98
14	L	202	CLA	C4A-NA-C1A	5.18	109.04	106.68
14	G	852	CLA	C2C-C1C-NC	5.17	115.42	109.98
18	Y	850	LHG	O8-C23-C24	5.17	127.61	111.83
14	Z	819	CLA	C2C-C1C-NC	5.17	115.42	109.98
14	A	820	CLA	O2A-CGA-O1A	-5.17	110.69	123.63
14	G	830	CLA	O2A-CGA-O1A	-5.17	110.69	123.63
14	Z	837	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
14	A	830	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	H	812	CLA	O2D-CGD-CBD	5.17	120.27	111.23
14	F	202	CLA	C3B-C2B-C1B	-5.17	101.07	107.17
17	T	102	BCR	C23-C24-C25	-5.17	113.19	127.00
14	A	820	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	U	1006	CLA	C2D-C1D-ND	5.17	115.24	110.13
14	Z	805	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	Y	828	CLA	C2B-C1B-NB	5.17	115.69	110.33
14	H	805	CLA	C4A-NA-C1A	5.17	109.04	106.68
14	B	829	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
14	G	842	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	A	837	CLA	C1C-C2C-C3C	-5.17	101.55	106.98
14	G	814	CLA	C2C-C1C-NC	5.17	115.41	109.98
14	H	819	CLA	C1D-ND-C4D	-5.17	102.69	106.31
14	G	820	CLA	O2D-CGD-CBD	5.16	120.26	111.23
14	Z	829	CLA	O2A-CGA-O1A	-5.16	110.71	123.63
17	A	850	BCR	C34-C9-C8	5.16	125.98	118.09
14	B	803	CLA	C1C-C2C-C3C	-5.16	101.55	106.98
14	L	201	CLA	C3B-C2B-C1B	-5.16	101.09	107.17
14	A	832	CLA	C4A-NA-C1A	5.16	109.03	106.68
17	Z	848	BCR	C19-C18-C17	5.16	127.12	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	836	CLA	C1C-C2C-C3C	-5.16	101.55	106.98
14	W	1701	CLA	C3D-C2D-C1D	-5.16	98.79	105.83
17	h	207	BCR	C36-C18-C17	-5.16	114.46	122.82
14	A	825	CLA	O2A-CGA-CBA	5.16	127.55	111.83
14	Y	812	CLA	C3D-C2D-C1D	-5.16	98.80	105.83
17	H	846	BCR	C34-C9-C10	-5.15	114.47	122.82
14	Y	829	CLA	C3B-C2B-C1B	-5.15	101.09	107.17
14	A	833	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	G	815	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	Y	840	CLA	C4A-NA-C1A	5.15	109.03	106.68
14	U	1006	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
14	A	815	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	U	1004	CLA	C1C-C2C-C3C	-5.15	101.56	106.98
14	Y	819	CLA	C3D-C2D-C1D	-5.15	98.80	105.83
17	Z	848	BCR	C34-C9-C8	5.15	125.96	118.09
14	Y	811	CLA	C2C-C1C-NC	5.15	115.39	109.98
14	G	808	CLA	C3B-C2B-C1B	-5.15	101.10	107.17
14	Z	833	CLA	C2C-C1C-NC	5.15	115.39	109.98
14	H	827	CLA	O2A-CGA-O1A	-5.15	110.75	123.63
14	H	815	CLA	C2C-C1C-NC	5.15	115.39	109.98
14	Z	819	CLA	O2A-CGA-O1A	-5.15	110.75	123.63
14	Y	830	CLA	O2A-CGA-O1A	-5.15	110.76	123.63
14	G	835	CLA	C1D-ND-C4D	-5.15	102.70	106.31
14	L	204	CLA	C2D-C1D-ND	5.14	115.22	110.13
14	Y	819	CLA	C2D-C1D-ND	5.14	115.22	110.13
14	H	803	CLA	C4A-NA-C1A	5.14	109.03	106.68
14	Y	813	CLA	C4A-NA-C1A	5.14	109.03	106.68
14	B	802	CLA	C4A-NA-C1A	5.14	109.03	106.68
17	R	101	BCR	C24-C23-C22	-5.14	118.63	126.23
14	A	837	CLA	C1D-ND-C4D	-5.14	102.70	106.31
14	Y	810	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	H	822	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	G	837	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	T	103	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	A	811	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	Z	819	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	G	802	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	h	201	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
14	Z	840	CLA	C2D-C1D-ND	5.14	115.21	110.13
14	H	824	CLA	C3D-C2D-C1D	-5.14	98.82	105.83
14	A	822	CLA	C3B-C2B-C1B	-5.14	101.11	107.17
17	Q	203	BCR	C23-C24-C25	-5.14	113.28	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	838	CLA	C4A-NA-C1A	5.14	109.02	106.68
14	Y	809	CLA	C3B-C2B-C1B	-5.14	101.12	107.17
14	B	814	CLA	C2C-C1C-NC	5.13	115.38	109.98
14	H	832	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	A	807	CLA	C2C-C1C-NC	5.13	115.37	109.98
17	Y	848	BCR	C34-C9-C10	-5.13	114.50	122.82
14	B	832	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	Z	827	CLA	C3B-C2B-C1B	-5.13	101.12	107.17
14	Y	833	CLA	O2A-CGA-O1A	-5.13	110.79	123.63
14	H	826	CLA	C2C-C1C-NC	5.13	115.37	109.98
14	G	802	CLA	C4A-NA-C1A	5.13	109.02	106.68
17	Y	849	BCR	C7-C8-C9	-5.13	118.64	126.23
13	A	801	CL0	O2A-CGA-CBA	5.13	127.48	111.83
14	B	811	CLA	C1D-ND-C4D	-5.13	102.71	106.31
14	G	824	CLA	O2D-CGD-CBD	5.13	120.20	111.23
14	K	101	CLA	C2C-C1C-NC	5.13	115.37	109.98
14	J	102	CLA	C1C-C2C-C3C	-5.13	101.58	106.98
14	G	823	CLA	C3D-C2D-C1D	-5.13	98.83	105.83
14	Z	832	CLA	C1D-ND-C4D	-5.13	102.72	106.31
14	G	805	CLA	C3B-C2B-C1B	-5.13	101.13	107.17
14	X	1701	CLA	O2D-CGD-CBD	5.12	120.19	111.23
14	Z	807	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
14	H	811	CLA	C1C-C2C-C3C	-5.12	101.59	106.98
14	B	820	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
14	f	101	CLA	C3B-C2B-C1B	-5.12	101.13	107.17
14	Z	836	CLA	C2C-C1C-NC	5.12	115.36	109.98
14	Y	816	CLA	C1D-ND-C4D	-5.12	102.72	106.31
14	G	842	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	814	CLA	C3D-C2D-C1D	-5.12	98.84	105.83
14	B	832	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	A	808	CLA	C3D-C2D-C1D	-5.12	98.85	105.83
14	Y	806	CLA	O2A-CGA-CBA	5.11	127.43	111.83
17	Y	848	BCR	C34-C9-C8	5.11	125.90	118.09
17	F	203	BCR	C31-C1-C6	-5.11	102.22	110.24
14	G	820	CLA	C3B-C2B-C1B	-5.11	101.14	107.17
14	Z	825	CLA	C3B-C2B-C1B	-5.11	101.14	107.17
17	G	848	BCR	C33-C5-C6	-5.11	118.91	124.48
14	Z	817	CLA	O2A-CGA-O1A	-5.11	110.84	123.63
14	K	101	CLA	O2A-CGA-O1A	-5.11	110.19	123.33
14	H	838	CLA	C1C-C2C-C3C	-5.11	101.61	106.98
14	L	205	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	Z	816	CLA	C1C-C2C-C3C	-5.11	101.61	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	101	CLA	C3D-C2D-C1D	-5.11	98.86	105.83
14	Y	827	CLA	C2C-C1C-NC	5.10	115.34	109.98
14	A	824	CLA	C1D-ND-C4D	-5.10	102.73	106.31
14	Y	807	CLA	C2D-C1D-ND	5.10	115.18	110.13
14	T	101	CLA	C1C-C2C-C3C	-5.10	101.61	106.98
14	H	816	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	B	806	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
14	A	809	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	d	202	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	Z	835	CLA	C3B-C2B-C1B	-5.10	101.16	107.17
14	H	830	CLA	C2D-C1D-ND	5.10	115.17	110.13
14	Z	814	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
14	B	839	CLA	CAC-C3C-C4C	5.10	131.42	124.79
17	G	848	BCR	C24-C23-C22	-5.09	118.70	126.23
14	Y	841	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	H	832	CLA	C2D-C1D-ND	5.09	115.17	110.13
14	Y	811	CLA	O2A-CGA-O1A	-5.09	110.89	123.63
14	B	813	CLA	O2D-CGD-CBD	5.09	120.13	111.23
14	H	831	CLA	O2D-CGD-CBD	5.09	120.13	111.23
14	A	838	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
14	Y	826	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
14	G	806	CLA	C4A-NA-C1A	5.09	109.00	106.68
14	U	1004	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	H	817	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	Z	821	CLA	C2D-C1D-ND	5.09	115.16	110.13
14	U	1003	CLA	C2C-C1C-NC	5.09	115.33	109.98
14	B	810	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
14	U	1007	CLA	C2C-C1C-NC	5.09	115.32	109.98
14	Z	801	CLA	C3B-C2B-C1B	-5.09	101.17	107.17
14	J	101	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	Y	807	CLA	C1C-C2C-C3C	-5.08	101.63	106.98
14	Y	831	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	A	809	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	B	827	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	Y	826	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	J	101	CLA	O2D-CGD-CBD	5.08	120.12	111.23
14	Z	820	CLA	C3B-C2B-C1B	-5.08	101.18	107.17
14	g	102	CLA	C2C-C1C-NC	5.08	115.32	109.98
14	Y	814	CLA	C2D-C1D-ND	5.08	115.16	110.13
17	h	202	BCR	C36-C18-C17	-5.08	114.58	122.82
14	H	809	CLA	CAC-C3C-C4C	5.08	131.40	124.79
14	G	814	CLA	C2D-C1D-ND	5.08	115.15	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	835	CLA	C2D-C1D-ND	5.08	115.15	110.13
14	G	812	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	Z	838	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
14	A	836	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	B	808	CLA	C4A-NA-C1A	5.08	109.00	106.68
14	G	805	CLA	O2D-CGD-CBD	5.08	120.11	111.23
14	h	206	CLA	O2A-CGA-O1A	-5.08	110.93	123.63
14	G	805	CLA	C2C-C1C-NC	5.08	115.31	109.98
14	B	829	CLA	O2D-CGD-CBD	5.08	120.11	111.23
14	Z	804	CLA	C3B-C2B-C1B	-5.08	101.19	107.17
14	F	202	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	Y	813	CLA	C2C-C1C-NC	5.08	115.31	109.98
14	B	818	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
17	R	101	BCR	C34-C9-C10	-5.08	114.59	122.82
14	S	1103	CLA	C1D-ND-C4D	-5.08	102.75	106.31
14	G	840	CLA	C1C-C2C-C3C	-5.07	101.64	106.98
14	G	830	CLA	C4A-NA-C1A	5.07	108.99	106.68
14	H	851	CLA	O2A-CGA-CBA	5.07	127.30	111.83
14	Y	818	CLA	O2A-CGA-CBA	5.07	127.30	111.83
14	X	1701	CLA	O2A-CGA-O1A	-5.07	110.29	123.33
14	G	808	CLA	O2A-CGA-O1A	-5.07	110.94	123.63
17	Z	850	BCR	C34-C9-C8	5.07	125.84	118.09
14	A	803	CLA	O2D-CGD-CBD	5.07	120.09	111.23
17	f	103	BCR	C36-C18-C17	-5.07	114.60	122.82
14	Z	834	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
14	Z	828	CLA	C3B-C2B-C1B	-5.07	101.19	107.17
14	Y	834	CLA	C1D-ND-C4D	-5.07	102.76	106.31
14	Z	833	CLA	O2A-CGA-O1A	-5.07	110.95	123.63
14	h	204	CLA	C2D-C1D-ND	5.07	115.14	110.13
14	Z	815	CLA	C3B-C2B-C1B	-5.07	101.20	107.17
14	H	816	CLA	C4A-NA-C1A	5.07	108.99	106.68
14	H	806	CLA	O2A-CGA-O1A	-5.07	110.96	123.63
14	B	830	CLA	C3B-C2B-C1B	-5.06	101.20	107.17
14	G	837	CLA	C1D-ND-C4D	-5.06	102.76	106.31
14	A	819	CLA	C4A-NA-C1A	5.06	108.99	106.68
14	J	101	CLA	C3D-C2D-C1D	-5.06	98.92	105.83
14	G	812	CLA	C1C-C2C-C3C	-5.06	101.66	106.98
14	G	819	CLA	C1D-ND-C4D	-5.06	102.76	106.31
14	H	811	CLA	C2C-C1C-NC	5.06	115.30	109.98
14	Y	821	CLA	C2D-C1D-ND	5.06	115.13	110.13
14	B	832	CLA	C1C-C2C-C3C	-5.06	101.66	106.98
14	Z	817	CLA	C1C-C2C-C3C	-5.06	101.66	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	826	CLA	CAC-C3C-C4C	5.06	131.37	124.79
14	B	828	CLA	O2D-CGD-CBD	5.05	120.07	111.23
14	h	205	CLA	O2D-CGD-CBD	5.05	120.07	111.23
17	Y	846	BCR	C34-C9-C10	-5.05	114.63	122.82
14	F	202	CLA	O2A-CGA-O1A	-5.05	110.33	123.33
14	H	823	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	d	202	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	B	834	CLA	O2A-CGA-O1A	-5.05	110.34	123.33
14	A	818	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	B	831	CLA	C3B-C2B-C1B	-5.05	101.22	107.17
17	Y	849	BCR	C28-C27-C26	-5.05	105.05	114.06
14	B	812	CLA	CAC-C3C-C4C	5.05	131.36	124.79
14	Y	821	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	B	840	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	Y	824	CLA	O2A-CGA-O1A	-5.05	111.00	123.63
14	Y	815	CLA	C2D-C1D-ND	5.05	115.12	110.13
17	I	102	BCR	C34-C9-C8	5.05	125.80	118.09
14	A	820	CLA	C3D-C2D-C1D	-5.05	98.94	105.83
14	B	807	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	H	827	CLA	C1D-ND-C4D	-5.05	102.77	106.31
14	B	813	CLA	C2C-C1C-NC	5.05	115.28	109.98
14	A	841	CLA	C2D-C1D-ND	5.04	115.12	110.13
14	H	812	CLA	C1C-C2C-C3C	-5.04	101.67	106.98
14	G	812	CLA	O2A-CGA-O1A	-5.04	111.01	123.63
14	H	828	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	A	804	CLA	O2A-CGA-O1A	-5.04	111.01	123.63
14	W	1701	CLA	O2A-CGA-O1A	-5.04	110.36	123.33
17	i	101	BCR	C27-C26-C25	-5.04	115.89	122.70
14	G	806	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	A	805	CLA	C4A-NA-C1A	5.04	108.98	106.68
14	Z	834	CLA	C4A-NA-C1A	5.04	108.98	106.68
14	Y	820	CLA	C2C-C1C-NC	5.04	115.28	109.98
14	Z	813	CLA	C3D-C2D-C1D	-5.04	98.95	105.83
14	Z	831	CLA	C2C-C1C-NC	5.04	115.28	109.98
14	A	802	CLA	C1C-C2C-C3C	-5.04	101.68	106.98
14	Z	813	CLA	O2A-CGA-O1A	-5.04	110.38	123.33
14	A	825	CLA	C1D-ND-C4D	-5.04	102.78	106.31
14	Y	802	CLA	C1C-C2C-C3C	-5.04	101.68	106.98
14	A	814	CLA	C4A-NA-C1A	5.03	108.98	106.68
14	f	102	CLA	O2A-CGA-O1A	-5.03	111.04	123.63
14	G	820	CLA	O2A-CGA-O1A	-5.03	111.04	123.63
14	B	814	CLA	C2D-C1D-ND	5.03	115.11	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	101	CLA	C3B-C2B-C1B	-5.03	101.24	107.17
14	Z	827	CLA	C2D-C1D-ND	5.03	115.10	110.13
14	Y	822	CLA	O2A-CGA-CBA	5.03	127.17	111.83
14	B	818	CLA	C1C-C2C-C3C	-5.03	101.69	106.98
14	Z	818	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
14	G	813	CLA	O2A-CGA-O1A	-5.03	111.06	123.63
14	B	809	CLA	O2A-CGA-O1A	-5.02	111.06	123.63
14	Y	837	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
14	Y	803	CLA	C1D-ND-C4D	-5.02	102.79	106.31
17	A	850	BCR	C34-C9-C10	-5.02	114.68	122.82
14	G	817	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	G	814	CLA	C1C-C2C-C3C	-5.02	101.70	106.98
14	Y	809	CLA	C2D-C1D-ND	5.02	115.10	110.13
14	Y	805	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	G	840	CLA	C2C-C1C-NC	5.02	115.26	109.98
14	H	838	CLA	C2D-C1D-ND	5.02	115.09	110.13
14	B	836	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
14	Y	834	CLA	O2A-CGA-O1A	-5.02	110.42	123.33
17	A	847	BCR	C8-C7-C6	-5.02	113.59	127.00
14	B	827	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	Z	821	CLA	C1D-ND-C4D	-5.02	102.79	106.31
14	B	815	CLA	C3B-C2B-C1B	-5.02	101.25	107.17
14	B	810	CLA	O2A-CGA-O1A	-5.02	111.08	123.63
14	Y	830	CLA	C3B-C2B-C1B	-5.02	101.26	107.17
14	G	820	CLA	C3D-C2D-C1D	-5.02	98.99	105.83
14	Y	824	CLA	C4A-NA-C1A	5.02	108.97	106.68
14	G	811	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
14	G	831	CLA	C2C-C1C-NC	5.01	115.25	109.98
14	f	102	CLA	C1D-ND-C4D	-5.01	102.80	106.31
14	H	809	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	U	1003	CLA	C3B-C2B-C1B	-5.01	101.26	107.17
17	B	844	BCR	C34-C9-C8	5.01	125.74	118.09
14	S	1102	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
14	A	836	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
14	Z	809	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
14	A	806	CLA	C2C-C1C-NC	5.01	115.24	109.98
14	B	810	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
17	G	848	BCR	C36-C18-C17	-5.01	114.70	122.82
14	G	821	CLA	C1C-C2C-C3C	-5.01	101.71	106.98
17	Z	845	BCR	C24-C23-C22	-5.01	118.83	126.23
14	A	839	CLA	C3D-C2D-C1D	-5.01	99.00	105.83
14	A	835	CLA	C1C-C2C-C3C	-5.00	101.72	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	808	CLA	C1D-ND-C4D	-5.00	102.80	106.31
14	h	205	CLA	C3B-C2B-C1B	-5.00	101.27	107.17
14	H	826	CLA	O2D-CGD-CBD	5.00	119.98	111.23
14	G	811	CLA	O2A-CGA-O1A	-5.00	111.11	123.63
14	H	835	CLA	C3D-C2D-C1D	-5.00	99.00	105.83
14	Y	816	CLA	O2A-CGA-O1A	-5.00	111.12	123.63
14	A	806	CLA	C2D-C1D-ND	5.00	115.08	110.13
14	G	839	CLA	C3B-C2B-C1B	-5.00	101.28	107.17
14	G	839	CLA	C2C-C1C-NC	5.00	115.23	109.98
14	B	833	CLA	C1D-ND-C4D	-5.00	102.80	106.31
14	Y	807	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	h	201	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	Z	822	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	H	819	CLA	C2D-C1D-ND	5.00	115.07	110.13
14	f	102	CLA	C3D-C2D-C1D	-5.00	99.01	105.83
14	Z	826	CLA	O2A-CGA-CBA	5.00	127.07	111.83
17	J	103	BCR	C38-C26-C25	5.00	129.94	124.48
14	Z	829	CLA	O2D-CGD-CBD	5.00	119.96	111.23
14	B	822	CLA	C2C-C1C-NC	4.99	115.23	109.98
14	H	823	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	Y	806	CLA	C2C-C1C-NC	4.99	115.23	109.98
14	Z	836	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	Z	813	CLA	C4A-NA-C1A	4.99	108.96	106.68
17	S	1104	BCR	C30-C25-C26	-4.99	115.82	122.64
14	A	827	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	B	827	CLA	C3B-C2B-C1B	-4.99	101.29	107.17
14	G	831	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	f	102	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	Z	823	CLA	C1C-C2C-C3C	-4.99	101.73	106.98
14	H	817	CLA	O2D-CGD-CBD	4.99	119.95	111.23
14	Z	826	CLA	O2D-CGD-CBD	4.99	119.95	111.23
17	Z	850	BCR	C15-C14-C13	-4.99	120.28	127.28
14	G	824	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	A	828	CLA	C3D-C2D-C1D	-4.99	99.03	105.83
17	A	847	BCR	C30-C25-C26	-4.99	115.82	122.64
14	G	809	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	G	823	CLA	C2D-C1D-ND	4.99	115.06	110.13
14	Z	816	CLA	C2C-C1C-NC	4.99	115.22	109.98
14	Q	202	CLA	O2D-CGD-CBD	4.98	119.94	111.23
14	B	823	CLA	C4A-NA-C1A	4.98	108.95	106.68
14	A	854	CLA	C1D-ND-C4D	-4.98	102.81	106.31
17	H	845	BCR	C23-C24-C25	-4.98	113.69	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
14	H	833	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
14	U	1006	CLA	O2A-CGA-O1A	-4.98	111.17	123.63
14	G	842	CLA	O2A-CGA-O1A	-4.98	111.17	123.63
14	H	804	CLA	O1D-CGD-CBD	-4.98	114.70	124.52
14	A	832	CLA	C2D-C1D-ND	4.98	115.05	110.13
17	Z	847	BCR	C36-C18-C17	-4.98	114.75	122.82
14	A	828	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
14	Z	817	CLA	C2C-C1C-NC	4.98	115.21	109.98
14	L	201	CLA	O2D-CGD-CBD	4.98	119.93	111.23
14	Y	815	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
14	H	837	CLA	C3B-C2B-C1B	-4.98	101.30	107.17
14	h	204	CLA	C3D-C2D-C1D	-4.98	99.04	105.83
17	Y	848	BCR	C33-C5-C6	-4.98	119.06	124.48
14	H	831	CLA	O2A-CGA-O1A	-4.97	111.18	123.63
17	A	851	BCR	C31-C1-C6	-4.97	102.45	110.24
14	Z	801	CLA	O2A-C1-C2	4.97	127.24	108.11
14	Z	841	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	H	821	CLA	C1D-ND-C4D	-4.97	102.82	106.31
14	Z	801	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	B	822	CLA	O2A-CGA-O1A	-4.97	111.19	123.63
14	G	835	CLA	O2A-CGA-O1A	-4.97	110.55	123.33
14	Z	803	CLA	C1C-C2C-C3C	-4.97	101.75	106.98
14	A	803	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
14	Y	840	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
17	B	844	BCR	C8-C7-C6	-4.97	113.73	127.00
14	d	201	CLA	C2D-C1D-ND	4.97	115.04	110.13
14	H	836	CLA	C2C-C1C-NC	4.97	115.20	109.98
14	A	811	CLA	C1D-ND-C4D	-4.97	102.83	106.31
14	A	834	CLA	C1C-C2C-C3C	-4.97	101.76	106.98
14	H	829	CLA	C3B-C2B-C1B	-4.97	101.32	107.17
14	T	103	CLA	C2D-C1D-ND	4.97	115.04	110.13
14	B	817	CLA	C2C-C1C-NC	4.96	115.19	109.98
14	Y	816	CLA	C3D-C2D-C1D	-4.96	99.06	105.83
14	Z	836	CLA	C4A-NA-C1A	4.96	108.94	106.68
17	Z	850	BCR	C23-C24-C25	-4.96	113.74	127.00
14	Y	822	CLA	C2D-C1D-ND	4.96	115.04	110.13
14	G	812	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
14	H	835	CLA	C2D-C1D-ND	4.96	115.04	110.13
14	g	101	CLA	C3B-C2B-C1B	-4.96	101.32	107.17
14	Y	810	CLA	C4A-NA-C1A	4.96	108.94	106.68
14	Y	809	CLA	C1C-C2C-C3C	-4.96	101.76	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	839	CLA	C2C-C1C-NC	4.96	115.19	109.98
17	H	847	BCR	C8-C7-C6	-4.96	113.75	127.00
14	G	823	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
17	A	851	BCR	C32-C1-C6	4.96	118.02	110.24
14	Z	826	CLA	C3B-C2B-C1B	-4.96	101.33	107.17
14	Z	830	CLA	C1D-ND-C4D	-4.96	102.83	106.31
17	G	848	BCR	C34-C9-C8	4.96	125.66	118.09
14	f	101	CLA	O2A-CGA-O1A	-4.95	110.59	123.33
17	S	1105	BCR	C34-C9-C10	-4.95	114.79	122.82
14	L	204	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
14	B	834	CLA	C3B-C2B-C1B	-4.95	101.33	107.17
14	Z	821	CLA	C3D-C2D-C1D	-4.95	99.07	105.83
14	Y	835	CLA	C1C-C2C-C3C	-4.95	101.77	106.98
14	Z	802	CLA	C4A-NA-C1A	4.95	108.94	106.68
14	G	841	CLA	C3B-C2B-C1B	-4.95	101.33	107.17
17	Z	850	BCR	C19-C18-C17	4.95	126.80	119.01
14	H	825	CLA	C1D-ND-C4D	-4.95	102.84	106.31
14	U	1004	CLA	C4A-NA-C1A	4.95	108.94	106.68
14	Y	809	CLA	C3D-C2D-C1D	-4.95	99.08	105.83
14	Z	802	CLA	O2A-CGA-O1A	-4.95	111.25	123.63
14	G	818	CLA	O2A-CGA-CBA	4.95	126.92	111.83
14	G	832	CLA	C3B-C2B-C1B	-4.95	101.34	107.17
14	H	811	CLA	O2D-CGD-CBD	4.95	119.88	111.23
14	Z	803	CLA	C2C-C1C-NC	4.95	115.18	109.98
14	H	835	CLA	O2D-CGD-CBD	4.95	119.88	111.23
14	B	822	CLA	C1D-ND-C4D	-4.95	102.84	106.31
14	Y	835	CLA	C2C-C1C-NC	4.95	115.18	109.98
14	L	204	CLA	C4A-NA-C1A	4.94	108.94	106.68
14	G	821	CLA	C2D-C1D-ND	4.94	115.02	110.13
14	G	836	CLA	OBD-CAD-C3D	-4.94	116.87	128.42
14	A	818	CLA	C1C-C2C-C3C	-4.94	101.78	106.98
14	Y	814	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
14	A	803	CLA	OBD-CAD-C3D	-4.94	116.87	128.42
14	Z	815	CLA	C1D-ND-C4D	-4.94	102.85	106.31
14	H	805	CLA	C2D-C1D-ND	4.94	115.01	110.13
17	B	850	BCR	C24-C23-C22	-4.94	118.93	126.23
14	Y	834	CLA	C3B-C2B-C1B	-4.94	101.35	107.17
14	A	841	CLA	C3D-C2D-C1D	-4.94	99.10	105.83
14	Y	814	CLA	O2A-CGA-CBA	4.93	126.88	111.83
14	H	834	CLA	O2A-CGA-O1A	-4.93	110.64	123.33
14	A	806	CLA	O2D-CGD-CBD	4.93	119.85	111.23
14	Y	820	CLA	O2A-CGA-O1A	-4.93	111.29	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	830	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
17	A	849	BCR	C36-C18-C17	-4.93	114.83	122.82
14	Z	813	CLA	C1D-ND-C4D	-4.93	102.85	106.31
14	A	815	CLA	CAA-C2A-C3A	-4.93	99.68	113.00
14	B	834	CLA	C2C-C1C-NC	4.93	115.16	109.98
14	G	803	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	A	824	CLA	C3B-C2B-C1B	-4.93	101.36	107.17
14	Y	807	CLA	O2A-CGA-O1A	-4.93	111.30	123.63
14	H	816	CLA	O2A-CGA-O1A	-4.93	111.31	123.63
14	G	809	CLA	C3D-C2D-C1D	-4.93	99.11	105.83
14	A	811	CLA	O2A-CGA-O1A	-4.93	110.67	123.33
14	Z	802	CLA	O2D-CGD-CBD	4.92	119.84	111.23
14	Z	801	CLA	C1C-C2C-C3C	-4.92	101.80	106.98
14	Y	826	CLA	C2D-C1D-ND	4.92	115.00	110.13
17	M	101	BCR	C40-C30-C25	4.92	117.96	110.24
14	U	1002	CLA	O2A-CGA-CBA	4.92	126.84	111.83
14	Z	824	CLA	O2A-CGA-O1A	-4.92	111.32	123.63
14	A	822	CLA	C2C-C1C-NC	4.92	115.15	109.98
14	H	812	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	H	802	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	Z	836	CLA	C3B-C2B-C1B	-4.92	101.37	107.17
14	H	826	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
17	Y	849	BCR	C4-C5-C6	-4.92	116.06	122.70
14	U	1007	CLA	C1D-ND-C4D	-4.92	102.86	106.31
14	Z	834	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	G	836	CLA	O2A-CGA-O1A	-4.92	111.33	123.63
14	G	853	CLA	C3D-C2D-C1D	-4.92	99.12	105.83
14	Y	818	CLA	C2C-C1C-NC	4.92	115.14	109.98
14	f	101	CLA	C2C-C1C-NC	4.91	115.14	109.98
14	Y	828	CLA	O2A-CGA-O1A	-4.91	111.34	123.63
17	e	101	BCR	C23-C24-C25	-4.91	113.88	127.00
14	H	851	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	Z	838	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
14	G	819	CLA	C4A-NA-C1A	4.91	108.92	106.68
14	H	819	CLA	C3B-C2B-C1B	-4.91	101.38	107.17
14	U	1006	CLA	C1D-ND-C4D	-4.91	102.87	106.31
17	F	201	BCR	C34-C9-C8	4.91	125.58	118.09
14	Z	823	CLA	O2A-CGA-O1A	-4.91	111.35	123.63
14	Z	820	CLA	C3D-C2D-C1D	-4.91	99.14	105.83
14	A	854	CLA	C3D-C2D-C1D	-4.91	99.14	105.83
14	Y	820	CLA	C1C-C2C-C3C	-4.91	101.82	106.98
14	Z	813	CLA	C1C-C2C-C3C	-4.91	101.82	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	822	CLA	O2A-CGA-O1A	-4.91	111.36	123.63
14	H	808	CLA	C1D-ND-C4D	-4.91	102.87	106.31
14	h	204	CLA	C1C-C2C-C3C	-4.91	101.82	106.98
14	H	831	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
14	G	829	CLA	C1C-C2C-C3C	-4.90	101.82	106.98
14	Y	819	CLA	C1C-C2C-C3C	-4.90	101.82	106.98
14	A	812	CLA	C3D-C2D-C1D	-4.90	99.14	105.83
14	Z	815	CLA	O2A-CGA-O1A	-4.90	111.36	123.63
14	G	822	CLA	C3B-C2B-C1B	-4.90	101.39	107.17
17	Q	201	BCR	C37-C22-C21	-4.90	114.87	122.82
14	B	805	CLA	O2A-CGA-O1A	-4.90	111.37	123.63
14	h	206	CLA	C2C-C1C-NC	4.90	115.13	109.98
14	Z	833	CLA	C1C-C2C-C3C	-4.90	101.83	106.98
14	G	817	CLA	O2D-CGD-CBD	4.90	119.79	111.23
14	G	837	CLA	O2A-CGA-O1A	-4.90	111.38	123.63
14	B	835	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
14	A	816	CLA	C1C-C2C-C3C	-4.90	101.83	106.98
14	H	804	CLA	O2A-CGA-O1A	-4.90	111.38	123.63
14	L	202	CLA	C1C-C2C-C3C	-4.90	101.83	106.98
14	Z	840	CLA	C1C-C2C-C3C	-4.89	101.83	106.98
14	G	832	CLA	C2D-C1D-ND	4.89	114.97	110.13
14	G	807	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	A	821	CLA	C3B-C2B-C1B	-4.89	101.40	107.17
14	A	815	CLA	O2A-CGA-O1A	-4.89	111.39	123.63
14	B	809	CLA	CAC-C3C-C4C	4.89	131.15	124.79
14	Y	808	CLA	C1C-C2C-C3C	-4.89	101.84	106.98
17	i	101	BCR	C15-C14-C13	-4.89	120.42	127.28
14	Z	808	CLA	C2D-C1D-ND	4.89	114.96	110.13
14	T	103	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	Y	818	CLA	C1D-ND-C4D	-4.89	102.88	106.31
14	A	808	CLA	O2A-CGA-O1A	-4.89	111.41	123.63
14	H	828	CLA	C1C-C2C-C3C	-4.89	101.84	106.98
14	A	839	CLA	O2A-CGA-O1A	-4.89	111.41	123.63
14	L	205	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	g	102	CLA	C3B-C2B-C1B	-4.89	101.41	107.17
14	B	832	CLA	C2C-C1C-NC	4.88	115.11	109.98
14	B	821	CLA	O2D-CGD-CBD	4.88	119.77	111.23
14	G	812	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	U	1003	CLA	C2D-C1D-ND	4.88	114.96	110.13
14	Y	821	CLA	C2C-C1C-NC	4.88	115.11	109.98
17	T	102	BCR	C34-C9-C10	-4.88	114.91	122.82
14	G	836	CLA	C3D-C2D-C1D	-4.88	99.17	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	822	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
14	A	810	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	U	1002	CLA	C1D-ND-C4D	-4.88	102.89	106.31
14	Z	832	CLA	O2D-CGD-CBD	4.88	119.76	111.23
14	A	831	CLA	C2D-C1D-ND	4.88	114.95	110.13
14	Z	839	CLA	C3D-C2D-C1D	-4.88	99.18	105.83
14	Y	811	CLA	C3B-C2B-C1B	-4.88	101.42	107.17
14	H	810	CLA	C2C-C1C-NC	4.88	115.10	109.98
14	B	815	CLA	C3D-C2D-C1D	-4.88	99.18	105.83
14	B	816	CLA	C2D-C1D-ND	4.88	114.95	110.13
14	A	807	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
14	G	824	CLA	O2A-CGA-O1A	-4.87	111.44	123.63
14	G	802	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
17	H	850	BCR	C37-C22-C21	-4.87	114.92	122.82
14	H	821	CLA	C3B-C2B-C1B	-4.87	101.43	107.17
14	Y	827	CLA	C3B-C2B-C1B	-4.87	101.43	107.17
14	L	201	CLA	O2A-CGA-O1A	-4.87	111.44	123.63
14	Y	836	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	A	817	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
14	B	814	CLA	C4A-NA-C1A	4.87	108.90	106.68
14	G	838	CLA	C1D-ND-C4D	-4.87	102.89	106.31
14	H	818	CLA	C2D-C1D-ND	4.87	114.94	110.13
17	V	101	BCR	C34-C9-C8	4.87	125.53	118.09
14	X	1701	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	T	101	CLA	O2A-CGA-O1A	-4.87	110.82	123.33
14	A	822	CLA	C1C-C2C-C3C	-4.87	101.86	106.98
14	Y	812	CLA	O2D-CGD-CBD	4.87	119.74	111.23
17	A	848	BCR	C28-C27-C26	-4.86	105.38	114.06
14	Y	814	CLA	C3D-C2D-C1D	-4.86	99.19	105.83
14	Y	807	CLA	C2C-C1C-NC	4.86	115.09	109.98
14	h	201	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	B	815	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	G	824	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
14	G	827	CLA	O2D-CGD-CBD	4.86	119.73	111.23
14	T	103	CLA	C1D-ND-C4D	-4.86	102.90	106.31
14	B	829	CLA	C2D-C1D-ND	4.86	114.94	110.13
14	S	1103	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	G	829	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
14	A	841	CLA	C3B-C2B-C1B	-4.86	101.44	107.17
17	G	849	BCR	C1-C6-C7	4.86	128.82	115.65
14	G	807	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
14	B	818	CLA	C3B-C2B-C1B	-4.85	101.45	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	822	CLA	C2D-C1D-ND	4.85	114.93	110.13
14	U	1003	CLA	O2A-CGA-O1A	-4.85	111.49	123.63
14	H	820	CLA	C3B-C2B-C1B	-4.85	101.45	107.17
14	G	834	CLA	C1C-C2C-C3C	-4.85	101.88	106.98
17	I	101	BCR	C34-C9-C10	-4.85	114.96	122.82
17	h	207	BCR	C34-C9-C8	4.85	125.49	118.09
14	B	810	CLA	C2D-C1D-ND	4.85	114.92	110.13
14	Y	823	CLA	C4A-NA-C1A	4.85	108.89	106.68
14	B	823	CLA	C2D-C1D-ND	4.85	114.92	110.13
14	L	205	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	B	811	CLA	C4A-NA-C1A	4.84	108.89	106.68
14	A	809	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
17	B	843	BCR	C34-C9-C8	4.84	125.49	118.09
14	H	834	CLA	C3B-C2B-C1B	-4.84	101.46	107.17
14	A	833	CLA	O2A-CGA-CBA	4.84	126.60	111.83
14	B	827	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
17	G	849	BCR	C32-C1-C6	4.84	117.84	110.24
14	A	814	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	Y	822	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
14	B	828	CLA	C2D-C1D-ND	4.84	114.92	110.13
14	G	810	CLA	C3D-C2D-C1D	-4.84	99.22	105.83
14	A	831	CLA	C1D-ND-C4D	-4.84	102.92	106.31
14	H	802	CLA	C2C-C1C-NC	4.84	115.07	109.98
17	B	850	BCR	C3-C4-C5	-4.84	105.42	114.06
17	S	1105	BCR	C34-C9-C8	4.84	125.48	118.09
14	j	102	CLA	C1D-ND-C4D	-4.84	102.92	106.31
14	G	827	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	Y	836	CLA	C4A-NA-C1A	4.84	108.89	106.68
14	G	830	CLA	O2A-C1-C2	4.84	126.72	108.11
17	M	101	BCR	C37-C22-C21	-4.84	114.98	122.82
14	H	836	CLA	C3B-C2B-C1B	-4.84	101.47	107.17
14	H	818	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	G	818	CLA	O2A-CGA-O1A	-4.84	111.53	123.63
14	Y	829	CLA	C1C-C2C-C3C	-4.84	101.89	106.98
14	H	813	CLA	C3D-C2D-C1D	-4.84	99.23	105.83
14	Z	810	CLA	C1D-ND-C4D	-4.83	102.92	106.31
14	A	826	CLA	C3B-C2B-C1B	-4.83	101.47	107.17
14	A	837	CLA	C3B-C2B-C1B	-4.83	101.47	107.17
17	U	1009	BCR	C33-C5-C6	-4.83	119.21	124.48
17	H	845	BCR	C37-C22-C21	-4.83	114.99	122.82
14	B	817	CLA	C3D-C2D-C1D	-4.83	99.24	105.83
14	Z	807	CLA	C2D-C1D-ND	4.83	114.91	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	818	CLA	C1C-C2C-C3C	-4.83	101.90	106.98
14	B	805	CLA	C1D-ND-C4D	-4.83	102.92	106.31
14	L	201	CLA	C4A-NA-C1A	4.83	108.88	106.68
14	L	206	CLA	O2D-CGD-CBD	4.83	119.67	111.23
14	B	823	CLA	C3B-C2B-C1B	-4.83	101.48	107.17
14	B	837	CLA	O2D-CGD-CBD	4.82	119.67	111.23
14	Z	839	CLA	O2A-CGA-O1A	-4.82	110.92	123.33
13	A	801	CL0	C3B-C2B-C1B	-4.82	101.48	107.17
14	X	1701	CLA	C3B-C2B-C1B	-4.82	101.48	107.17
14	S	1101	CLA	C2C-C1C-NC	4.82	115.05	109.98
14	B	808	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	B	812	CLA	C2D-C1D-ND	4.82	114.90	110.13
14	G	825	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	L	206	CLA	C2B-C1B-NB	4.82	115.32	110.33
14	A	827	CLA	C4A-NA-C1A	4.82	108.88	106.68
14	A	835	CLA	C2D-C1D-ND	4.82	114.89	110.13
14	H	805	CLA	C1D-ND-C4D	-4.82	102.93	106.31
14	H	808	CLA	C1C-C2C-C3C	-4.82	101.92	106.98
14	A	842	CLA	O2A-CGA-CBA	4.82	126.52	111.83
14	B	819	CLA	C3D-C2D-C1D	-4.82	99.26	105.83
14	A	827	CLA	C3B-C2B-C1B	-4.82	101.49	107.17
14	G	841	CLA	C3D-C2D-C1D	-4.81	99.26	105.83
14	A	839	CLA	C2C-C1C-NC	4.81	115.04	109.98
14	Y	835	CLA	C4A-NA-C1A	4.81	108.88	106.68
17	H	844	BCR	C34-C9-C8	4.81	125.44	118.09
14	H	819	CLA	C3D-C2D-C1D	-4.81	99.27	105.83
14	Y	810	CLA	C3B-C2B-C1B	-4.81	101.50	107.17
14	A	854	CLA	C2D-C1D-ND	4.81	114.89	110.13
14	Z	834	CLA	C2D-C1D-ND	4.81	114.89	110.13
17	i	101	BCR	C19-C18-C17	4.81	126.57	119.01
17	B	850	BCR	C34-C9-C8	4.81	125.43	118.09
14	L	202	CLA	C2C-C1C-NC	4.81	115.03	109.98
14	G	836	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
14	A	815	CLA	C2C-C1C-NC	4.80	115.03	109.98
14	Y	837	CLA	C1D-ND-C4D	-4.80	102.94	106.31
14	Y	811	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	L	206	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
14	Z	812	CLA	C3B-C2B-C1B	-4.80	101.51	107.17
14	Z	827	CLA	O2D-CGD-CBD	4.80	119.62	111.23
14	G	813	CLA	C1C-C2C-C3C	-4.80	101.93	106.98
14	L	206	CLA	C1C-C2C-C3C	-4.80	101.93	106.98
14	Z	807	CLA	O2A-CGA-O1A	-4.80	111.63	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	840	CLA	C1C-C2C-C3C	-4.80	101.94	106.98
17	Q	201	BCR	C36-C18-C17	-4.80	115.05	122.82
14	G	802	CLA	C2D-C1D-ND	4.79	114.87	110.13
14	G	834	CLA	C2D-C1D-ND	4.79	114.87	110.13
14	Y	840	CLA	O2A-CGA-CBA	4.79	126.45	111.83
14	A	826	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	Z	805	CLA	C1D-ND-C4D	-4.79	102.95	106.31
14	G	816	CLA	O2D-CGD-CBD	4.79	119.61	111.23
14	H	811	CLA	OBD-CAD-C3D	-4.79	117.21	128.42
14	Z	819	CLA	C3D-C2D-C1D	-4.79	99.29	105.83
14	B	818	CLA	O2A-CGA-O1A	-4.79	111.64	123.63
14	G	830	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
14	Y	838	CLA	C3B-C2B-C1B	-4.79	101.52	107.17
14	A	832	CLA	C2C-C1C-NC	4.79	115.01	109.98
14	Z	804	CLA	C2C-C1C-NC	4.79	115.01	109.98
14	B	809	CLA	O2A-CGA-CBA	4.79	126.43	111.83
14	B	837	CLA	O2A-CGA-O1A	-4.79	111.65	123.63
14	H	839	CLA	O2A-CGA-O1A	-4.79	111.66	123.63
14	Z	822	CLA	O2A-CGA-O1A	-4.79	111.02	123.33
14	H	813	CLA	C1C-C2C-C3C	-4.79	101.95	106.98
14	A	817	CLA	C2D-C1D-ND	4.79	114.86	110.13
14	U	1006	CLA	C1C-C2C-C3C	-4.78	101.95	106.98
14	B	814	CLA	C3B-C2B-C1B	-4.78	101.53	107.17
14	H	806	CLA	C3D-C2D-C1D	-4.78	99.30	105.83
14	A	807	CLA	C1D-ND-C4D	-4.78	102.96	106.31
14	Y	824	CLA	C2C-C1C-NC	4.78	115.00	109.98
17	H	842	BCR	C34-C9-C8	4.78	125.39	118.09
14	H	821	CLA	O2D-CGD-CBD	4.78	119.58	111.23
14	Z	829	CLA	C3D-C2D-C1D	-4.78	99.31	105.83
14	Z	812	CLA	C2D-C1D-ND	4.78	114.86	110.13
14	B	817	CLA	C3B-C2B-C1B	-4.78	101.54	107.17
14	Z	814	CLA	C3B-C2B-C1B	-4.78	101.54	107.17
14	Z	804	CLA	O2D-CGD-CBD	4.78	119.58	111.23
14	G	841	CLA	O2A-CGA-O1A	-4.78	111.68	123.63
14	B	824	CLA	C2D-C1D-ND	4.78	114.85	110.13
14	Y	811	CLA	C1D-ND-C4D	-4.78	102.96	106.31
14	A	831	CLA	C1C-C2C-C3C	-4.78	101.96	106.98
14	A	824	CLA	C2C-C1C-NC	4.78	115.00	109.98
14	G	825	CLA	O2A-CGA-O1A	-4.77	111.68	123.63
17	A	846	BCR	C37-C22-C23	4.77	125.38	118.09
14	H	833	CLA	C1D-ND-C4D	-4.77	102.96	106.31
14	h	204	CLA	C2C-C1C-NC	4.77	115.00	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	804	CLA	O2D-CGD-CBD	4.77	119.58	111.23
14	H	835	CLA	C1C-C2C-C3C	-4.77	101.96	106.98
14	f	102	CLA	C4A-NA-C1A	4.77	108.86	106.68
14	G	809	CLA	O2A-CGA-O1A	-4.77	111.69	123.63
14	A	825	CLA	C3D-C2D-C1D	-4.77	99.32	105.83
14	g	101	CLA	C1C-C2C-C3C	-4.77	101.96	106.98
17	H	846	BCR	C36-C18-C17	-4.77	115.09	122.82
14	A	816	CLA	C2C-C1C-NC	4.77	114.99	109.98
14	G	822	CLA	O2A-CGA-O1A	-4.77	111.71	123.63
14	G	816	CLA	C4A-NA-C1A	4.77	108.85	106.68
14	A	835	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
14	B	819	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	Y	824	CLA	C1C-C2C-C3C	-4.76	101.97	106.98
14	H	814	CLA	C2D-C1D-ND	4.76	114.84	110.13
14	B	801	CLA	O2A-CGA-O1A	-4.76	111.72	123.63
14	G	807	CLA	C4A-NA-C1A	4.76	108.85	106.68
17	d	203	BCR	C36-C18-C17	-4.76	115.10	122.82
14	Y	806	CLA	O2D-CGD-CBD	4.76	119.55	111.23
14	Z	822	CLA	C1D-ND-C4D	-4.76	102.97	106.31
14	G	834	CLA	C2C-C1C-NC	4.76	114.98	109.98
14	G	814	CLA	O2A-CGA-O1A	-4.76	111.73	123.63
14	H	809	CLA	C3B-C2B-C1B	-4.76	101.56	107.17
14	Y	825	CLA	C3D-C2D-C1D	-4.76	99.34	105.83
14	Y	806	CLA	C3D-C2D-C1D	-4.75	99.34	105.83
14	Z	802	CLA	OBD-CAD-C3D	-4.75	117.30	128.42
14	H	812	CLA	O2A-CGA-O1A	-4.75	111.11	123.33
14	Y	802	CLA	O2A-CGA-O1A	-4.75	111.74	123.63
14	Y	838	CLA	O2D-CGD-O1D	-4.75	114.60	123.85
14	G	811	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	A	808	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
14	L	204	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
14	Y	828	CLA	C1D-ND-C4D	-4.75	102.98	106.31
15	Z	842	PQN	C2M-C2-C3	-4.75	116.64	124.45
14	G	821	CLA	C3D-C2D-C1D	-4.75	99.35	105.83
14	Y	805	CLA	C3B-C2B-C1B	-4.75	101.57	107.17
14	B	810	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	G	830	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	B	821	CLA	O2A-CGA-O1A	-4.75	111.75	123.63
14	g	102	CLA	C1C-C2C-C3C	-4.75	101.99	106.98
14	B	821	CLA	C1D-ND-C4D	-4.75	102.98	106.31
14	G	820	CLA	C2D-C1D-ND	4.75	114.82	110.13
14	B	805	CLA	C3D-C2D-C1D	-4.75	99.35	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	825	CLA	C4A-NA-C1A	4.75	108.84	106.68
14	G	835	CLA	C4A-NA-C1A	4.75	108.84	106.68
14	F	202	CLA	C1C-C2C-C3C	-4.75	101.99	106.98
17	H	842	BCR	C24-C23-C22	-4.74	119.22	126.23
14	B	819	CLA	C2D-C1D-ND	4.74	114.82	110.13
14	H	808	CLA	C3B-C2B-C1B	-4.74	101.58	107.17
14	K	101	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
14	h	205	CLA	C4D-C3D-CAD	4.74	113.26	108.11
14	G	820	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	Y	826	CLA	O2A-CGA-O1A	-4.74	111.77	123.63
14	A	833	CLA	C3B-C2B-C1B	-4.74	101.58	107.17
14	H	832	CLA	O2D-CGD-CBD	4.74	119.51	111.23
17	B	850	BCR	C37-C22-C21	-4.74	115.14	122.82
14	S	1103	CLA	C2D-C1D-ND	4.74	114.81	110.13
14	Z	815	CLA	C4A-NA-C1A	4.74	108.84	106.68
14	g	101	CLA	C4A-NA-C1A	4.74	108.84	106.68
14	A	819	CLA	O2A-CGA-O1A	-4.74	111.78	123.63
14	H	837	CLA	O2A-CGA-O1A	-4.74	111.78	123.63
14	S	1102	CLA	C1D-ND-C4D	-4.74	102.99	106.31
14	Z	834	CLA	O2A-CGA-O1A	-4.73	111.16	123.33
14	G	831	CLA	C1D-ND-C4D	-4.73	102.99	106.31
14	Y	816	CLA	C2D-C1D-ND	4.73	114.81	110.13
17	R	102	BCR	C34-C9-C10	-4.73	115.15	122.82
14	J	101	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
14	B	836	CLA	C3B-C2B-C1B	-4.73	101.59	107.17
14	A	823	CLA	O2D-CGD-CBD	4.73	119.50	111.23
14	d	202	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	B	828	CLA	C4A-NA-C1A	4.73	108.84	106.68
14	B	822	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	G	830	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
14	A	813	CLA	O2A-CGA-O1A	-4.73	111.80	123.63
14	Z	806	CLA	C3D-C2D-C1D	-4.73	99.38	105.83
17	I	101	BCR	C19-C18-C17	4.73	126.44	119.01
14	G	830	CLA	C2D-C1D-ND	4.73	114.80	110.13
14	Z	825	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	G	841	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	H	824	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	T	101	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	Z	801	CLA	C4A-NA-C1A	4.72	108.83	106.68
14	Z	808	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	Y	813	CLA	C3B-C2B-C1B	-4.72	101.60	107.17
14	A	811	CLA	C3D-C2D-C1D	-4.72	99.39	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	843	BCR	C19-C18-C17	4.72	126.44	119.01
14	B	818	CLA	C2D-C1D-ND	4.72	114.80	110.13
14	B	812	CLA	C1C-C2C-C3C	-4.72	102.02	106.98
14	Q	202	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	Z	828	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
14	G	819	CLA	O2A-CGA-O1A	-4.72	111.82	123.63
14	A	816	CLA	O2A-CGA-O1A	-4.72	111.82	123.63
14	B	832	CLA	C4A-NA-C1A	4.72	108.83	106.68
14	G	805	CLA	CMC-C2C-C1C	4.72	132.40	125.03
14	G	810	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	Y	825	CLA	C1D-ND-C4D	-4.72	103.00	106.31
14	H	824	CLA	C3B-C2B-C1B	-4.72	101.61	107.17
14	G	819	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
14	A	813	CLA	C4A-NA-C1A	4.71	108.83	106.68
14	Z	811	CLA	C2C-C1C-NC	4.71	114.93	109.98
13	A	801	CL0	O2D-CGD-CBD	4.71	119.47	111.23
17	Z	850	BCR	C37-C22-C21	-4.71	115.18	122.82
14	B	836	CLA	O2A-CGA-O1A	-4.71	111.84	123.63
14	Z	831	CLA	C3B-C2B-C1B	-4.71	101.61	107.17
14	G	837	CLA	C3D-C2D-C1D	-4.71	99.40	105.83
14	B	817	CLA	O2D-CGD-CBD	4.71	119.46	111.23
18	Y	850	LHG	O7-C7-C8	4.71	121.67	111.48
14	B	834	CLA	O2D-CGD-CBD	4.71	119.46	111.23
17	J	103	BCR	C30-C25-C26	-4.71	116.20	122.64
17	R	102	BCR	C38-C26-C25	-4.71	119.35	124.48
14	G	818	CLA	OBD-CAD-C3D	-4.71	117.41	128.42
14	A	833	CLA	O2D-CGD-CBD	4.70	119.45	111.23
14	Y	827	CLA	C4A-NA-C1A	4.70	108.83	106.68
14	A	807	CLA	C2B-C1B-NB	4.70	115.20	110.33
14	B	811	CLA	O2A-CGA-O1A	-4.70	111.87	123.63
14	Y	840	CLA	C2C-C1C-NC	4.70	114.92	109.98
14	J	102	CLA	C4A-NA-C1A	4.70	108.82	106.68
14	A	803	CLA	O2A-CGA-O1A	-4.70	111.87	123.63
14	B	840	CLA	C2C-C1C-NC	4.70	114.92	109.98
14	B	804	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
14	A	803	CLA	C1C-C2C-C3C	-4.70	102.04	106.98
14	G	821	CLA	O2A-CGA-O1A	-4.70	111.88	123.63
14	A	828	CLA	C4A-NA-C1A	4.70	108.82	106.68
14	A	804	CLA	C1C-C2C-C3C	-4.70	102.04	106.98
14	H	807	CLA	C1C-C2C-C3C	-4.70	102.04	106.98
17	V	101	BCR	C40-C30-C25	4.70	117.61	110.24
14	Y	839	CLA	C3B-C2B-C1B	-4.70	101.64	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	819	CLA	C1D-ND-C4D	-4.69	103.02	106.31
14	Z	803	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
14	B	821	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
17	Y	847	BCR	C34-C9-C8	4.69	125.25	118.09
14	A	834	CLA	C2C-C1C-NC	4.69	114.91	109.98
14	A	804	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
14	Z	821	CLA	C1C-C2C-C3C	-4.69	102.05	106.98
14	B	817	CLA	C1D-ND-C4D	-4.69	103.02	106.31
17	e	101	BCR	C39-C30-C25	4.69	117.59	110.24
14	Z	814	CLA	O2A-CGA-CBA	4.69	126.13	111.83
14	Z	829	CLA	C1C-C2C-C3C	-4.69	102.05	106.98
14	Y	834	CLA	C4A-NA-C1A	4.69	108.82	106.68
14	A	802	CLA	C2D-C1D-ND	4.69	114.76	110.13
14	Z	838	CLA	O2A-CGA-O1A	-4.69	111.91	123.63
14	Y	840	CLA	O2A-CGA-O1A	-4.69	111.91	123.63
14	Z	801	CLA	C1-O2A-CGA	4.68	127.99	116.65
17	H	850	BCR	C34-C9-C8	4.68	125.24	118.09
14	S	1102	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	G	802	CLA	C1D-ND-C4D	-4.68	103.03	106.31
14	G	818	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
14	G	828	CLA	O2A-CGA-O1A	-4.68	111.92	123.63
14	G	832	CLA	C3D-C2D-C1D	-4.68	99.44	105.83
14	H	809	CLA	C2D-C1D-ND	4.68	114.76	110.13
14	H	818	CLA	C3B-C2B-C1B	-4.68	101.65	107.17
14	A	807	CLA	O2A-CGA-CBA	4.68	126.10	111.83
14	G	810	CLA	C2D-C1D-ND	4.68	114.75	110.13
14	B	823	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	B	835	CLA	O2A-CGA-O1A	-4.68	111.31	123.33
14	Y	830	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	h	205	CLA	C3D-C2D-C1D	-4.68	99.45	105.83
14	G	817	CLA	C3D-C2D-C1D	-4.67	99.45	105.83
14	B	823	CLA	C1D-ND-C4D	-4.67	103.03	106.31
14	L	204	CLA	O2A-CGA-CBA	4.67	126.08	111.83
14	Y	829	CLA	O2D-CGD-CBD	4.67	119.40	111.23
14	H	807	CLA	C2C-C1C-NC	4.67	114.89	109.98
14	H	838	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
14	A	835	CLA	C2C-C1C-NC	4.67	114.89	109.98
14	g	102	CLA	O2A-CGA-O1A	-4.67	111.33	123.33
14	H	808	CLA	C2D-C1D-ND	4.67	114.75	110.13
18	A	852	LHG	O7-C7-C8	4.67	121.58	111.48
17	A	848	BCR	C37-C22-C21	-4.67	115.25	122.82
14	Z	812	CLA	C3D-C2D-C1D	-4.67	99.46	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	822	CLA	C2D-C1D-ND	4.66	114.74	110.13
14	B	833	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	B	838	CLA	C3B-C2B-C1B	-4.66	101.67	107.17
13	Y	801	CL0	C3D-C2D-C1D	-4.66	99.47	105.83
14	B	816	CLA	OBD-CAD-C3D	-4.66	117.52	128.42
14	H	804	CLA	C3B-C2B-C1B	-4.66	101.68	107.17
14	A	802	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	H	814	CLA	C4A-NA-C1A	4.66	108.81	106.68
14	K	101	CLA	C4A-NA-C1A	4.66	108.81	106.68
17	G	847	BCR	C36-C18-C17	-4.66	115.27	122.82
14	A	832	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
14	Y	812	CLA	C4A-NA-C1A	4.66	108.80	106.68
14	Z	829	CLA	O2A-CGA-CBA	4.66	126.03	111.83
17	I	101	BCR	C36-C18-C17	-4.66	115.27	122.82
14	Z	836	CLA	OBD-CAD-C3D	-4.66	117.53	128.42
14	G	804	CLA	O2A-CGA-CBA	4.65	126.03	111.83
18	B	849	LHG	O7-C7-C8	4.65	121.55	111.48
14	B	820	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	Y	802	CLA	O2D-CGD-CBD	4.65	119.36	111.23
14	Y	837	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
14	A	829	CLA	C2C-C1C-NC	4.65	114.86	109.98
14	Z	824	CLA	C1C-C2C-C3C	-4.65	102.09	106.98
14	Z	824	CLA	C3D-C2D-C1D	-4.65	99.49	105.83
14	U	1004	CLA	O2D-CGD-O1D	-4.65	114.81	123.85
14	A	815	CLA	C4A-NA-C1A	4.64	108.80	106.68
14	A	823	CLA	O2A-CGA-O1A	-4.64	112.01	123.63
14	A	814	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
14	B	835	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
14	Y	831	CLA	C3B-C2B-C1B	-4.64	101.70	107.17
14	A	805	CLA	C1D-ND-C4D	-4.64	103.06	106.31
17	I	102	BCR	C23-C24-C25	-4.64	114.60	127.00
14	H	818	CLA	O2A-CGA-O1A	-4.64	112.02	123.63
14	G	812	CLA	O2D-CGD-CBD	4.64	119.34	111.23
14	B	817	CLA	C1C-C2C-C3C	-4.64	102.10	106.98
14	A	806	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
14	B	826	CLA	O2A-CGA-CBA	4.64	125.98	111.83
14	h	204	CLA	O2A-CGA-CBA	4.64	125.97	111.83
14	Z	820	CLA	C2D-C1D-ND	4.64	114.72	110.13
14	Y	818	CLA	C1C-C2C-C3C	-4.64	102.11	106.98
14	A	815	CLA	C1C-C2C-C3C	-4.63	102.11	106.98
14	Z	817	CLA	C3B-C2B-C1B	-4.63	101.71	107.17
14	A	806	CLA	C3B-C2B-C1B	-4.63	101.71	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	840	CLA	O2A-CGA-O1A	-4.63	112.04	123.63
14	G	835	CLA	C3B-C2B-C1B	-4.63	101.71	107.17
17	B	847	BCR	C37-C22-C21	-4.63	115.31	122.82
14	A	833	CLA	C2D-C1D-ND	4.63	114.71	110.13
14	G	836	CLA	C1D-ND-C4D	-4.63	103.06	106.31
14	G	840	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
14	A	824	CLA	O2A-CGA-O1A	-4.63	112.05	123.63
14	Z	820	CLA	C1D-ND-C4D	-4.63	103.06	106.31
17	B	845	BCR	C24-C23-C22	-4.63	119.39	126.23
14	H	833	CLA	C2D-C1D-ND	4.62	114.70	110.13
14	j	102	CLA	C3D-C2D-C1D	-4.62	99.52	105.83
14	Z	829	CLA	CMA-C3A-C4A	4.62	124.20	111.77
14	Y	841	CLA	C4A-NA-C1A	4.62	108.79	106.68
14	Z	825	CLA	O2A-CGA-O1A	-4.62	112.06	123.63
14	B	834	CLA	C1C-C2C-C3C	-4.62	102.12	106.98
14	A	829	CLA	O2A-CGA-O1A	-4.62	112.07	123.63
14	B	825	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	G	802	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	S	1103	CLA	O2A-CGA-CBA	4.62	125.92	111.83
14	G	815	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	B	804	CLA	O2A-CGA-O1A	-4.62	112.07	123.63
14	B	827	CLA	O2A-CGA-O1A	-4.62	112.07	123.63
14	B	802	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	G	821	CLA	C2B-C1B-NB	4.62	115.12	110.33
14	H	811	CLA	C3B-C2B-C1B	-4.62	101.72	107.17
14	Z	839	CLA	C4A-NA-C1A	4.62	108.79	106.68
14	Y	806	CLA	C1D-ND-C4D	-4.62	103.07	106.31
14	A	841	CLA	O2A-CGA-O1A	-4.62	112.08	123.63
14	Y	810	CLA	C2C-C1C-NC	4.62	114.83	109.98
14	G	834	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
14	Z	837	CLA	O2D-CGD-CBD	4.62	119.30	111.23
14	H	837	CLA	C4A-NA-C1A	4.61	108.78	106.68
14	Y	811	CLA	C4A-NA-C1A	4.61	108.78	106.68
14	G	816	CLA	C2D-C1D-ND	4.61	114.69	110.13
14	H	812	CLA	C2D-C1D-ND	4.61	114.69	110.13
17	Y	853	BCR	C34-C9-C8	4.61	125.13	118.09
14	G	819	CLA	C3B-C2B-C1B	-4.61	101.73	107.17
14	A	813	CLA	C1D-ND-C4D	-4.61	103.08	106.31
14	H	818	CLA	O2A-CGA-CBA	4.61	125.89	111.83
14	X	1701	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
14	A	805	CLA	O2A-CGA-O1A	-4.61	112.10	123.63
14	G	814	CLA	C1D-ND-C4D	-4.61	103.08	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	840	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
14	S	1102	CLA	C4A-NA-C1A	4.61	108.78	106.68
14	A	824	CLA	C1C-C2C-C3C	-4.61	102.14	106.98
14	B	811	CLA	C3B-C2B-C1B	-4.60	101.74	107.17
14	H	837	CLA	C1C-C2C-C3C	-4.60	102.14	106.98
14	Y	819	CLA	O2A-CGA-O1A	-4.60	112.11	123.63
14	Z	811	CLA	O2A-CGA-O1A	-4.60	112.11	123.63
17	G	849	BCR	C34-C9-C10	-4.60	115.36	122.82
14	K	102	CLA	O2A-CGA-O1A	-4.60	111.50	123.33
14	H	806	CLA	C2B-C1B-NB	4.60	115.10	110.33
14	d	202	CLA	O2D-CGD-CBD	4.60	119.27	111.23
14	Y	829	CLA	C1D-ND-C4D	-4.60	103.09	106.31
14	Z	815	CLA	C2D-C1D-ND	4.60	114.68	110.13
17	B	842	BCR	C36-C18-C17	-4.60	115.37	122.82
14	A	838	CLA	O2A-CGA-CBA	4.60	125.85	111.83
14	G	852	CLA	C1D-ND-C4D	-4.60	103.09	106.31
17	B	847	BCR	C38-C26-C25	-4.60	119.47	124.48
17	Y	845	BCR	C34-C9-C8	4.60	125.11	118.09
14	A	837	CLA	C2D-C1D-ND	4.60	114.67	110.13
14	Z	821	CLA	O2D-CGD-CBD	4.59	119.26	111.23
14	Y	806	CLA	C2D-C1D-ND	4.59	114.67	110.13
14	H	822	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
14	Y	834	CLA	C2D-C1D-ND	4.59	114.67	110.13
14	S	1101	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
17	H	842	BCR	C3-C4-C5	-4.59	105.87	114.06
14	Z	835	CLA	C2C-C1C-NC	4.59	114.80	109.98
14	B	814	CLA	O2A-CGA-O1A	-4.59	111.53	123.33
14	A	821	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
14	Z	803	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
14	d	202	CLA	C3B-C2B-C1B	-4.59	101.76	107.17
17	Y	846	BCR	C37-C22-C21	-4.59	115.38	122.82
14	Y	802	CLA	C3D-C2D-C1D	-4.59	99.57	105.83
17	B	847	BCR	C23-C22-C21	4.59	126.22	119.01
14	G	827	CLA	C4A-NA-C1A	4.59	108.77	106.68
14	S	1101	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	B	830	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
14	G	826	CLA	O2D-CGD-CBD	4.58	119.24	111.23
17	e	101	BCR	C34-C9-C10	-4.58	115.39	122.82
14	G	853	CLA	C1D-ND-C4D	-4.58	103.10	106.31
17	F	203	BCR	C37-C22-C21	-4.58	115.39	122.82
14	Z	813	CLA	OBD-CAD-C3D	-4.58	117.71	128.42
14	B	826	CLA	C4A-NA-C1A	4.58	108.77	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	832	CLA	C3B-C2B-C1B	-4.58	101.77	107.17
14	G	823	CLA	O2A-CGA-O1A	-4.58	112.17	123.63
14	Y	837	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	A	836	CLA	C2C-C1C-NC	4.58	114.79	109.98
14	G	831	CLA	C1C-C2C-C3C	-4.58	102.17	106.98
17	V	101	BCR	C36-C18-C17	-4.58	115.40	122.82
14	B	828	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
14	B	837	CLA	O2A-CGA-CBA	4.58	125.79	111.83
14	H	824	CLA	O2A-CGA-CBA	4.58	125.79	111.83
14	Z	811	CLA	C3B-C2B-C1B	-4.58	101.78	107.17
14	H	837	CLA	C2D-C1D-ND	4.58	114.66	110.13
14	A	819	CLA	OBD-CAD-C3D	-4.58	117.72	128.42
14	K	101	CLA	C2D-C1D-ND	4.58	114.65	110.13
14	G	830	CLA	O2A-CGA-CBA	4.57	125.78	111.83
14	A	812	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	A	837	CLA	C2C-C1C-NC	4.57	114.78	109.98
14	A	818	CLA	C2C-C1C-NC	4.57	114.78	109.98
14	A	825	CLA	C2D-C1D-ND	4.57	114.65	110.13
14	B	818	CLA	O2A-CGA-CBA	4.57	125.77	111.83
17	A	850	BCR	C30-C25-C26	-4.57	116.39	122.64
14	Z	807	CLA	C2C-C1C-NC	4.57	114.78	109.98
14	G	840	CLA	C3B-C2B-C1B	-4.57	101.78	107.17
14	B	822	CLA	C2D-C1D-ND	4.57	114.65	110.13
17	e	101	BCR	C23-C22-C21	4.57	126.19	119.01
14	B	812	CLA	C1D-ND-C4D	-4.57	103.11	106.31
14	B	824	CLA	O2A-CGA-O1A	-4.57	112.21	123.63
14	Y	826	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
14	G	838	CLA	O2D-CGD-CBD	4.56	119.21	111.23
14	B	827	CLA	O2D-CGD-CBD	4.56	119.21	111.23
14	H	827	CLA	C2C-C1C-NC	4.56	114.78	109.98
14	H	840	CLA	CAC-C3C-C2C	4.56	135.94	127.56
14	Z	821	CLA	C2C-C1C-NC	4.56	114.77	109.98
17	G	846	BCR	C7-C8-C9	-4.56	119.49	126.23
17	A	850	BCR	C8-C7-C6	-4.56	114.81	127.00
14	G	826	CLA	C1D-ND-C4D	-4.56	103.11	106.31
14	B	825	CLA	O2A-CGA-O1A	-4.56	112.22	123.63
14	g	101	CLA	O2A-CGA-O1A	-4.56	111.60	123.33
14	A	813	CLA	C2D-C1D-ND	4.56	114.64	110.13
14	U	1004	CLA	O2A-CGA-CBA	4.56	125.74	111.83
14	B	838	CLA	C1C-C2C-C3C	-4.56	102.19	106.98
14	Z	810	CLA	O2A-CGA-CBA	4.56	125.73	111.83
14	B	839	CLA	C3D-C2D-C1D	-4.56	99.61	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	846	BCR	C36-C18-C17	-4.56	115.44	122.82
14	H	840	CLA	C2C-C1C-NC	4.56	114.77	109.98
14	Y	834	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
14	Z	835	CLA	C2D-C1D-ND	4.55	114.63	110.13
14	B	824	CLA	O2A-CGA-CBA	4.55	125.72	111.83
14	B	811	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
14	Z	835	CLA	C1C-C2C-C3C	-4.55	102.19	106.98
14	B	804	CLA	C2D-C1D-ND	4.55	114.63	110.13
14	B	832	CLA	CAA-C2A-C1A	-4.55	97.06	111.97
14	G	840	CLA	O2D-CGD-CBD	4.55	119.19	111.23
14	B	837	CLA	C2C-C1C-NC	4.55	114.76	109.98
14	Y	839	CLA	CMB-C2B-C1B	4.55	132.35	125.42
14	Q	202	CLA	C3B-C2B-C1B	-4.55	101.80	107.17
14	B	816	CLA	O2D-CGD-CBD	4.55	119.19	111.23
17	U	1005	BCR	C36-C18-C17	-4.55	115.44	122.82
14	A	839	CLA	O2A-CGA-CBA	4.55	125.71	111.83
17	Z	844	BCR	C34-C9-C8	4.55	125.04	118.09
14	H	808	CLA	CMB-C2B-C1B	4.55	132.34	125.42
14	A	804	CLA	C1D-ND-C4D	-4.55	103.12	106.31
14	Z	806	CLA	C1D-ND-C4D	-4.55	103.12	106.31
14	Z	812	CLA	C1D-ND-C4D	-4.54	103.12	106.31
17	A	846	BCR	C34-C9-C10	-4.54	115.46	122.82
14	A	807	CLA	C1C-C2C-C3C	-4.54	102.20	106.98
14	Z	835	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
14	G	838	CLA	O2A-CGA-O1A	-4.54	112.27	123.63
14	Y	823	CLA	C1C-C2C-C3C	-4.54	102.21	106.98
14	G	838	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
14	B	830	CLA	O2A-CGA-O1A	-4.54	111.66	123.33
14	H	837	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
14	G	807	CLA	C2D-C1D-ND	4.54	114.62	110.13
13	Y	801	CL0	O2D-CGD-CBD	4.54	119.16	111.23
14	Y	825	CLA	C2D-C1D-ND	4.54	114.61	110.13
14	A	821	CLA	C1D-ND-C4D	-4.54	103.13	106.31
14	G	837	CLA	O2A-CGA-CBA	4.53	125.66	111.83
14	Z	805	CLA	CAC-C3C-C4C	4.53	130.69	124.79
14	Y	833	CLA	C1D-ND-C4D	-4.53	103.13	106.31
17	Z	847	BCR	C23-C22-C21	4.53	126.14	119.01
14	H	810	CLA	O2A-CGA-CBA	4.53	125.65	111.83
14	Y	832	CLA	C4A-NA-C1A	4.53	108.75	106.68
14	A	809	CLA	C1C-C2C-C3C	-4.53	102.22	106.98
14	Y	814	CLA	C1C-C2C-C3C	-4.53	102.22	106.98
14	G	806	CLA	O2D-CGD-O1D	-4.53	115.03	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	848	BCR	C23-C24-C25	-4.53	114.90	127.00
14	Y	840	CLA	C1C-C2C-C3C	-4.53	102.22	106.98
14	A	840	CLA	O2D-CGD-CBD	4.53	119.14	111.23
14	H	821	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
14	G	811	CLA	C1D-ND-C4D	-4.53	103.14	106.31
14	A	830	CLA	O2D-CGD-CBD	4.53	119.14	111.23
17	Q	203	BCR	C36-C18-C17	-4.53	115.48	122.82
14	G	819	CLA	O2A-C1-C2	4.52	125.52	108.11
14	A	854	CLA	C3B-C2B-C1B	-4.52	101.84	107.17
14	Y	836	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
14	H	833	CLA	O2A-CGA-O1A	-4.52	111.70	123.33
13	Y	801	CL0	O2A-CGA-CBA	4.52	125.62	111.83
14	Z	801	CLA	C2C-C1C-NC	4.52	114.73	109.98
14	Y	839	CLA	O2A-C1-C2	4.52	125.50	108.11
14	H	829	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
17	H	843	BCR	C34-C9-C10	-4.52	115.49	122.82
14	H	810	CLA	OBD-CAD-C3D	-4.52	117.86	128.42
14	Y	828	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
14	U	1004	CLA	C2B-C1B-NB	4.52	115.01	110.33
14	Y	807	CLA	O2D-CGD-CBD	4.52	119.12	111.23
14	A	842	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	Y	832	CLA	C1-C2-C3	-4.51	118.80	126.20
14	A	824	CLA	O2D-CGD-CBD	4.51	119.12	111.23
14	Z	833	CLA	C4A-NA-C1A	4.51	108.74	106.68
14	B	816	CLA	O2A-CGA-CBA	4.51	125.59	111.83
14	A	807	CLA	CAA-C2A-C3A	-4.51	100.81	113.00
14	A	838	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	H	821	CLA	C1C-C2C-C3C	-4.51	102.24	106.98
14	Y	821	CLA	C1C-C2C-C3C	-4.51	102.24	106.98
14	H	821	CLA	O2A-CGA-O1A	-4.51	111.73	123.33
14	J	102	CLA	C3D-C2D-C1D	-4.51	99.68	105.83
14	H	833	CLA	C2B-C1B-NB	4.51	115.00	110.33
14	A	841	CLA	O2A-C1-C2	4.51	125.46	108.11
14	A	829	CLA	O2A-CGA-CBA	4.51	125.58	111.83
14	g	102	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	H	826	CLA	C4A-NA-C1A	4.51	108.73	106.68
14	Y	811	CLA	C2D-C1D-ND	4.51	114.59	110.13
14	Z	812	CLA	O2A-CGA-O1A	-4.51	112.36	123.63
14	B	802	CLA	C2C-C1C-NC	4.51	114.71	109.98
14	B	820	CLA	O2D-CGD-CBD	4.51	119.11	111.23
14	B	840	CLA	C1C-C2C-C3C	-4.50	102.24	106.98
17	I	101	BCR	C31-C1-C6	-4.50	103.18	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	102	CLA	C3D-C2D-C1D	-4.50	99.68	105.83
14	G	816	CLA	C3D-C2D-C1D	-4.50	99.69	105.83
14	A	835	CLA	C4A-NA-C1A	4.50	108.73	106.68
17	H	846	BCR	C8-C9-C10	4.50	126.09	119.01
14	f	101	CLA	C1C-C2C-C3C	-4.50	102.25	106.98
14	A	837	CLA	O2A-CGA-CBA	4.50	125.56	111.83
14	H	823	CLA	C2D-C1D-ND	4.50	114.58	110.13
14	H	803	CLA	C2B-C1B-NB	4.50	114.99	110.33
14	Z	819	CLA	C1C-C2C-C3C	-4.50	102.25	106.98
14	B	838	CLA	C1D-ND-C4D	-4.50	103.16	106.31
14	G	818	CLA	C1D-ND-C4D	-4.50	103.16	106.31
14	Z	816	CLA	O2D-CGD-CBD	4.50	119.09	111.23
14	d	202	CLA	C4A-NA-C1A	4.50	108.73	106.68
14	Y	815	CLA	O2A-CGA-O1A	-4.50	112.38	123.63
14	A	809	CLA	C2C-C1C-NC	4.50	114.70	109.98
14	B	836	CLA	C2C-C1C-NC	4.50	114.70	109.98
14	G	810	CLA	O2A-CGA-O1A	-4.49	111.77	123.33
14	B	835	CLA	C1D-ND-C4D	-4.49	103.16	106.31
14	f	102	CLA	O2A-CGA-CBA	4.49	125.54	111.83
14	Z	838	CLA	CMC-C2C-C1C	4.49	132.06	125.03
14	G	809	CLA	O2A-CGA-CBA	4.49	125.53	111.83
14	Y	821	CLA	C4A-NA-C1A	4.49	108.73	106.68
14	A	810	CLA	CMC-C2C-C1C	4.49	132.05	125.03
14	G	819	CLA	C2D-C1D-ND	4.49	114.57	110.13
14	Y	816	CLA	CMB-C2B-C1B	4.49	132.26	125.42
14	Y	817	CLA	C2C-C1C-NC	4.49	114.70	109.98
14	G	827	CLA	O2A-CGA-O1A	-4.49	112.40	123.63
14	Z	821	CLA	C4A-NA-C1A	4.49	108.73	106.68
14	Z	811	CLA	C1C-C2C-C3C	-4.49	102.26	106.98
14	B	837	CLA	C3B-C2B-C1B	-4.49	101.88	107.17
14	H	851	CLA	C1C-C2C-C3C	-4.49	102.26	106.98
14	A	843	CLA	CMC-C2C-C1C	4.49	132.04	125.03
14	A	803	CLA	C2D-C1D-ND	4.48	114.56	110.13
14	L	201	CLA	C1D-ND-C4D	-4.48	103.17	106.31
17	Z	848	BCR	C24-C23-C22	-4.48	119.60	126.23
14	Y	823	CLA	C2C-C1C-NC	4.48	114.69	109.98
14	H	838	CLA	C3B-C2B-C1B	-4.48	101.89	107.17
14	h	204	CLA	C3B-C2B-C1B	-4.48	101.89	107.17
14	B	824	CLA	C3D-C2D-C1D	-4.48	99.71	105.83
14	B	820	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	Y	835	CLA	C3B-C2B-C1B	-4.48	101.89	107.17
14	Z	803	CLA	O2A-CGA-O1A	-4.48	112.43	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	807	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
14	Q	202	CLA	O2A-CGA-O1A	-4.48	111.82	123.33
14	G	812	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	H	824	CLA	C4A-NA-C1A	4.48	108.72	106.68
14	A	854	CLA	O2A-CGA-O1A	-4.48	112.43	123.63
14	Z	807	CLA	C1C-C2C-C3C	-4.48	102.27	106.98
17	Z	850	BCR	C34-C9-C10	-4.47	115.57	122.82
14	H	839	CLA	C3B-C2B-C1B	-4.47	101.90	107.17
17	G	849	BCR	C24-C23-C22	-4.47	119.62	126.23
14	G	842	CLA	O2A-CGA-CBA	4.47	125.47	111.83
17	A	851	BCR	C24-C23-C22	-4.47	119.62	126.23
14	A	804	CLA	C4A-NA-C1A	4.47	108.72	106.68
14	Y	818	CLA	O2A-C1-C2	4.47	125.31	108.11
17	T	102	BCR	C36-C18-C17	-4.47	115.58	122.82
14	Z	818	CLA	C4A-NA-C1A	4.47	108.72	106.68
17	Y	853	BCR	C34-C9-C10	-4.47	115.58	122.82
14	Z	835	CLA	O2A-CGA-O1A	-4.47	111.84	123.33
14	G	824	CLA	C3D-C2D-C1D	-4.47	99.73	105.83
14	A	827	CLA	CMA-C3A-C4A	4.47	123.78	111.77
14	B	820	CLA	C2D-C1D-ND	4.47	114.55	110.13
14	B	818	CLA	C1D-ND-C4D	-4.47	103.18	106.31
17	S	1105	BCR	C33-C5-C6	-4.47	119.61	124.48
14	B	816	CLA	C1C-C2C-C3C	-4.46	102.28	106.98
17	Z	844	BCR	C24-C23-C22	-4.46	119.63	126.23
14	Y	823	CLA	C2D-C1D-ND	4.46	114.54	110.13
17	Y	849	BCR	C34-C9-C10	-4.46	115.58	122.82
14	G	825	CLA	C4A-NA-C1A	4.46	108.72	106.68
14	G	834	CLA	C4A-NA-C1A	4.46	108.72	106.68
14	A	841	CLA	C2C-C1C-NC	4.46	114.67	109.98
14	Y	836	CLA	C1D-ND-C4D	-4.46	103.18	106.31
14	B	808	CLA	O2A-CGA-O1A	-4.46	112.47	123.63
17	i	101	BCR	C33-C5-C6	-4.46	119.62	124.48
14	Y	839	CLA	O2D-CGD-CBD	4.46	119.03	111.23
14	H	830	CLA	C1D-ND-C4D	-4.46	103.18	106.31
14	Y	804	CLA	CMC-C2C-C1C	4.46	132.00	125.03
14	A	826	CLA	C4A-NA-C1A	4.46	108.71	106.68
14	B	830	CLA	C1C-C2C-C3C	-4.46	102.29	106.98
14	A	821	CLA	O2A-CGA-CBA	4.46	125.43	111.83
14	A	829	CLA	C1C-C2C-C3C	-4.46	102.29	106.98
17	R	101	BCR	C31-C1-C6	-4.46	103.25	110.24
14	B	803	CLA	O2A-CGA-O1A	-4.46	112.48	123.63
14	B	822	CLA	C1C-C2C-C3C	-4.46	102.29	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	830	CLA	C1D-ND-C4D	-4.45	103.19	106.31
14	B	823	CLA	O2A-CGA-O1A	-4.45	112.49	123.63
14	B	830	CLA	C4A-NA-C1A	4.45	108.71	106.68
17	H	847	BCR	C37-C22-C21	-4.45	115.61	122.82
14	H	816	CLA	OBD-CAD-C3D	-4.45	118.02	128.42
17	Z	843	BCR	C36-C18-C17	-4.45	115.61	122.82
14	G	841	CLA	C4-C3-C5	4.45	122.95	115.23
14	G	828	CLA	C2C-C1C-NC	4.45	114.65	109.98
14	A	842	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
14	G	822	CLA	O2A-CGA-CBA	4.44	125.39	111.83
14	A	807	CLA	C2D-C1D-ND	4.44	114.53	110.13
17	G	848	BCR	C37-C22-C21	-4.44	115.62	122.82
14	G	820	CLA	O2A-CGA-CBA	4.44	125.38	111.83
14	Y	828	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	H	829	CLA	C1D-ND-C4D	-4.44	103.19	106.31
14	B	802	CLA	CAC-C3C-C4C	4.44	130.57	124.79
14	A	827	CLA	CHD-C1D-ND	-4.44	118.55	124.80
14	G	821	CLA	C4A-NA-C1A	4.44	108.70	106.68
14	B	827	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	B	838	CLA	C2C-C1C-NC	4.44	114.65	109.98
14	H	813	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	G	837	CLA	C2D-C1D-ND	4.44	114.52	110.13
14	Z	807	CLA	C1D-ND-C4D	-4.44	103.20	106.31
14	G	840	CLA	C4-C3-C5	4.44	122.93	115.23
14	B	837	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
14	G	828	CLA	C1C-C2C-C3C	-4.43	102.32	106.98
14	A	834	CLA	O2D-CGD-CBD	4.43	118.98	111.23
14	Z	804	CLA	O2D-CGD-O1D	-4.43	115.22	123.85
14	H	812	CLA	C1D-ND-C4D	-4.43	103.20	106.31
14	H	837	CLA	C2C-C1C-NC	4.43	114.64	109.98
14	A	843	CLA	C1-O2A-CGA	4.43	127.38	116.65
14	j	102	CLA	C4A-NA-C1A	4.43	108.70	106.68
14	Y	813	CLA	C1C-C2C-C3C	-4.43	102.32	106.98
17	G	846	BCR	C33-C5-C6	-4.43	119.65	124.48
17	Y	846	BCR	C1-C6-C7	4.43	127.66	115.65
14	A	831	CLA	C3D-C2D-C1D	-4.43	99.79	105.83
14	H	805	CLA	C3B-C2B-C1B	-4.43	101.95	107.17
14	B	833	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	B	834	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	H	838	CLA	O2D-CGD-O1D	-4.42	115.24	123.85
14	Y	824	CLA	C3B-C2B-C1B	-4.42	101.96	107.17
14	H	813	CLA	C3B-C2B-C1B	-4.42	101.96	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	813	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
14	A	811	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	Z	818	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	B	801	CLA	C1D-ND-C4D	-4.42	103.21	106.31
14	B	817	CLA	C2D-C1D-ND	4.42	114.50	110.13
14	B	839	CLA	O2A-CGA-O1A	-4.42	112.58	123.63
14	B	827	CLA	C3D-C2D-C1D	-4.42	99.81	105.83
14	G	817	CLA	C2D-C1D-ND	4.42	114.50	110.13
17	h	202	BCR	C37-C22-C21	-4.41	115.67	122.82
14	L	202	CLA	C3B-C2B-C1B	-4.41	101.97	107.17
17	d	203	BCR	C24-C23-C22	-4.41	119.71	126.23
14	G	826	CLA	C3D-C2D-C1D	-4.41	99.81	105.83
14	H	813	CLA	C1D-ND-C4D	-4.41	103.22	106.31
17	h	202	BCR	C36-C18-C19	-4.41	111.35	118.09
14	G	811	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	H	819	CLA	C4A-NA-C1A	4.41	108.69	106.68
17	i	101	BCR	C3-C4-C5	-4.41	106.20	114.06
14	S	1101	CLA	C1C-C2C-C3C	-4.41	102.34	106.98
14	G	803	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	J	102	CLA	C2D-C1D-ND	4.41	114.49	110.13
14	G	816	CLA	O2A-CGA-CBA	4.40	125.27	111.83
14	h	206	CLA	O2D-CGD-CBD	4.40	118.93	111.23
14	G	833	CLA	O2A-CGA-O1A	-4.40	112.61	123.63
14	Y	838	CLA	O2A-CGA-O1A	-4.40	112.61	123.63
14	G	809	CLA	C1C-C2C-C3C	-4.40	102.35	106.98
14	Z	828	CLA	O2A-CGA-CBA	4.40	125.26	111.83
17	A	851	BCR	C33-C5-C6	-4.40	119.68	124.48
17	Z	846	BCR	C24-C23-C22	-4.40	119.72	126.23
17	A	847	BCR	C38-C26-C25	4.40	129.29	124.48
14	Y	837	CLA	C1C-C2C-C3C	-4.40	102.35	106.98
17	H	850	BCR	C31-C1-C6	-4.40	103.34	110.24
14	U	1002	CLA	O2D-CGD-O1D	-4.40	115.29	123.85
14	B	834	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
14	H	808	CLA	C3D-C2D-C1D	-4.39	99.83	105.83
14	S	1101	CLA	O2A-CGA-CBA	4.39	125.23	111.83
14	G	809	CLA	C2C-C1C-NC	4.39	114.60	109.98
14	B	813	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
14	B	828	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	Y	823	CLA	C3B-C2B-C1B	-4.39	101.99	107.17
14	K	102	CLA	C4A-NA-C1A	4.39	108.68	106.68
17	V	101	BCR	C7-C6-C5	-4.39	111.44	121.56
14	G	852	CLA	C3B-C2B-C1B	-4.39	102.00	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	852	CLA	CAC-C3C-C4C	4.39	130.50	124.79
14	Z	823	CLA	C1D-ND-C4D	-4.39	103.23	106.31
14	B	827	CLA	C4A-NA-C1A	4.39	108.68	106.68
14	Y	805	CLA	C3D-C4D-ND	4.38	117.11	109.99
14	B	826	CLA	C1C-C2C-C3C	-4.38	102.37	106.98
14	H	810	CLA	C1C-C2C-C3C	-4.38	102.37	106.98
14	A	808	CLA	CMB-C2B-C1B	4.38	132.09	125.42
14	B	826	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	B	839	CLA	O2D-CGD-CBD	4.38	118.89	111.23
14	H	826	CLA	O2A-CGA-O1A	-4.38	112.67	123.63
14	H	832	CLA	C3D-C2D-C1D	-4.38	99.86	105.83
17	Q	201	BCR	C24-C23-C22	-4.38	119.76	126.23
14	Z	837	CLA	O2A-CGA-CBA	4.38	125.18	111.83
14	G	815	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	A	814	CLA	C2D-C1D-ND	4.38	114.46	110.13
14	Y	819	CLA	O2D-CGD-O1D	-4.37	115.33	123.85
14	H	819	CLA	C1C-C2C-C3C	-4.37	102.38	106.98
14	Z	806	CLA	C2D-C1D-ND	4.37	114.45	110.13
14	A	841	CLA	C1C-C2C-C3C	-4.37	102.38	106.98
17	B	842	BCR	C34-C9-C8	4.37	124.77	118.09
14	G	805	CLA	O2A-CGA-O1A	-4.37	112.70	123.63
14	U	1007	CLA	O2D-CGD-CBD	4.37	118.87	111.23
14	A	810	CLA	C2D-C1D-ND	4.37	114.45	110.13
14	B	805	CLA	O2A-CGA-CBA	4.37	125.15	111.83
17	L	208	BCR	C3-C4-C5	-4.37	106.27	114.06
14	A	841	CLA	O2A-CGA-CBA	4.37	125.14	111.83
14	H	835	CLA	C2C-C1C-NC	4.36	114.57	109.98
17	G	846	BCR	C34-C9-C8	4.36	124.75	118.09
14	Y	835	CLA	O2D-CGD-CBD	4.36	118.86	111.23
14	Z	818	CLA	O2A-CGA-CBA	4.36	125.14	111.83
14	G	822	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
14	A	823	CLA	O2A-CGA-CBA	4.36	125.13	111.83
14	Y	808	CLA	O2A-CGA-CBA	4.36	125.13	111.83
17	S	1104	BCR	C34-C9-C8	4.36	124.75	118.09
17	H	847	BCR	C34-C9-C10	-4.36	115.76	122.82
14	U	1003	CLA	C2B-C1B-NB	4.36	114.84	110.33
14	B	832	CLA	O2A-CGA-CBA	4.36	125.12	111.83
14	A	832	CLA	O2A-CGA-O1A	-4.35	112.74	123.63
17	e	101	BCR	C34-C9-C8	4.35	124.73	118.09
14	h	201	CLA	C1-C2-C3	-4.35	119.07	126.20
14	A	802	CLA	C1D-ND-C4D	-4.35	103.26	106.31
14	B	826	CLA	C2C-C1C-NC	4.35	114.55	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Y	845	BCR	C30-C25-C26	-4.35	116.69	122.64
17	A	846	BCR	C19-C18-C17	4.35	125.85	119.01
14	G	841	CLA	C1D-ND-C4D	-4.35	103.26	106.31
17	H	843	BCR	C15-C14-C13	-4.35	121.18	127.28
14	J	102	CLA	C1-O2A-CGA	4.35	127.17	116.65
14	H	813	CLA	O2A-C1-C2	4.34	124.83	108.11
14	Y	812	CLA	C3B-C2B-C1B	-4.34	102.05	107.17
14	G	833	CLA	C1D-ND-C4D	-4.34	103.27	106.31
17	Y	845	BCR	C8-C7-C6	-4.34	115.40	127.00
14	H	840	CLA	O2D-CGD-CBD	4.34	118.82	111.23
17	F	203	BCR	C23-C24-C25	-4.34	115.41	127.00
14	B	839	CLA	C2C-C1C-NC	4.34	114.54	109.98
14	G	804	CLA	O2A-CGA-O1A	-4.34	112.77	123.63
17	J	104	BCR	C15-C14-C13	-4.34	121.19	127.28
14	A	827	CLA	CMC-C2C-C1C	4.34	131.81	125.03
14	Z	802	CLA	C1C-C2C-C3C	-4.34	102.42	106.98
14	Y	826	CLA	CMA-C3A-C4A	4.34	123.43	111.77
14	Z	827	CLA	C1D-ND-C4D	-4.34	103.27	106.31
14	H	830	CLA	O2D-CGD-O1D	-4.33	115.41	123.85
14	A	839	CLA	C3B-C2B-C1B	-4.33	102.06	107.17
17	U	1008	BCR	C34-C9-C10	-4.33	115.80	122.82
14	Y	817	CLA	C1C-C2C-C3C	-4.33	102.43	106.98
17	F	203	BCR	C35-C13-C14	-4.33	115.80	122.82
14	Z	811	CLA	O2A-CGA-CBA	4.33	125.03	111.83
14	B	805	CLA	C2D-C1D-ND	4.33	114.41	110.13
13	A	801	CL0	CMC-C2C-C1C	4.33	131.79	125.03
14	Z	817	CLA	O2D-CGD-CBD	4.33	118.79	111.23
14	B	810	CLA	C4A-NA-C1A	4.32	108.65	106.68
17	T	102	BCR	C30-C25-C26	-4.32	116.73	122.64
14	J	101	CLA	O2A-CGA-O1A	-4.32	112.22	123.33
14	Z	832	CLA	O2A-CGA-O1A	-4.32	112.22	123.33
14	Y	810	CLA	O2A-CGA-O1A	-4.32	112.22	123.33
17	T	102	BCR	C32-C1-C6	-4.32	103.47	110.24
17	A	850	BCR	C27-C26-C25	-4.32	116.87	122.70
14	Z	840	CLA	CED-O2D-CGD	4.32	125.71	115.92
14	H	801	CLA	O2A-CGA-CBA	4.32	125.00	111.83
14	H	840	CLA	CMB-C2B-C1B	4.32	131.99	125.42
14	G	825	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
14	Y	836	CLA	CAC-C3C-C4C	4.32	130.41	124.79
14	A	834	CLA	O2A-CGA-O1A	-4.32	112.83	123.63
14	Y	830	CLA	C4A-NA-C1A	4.32	108.65	106.68
14	B	801	CLA	C2D-C1D-ND	4.31	114.39	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	839	CLA	C3D-C4D-ND	4.31	117.00	109.99
14	Z	839	CLA	C1D-ND-C4D	-4.31	103.29	106.31
14	Z	829	CLA	C4A-NA-C1A	4.31	108.65	106.68
14	H	814	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
14	H	829	CLA	CED-O2D-CGD	4.31	125.69	115.92
14	Z	809	CLA	CMB-C2B-C1B	4.31	131.98	125.42
14	Y	838	CLA	C3D-C2D-C1D	-4.31	99.95	105.83
14	Y	832	CLA	C1-O2A-CGA	4.31	127.07	116.65
14	G	852	CLA	C2D-C1D-ND	4.30	114.39	110.13
17	U	1009	BCR	C36-C18-C19	-4.30	111.51	118.09
14	B	835	CLA	C2D-C1D-ND	4.30	114.39	110.13
14	Z	836	CLA	O2A-CGA-O1A	-4.30	112.27	123.33
14	Y	830	CLA	C2D-C1D-ND	4.30	114.38	110.13
14	Y	823	CLA	C3D-C2D-C1D	-4.30	99.96	105.83
14	Y	821	CLA	O2D-CGD-CBD	4.30	118.75	111.23
14	A	821	CLA	C2D-C1D-ND	4.30	114.38	110.13
17	i	101	BCR	C1-C6-C7	4.30	127.31	115.65
14	H	814	CLA	O2A-C1-C2	4.30	124.64	108.11
17	G	847	BCR	C34-C9-C10	-4.30	115.86	122.82
17	Z	843	BCR	C27-C26-C25	-4.30	116.90	122.70
14	G	827	CLA	C1C-C2C-C3C	-4.29	102.46	106.98
14	H	803	CLA	C1D-ND-C4D	-4.29	103.30	106.31
17	f	103	BCR	C8-C7-C6	-4.29	115.53	127.00
14	Z	802	CLA	C2C-C1C-NC	4.29	114.49	109.98
14	Y	805	CLA	C3D-C2D-C1D	-4.29	99.97	105.83
14	B	811	CLA	C2D-C1D-ND	4.29	114.37	110.13
14	A	807	CLA	O2D-CGD-CBD	4.29	118.73	111.23
14	Z	815	CLA	C3D-C2D-C1D	-4.29	99.98	105.83
14	Y	822	CLA	O2D-CGD-CBD	4.29	118.73	111.23
17	J	103	BCR	C37-C22-C21	-4.29	115.87	122.82
14	H	830	CLA	CMB-C2B-C1B	4.29	131.95	125.42
14	A	842	CLA	O2D-CGD-CBD	4.29	118.73	111.23
17	H	845	BCR	C24-C23-C22	-4.29	119.89	126.23
14	Y	833	CLA	C3D-C2D-C1D	-4.29	99.98	105.83
14	B	801	CLA	O2A-CGA-CBA	4.29	124.90	111.83
14	H	806	CLA	O2A-CGA-CBA	4.29	124.90	111.83
14	G	824	CLA	C1C-C2C-C3C	-4.29	102.47	106.98
14	J	102	CLA	C1D-ND-C4D	-4.28	103.31	106.31
17	L	208	BCR	C23-C22-C21	4.28	125.74	119.01
14	Z	823	CLA	C2D-C1D-ND	4.28	114.36	110.13
17	B	847	BCR	C33-C5-C6	-4.28	119.81	124.48
17	Y	848	BCR	C8-C7-C6	-4.28	115.57	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	825	CLA	C1C-C2C-C3C	-4.28	102.48	106.98
14	A	812	CLA	O2A-CGA-CBA	4.28	124.88	111.83
14	Z	809	CLA	O2A-CGA-CBA	4.28	124.88	111.83
14	A	822	CLA	O2A-CGA-O1A	-4.28	112.93	123.63
14	B	812	CLA	O2A-CGA-CBA	4.28	124.88	111.83
14	G	811	CLA	C4A-NA-C1A	4.28	108.63	106.68
14	B	815	CLA	O2A-CGA-O1A	-4.28	112.93	123.63
14	A	810	CLA	C1-O2A-CGA	4.28	127.00	116.65
14	Z	839	CLA	C2D-C1D-ND	4.27	114.36	110.13
14	Z	813	CLA	C3B-C2B-C1B	-4.27	102.13	107.17
17	F	203	BCR	C23-C22-C21	4.27	125.73	119.01
14	Z	803	CLA	O2A-CGA-CBA	4.27	124.86	111.83
14	Y	836	CLA	C2D-C1D-ND	4.27	114.35	110.13
14	G	803	CLA	O2D-CGD-CBD	4.27	118.69	111.23
14	B	824	CLA	C2B-C1B-NB	4.27	114.75	110.33
14	H	825	CLA	C1-O2A-CGA	4.27	126.99	116.65
14	A	819	CLA	C2C-C1C-NC	4.27	114.47	109.98
14	W	1701	CLA	C3B-C2B-C1B	-4.27	102.14	107.17
14	Z	823	CLA	C3D-C2D-C1D	-4.27	100.01	105.83
17	H	842	BCR	C37-C22-C23	4.27	124.61	118.09
17	B	847	BCR	C24-C23-C22	-4.27	119.92	126.23
14	A	824	CLA	O2A-CGA-CBA	4.26	124.83	111.83
14	A	810	CLA	C3D-C2D-C1D	-4.26	100.01	105.83
14	A	813	CLA	O2A-CGA-CBA	4.26	124.83	111.83
17	h	207	BCR	C34-C9-C10	-4.26	115.91	122.82
17	Y	848	BCR	C37-C22-C21	-4.26	115.91	122.82
14	B	801	CLA	C3D-C2D-C1D	-4.26	100.02	105.83
14	B	804	CLA	C2B-C1B-NB	4.26	114.74	110.33
14	H	813	CLA	C4A-NA-C1A	4.26	108.62	106.68
14	G	830	CLA	O2D-CGD-CBD	4.26	118.67	111.23
14	Y	803	CLA	O2D-CGD-O1D	-4.26	115.56	123.85
14	A	805	CLA	C2B-C1B-NB	4.26	114.74	110.33
14	Y	811	CLA	O2D-CGD-CBD	4.25	118.66	111.23
14	B	802	CLA	C2B-C1B-NB	4.25	114.73	110.33
14	A	832	CLA	C1C-C2C-C3C	-4.25	102.51	106.98
13	A	801	CL0	C3D-C2D-C1D	-4.25	100.03	105.83
14	A	820	CLA	O2A-CGA-CBA	4.25	124.79	111.83
17	V	101	BCR	C27-C26-C25	-4.25	116.97	122.70
17	F	203	BCR	C38-C26-C25	-4.25	119.85	124.48
18	G	851	LHG	O7-C7-C8	4.25	120.67	111.48
14	A	810	CLA	O2D-CGD-CBD	4.24	118.65	111.23
14	Z	819	CLA	C2D-C1D-ND	4.24	114.33	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	819	CLA	O2D-CGD-O1D	-4.24	115.59	123.85
14	H	826	CLA	C1C-C2C-C3C	-4.24	102.52	106.98
14	G	839	CLA	C4D-C3D-CAD	4.24	112.71	108.11
17	i	101	BCR	C37-C22-C21	-4.24	115.95	122.82
14	Z	825	CLA	O2A-CGA-CBA	4.24	124.76	111.83
14	G	824	CLA	C2C-C1C-NC	4.24	114.43	109.98
14	G	824	CLA	O2A-CGA-CBA	4.24	124.75	111.83
14	g	101	CLA	OBD-CAD-C3D	-4.23	121.71	128.60
17	B	843	BCR	C36-C18-C17	-4.23	115.96	122.82
14	B	821	CLA	C2D-C1D-ND	4.23	114.32	110.13
14	H	809	CLA	O2A-CGA-O1A	-4.23	113.04	123.63
14	H	804	CLA	C1C-C2C-C3C	-4.23	102.53	106.98
14	B	809	CLA	C1D-ND-C4D	-4.23	103.34	106.31
14	B	833	CLA	C2B-C1B-NB	4.23	114.71	110.33
14	A	828	CLA	C2C-C1C-NC	4.23	114.42	109.98
14	Z	830	CLA	O2A-CGA-CBA	4.23	124.73	111.83
17	Y	852	BCR	C37-C22-C21	-4.23	115.97	122.82
14	h	204	CLA	O2A-C1-C2	4.23	124.38	108.11
14	H	840	CLA	C3B-C2B-C1B	-4.23	102.19	107.17
14	Z	814	CLA	C1D-ND-C4D	-4.22	103.35	106.31
14	T	103	CLA	O2D-CGD-CBD	4.22	118.61	111.23
14	d	201	CLA	C2C-C1C-NC	4.22	114.42	109.98
14	G	838	CLA	O2A-CGA-CBA	4.22	124.71	111.83
14	g	101	CLA	C1D-ND-C4D	-4.22	103.35	106.31
17	A	847	BCR	C37-C22-C21	-4.22	115.98	122.82
14	H	825	CLA	O2D-CGD-O1D	-4.22	115.63	123.85
14	B	828	CLA	O2A-CGA-O1A	-4.22	113.07	123.63
14	G	803	CLA	O2A-CGA-CBA	4.22	124.70	111.83
17	h	202	BCR	C34-C9-C10	-4.22	115.98	122.82
14	A	802	CLA	C1-O2A-CGA	4.22	126.86	116.65
14	A	827	CLA	C2C-C1C-NC	4.22	114.41	109.98
17	Z	847	BCR	C34-C9-C10	-4.22	115.98	122.82
17	J	104	BCR	C33-C5-C6	-4.22	119.88	124.48
14	K	102	CLA	C3B-C2B-C1B	-4.22	102.20	107.17
17	A	851	BCR	C1-C6-C7	4.22	127.08	115.65
14	Y	808	CLA	CMC-C2C-C1C	4.22	131.62	125.03
14	Y	827	CLA	O2D-CGD-CBD	4.21	118.60	111.23
14	Y	805	CLA	C2D-C1D-ND	4.21	114.30	110.13
14	G	841	CLA	C4A-NA-C1A	4.21	108.60	106.68
17	F	203	BCR	C24-C23-C22	-4.21	120.00	126.23
14	G	836	CLA	C2D-C1D-ND	4.21	114.30	110.13
14	A	840	CLA	C3B-C2B-C1B	-4.21	102.20	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	833	CLA	C2D-C1D-ND	4.21	114.29	110.13
14	h	206	CLA	C1C-C2C-C3C	-4.21	102.55	106.98
14	B	802	CLA	C2D-C1D-ND	4.21	114.29	110.13
14	A	811	CLA	C3B-C2B-C1B	-4.21	102.21	107.17
14	H	838	CLA	O2A-CGA-CBA	4.21	127.30	114.00
14	G	827	CLA	C2C-C1C-NC	4.21	114.40	109.98
14	Y	824	CLA	O2A-CGA-CBA	4.21	124.66	111.83
14	B	815	CLA	O2D-CGD-CBD	4.20	118.58	111.23
14	G	808	CLA	C2B-C1B-NB	4.20	114.69	110.33
14	G	821	CLA	C2C-C1C-NC	4.20	114.40	109.98
14	G	816	CLA	C3B-C2B-C1B	-4.20	102.22	107.17
14	Y	820	CLA	O2A-CGA-CBA	4.20	124.65	111.83
14	H	833	CLA	C4A-NA-C1A	4.20	108.60	106.68
14	H	814	CLA	C2B-C1B-NB	4.20	114.68	110.33
14	A	809	CLA	CMB-C2B-C1B	4.20	131.82	125.42
14	Y	825	CLA	O2D-CGD-CBD	4.20	118.57	111.23
14	G	821	CLA	CED-O2D-CGD	4.20	125.44	115.92
14	Y	828	CLA	O2A-CGA-CBA	4.20	124.64	111.83
14	A	820	CLA	O2A-C1-C2	4.20	124.27	108.11
14	j	102	CLA	CMA-C3A-C4A	4.20	123.06	111.77
17	G	849	BCR	C7-C6-C5	-4.20	111.89	121.56
17	U	1009	BCR	C7-C8-C9	-4.20	120.03	126.23
14	H	825	CLA	C2B-C1B-NB	4.19	114.68	110.33
14	j	102	CLA	C2D-C1D-ND	4.19	114.28	110.13
17	B	850	BCR	C31-C1-C6	-4.19	103.67	110.24
14	Y	810	CLA	C1C-C2C-C3C	-4.19	102.57	106.98
14	B	812	CLA	C3B-C2B-C1B	-4.19	102.23	107.17
17	F	201	BCR	C37-C22-C21	-4.19	116.03	122.82
14	B	809	CLA	CMB-C2B-C1B	4.19	131.80	125.42
14	g	102	CLA	O2D-CGD-CBD	4.19	118.55	111.23
14	B	829	CLA	C3B-C2B-C1B	-4.19	102.23	107.17
17	G	846	BCR	C23-C24-C25	-4.19	115.81	127.00
14	A	814	CLA	C4D-C3D-CAD	4.19	112.65	108.11
14	A	843	CLA	CMB-C2B-C1B	4.19	131.79	125.42
17	Y	853	BCR	C37-C22-C21	-4.19	116.03	122.82
14	G	811	CLA	O2A-CGA-CBA	4.18	124.59	111.83
14	Y	836	CLA	O2D-CGD-CBD	4.18	118.55	111.23
14	Y	802	CLA	O2A-CGA-CBA	4.18	124.59	111.83
17	Z	844	BCR	C34-C9-C10	-4.18	116.04	122.82
14	Z	811	CLA	CMC-C2C-C1C	4.18	131.57	125.03
14	G	812	CLA	O2A-CGA-CBA	4.18	124.58	111.83
17	A	849	BCR	C34-C9-C8	4.18	124.47	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	851	BCR	C7-C6-C5	-4.18	111.93	121.56
14	Y	828	CLA	C1C-C2C-C3C	-4.18	102.59	106.98
14	Y	807	CLA	C4A-NA-C1A	4.18	108.58	106.68
14	Y	822	CLA	C2B-C1B-NB	4.17	114.66	110.33
14	B	833	CLA	O1D-CGD-CBD	-4.17	116.29	124.52
14	A	824	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
14	A	840	CLA	CMB-C2B-C1B	4.17	131.77	125.42
14	A	806	CLA	O2A-CGA-O1A	-4.17	113.19	123.63
14	A	824	CLA	C2D-C1D-ND	4.17	114.25	110.13
14	L	206	CLA	CMC-C2C-C1C	4.17	131.55	125.03
14	G	839	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
14	G	802	CLA	C1-O2A-CGA	4.17	126.74	116.65
14	Z	805	CLA	CMC-C2C-C1C	4.17	131.55	125.03
14	g	101	CLA	C2D-C1D-ND	4.17	114.25	110.13
17	Y	852	BCR	C8-C7-C6	-4.17	115.87	127.00
14	A	812	CLA	C3B-C2B-C1B	-4.16	102.26	107.17
17	U	1008	BCR	C36-C18-C17	-4.16	116.07	122.82
14	H	840	CLA	O2A-C1-C2	4.16	124.13	108.11
13	A	801	CL0	C2D-C1D-ND	4.16	114.25	110.13
17	H	847	BCR	C24-C23-C22	-4.16	120.08	126.23
14	B	806	CLA	CMB-C2B-C1B	4.16	131.76	125.42
17	J	104	BCR	C34-C9-C10	-4.16	116.07	122.82
14	A	840	CLA	CMC-C2C-C1C	4.16	131.53	125.03
14	G	852	CLA	C1C-C2C-C3C	-4.16	102.61	106.98
14	G	802	CLA	C1-C2-C3	-4.16	119.38	126.20
17	h	202	BCR	C8-C7-C6	-4.16	115.89	127.00
14	Y	806	CLA	O2A-C1-C2	4.16	124.10	108.11
17	Z	850	BCR	C36-C18-C17	-4.15	116.09	122.82
14	Z	819	CLA	O2D-CGD-CBD	4.15	118.49	111.23
14	h	205	CLA	C3D-C4D-ND	4.15	116.74	109.99
14	Z	819	CLA	C2B-C1B-NB	4.15	114.63	110.33
14	Z	815	CLA	O2D-CGD-CBD	4.15	118.49	111.23
14	Y	804	CLA	O2A-CGA-O1A	-4.15	113.24	123.63
14	B	830	CLA	C1D-ND-C4D	-4.15	103.40	106.31
14	B	830	CLA	C2D-C1D-ND	4.15	114.23	110.13
14	U	1003	CLA	O2A-CGA-CBA	4.15	124.48	111.83
17	A	846	BCR	C36-C18-C17	-4.15	116.10	122.82
17	L	207	BCR	C37-C22-C21	-4.15	116.10	122.82
14	G	834	CLA	O2D-CGD-CBD	4.15	118.48	111.23
17	H	846	BCR	C39-C30-C25	-4.14	103.74	110.24
14	G	829	CLA	C3D-C2D-C1D	-4.14	100.17	105.83
14	G	833	CLA	O2A-CGA-CBA	4.14	124.47	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	844	BCR	C1-C6-C7	4.14	126.89	115.65
14	Y	829	CLA	O2A-C1-C2	4.14	124.05	108.11
17	S	1104	BCR	C24-C23-C22	-4.14	120.11	126.23
17	J	103	BCR	C33-C5-C6	-4.14	119.97	124.48
17	H	847	BCR	C34-C9-C8	4.14	124.41	118.09
14	B	831	CLA	O2A-CGA-CBA	4.14	124.46	111.83
17	h	202	BCR	C33-C5-C6	-4.14	119.97	124.48
14	G	826	CLA	C2D-C1D-ND	4.14	114.22	110.13
17	Y	853	BCR	C24-C23-C22	-4.14	120.11	126.23
14	B	813	CLA	O2A-CGA-O1A	-4.14	113.27	123.63
14	L	206	CLA	C2C-C1C-NC	4.14	114.33	109.98
14	H	829	CLA	C2D-C1D-ND	4.14	114.22	110.13
17	G	847	BCR	C40-C30-C25	4.14	116.73	110.24
14	H	821	CLA	C2D-C1D-ND	4.14	114.22	110.13
14	Y	827	CLA	C1C-C2C-C3C	-4.14	102.63	106.98
14	B	822	CLA	O2A-CGA-CBA	4.14	124.44	111.83
13	Y	801	CL0	C3B-C2B-C1B	-4.13	102.30	107.17
14	A	826	CLA	C2D-C1D-ND	4.13	114.21	110.13
14	B	807	CLA	C2D-C1D-ND	4.13	114.21	110.13
14	Y	809	CLA	O2D-CGD-CBD	4.13	118.44	111.23
17	U	1009	BCR	C34-C9-C10	-4.13	116.13	122.82
14	h	204	CLA	C4A-NA-C1A	4.13	108.56	106.68
17	Y	852	BCR	C36-C18-C17	-4.12	116.13	122.82
14	B	809	CLA	OBD-CAD-C3D	-4.12	118.78	128.42
14	H	814	CLA	O2A-CGA-CBA	4.12	124.41	111.83
14	d	202	CLA	CMC-C2C-C1C	4.12	131.48	125.03
14	G	828	CLA	C4A-NA-C1A	4.12	108.56	106.68
14	G	807	CLA	C2C-C1C-NC	4.12	114.31	109.98
14	G	802	CLA	C2B-C1B-NB	4.12	114.60	110.33
14	B	807	CLA	O2A-CGA-CBA	4.12	124.40	111.83
14	B	839	CLA	CMC-C2C-C1C	4.12	131.47	125.03
14	B	820	CLA	C1D-ND-C4D	-4.12	103.42	106.31
14	B	838	CLA	C3D-C2D-C1D	-4.12	100.21	105.83
14	A	809	CLA	C4A-NA-C1A	4.12	108.56	106.68
14	A	804	CLA	O2A-CGA-CBA	4.12	124.39	111.83
17	H	845	BCR	C35-C13-C12	4.12	124.07	114.59
14	Y	828	CLA	C4D-C3D-CAD	4.12	112.58	108.11
14	Z	802	CLA	C2B-C1B-NB	4.12	114.59	110.33
14	H	814	CLA	CHD-C1D-ND	-4.12	119.01	124.80
14	B	836	CLA	O2A-CGA-CBA	4.11	124.37	111.83
14	Y	830	CLA	C1D-ND-C4D	-4.11	103.43	106.31
14	h	201	CLA	C2B-C1B-NB	4.11	114.59	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	802	CLA	O2A-CGA-CBA	4.11	124.36	111.83
14	Z	811	CLA	C1-O2A-CGA	4.11	126.60	116.65
17	H	850	BCR	C34-C9-C10	-4.11	116.16	122.82
14	G	815	CLA	O2A-CGA-O1A	-4.11	113.35	123.63
14	A	827	CLA	C3D-C4D-ND	4.11	116.66	109.99
14	G	839	CLA	CHD-C1D-ND	-4.11	119.02	124.80
14	G	853	CLA	C2D-C1D-ND	4.11	114.19	110.13
14	A	826	CLA	C1D-ND-C4D	-4.10	103.43	106.31
14	B	826	CLA	C1D-ND-C4D	-4.10	103.43	106.31
14	B	825	CLA	O1D-CGD-CBD	-4.10	116.43	124.52
14	H	810	CLA	C3C-C4C-NC	4.10	115.69	110.43
14	A	814	CLA	O2A-CGA-O1A	-4.10	113.37	123.63
14	A	835	CLA	O2D-CGD-O1D	-4.10	115.87	123.85
14	H	814	CLA	O2D-CGD-O1D	-4.10	115.87	123.85
14	Z	837	CLA	C2C-C1C-NC	4.10	114.29	109.98
17	A	850	BCR	C24-C23-C22	-4.10	120.17	126.23
14	A	836	CLA	O2D-CGD-CBD	4.10	118.39	111.23
17	Q	203	BCR	C34-C9-C10	-4.10	116.18	122.82
17	S	1104	BCR	C31-C1-C6	-4.10	103.82	110.24
14	A	830	CLA	C1C-C2C-C3C	-4.10	102.67	106.98
14	j	102	CLA	C3B-C2B-C1B	-4.09	102.35	107.17
14	Y	804	CLA	C2B-C1B-NB	4.09	114.57	110.33
14	G	815	CLA	C1-O2A-CGA	4.09	126.55	116.65
17	V	101	BCR	C1-C6-C7	4.09	126.74	115.65
17	T	102	BCR	C34-C9-C8	4.09	124.33	118.09
14	Y	835	CLA	O2A-CGA-O1A	-4.09	113.40	123.63
14	Y	815	CLA	O2A-CGA-CBA	4.09	124.30	111.83
14	Y	803	CLA	O2A-CGA-CBA	4.09	124.30	111.83
14	G	808	CLA	C4A-NA-C1A	4.09	108.54	106.68
14	B	810	CLA	CMA-C3A-C4A	4.09	122.76	111.77
14	B	839	CLA	C3D-C4D-ND	4.09	116.63	109.99
14	B	820	CLA	O2A-CGA-O1A	-4.08	112.83	123.33
14	A	830	CLA	CAC-C3C-C4C	4.08	130.10	124.79
14	j	102	CLA	O2A-CGA-CBA	4.08	126.90	114.00
14	H	840	CLA	C4D-C3D-CAD	4.08	112.54	108.11
14	A	854	CLA	O2A-CGA-CBA	4.08	124.28	111.83
14	Y	802	CLA	C2D-C1D-ND	4.08	114.17	110.13
17	H	843	BCR	C1-C6-C5	-4.08	117.06	122.64
14	L	202	CLA	O2A-CGA-O1A	-4.08	113.42	123.63
14	Y	837	CLA	C1-C2-C3	-4.08	120.16	126.76
14	H	814	CLA	C1-O2A-CGA	4.08	126.52	116.65
17	H	846	BCR	C33-C5-C6	-4.08	120.03	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	854	CLA	C4D-C3D-CAD	4.08	112.53	108.11
14	Y	839	CLA	C1C-C2C-C3C	-4.07	102.69	106.98
17	f	103	BCR	C32-C1-C6	-4.07	103.86	110.24
14	G	814	CLA	C2B-C1B-NB	4.07	114.55	110.33
14	Z	824	CLA	C1D-ND-C4D	-4.07	103.45	106.31
17	S	1105	BCR	C24-C23-C22	-4.07	120.21	126.23
14	B	821	CLA	C4A-NA-C1A	4.07	108.54	106.68
14	Y	809	CLA	C4A-NA-C1A	4.07	108.54	106.68
17	G	846	BCR	C37-C22-C21	-4.07	116.22	122.82
14	G	853	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
14	Z	837	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
17	H	844	BCR	C37-C22-C23	4.07	124.30	118.09
14	G	829	CLA	O2A-CGA-O1A	-4.07	113.45	123.63
14	Z	808	CLA	CMC-C2C-C1C	4.07	131.39	125.03
14	X	1701	CLA	C2D-C1D-ND	4.07	114.15	110.13
14	B	839	CLA	C2B-C1B-NB	4.07	114.54	110.33
14	h	204	CLA	O2A-CGA-O1A	-4.07	113.46	123.63
14	L	205	CLA	O2D-CGD-CBD	4.07	118.34	111.23
14	G	825	CLA	C2D-C1D-ND	4.06	114.15	110.13
14	d	201	CLA	C1C-C2C-C3C	-4.06	102.70	106.98
17	h	207	BCR	C7-C8-C9	-4.06	120.22	126.23
14	Y	835	CLA	OBD-CAD-C3D	-4.06	118.92	128.42
17	J	104	BCR	C40-C30-C25	4.06	116.62	110.24
14	Z	809	CLA	CMA-C3A-C4A	4.06	122.69	111.77
14	h	206	CLA	CHD-C1D-ND	-4.06	119.09	124.80
14	Z	833	CLA	C4D-C3D-CAD	4.06	112.52	108.11
14	A	820	CLA	C3B-C2B-C1B	-4.06	102.38	107.17
14	Z	833	CLA	C2D-C1D-ND	4.06	114.14	110.13
14	U	1007	CLA	CMB-C2B-C1B	4.06	131.60	125.42
14	A	813	CLA	O2D-CGD-O1D	-4.06	115.94	123.85
14	G	803	CLA	C1D-ND-C4D	-4.06	103.46	106.31
14	h	201	CLA	O2A-C1-C2	4.06	123.73	108.11
18	j	101	LHG	O7-C7-C8	4.06	120.26	111.48
17	L	207	BCR	C34-C9-C8	4.06	124.29	118.09
17	G	849	BCR	C7-C8-C9	-4.06	120.23	126.23
14	H	851	CLA	C1-O2A-CGA	4.06	126.47	116.65
14	Z	812	CLA	O2D-CGD-CBD	4.06	118.32	111.23
14	H	803	CLA	C3D-C2D-C1D	-4.06	100.29	105.83
13	Y	801	CL0	C2D-C1D-ND	4.06	114.14	110.13
14	Y	810	CLA	O2D-CGD-CBD	4.06	118.32	111.23
17	L	208	BCR	C33-C5-C6	-4.06	120.06	124.48
14	A	808	CLA	CMA-C3A-C4A	4.05	122.67	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	826	CLA	O2A-CGA-O1A	-4.05	113.49	123.63
14	G	810	CLA	C4A-NA-C1A	4.05	108.53	106.68
17	Z	845	BCR	C34-C9-C10	-4.05	116.25	122.82
14	Y	829	CLA	C3D-C2D-C1D	-4.05	100.30	105.83
14	A	817	CLA	O2A-CGA-CBA	4.05	124.18	111.83
17	A	848	BCR	C34-C9-C10	-4.05	116.26	122.82
14	B	807	CLA	C3D-C2D-C1D	-4.05	100.31	105.83
14	A	833	CLA	C1D-ND-C4D	-4.05	103.47	106.31
17	U	1009	BCR	C1-C6-C5	-4.05	117.11	122.64
17	B	843	BCR	C34-C9-C10	-4.04	116.26	122.82
14	G	838	CLA	CHD-C1D-ND	-4.04	119.11	124.80
14	H	836	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
14	B	833	CLA	O2A-CGA-O1A	-4.04	112.94	123.33
14	H	813	CLA	O2A-CGA-CBA	4.04	124.16	111.83
14	A	813	CLA	C3B-C2B-C1B	-4.04	102.41	107.17
14	A	828	CLA	O2A-CGA-O1A	-4.04	113.53	123.63
14	h	204	CLA	CED-O2D-CGD	4.04	125.08	115.92
17	G	847	BCR	C38-C26-C25	-4.04	120.08	124.48
14	H	826	CLA	C1-C2-C3	-4.04	119.58	126.20
17	T	102	BCR	C37-C22-C21	-4.03	116.28	122.82
14	H	820	CLA	O2A-CGA-O1A	-4.03	112.95	123.33
14	Z	820	CLA	O2D-CGD-CBD	4.03	118.28	111.23
17	M	101	BCR	C24-C23-C22	-4.03	120.27	126.23
14	H	805	CLA	O2D-CGD-CBD	4.03	118.28	111.23
14	Y	836	CLA	O2A-CGA-O1A	-4.03	113.54	123.63
17	Y	849	BCR	C1-C6-C5	-4.03	117.13	122.64
14	A	842	CLA	C4D-C3D-CAD	4.03	112.48	108.11
14	G	832	CLA	O2D-CGD-CBD	4.03	118.27	111.23
14	G	818	CLA	O2A-C1-C2	4.03	123.61	108.11
17	H	845	BCR	C36-C18-C17	-4.03	116.29	122.82
14	H	817	CLA	C4D-C3D-CAD	4.03	112.48	108.11
14	Y	815	CLA	C2B-C1B-NB	4.03	114.50	110.33
14	G	837	CLA	O2D-CGD-O1D	-4.03	116.01	123.85
14	g	101	CLA	CAC-C3C-C4C	4.03	130.03	124.79
17	A	851	BCR	C37-C22-C21	-4.03	116.29	122.82
14	Y	819	CLA	C2B-C1B-NB	4.02	114.50	110.33
14	G	852	CLA	O2D-CGD-CBD	4.02	118.26	111.23
14	A	836	CLA	C2B-C1B-NB	4.02	114.50	110.33
14	X	1701	CLA	C1D-ND-C4D	-4.02	103.49	106.31
17	H	843	BCR	C24-C23-C22	-4.02	120.29	126.23
17	H	846	BCR	C37-C22-C21	-4.02	116.30	122.82
14	G	825	CLA	C1D-ND-C4D	-4.02	103.49	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	805	CLA	CHD-C1D-ND	-4.02	119.14	124.80
14	A	815	CLA	O2D-CGD-CBD	4.02	118.26	111.23
14	Z	828	CLA	C4A-NA-C1A	4.02	108.51	106.68
14	G	831	CLA	O2A-CGA-O1A	-4.01	113.59	123.63
14	Y	817	CLA	O2D-CGD-CBD	4.01	118.25	111.23
14	H	822	CLA	O2A-CGA-CBA	4.01	124.08	111.83
14	A	833	CLA	C6-C5-C3	-4.01	103.69	113.47
14	H	823	CLA	O2D-CGD-CBD	4.01	118.25	111.23
14	A	810	CLA	O2A-C1-C2	4.01	123.55	108.11
14	Z	824	CLA	C2D-C1D-ND	4.01	114.10	110.13
14	B	829	CLA	O2A-CGA-CBA	4.01	126.67	114.00
14	B	834	CLA	C4A-NA-C1A	4.01	108.51	106.68
14	Y	817	CLA	CMC-C2C-C1C	4.01	131.30	125.03
14	H	839	CLA	CMC-C2C-C1C	4.01	131.30	125.03
14	H	840	CLA	C1C-C2C-C3C	-4.01	102.77	106.98
17	Z	844	BCR	C36-C18-C17	-4.01	116.33	122.82
14	G	817	CLA	O2A-CGA-CBA	4.01	124.05	111.83
14	B	819	CLA	C2B-C1B-NB	4.00	114.48	110.33
17	L	208	BCR	C31-C1-C6	-4.00	103.96	110.24
14	A	825	CLA	C1C-C2C-C3C	-4.00	102.77	106.98
14	A	825	CLA	C2C-C1C-NC	4.00	114.19	109.98
14	G	807	CLA	O2A-CGA-CBA	4.00	124.04	111.83
14	Y	803	CLA	O2A-C1-C2	4.00	123.51	108.11
14	H	805	CLA	O2A-CGA-CBA	4.00	124.04	111.83
17	Z	844	BCR	C33-C5-C6	-4.00	120.12	124.48
17	Q	203	BCR	C35-C13-C14	-4.00	116.33	122.82
17	A	849	BCR	C34-C9-C10	-4.00	116.33	122.82
14	G	840	CLA	O2A-CGA-O1A	-4.00	113.63	123.63
14	B	807	CLA	C3B-C2B-C1B	-4.00	102.46	107.17
14	Y	839	CLA	O2A-CGA-O1A	-4.00	113.63	123.63
14	Z	807	CLA	O2A-CGA-CBA	4.00	124.02	111.83
17	Y	847	BCR	C24-C23-C22	-4.00	120.32	126.23
14	Z	840	CLA	C3B-C2B-C1B	-4.00	102.46	107.17
14	H	808	CLA	O2A-CGA-CBA	3.99	124.02	111.83
14	Y	828	CLA	C2C-C1C-NC	3.99	114.17	109.98
14	A	831	CLA	C3B-C2B-C1B	-3.99	102.46	107.17
14	G	824	CLA	C4A-NA-C1A	3.99	108.50	106.68
14	U	1006	CLA	O2A-CGA-CBA	3.99	124.00	111.83
14	G	819	CLA	C1-O2A-CGA	3.99	126.31	116.65
17	G	845	BCR	C37-C22-C23	3.99	124.18	118.09
17	B	846	BCR	C1-C6-C5	-3.99	117.18	122.64
17	f	103	BCR	C34-C9-C8	3.99	124.18	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	812	CLA	O2A-CGA-CBA	3.99	123.99	111.83
14	h	201	CLA	C1D-ND-C4D	-3.99	103.52	106.31
14	A	804	CLA	C2D-C1D-ND	3.99	114.07	110.13
14	B	816	CLA	C1D-ND-C4D	-3.98	103.52	106.31
14	Z	817	CLA	C4D-C3D-CAD	3.98	112.43	108.11
14	G	822	CLA	CHD-C1D-ND	-3.98	119.20	124.80
14	Y	816	CLA	O2A-CGA-CBA	3.98	123.97	111.83
14	G	815	CLA	O2A-C1-C2	3.98	123.42	108.11
14	d	201	CLA	O2A-CGA-O1A	-3.98	113.67	123.63
14	G	811	CLA	O2D-CGD-CBD	3.98	118.18	111.23
14	B	811	CLA	O2A-C1-C2	3.98	123.41	108.11
14	G	838	CLA	C2D-C1D-ND	3.97	114.06	110.13
17	Y	849	BCR	C37-C22-C23	3.97	124.16	118.09
14	B	806	CLA	C2D-C1D-ND	3.97	114.06	110.13
14	B	822	CLA	O2D-CGD-CBD	3.97	118.18	111.23
14	Z	805	CLA	C2B-C1B-NB	3.97	114.44	110.33
17	Y	846	BCR	C34-C9-C8	3.97	124.15	118.09
14	Y	832	CLA	C3D-C2D-C1D	-3.97	100.41	105.83
14	H	851	CLA	C2B-C1B-NB	3.97	114.44	110.33
14	Y	838	CLA	CAC-C3C-C4C	3.97	129.95	124.79
14	G	805	CLA	CMA-C3A-C4A	3.97	122.43	111.77
17	U	1008	BCR	C24-C23-C22	-3.96	120.37	126.23
14	A	808	CLA	O2D-CGD-O1D	-3.96	116.13	123.85
17	A	851	BCR	C39-C30-C25	-3.96	104.03	110.24
14	A	827	CLA	C3D-C2D-C1D	-3.96	100.43	105.83
14	L	204	CLA	CMC-C2C-C1C	3.96	131.22	125.03
14	H	831	CLA	CMC-C2C-C1C	3.96	131.22	125.03
14	Y	823	CLA	O2A-CGA-CBA	3.96	123.91	111.83
17	S	1105	BCR	C32-C1-C6	3.96	116.45	110.24
14	B	828	CLA	C2B-C1B-NB	3.96	114.43	110.33
17	i	101	BCR	C7-C6-C5	-3.95	112.45	121.56
14	Z	814	CLA	CMA-C3A-C4A	3.95	122.40	111.77
14	G	828	CLA	C2B-C1B-NB	3.95	114.42	110.33
14	G	824	CLA	CMA-C3A-C4A	3.95	122.39	111.77
14	G	852	CLA	C3D-C2D-C1D	-3.95	100.44	105.83
14	H	832	CLA	O2A-CGA-O1A	-3.95	113.75	123.63
17	R	101	BCR	C34-C9-C8	3.95	124.12	118.09
17	G	849	BCR	C40-C30-C25	3.95	116.44	110.24
14	B	803	CLA	C4D-C3D-CAD	3.95	112.39	108.11
14	U	1003	CLA	C3D-C2D-C1D	-3.95	100.44	105.83
17	e	101	BCR	C8-C7-C6	-3.95	116.45	127.00
14	A	815	CLA	O2A-CGA-CBA	3.95	123.87	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	802	CLA	O2A-CGA-O1A	-3.95	113.75	123.63
14	h	201	CLA	O2D-CGD-CBD	3.95	118.13	111.23
14	Z	812	CLA	O2A-CGA-CBA	3.95	123.86	111.83
14	L	205	CLA	O2A-CGA-CBA	3.94	123.86	111.83
17	Y	852	BCR	C34-C9-C8	3.94	124.11	118.09
14	A	840	CLA	O2A-CGA-O1A	-3.94	113.77	123.63
13	G	801	CL0	C4-C3-C5	3.94	122.07	115.23
14	A	816	CLA	C2B-C1B-NB	3.94	114.41	110.33
18	G	850	LHG	O8-C23-C24	3.94	123.85	111.83
14	Z	812	CLA	CMC-C2C-C1C	3.94	131.19	125.03
17	A	847	BCR	C24-C23-C22	-3.94	120.41	126.23
17	e	101	BCR	C24-C23-C22	-3.94	120.41	126.23
14	G	810	CLA	C2B-C1B-NB	3.94	114.41	110.33
14	H	828	CLA	O2D-CGD-CBD	3.93	118.11	111.23
14	Z	807	CLA	O2D-CGD-CBD	3.93	118.11	111.23
14	Y	819	CLA	O2A-C1-C2	3.93	123.24	108.11
17	H	842	BCR	C36-C18-C17	-3.93	116.45	122.82
17	i	101	BCR	C34-C9-C10	-3.93	116.45	122.82
14	B	806	CLA	O2D-CGD-O1D	-3.93	116.20	123.85
14	Z	804	CLA	O2A-CGA-O1A	-3.93	113.80	123.63
14	Y	827	CLA	O2A-CGA-O1A	-3.93	113.80	123.63
14	G	829	CLA	O2A-CGA-CBA	3.93	123.81	111.83
14	G	828	CLA	O2A-CGA-CBA	3.92	123.80	111.83
14	G	841	CLA	O2A-CGA-CBA	3.92	123.80	111.83
14	U	1007	CLA	C2B-C1B-NB	3.92	114.39	110.33
14	A	806	CLA	O2A-CGA-CBA	3.92	123.79	111.83
14	A	818	CLA	CMC-C2C-C1C	3.92	131.16	125.03
14	Y	838	CLA	C1D-ND-C4D	-3.92	103.56	106.31
17	G	849	BCR	C34-C9-C8	3.92	124.08	118.09
14	Y	832	CLA	O2A-CGA-O1A	-3.92	113.83	123.63
17	A	847	BCR	C34-C9-C8	3.92	124.07	118.09
14	Z	823	CLA	O2A-CGA-CBA	3.92	123.78	111.83
17	F	201	BCR	C32-C1-C6	-3.92	104.10	110.24
14	Z	834	CLA	C2B-C1B-NB	3.92	114.39	110.33
13	A	801	CL0	C4D-C3D-CAD	3.92	112.36	108.11
14	H	824	CLA	C1D-ND-C4D	-3.92	103.56	106.31
14	B	808	CLA	O2D-CGD-CBD	3.91	118.07	111.23
14	H	801	CLA	O2D-CGD-CBD	3.91	118.07	111.23
14	Y	826	CLA	O2D-CGD-CBD	3.91	118.07	111.23
14	H	827	CLA	O2A-CGA-CBA	3.91	123.77	111.83
14	Z	828	CLA	C2D-C1D-ND	3.91	114.00	110.13
17	L	208	BCR	C36-C18-C17	-3.91	116.48	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	810	CLA	C4D-C3D-CAD	3.91	112.36	108.11
14	G	825	CLA	O2A-CGA-CBA	3.91	123.75	111.83
14	G	824	CLA	C3D-C4D-ND	3.91	116.34	109.99
14	Z	819	CLA	CAC-C3C-C4C	3.91	129.87	124.79
14	G	808	CLA	O2A-CGA-CBA	3.91	123.75	111.83
14	G	838	CLA	C4A-NA-C1A	3.91	108.46	106.68
14	A	804	CLA	CAC-C3C-C4C	3.91	129.87	124.79
14	B	839	CLA	C4A-NA-C1A	3.90	108.46	106.68
17	A	848	BCR	C24-C23-C22	-3.90	120.46	126.23
14	G	825	CLA	O2D-CGD-CBD	3.90	118.05	111.23
14	A	803	CLA	C1D-ND-C4D	-3.90	103.57	106.31
17	B	846	BCR	C34-C9-C10	-3.90	116.49	122.82
13	A	801	CL0	CMB-C2B-C1B	3.90	131.36	125.42
14	Y	839	CLA	OBD-CAD-C3D	-3.90	119.30	128.42
14	A	828	CLA	O2D-CGD-CBD	3.90	118.05	111.23
14	Y	825	CLA	O2A-CGA-O1A	-3.90	113.88	123.63
14	Z	827	CLA	OBD-CAD-C3D	-3.90	119.30	128.42
14	Y	823	CLA	C3D-C4D-ND	3.90	116.32	109.99
14	Z	807	CLA	C4A-NA-C1A	3.90	108.46	106.68
14	Y	813	CLA	O2D-CGD-CBD	3.90	118.04	111.23
14	B	838	CLA	C2D-C1D-ND	3.90	113.98	110.13
14	H	832	CLA	O2A-C1-C2	3.89	123.09	108.11
14	Y	838	CLA	C2D-C1D-ND	3.89	113.98	110.13
14	A	820	CLA	C4A-NA-C1A	3.89	108.45	106.68
14	Z	818	CLA	C1D-ND-C4D	-3.89	103.58	106.31
17	h	207	BCR	C15-C14-C13	-3.89	121.82	127.28
14	B	839	CLA	CHD-C1D-ND	-3.89	119.33	124.80
14	B	840	CLA	C2B-C1B-NB	3.89	114.36	110.33
17	J	103	BCR	C34-C9-C8	3.89	124.03	118.09
14	h	201	CLA	O2A-CGA-CBA	3.89	123.70	111.83
17	Y	852	BCR	C33-C5-C6	-3.89	120.24	124.48
18	A	852	LHG	O8-C23-C24	3.89	123.69	111.83
14	H	813	CLA	C1-C2-C3	-3.89	119.83	126.20
14	B	809	CLA	O2D-CGD-CBD	3.89	118.02	111.23
14	H	811	CLA	C2B-C1B-NB	3.89	114.36	110.33
14	Y	832	CLA	O2A-C1-C2	3.89	123.06	108.11
15	Y	842	PQN	C12-C11-C3	-3.88	102.51	112.08
17	J	104	BCR	C37-C22-C21	-3.88	116.52	122.82
14	A	824	CLA	C4A-NA-C1A	3.88	108.45	106.68
14	A	825	CLA	C4A-NA-C1A	3.88	108.45	106.68
14	Z	838	CLA	O2D-CGD-CBD	3.88	118.02	111.23
13	G	801	CL0	C3D-C2D-C1D	-3.88	100.53	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	846	BCR	C3-C4-C5	-3.88	107.14	114.06
14	A	817	CLA	C3B-C2B-C1B	-3.88	102.59	107.17
14	Y	817	CLA	O2A-CGA-O1A	-3.88	113.93	123.63
14	B	835	CLA	CMA-C3A-C4A	3.88	122.19	111.77
14	A	816	CLA	CMC-C2C-C1C	3.88	131.09	125.03
14	B	818	CLA	O2D-CGD-CBD	3.88	118.00	111.23
14	L	202	CLA	CMC-C2C-C1C	3.87	131.09	125.03
14	B	807	CLA	C4D-C3D-CAD	3.87	112.31	108.11
14	G	839	CLA	CMD-C2D-C3D	-3.87	118.81	127.69
14	G	805	CLA	O2A-CGA-CBA	3.87	123.64	111.83
14	H	806	CLA	CAA-C2A-C3A	-3.87	102.53	113.00
14	Y	837	CLA	O2A-CGA-O1A	-3.87	113.94	123.63
14	Z	806	CLA	CAC-C3C-C4C	3.87	129.82	124.79
14	H	829	CLA	C1-O2A-CGA	3.87	126.02	116.65
14	B	840	CLA	C1-O2A-CGA	3.87	126.02	116.65
14	A	838	CLA	C1D-ND-C4D	-3.87	103.60	106.31
14	f	102	CLA	O2A-C1-C2	3.87	122.98	108.11
14	Y	802	CLA	C1D-ND-C4D	-3.87	103.60	106.31
14	B	826	CLA	C2B-C1B-NB	3.86	114.33	110.33
14	G	836	CLA	O2A-C1-C2	3.86	122.97	108.11
14	G	814	CLA	CBA-CAA-C2A	3.86	125.29	113.79
17	Z	843	BCR	C28-C27-C26	-3.86	107.17	114.06
14	G	815	CLA	O2D-CGD-O1D	-3.86	116.33	123.85
14	Y	838	CLA	O2A-CGA-CBA	3.86	123.59	111.83
14	B	835	CLA	CMC-C2C-C1C	3.85	131.06	125.03
14	d	201	CLA	O2A-CGA-CBA	3.85	123.58	111.83
14	Y	824	CLA	OBD-CAD-C3D	-3.85	119.42	128.42
14	B	839	CLA	C1C-C2C-C3C	-3.85	102.93	106.98
14	Z	816	CLA	O2A-CGA-O1A	-3.85	113.43	123.33
14	H	803	CLA	CHB-C4A-NA	3.85	129.95	124.40
17	Z	845	BCR	C33-C5-C6	-3.85	120.28	124.48
14	Z	835	CLA	C2B-C1B-NB	3.85	114.31	110.33
14	H	823	CLA	CHD-C1D-ND	-3.85	119.39	124.80
14	Z	833	CLA	C3D-C4D-ND	3.84	116.24	109.99
14	G	809	CLA	C2B-C1B-NB	3.84	114.31	110.33
17	G	846	BCR	C24-C23-C22	-3.84	120.55	126.23
17	G	846	BCR	C7-C6-C5	-3.84	112.70	121.56
14	A	808	CLA	O2A-C1-C2	3.84	122.89	108.11
14	Y	807	CLA	CHD-C1D-ND	-3.84	119.40	124.80
14	L	202	CLA	C4-C3-C5	3.84	121.89	115.23
14	G	823	CLA	C4D-C3D-CAD	3.84	112.28	108.11
14	H	815	CLA	CMA-C3A-C4A	3.84	122.09	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	817	CLA	CMA-C3A-C4A	3.84	122.08	111.77
13	G	801	CL0	CMC-C2C-C1C	3.84	131.03	125.03
14	L	201	CLA	CMC-C2C-C1C	3.84	131.03	125.03
14	H	827	CLA	C1C-C2C-C3C	-3.84	102.95	106.98
14	U	1003	CLA	C3D-C4D-ND	3.83	116.22	109.99
14	Z	825	CLA	O2D-CGD-CBD	3.83	117.93	111.23
14	B	825	CLA	C1-C2-C3	-3.83	119.92	126.20
14	B	816	CLA	CAC-C3C-C4C	3.83	129.77	124.79
14	Y	837	CLA	C4A-NA-C1A	3.83	108.43	106.68
17	Y	845	BCR	C37-C22-C21	-3.83	116.61	122.82
14	A	807	CLA	C4A-NA-C1A	3.83	108.42	106.68
17	B	847	BCR	C34-C9-C8	3.83	123.93	118.09
14	h	204	CLA	C1D-ND-C4D	-3.83	103.63	106.31
14	Z	819	CLA	CMA-C3A-C4A	3.83	122.06	111.77
14	A	841	CLA	C4A-NA-C1A	3.82	108.42	106.68
14	G	836	CLA	C4A-NA-C1A	3.82	108.42	106.68
14	Z	823	CLA	O2D-CGD-O1D	-3.82	116.41	123.85
14	A	828	CLA	C1C-C2C-C3C	-3.82	102.96	106.98
17	F	203	BCR	C36-C18-C17	-3.82	116.63	122.82
14	H	804	CLA	O2A-CGA-CBA	3.82	123.47	111.83
14	Z	804	CLA	C1D-ND-C4D	-3.82	103.64	106.31
14	B	811	CLA	O2A-CGA-CBA	3.82	123.47	111.83
14	H	807	CLA	CMB-C2B-C1B	3.81	131.23	125.42
14	Y	832	CLA	C1D-ND-C4D	-3.81	103.64	106.31
14	f	101	CLA	O2D-CGD-O1D	-3.81	116.43	123.85
17	S	1104	BCR	C29-C30-C25	-3.81	104.90	110.44
14	Y	836	CLA	O2A-CGA-CBA	3.81	123.45	111.83
14	G	835	CLA	CHD-C1D-ND	-3.81	119.44	124.80
17	H	846	BCR	C1-C6-C7	3.81	125.98	115.65
14	G	813	CLA	O2A-CGA-CBA	3.81	123.44	111.83
14	B	840	CLA	CHD-C1D-ND	-3.81	119.44	124.80
14	G	831	CLA	C2B-C1B-NB	3.81	114.27	110.33
14	A	823	CLA	C2B-C1B-NB	3.80	114.27	110.33
17	H	847	BCR	C30-C25-C26	-3.80	117.44	122.64
17	G	845	BCR	C36-C18-C17	-3.80	116.66	122.82
14	Z	834	CLA	CED-O2D-CGD	3.80	124.54	115.92
14	h	206	CLA	C2B-C1B-NB	3.80	114.27	110.33
14	Z	813	CLA	O2A-CGA-CBA	3.80	126.00	114.00
17	V	101	BCR	C33-C5-C6	-3.80	120.34	124.48
14	G	819	CLA	C2B-C1B-NB	3.80	114.27	110.33
15	A	844	PQN	C14-C13-C15	3.80	121.82	115.23
14	G	813	CLA	C4A-NA-C1A	3.80	108.41	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	V	101	BCR	C23-C24-C25	-3.80	116.86	127.00
14	H	803	CLA	O2A-CGA-O1A	-3.79	114.14	123.63
14	Z	808	CLA	CMB-C2B-C1B	3.79	131.20	125.42
14	Y	827	CLA	OBD-CAD-C3D	-3.79	119.55	128.42
14	Y	835	CLA	O2A-CGA-CBA	3.79	123.40	111.83
17	h	202	BCR	C24-C23-C22	-3.79	120.62	126.23
14	G	804	CLA	O1D-CGD-CBD	-3.79	117.04	124.52
14	L	206	CLA	C3D-C4D-ND	3.79	116.15	109.99
14	B	801	CLA	C3B-C2B-C1B	-3.79	102.70	107.17
14	G	804	CLA	C2B-C1B-NB	3.79	114.26	110.33
17	G	848	BCR	C30-C25-C26	-3.79	117.46	122.64
14	L	204	CLA	O2D-CGD-CBD	3.79	117.85	111.23
14	B	806	CLA	C1D-ND-C4D	-3.79	103.66	106.31
14	A	840	CLA	O2A-CGA-CBA	3.79	123.38	111.83
17	A	846	BCR	C38-C26-C25	3.79	128.62	124.48
17	Y	847	BCR	C33-C5-C6	-3.79	120.35	124.48
17	B	842	BCR	C15-C14-C13	-3.79	121.97	127.28
14	A	840	CLA	O2A-C1-C2	3.78	122.67	108.11
18	H	849	LHG	O7-C7-C8	3.78	119.66	111.48
14	Z	838	CLA	O2A-CGA-CBA	3.78	123.37	111.83
17	Y	853	BCR	C3-C4-C5	-3.78	107.31	114.06
14	S	1103	CLA	O1D-CGD-CBD	-3.78	117.06	124.52
17	e	101	BCR	C33-C5-C6	-3.78	120.36	124.48
14	Z	835	CLA	C3D-C4D-ND	3.78	116.13	109.99
17	S	1105	BCR	C37-C22-C23	3.78	123.86	118.09
14	Y	815	CLA	O2D-CGD-O1D	-3.78	116.49	123.85
14	G	829	CLA	C1D-ND-C4D	-3.78	103.66	106.31
14	B	804	CLA	C3D-C4D-ND	3.78	116.12	109.99
14	A	819	CLA	C1C-C2C-C3C	-3.78	103.01	106.98
17	H	846	BCR	C8-C7-C6	-3.77	116.91	127.00
14	H	802	CLA	O2A-CGA-CBA	3.77	123.34	111.83
17	R	102	BCR	C24-C23-C22	-3.77	120.65	126.23
14	Z	833	CLA	O1D-CGD-CBD	-3.77	117.08	124.52
14	Z	820	CLA	O2A-CGA-O1A	-3.77	114.19	123.63
14	Z	841	CLA	O2A-CGA-CBA	3.77	123.34	111.83
14	G	822	CLA	C3D-C4D-ND	3.77	116.12	109.99
14	U	1006	CLA	O2D-CGD-CBD	3.77	117.82	111.23
14	A	830	CLA	C4A-NA-C1A	3.77	108.40	106.68
14	H	832	CLA	O2A-CGA-CBA	3.77	123.33	111.83
14	G	815	CLA	C2B-C1B-NB	3.77	114.23	110.33
14	Z	833	CLA	C3D-C2D-C1D	-3.77	100.69	105.83
14	Z	838	CLA	CMB-C2B-C1B	3.77	131.15	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	821	CLA	C2B-C1B-NB	3.77	114.23	110.33
14	B	823	CLA	O2A-CGA-CBA	3.77	123.31	111.83
17	S	1105	BCR	C7-C8-C9	-3.76	120.67	126.23
14	B	802	CLA	C3D-C2D-C1D	-3.76	100.69	105.83
14	T	103	CLA	C4A-NA-C1A	3.76	108.40	106.68
17	Z	844	BCR	C8-C7-C6	-3.76	116.94	127.00
14	H	819	CLA	O2D-CGD-CBD	3.76	117.81	111.23
14	Z	821	CLA	C2B-C1B-NB	3.76	114.23	110.33
14	Y	811	CLA	O2A-CGA-CBA	3.76	123.31	111.83
14	J	102	CLA	C2B-C1B-NB	3.76	114.23	110.33
14	Y	805	CLA	CGD-CBD-CAD	-3.76	98.67	110.85
17	Y	844	BCR	C34-C9-C8	3.76	123.83	118.09
14	B	801	CLA	O2D-CGD-CBD	3.76	117.80	111.23
14	Z	806	CLA	C2B-C1B-NB	3.75	114.22	110.33
14	H	837	CLA	C1-O2A-CGA	3.75	125.74	116.65
17	Q	203	BCR	C27-C26-C25	-3.75	117.63	122.70
14	Y	823	CLA	O2D-CGD-O1D	-3.75	116.55	123.85
14	G	808	CLA	C2C-C1C-NC	3.75	113.92	109.98
14	Y	829	CLA	C4A-NA-C1A	3.75	108.39	106.68
14	H	803	CLA	C2D-C1D-ND	3.75	113.84	110.13
14	B	825	CLA	O2A-C1-C2	3.75	122.54	108.11
17	Y	849	BCR	C34-C9-C8	3.75	123.81	118.09
14	A	818	CLA	O2A-CGA-CBA	3.75	123.27	111.83
17	F	203	BCR	C34-C9-C8	3.75	123.81	118.09
14	Z	804	CLA	C2D-C1D-ND	3.75	113.83	110.13
14	H	832	CLA	CMB-C2B-C1B	3.74	131.12	125.42
17	Y	847	BCR	C30-C25-C24	3.74	125.81	115.65
14	G	821	CLA	C3D-C4D-ND	3.74	116.07	109.99
14	H	827	CLA	O2D-CGD-CBD	3.74	117.77	111.23
17	U	1005	BCR	C28-C27-C26	-3.74	107.38	114.06
14	Y	822	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	A	835	CLA	O2A-CGA-O1A	-3.74	113.71	123.33
14	G	809	CLA	CMC-C2C-C1C	3.74	130.88	125.03
14	B	821	CLA	O2A-CGA-CBA	3.74	123.24	111.83
14	Y	816	CLA	C4A-NA-C1A	3.74	108.39	106.68
14	Y	825	CLA	O2A-CGA-CBA	3.74	123.23	111.83
14	G	808	CLA	CHD-C1D-ND	-3.74	119.54	124.80
14	Z	818	CLA	C2B-C1B-NB	3.74	114.20	110.33
14	H	840	CLA	C3C-C4C-NC	3.74	115.22	110.43
14	B	827	CLA	CMB-C2B-C1B	3.74	131.11	125.42
17	M	101	BCR	C39-C30-C25	-3.74	104.38	110.24
17	A	848	BCR	C33-C5-C6	-3.74	120.41	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	836	CLA	C1-O2A-CGA	3.73	125.69	116.65
14	G	831	CLA	O2D-CGD-O1D	-3.73	116.58	123.85
14	Y	821	CLA	O2A-CGA-O1A	-3.73	114.29	123.63
14	G	824	CLA	CMC-C2C-C1C	3.73	130.87	125.03
14	Y	836	CLA	C2B-C1B-NB	3.73	114.19	110.33
14	H	829	CLA	O2A-CGA-CBA	3.73	123.21	111.83
14	K	101	CLA	C4D-C3D-CAD	3.73	112.36	107.69
17	H	850	BCR	C3-C4-C5	-3.73	107.41	114.06
14	H	824	CLA	O2A-C1-C2	3.73	122.46	108.11
14	B	832	CLA	O1D-CGD-CBD	-3.73	117.17	124.52
14	Y	829	CLA	C2D-C1D-ND	3.73	113.81	110.13
14	G	826	CLA	CMB-C2B-C1B	3.73	131.09	125.42
17	B	850	BCR	C23-C22-C21	3.73	124.87	119.01
14	T	103	CLA	CMA-C3A-C4A	3.73	121.79	111.77
14	A	823	CLA	O2D-CGD-O1D	-3.73	116.60	123.85
14	Z	813	CLA	O2D-CGD-CBD	3.72	117.74	111.23
17	I	102	BCR	C15-C14-C13	-3.72	122.05	127.28
14	A	816	CLA	O2A-CGA-CBA	3.72	123.19	111.83
14	A	822	CLA	O2A-CGA-CBA	3.72	123.19	111.83
14	T	101	CLA	OBD-CAD-C3D	-3.72	122.54	128.60
14	G	829	CLA	C4A-NA-C1A	3.72	108.38	106.68
14	G	840	CLA	C2B-C1B-NB	3.72	114.19	110.33
14	Y	829	CLA	O2A-CGA-O1A	-3.72	114.32	123.63
14	H	815	CLA	O2A-CGA-CBA	3.72	125.75	114.00
14	B	804	CLA	CHD-C1D-ND	-3.72	119.57	124.80
17	B	847	BCR	C7-C8-C9	-3.72	120.73	126.23
19	B	848	LMG	O7-C10-C11	3.72	119.53	111.48
14	d	201	CLA	C2B-C1B-NB	3.72	114.18	110.33
14	H	837	CLA	CMC-C2C-C1C	3.72	130.84	125.03
17	L	207	BCR	C36-C18-C17	-3.72	116.80	122.82
17	A	849	BCR	C33-C5-C6	-3.72	120.43	124.48
14	A	814	CLA	C2B-C1B-NB	3.71	114.18	110.33
14	H	807	CLA	C3C-C4C-NC	3.71	115.19	110.43
14	h	201	CLA	C4A-NA-C1A	3.71	108.37	106.68
14	Z	801	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	G	826	CLA	C4D-C3D-CAD	3.71	112.14	108.11
14	Z	828	CLA	C1D-ND-C4D	-3.71	103.71	106.31
14	A	825	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	d	201	CLA	O2D-CGD-O1D	-3.71	116.63	123.85
14	G	814	CLA	O2D-CGD-CBD	3.71	117.71	111.23
14	B	827	CLA	C2B-C1B-NB	3.71	114.17	110.33
14	H	806	CLA	C2D-C1D-ND	3.71	113.80	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	827	CLA	O2A-CGA-CBA	3.71	123.14	111.83
14	Z	807	CLA	OBD-CAD-C3D	-3.70	119.76	128.42
17	f	103	BCR	C24-C23-C22	-3.70	120.75	126.23
14	H	817	CLA	C1-C2-C3	-3.70	120.13	126.20
14	A	822	CLA	O2D-CGD-CBD	3.70	117.70	111.23
17	Y	849	BCR	C7-C6-C5	-3.70	113.03	121.56
14	Y	809	CLA	CAC-C3C-C4C	3.70	129.61	124.79
17	A	849	BCR	C28-C27-C26	-3.70	107.46	114.06
14	G	834	CLA	C2B-C1B-NB	3.70	114.16	110.33
14	Z	819	CLA	CHD-C1D-ND	-3.70	119.60	124.80
17	G	845	BCR	C27-C26-C25	-3.70	117.71	122.70
14	H	809	CLA	C1D-ND-C4D	-3.70	103.72	106.31
17	A	848	BCR	C34-C9-C8	3.70	123.73	118.09
14	A	827	CLA	O2D-CGD-CBD	3.70	117.69	111.23
14	A	814	CLA	O2A-CGA-CBA	3.70	123.10	111.83
14	H	831	CLA	CHD-C1D-ND	-3.70	119.60	124.80
14	Z	815	CLA	O2A-CGA-CBA	3.69	123.10	111.83
14	G	833	CLA	CMB-C2B-C1B	3.69	131.04	125.42
14	Z	839	CLA	O2D-CGD-O1D	-3.69	116.66	123.85
14	L	204	CLA	CHD-C1D-ND	-3.69	119.61	124.80
17	R	102	BCR	C7-C8-C9	-3.69	120.77	126.23
14	A	836	CLA	O2A-C1-C2	3.69	122.32	108.11
14	G	822	CLA	O2D-CGD-O1D	-3.69	116.66	123.85
14	A	839	CLA	C4D-C3D-CAD	3.69	112.12	108.11
17	Z	845	BCR	C8-C7-C6	-3.69	117.14	127.00
17	A	846	BCR	C33-C5-C6	-3.69	120.46	124.48
14	G	820	CLA	C4A-NA-C1A	3.69	108.36	106.68
14	G	819	CLA	CHD-C1D-ND	-3.69	119.61	124.80
17	G	849	BCR	C39-C30-C25	-3.69	104.46	110.24
14	A	830	CLA	O2A-CGA-O1A	-3.69	114.40	123.63
14	H	823	CLA	O2A-CGA-O1A	-3.69	114.40	123.63
17	Z	843	BCR	C8-C7-C6	-3.69	117.15	127.00
14	G	832	CLA	C4D-C3D-CAD	3.69	112.11	108.11
14	G	852	CLA	O2A-CGA-O1A	-3.69	114.41	123.63
14	G	824	CLA	CHD-C1D-ND	-3.69	119.62	124.80
14	G	832	CLA	O2A-CGA-CBA	3.69	123.07	111.83
14	Y	839	CLA	O2A-CGA-CBA	3.69	123.07	111.83
17	G	845	BCR	C24-C23-C22	-3.68	120.78	126.23
14	G	829	CLA	C2D-C1D-ND	3.68	113.77	110.13
17	Y	845	BCR	C28-C27-C26	-3.68	107.49	114.06
14	G	807	CLA	C3D-C4D-ND	3.68	115.97	109.99
14	G	827	CLA	CMC-C2C-C1C	3.68	130.78	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	847	BCR	C3-C4-C5	-3.68	107.50	114.06
14	Y	827	CLA	C2B-C1B-NB	3.68	114.14	110.33
14	B	808	CLA	C1D-ND-C4D	-3.68	103.73	106.31
14	A	854	CLA	O2D-CGD-O1D	-3.68	116.69	123.85
14	Z	836	CLA	O2D-CGD-O1D	-3.67	116.69	123.85
14	A	841	CLA	C4-C3-C5	3.67	121.61	115.23
14	A	803	CLA	C4A-NA-C1A	3.67	108.35	106.68
14	Y	835	CLA	O2D-CGD-O1D	-3.67	116.70	123.85
14	B	840	CLA	CAA-C2A-C3A	-3.67	103.08	113.00
14	G	853	CLA	O2A-CGA-O1A	-3.67	113.90	123.33
14	B	808	CLA	C4D-C3D-CAD	3.67	112.09	108.11
14	B	803	CLA	CMC-C2C-C1C	3.67	130.76	125.03
14	Y	833	CLA	O2D-CGD-O1D	-3.67	116.71	123.85
14	Z	823	CLA	O2A-C1-C2	3.66	122.20	108.11
14	A	827	CLA	O2A-CGA-O1A	-3.66	114.47	123.63
14	L	204	CLA	C1-O2A-CGA	3.66	125.52	116.65
14	G	839	CLA	C2B-C1B-NB	3.66	114.12	110.33
17	G	848	BCR	C34-C9-C10	-3.66	116.89	122.82
14	U	1007	CLA	O2A-CGA-O1A	-3.66	114.47	123.63
18	A	853	LHG	O7-C7-C8	3.66	119.40	111.48
17	f	103	BCR	C3-C4-C5	-3.66	107.53	114.06
14	G	834	CLA	O2A-CGA-O1A	-3.66	114.47	123.63
14	G	831	CLA	C1-O2A-CGA	3.66	125.51	116.65
14	B	803	CLA	O2A-CGA-CBA	3.66	122.99	111.83
14	Y	832	CLA	C4D-C3D-CAD	3.66	112.08	108.11
14	Y	820	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	G	803	CLA	C2B-C1B-NB	3.66	114.12	110.33
14	A	808	CLA	CHD-C1D-ND	-3.66	119.66	124.80
14	G	815	CLA	C4D-C3D-CAD	3.66	112.08	108.11
14	Z	822	CLA	O2A-CGA-CBA	3.65	125.55	114.00
14	G	828	CLA	C4D-C3D-CAD	3.65	112.07	108.11
14	J	102	CLA	O2D-CGD-O1D	-3.65	116.74	123.85
17	Y	846	BCR	C1-C6-C5	-3.65	117.65	122.64
14	G	821	CLA	CHD-C1D-ND	-3.65	119.67	124.80
17	B	842	BCR	C3-C4-C5	-3.65	107.55	114.06
14	Y	809	CLA	C2B-C1B-NB	3.65	114.11	110.33
14	B	803	CLA	OBD-CAD-C3D	-3.65	119.89	128.42
14	Z	821	CLA	O2A-CGA-CBA	3.65	125.53	114.00
17	Y	845	BCR	C30-C25-C24	3.65	125.54	115.65
14	Y	817	CLA	C2B-C1B-NB	3.65	114.11	110.33
14	Z	806	CLA	CED-O2D-CGD	3.65	124.19	115.92
14	K	102	CLA	CMA-C3A-C4A	3.65	121.57	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	808	CLA	C3B-C2B-C1B	-3.64	102.87	107.17
14	G	821	CLA	O2A-CGA-CBA	3.64	122.95	111.83
14	H	802	CLA	O2D-CGD-O1D	-3.64	116.75	123.85
14	B	825	CLA	O2A-CGA-CBA	3.64	122.94	111.83
14	Z	833	CLA	O2A-CGA-CBA	3.64	122.94	111.83
14	A	825	CLA	O2D-CGD-CBD	3.64	117.60	111.23
14	A	831	CLA	O2A-CGA-CBA	3.64	122.94	111.83
17	Y	844	BCR	C24-C23-C22	-3.64	120.85	126.23
14	Y	813	CLA	O2A-CGA-CBA	3.64	122.94	111.83
14	J	102	CLA	CMA-C3A-C4A	3.64	121.56	111.77
17	Q	203	BCR	C39-C30-C25	-3.64	104.53	110.24
14	H	807	CLA	CMC-C2C-C1C	3.64	130.72	125.03
14	A	841	CLA	CHD-C1D-ND	-3.64	119.68	124.80
14	B	834	CLA	C2B-C1B-NB	3.64	114.10	110.33
14	A	834	CLA	O2A-C1-C2	3.64	122.12	108.11
14	Y	826	CLA	O2A-CGA-CBA	3.64	122.93	111.83
17	B	846	BCR	C23-C24-C25	-3.64	117.28	127.00
17	S	1105	BCR	C36-C18-C17	-3.64	116.92	122.82
14	G	831	CLA	O2A-CGA-CBA	3.64	122.93	111.83
14	A	829	CLA	C1-C2-C3	-3.64	120.24	126.20
17	I	102	BCR	C36-C18-C17	-3.64	116.92	122.82
14	A	826	CLA	C4D-C3D-CAD	3.64	112.06	108.11
14	H	828	CLA	O2A-C1-C2	3.64	122.10	108.11
14	h	205	CLA	CHD-C1D-ND	-3.63	119.69	124.80
14	L	206	CLA	CHD-C1D-ND	-3.63	119.69	124.80
14	U	1006	CLA	O2A-C1-C2	3.63	122.09	108.11
14	A	815	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	B	810	CLA	O2D-CGD-O1D	-3.63	116.78	123.85
14	H	819	CLA	O2A-CGA-O1A	-3.63	114.54	123.63
14	Z	825	CLA	CMC-C2C-C1C	3.63	130.71	125.03
14	G	838	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	B	834	CLA	C3D-C4D-ND	3.63	115.89	109.99
14	Y	820	CLA	O1D-CGD-CBD	-3.63	117.36	124.52
14	A	816	CLA	CHD-C1D-ND	-3.63	119.69	124.80
14	G	853	CLA	C2B-C1B-NB	3.63	114.09	110.33
14	S	1101	CLA	C4D-C3D-CAD	3.63	112.05	108.11
14	Y	814	CLA	C4A-NA-C1A	3.63	108.33	106.68
14	G	833	CLA	CBB-CAB-C3B	-3.63	109.40	127.53
14	A	830	CLA	C3D-C2D-C1D	-3.63	100.88	105.83
14	A	836	CLA	CMC-C2C-C1C	3.63	130.70	125.03
14	Y	823	CLA	CHD-C1D-ND	-3.62	119.70	124.80
14	B	818	CLA	O2A-C1-C2	3.62	122.06	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	102	CLA	C4A-NA-C1A	3.62	108.33	106.68
14	Y	807	CLA	C3D-C4D-ND	3.62	115.88	109.99
14	G	823	CLA	O2A-CGA-CBA	3.62	122.88	111.83
14	A	802	CLA	CMB-C2B-C1B	3.62	130.93	125.42
14	G	838	CLA	CMD-C2D-C3D	-3.62	119.38	127.69
14	Z	811	CLA	CMA-C3A-C4A	3.62	121.50	111.77
14	A	827	CLA	C4D-C3D-CAD	3.62	112.04	108.11
14	Y	832	CLA	O2D-CGD-CBD	3.62	117.56	111.23
14	Z	835	CLA	C4D-C3D-CAD	3.62	112.03	108.11
17	F	203	BCR	C34-C9-C10	-3.61	116.97	122.82
14	Y	802	CLA	C2B-C1B-NB	3.61	114.07	110.33
17	J	104	BCR	C8-C7-C6	-3.61	117.36	127.00
14	B	835	CLA	CMB-C2B-C1B	3.61	130.91	125.42
14	G	836	CLA	C4D-C3D-CAD	3.61	112.02	108.11
14	H	837	CLA	O2D-CGD-O1D	-3.61	116.83	123.85
14	Y	804	CLA	O2A-CGA-CBA	3.60	122.83	111.83
14	A	803	CLA	CBC-CAC-C3C	-3.60	102.65	112.42
14	Z	841	CLA	C4D-C3D-CAD	3.60	112.02	108.11
14	B	838	CLA	C3D-C4D-ND	3.60	115.84	109.99
14	Y	806	CLA	C1-C2-C3	-3.60	120.29	126.20
14	U	1003	CLA	O1D-CGD-CBD	-3.60	117.41	124.52
14	Z	802	CLA	C3B-C4B-NB	-3.60	107.31	110.53
14	B	811	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	Y	818	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	G	839	CLA	O2A-CGA-O1A	-3.60	114.62	123.63
14	Z	841	CLA	CMB-C2B-C1B	3.60	130.90	125.42
14	B	838	CLA	O2A-CGA-O1A	-3.60	114.07	123.33
14	Y	823	CLA	C1-O2A-CGA	3.60	125.37	116.65
14	B	816	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	B	828	CLA	O2A-C1-C2	3.60	121.96	108.11
14	G	839	CLA	C2D-C1D-ND	3.60	113.69	110.13
17	Q	201	BCR	C30-C25-C26	-3.60	117.72	122.64
17	R	101	BCR	C8-C7-C6	-3.60	117.38	127.00
14	Y	802	CLA	C4A-NA-C1A	3.60	108.32	106.68
14	G	842	CLA	O2A-C1-C2	3.60	121.95	108.11
14	Y	806	CLA	C2B-C1B-NB	3.60	114.06	110.33
14	Y	830	CLA	C1-O2A-CGA	3.60	125.36	116.65
14	Z	837	CLA	OBD-CAD-C3D	-3.60	120.01	128.42
14	H	828	CLA	C1-O2A-CGA	3.59	125.35	116.65
14	B	805	CLA	C2B-C1B-NB	3.59	114.05	110.33
14	H	840	CLA	CHD-C4C-C3C	-3.59	119.53	124.77
14	B	824	CLA	C3D-C4D-ND	3.59	115.83	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	854	CLA	O2A-C1-C2	3.59	121.93	108.11
14	B	840	CLA	C3D-C4D-ND	3.59	115.82	109.99
14	A	803	CLA	C4-C3-C5	3.59	121.46	115.23
14	H	813	CLA	CAC-C3C-C4C	3.59	129.46	124.79
14	Z	816	CLA	C2B-C1B-NB	3.59	114.05	110.33
17	V	101	BCR	C39-C30-C25	-3.59	104.61	110.24
17	Z	843	BCR	C37-C22-C21	-3.59	117.00	122.82
14	Y	840	CLA	C2B-C1B-NB	3.59	114.05	110.33
14	Z	804	CLA	C2B-C1B-NB	3.59	114.04	110.33
14	Z	809	CLA	O1D-CGD-CBD	-3.58	117.45	124.52
14	G	817	CLA	C4A-NA-C1A	3.58	108.31	106.68
14	H	812	CLA	C4A-NA-C1A	3.58	108.31	106.68
17	d	203	BCR	C31-C1-C6	-3.58	104.62	110.24
14	H	807	CLA	O2D-CGD-O1D	-3.58	116.88	123.85
14	Y	805	CLA	O2A-CGA-O1A	-3.58	114.67	123.63
14	B	809	CLA	C3C-C4C-NC	3.58	115.02	110.43
14	G	837	CLA	CMA-C3A-C4A	3.58	121.39	111.77
18	B	849	LHG	O8-C23-C24	3.58	122.75	111.83
14	A	828	CLA	OBD-CAD-C3D	-3.58	120.05	128.42
14	B	808	CLA	C4-C3-C5	3.58	121.44	115.23
14	A	804	CLA	O2D-CGD-O1D	-3.58	116.88	123.85
14	Z	804	CLA	C3D-C2D-C1D	-3.58	100.95	105.83
17	G	845	BCR	C12-C13-C14	3.58	124.64	119.01
14	G	820	CLA	O2D-CGD-O1D	-3.58	116.88	123.85
17	d	203	BCR	C35-C13-C14	-3.58	117.02	122.82
17	J	104	BCR	C39-C30-C25	-3.58	104.63	110.24
14	B	829	CLA	CHD-C1D-ND	-3.58	119.77	124.80
14	A	808	CLA	C3D-C4D-ND	3.58	115.80	109.99
14	A	842	CLA	C3D-C4D-ND	3.58	115.80	109.99
14	H	816	CLA	CMA-C3A-C4A	3.58	121.39	111.77
14	Z	817	CLA	O2A-CGA-CBA	3.58	122.74	111.83
14	Y	817	CLA	O2A-C1-C2	3.58	121.87	108.11
14	H	851	CLA	O2A-C1-C2	3.57	121.86	108.11
14	Y	839	CLA	CHD-C1D-ND	-3.57	119.77	124.80
17	B	844	BCR	C3-C4-C5	-3.57	107.69	114.06
13	Y	801	CL0	O2D-CGD-O1D	-3.57	116.89	123.85
14	Y	839	CLA	C4D-C3D-CAD	3.57	111.99	108.11
14	H	816	CLA	O2A-CGA-CBA	3.57	122.73	111.83
13	A	801	CL0	C1D-ND-C4D	-3.57	103.81	106.31
19	Z	849	LMG	C7-O1-C1	-3.57	106.15	113.80
17	Z	844	BCR	C37-C22-C21	-3.57	117.04	122.82
14	Y	831	CLA	O2A-CGA-O1A	-3.57	114.71	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	G	801	CL0	CAA-C2A-C3A	-3.56	103.37	113.00
14	Y	840	CLA	C3D-C4D-ND	3.56	115.78	109.99
14	Z	826	CLA	C2B-C1B-NB	3.56	114.02	110.33
17	G	846	BCR	C28-C27-C26	-3.56	107.71	114.06
14	A	811	CLA	O2A-CGA-CBA	3.56	125.25	114.00
14	A	826	CLA	CMA-C3A-C4A	3.56	121.34	111.77
14	A	830	CLA	C3D-C4D-ND	3.56	115.77	109.99
17	B	844	BCR	C37-C22-C23	3.56	123.53	118.09
14	H	820	CLA	OBD-CAD-C3D	-3.56	120.10	128.42
14	Z	823	CLA	C3D-C4D-ND	3.56	115.77	109.99
14	G	830	CLA	CMA-C3A-C4A	3.56	121.33	111.77
14	A	841	CLA	C3D-C4D-ND	3.55	115.77	109.99
14	B	802	CLA	C4D-C3D-CAD	3.55	111.97	108.11
14	Y	809	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	H	840	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	Y	832	CLA	OBD-CAD-C3D	-3.55	120.11	128.42
14	Y	804	CLA	C4D-C3D-CAD	3.55	111.96	108.11
14	B	815	CLA	O2A-CGA-CBA	3.55	122.67	111.83
14	L	206	CLA	O2A-CGA-CBA	3.55	122.66	111.83
14	G	814	CLA	O2A-CGA-CBA	3.55	122.66	111.83
14	H	805	CLA	CED-O2D-CGD	3.55	123.97	115.92
17	Z	843	BCR	C30-C25-C26	-3.55	117.78	122.64
14	Z	804	CLA	CED-O2D-CGD	3.55	123.96	115.92
14	Y	808	CLA	C2B-C1B-NB	3.55	114.00	110.33
14	G	833	CLA	O1D-CGD-CBD	-3.55	117.52	124.52
14	H	831	CLA	O2A-CGA-CBA	3.55	122.64	111.83
14	Z	810	CLA	OBD-CAD-C3D	-3.54	120.13	128.42
14	B	811	CLA	C1-C2-C3	-3.54	121.03	126.76
17	B	844	BCR	C34-C9-C10	-3.54	117.07	122.82
14	A	833	CLA	CMC-C2C-C1C	3.54	130.57	125.03
14	Z	811	CLA	C3C-C4C-NC	3.54	114.97	110.43
17	Z	847	BCR	C33-C5-C6	-3.54	120.62	124.48
14	T	101	CLA	CAC-C3C-C4C	3.54	129.40	124.79
14	F	202	CLA	C3C-C4C-NC	3.54	114.97	110.43
14	G	820	CLA	C4-C3-C5	3.54	121.37	115.23
14	H	837	CLA	O2A-CGA-CBA	3.54	122.63	111.83
14	H	817	CLA	OBD-CAD-C3D	-3.54	120.14	128.42
14	A	826	CLA	O2A-CGA-CBA	3.54	122.62	111.83
14	B	834	CLA	CAC-C3C-C4C	3.54	129.39	124.79
14	G	816	CLA	C4D-C3D-CAD	3.54	111.95	108.11
14	A	812	CLA	O2D-CGD-CBD	3.54	117.41	111.23
14	Y	813	CLA	O2A-C1-C2	3.54	121.72	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	846	BCR	C30-C25-C26	-3.54	117.80	122.64
14	H	812	CLA	C2B-C1B-NB	3.54	113.99	110.33
17	Y	846	BCR	C28-C27-C26	-3.54	107.75	114.06
17	d	203	BCR	C23-C24-C25	-3.53	117.56	127.00
17	B	844	BCR	C7-C6-C5	-3.53	113.42	121.56
14	G	853	CLA	C4A-NA-C1A	3.53	108.29	106.68
14	Z	830	CLA	C4D-C3D-CAD	3.53	111.94	108.11
14	B	819	CLA	O2A-CGA-CBA	3.53	125.16	114.00
14	Y	822	CLA	C3D-C4D-ND	3.53	115.73	109.99
14	S	1101	CLA	C3D-C4D-ND	3.53	115.73	109.99
14	A	854	CLA	OBD-CAD-C3D	-3.53	120.16	128.42
14	Y	829	CLA	C2B-C1B-NB	3.53	113.99	110.33
14	H	816	CLA	C4D-C3D-CAD	3.53	111.94	108.11
14	H	837	CLA	C3D-C4D-ND	3.53	115.72	109.99
14	H	810	CLA	CMC-C2C-C1C	3.53	130.55	125.03
14	X	1701	CLA	C4A-NA-C1A	3.53	108.29	106.68
14	A	808	CLA	O2A-CGA-CBA	3.53	122.59	111.83
14	A	810	CLA	C4D-C3D-CAD	3.53	111.94	108.11
14	J	102	CLA	O2A-C1-C2	3.53	121.68	108.11
14	Y	841	CLA	CHD-C1D-ND	-3.53	119.84	124.80
14	H	831	CLA	CMB-C2B-C1B	3.52	130.78	125.42
14	Y	818	CLA	C1-O2A-CGA	3.52	125.18	116.65
14	B	831	CLA	C4D-C3D-CAD	3.52	111.93	108.11
14	Z	839	CLA	CMB-C2B-C1B	3.52	130.78	125.42
14	g	102	CLA	O2A-CGA-CBA	3.52	125.13	114.00
17	d	203	BCR	C28-C27-C26	-3.52	107.78	114.06
14	B	813	CLA	O2A-CGA-CBA	3.52	122.57	111.83
17	A	849	BCR	C27-C26-C25	-3.52	117.95	122.70
14	A	841	CLA	C1-O2A-CGA	3.52	125.17	116.65
14	G	807	CLA	CMA-C3A-C4A	3.52	121.23	111.77
14	H	804	CLA	C3D-C4D-ND	3.52	115.71	109.99
14	Y	807	CLA	C2B-C1B-NB	3.52	113.97	110.33
14	A	819	CLA	O2A-C1-C2	3.52	121.64	108.11
14	L	202	CLA	C4D-C3D-CAD	3.52	111.92	108.11
14	Y	813	CLA	C4D-C3D-CAD	3.52	111.92	108.11
17	G	849	BCR	C28-C27-C26	-3.52	107.79	114.06
17	A	846	BCR	C23-C22-C21	-3.52	113.48	119.01
17	Y	852	BCR	C7-C8-C9	-3.51	121.03	126.23
14	Y	817	CLA	CAC-C3C-C4C	3.51	129.36	124.79
17	A	851	BCR	C8-C7-C6	-3.51	117.61	127.00
14	H	836	CLA	O2A-CGA-CBA	3.51	122.55	111.83
17	J	103	BCR	C12-C13-C14	3.51	124.53	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	A	801	CL0	CAC-C3C-C4C	3.51	129.36	124.79
14	H	834	CLA	CHD-C1D-ND	-3.51	119.86	124.80
14	A	828	CLA	C4D-C3D-CAD	3.51	111.92	108.11
14	B	810	CLA	O2A-CGA-CBA	3.51	122.54	111.83
14	h	206	CLA	C3D-C4D-ND	3.51	115.69	109.99
14	B	838	CLA	CAA-CBA-CGA	-3.51	103.13	112.49
14	G	807	CLA	CAC-C3C-C4C	3.51	129.36	124.79
17	T	102	BCR	C23-C22-C21	3.51	124.53	119.01
14	A	837	CLA	CMA-C3A-C4A	3.51	121.20	111.77
17	Q	203	BCR	C36-C18-C19	-3.51	112.73	118.09
14	Z	841	CLA	O2A-C1-C2	3.51	121.61	108.11
17	B	850	BCR	C36-C18-C17	-3.51	117.13	122.82
14	Y	819	CLA	O2A-CGA-CBA	3.51	122.53	111.83
14	H	837	CLA	CMA-C3A-C4A	3.51	121.20	111.77
14	H	837	CLA	CMB-C2B-C1B	3.51	130.76	125.42
14	A	827	CLA	CMD-C2D-C3D	-3.50	119.65	127.69
14	Z	812	CLA	O2A-C1-C2	3.50	121.59	108.11
14	Z	808	CLA	C1-O2A-CGA	3.50	125.13	116.65
14	A	834	CLA	C3D-C4D-ND	3.50	115.68	109.99
14	Y	817	CLA	C3D-C4D-ND	3.50	115.68	109.99
14	H	835	CLA	CMC-C2C-C1C	3.50	130.51	125.03
14	B	831	CLA	C3D-C4D-ND	3.50	115.68	109.99
14	G	828	CLA	CMC-C2C-C1C	3.50	130.50	125.03
19	B	848	LMG	O4-C4-C3	-3.50	102.13	110.38
14	Y	841	CLA	C3B-C2B-C1B	-3.50	103.05	107.17
14	G	815	CLA	CHD-C1D-ND	-3.50	119.88	124.80
14	H	815	CLA	C2B-C1B-NB	3.50	113.95	110.33
14	H	809	CLA	O2A-CGA-CBA	3.50	122.50	111.83
14	Y	825	CLA	CED-O2D-CGD	3.50	123.84	115.92
14	H	817	CLA	CHD-C1D-ND	-3.49	119.89	124.80
17	B	847	BCR	C34-C9-C10	-3.49	117.16	122.82
17	M	101	BCR	C33-C5-C6	-3.49	120.68	124.48
14	Z	802	CLA	O2A-C1-C2	3.49	121.54	108.11
14	H	811	CLA	C1-O2A-CGA	3.49	125.10	116.65
14	W	1701	CLA	O2A-CGA-CBA	3.49	125.03	114.00
14	Z	806	CLA	O2D-CGD-CBD	3.49	117.33	111.23
17	Z	846	BCR	C39-C30-C25	-3.49	104.77	110.24
14	H	803	CLA	CMB-C2B-C3B	3.49	134.75	126.55
14	L	206	CLA	O2A-CGA-O1A	-3.49	114.91	123.63
14	G	837	CLA	CHD-C1D-ND	-3.48	119.90	124.80
14	B	832	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	H	851	CLA	O2D-CGD-O1D	-3.48	117.07	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	835	CLA	C1-O2A-CGA	3.48	125.08	116.65
14	Z	837	CLA	C2B-C1B-NB	3.48	113.94	110.33
14	G	841	CLA	CED-O2D-CGD	3.48	123.81	115.92
17	F	201	BCR	C3-C4-C5	-3.48	107.85	114.06
14	Y	830	CLA	O2A-CGA-CBA	3.48	122.45	111.83
17	Z	848	BCR	C24-C25-C26	3.48	129.57	121.56
14	Y	828	CLA	CMC-C2C-C1C	3.48	130.47	125.03
14	U	1004	CLA	C3D-C4D-ND	3.48	115.64	109.99
14	K	101	CLA	O2A-CGA-CBA	3.48	124.98	114.00
14	Z	821	CLA	CMA-C3A-C4A	3.48	121.11	111.77
14	B	819	CLA	C4A-NA-C1A	3.47	108.26	106.68
14	B	823	CLA	O2D-CGD-CBD	3.47	117.30	111.23
14	Z	804	CLA	O2A-C1-C2	3.47	121.48	108.11
14	Z	814	CLA	OBD-CAD-C3D	-3.47	120.30	128.42
17	I	102	BCR	C8-C7-C6	-3.47	117.72	127.00
17	i	101	BCR	C36-C18-C17	-3.47	117.19	122.82
14	A	841	CLA	C2B-C1B-NB	3.47	113.93	110.33
17	A	847	BCR	C36-C18-C17	-3.47	117.19	122.82
14	Z	811	CLA	CHD-C4C-C3C	-3.47	119.71	124.77
14	H	826	CLA	C2B-C1B-NB	3.47	113.92	110.33
14	H	827	CLA	CHB-C4A-NA	3.47	129.41	124.40
14	H	830	CLA	C4D-C3D-CAD	3.47	111.87	108.11
14	Z	807	CLA	C4D-C3D-CAD	3.47	111.87	108.11
14	G	811	CLA	O2A-C1-C2	3.47	121.44	108.11
17	G	845	BCR	C37-C22-C21	-3.47	117.20	122.82
17	H	843	BCR	C37-C22-C21	-3.47	117.20	122.82
17	Y	853	BCR	C1-C6-C7	3.46	125.05	115.65
14	H	811	CLA	C4A-NA-C1A	3.46	108.26	106.68
14	Z	815	CLA	CMC-C2C-C1C	3.46	130.44	125.03
14	Y	809	CLA	C3D-C4D-ND	3.46	115.61	109.99
17	G	849	BCR	C31-C1-C6	-3.46	104.81	110.24
14	B	828	CLA	O1D-CGD-CBD	-3.46	117.69	124.52
14	Y	826	CLA	C3D-C4D-ND	3.46	115.61	109.99
14	Y	825	CLA	CMA-C3A-C4A	3.46	121.08	111.77
14	Y	809	CLA	O2A-CGA-O1A	-3.46	114.97	123.63
14	H	817	CLA	C2B-C1B-NB	3.46	113.92	110.33
14	Y	831	CLA	CMC-C2C-C1C	3.46	130.44	125.03
14	G	802	CLA	CAC-C3C-C4C	3.46	129.29	124.79
14	H	826	CLA	O1D-CGD-CBD	-3.46	117.69	124.52
14	F	202	CLA	O2D-CGD-CBD	3.46	117.28	111.23
14	G	833	CLA	O2A-C1-C2	3.46	121.42	108.11
14	Z	810	CLA	CMC-C2C-C1C	3.46	130.44	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	841	CLA	CED-O2D-CGD	3.46	123.75	115.92
17	H	844	BCR	C3-C4-C5	-3.45	107.89	114.06
17	B	843	BCR	C15-C14-C13	-3.45	122.43	127.28
14	Y	828	CLA	CMB-C2B-C3B	3.45	134.68	126.55
17	B	847	BCR	C36-C18-C19	-3.45	112.81	118.09
14	B	811	CLA	CHD-C1D-ND	-3.45	119.94	124.80
14	H	802	CLA	O2A-C1-C2	3.45	121.40	108.11
14	H	835	CLA	O2A-CGA-CBA	3.45	124.91	114.00
17	G	845	BCR	C39-C30-C25	-3.45	104.83	110.24
17	M	101	BCR	C1-C6-C7	3.45	125.01	115.65
14	A	840	CLA	C4D-C3D-CAD	3.45	111.85	108.11
14	H	831	CLA	C4D-C3D-CAD	3.45	111.85	108.11
14	Y	821	CLA	C3D-C4D-ND	3.45	115.59	109.99
14	G	809	CLA	CHD-C1D-ND	-3.45	119.95	124.80
14	A	814	CLA	CMD-C2D-C3D	-3.45	119.78	127.69
14	B	835	CLA	C4A-NA-C1A	3.45	108.25	106.68
14	B	838	CLA	O2D-CGD-O1D	-3.45	117.14	123.85
14	G	827	CLA	O2A-CGA-CBA	3.44	122.34	111.83
14	A	835	CLA	C2B-C1B-NB	3.44	113.90	110.33
17	H	845	BCR	C23-C22-C21	3.44	124.42	119.01
14	Z	824	CLA	CAC-C3C-C4C	3.44	129.27	124.79
14	Z	824	CLA	O2A-CGA-CBA	3.44	122.33	111.83
14	h	205	CLA	O2A-CGA-CBA	3.44	122.33	111.83
14	A	815	CLA	CHD-C1D-ND	-3.44	119.96	124.80
14	g	102	CLA	C2B-C1B-NB	3.44	113.89	110.33
17	S	1105	BCR	C8-C7-C6	-3.44	117.81	127.00
14	B	817	CLA	C4A-NA-C1A	3.44	108.25	106.68
14	B	817	CLA	CAC-C3C-C4C	3.44	129.26	124.79
14	Z	835	CLA	CED-O2D-CGD	3.44	123.71	115.92
14	G	820	CLA	C2B-C1B-NB	3.44	113.89	110.33
14	H	821	CLA	CHD-C1D-ND	-3.44	119.97	124.80
17	Y	847	BCR	C30-C25-C26	-3.44	117.94	122.64
14	G	824	CLA	CED-O2D-CGD	3.43	123.71	115.92
14	G	807	CLA	C1C-C2C-C3C	-3.43	103.37	106.98
14	L	204	CLA	C3D-C4D-ND	3.43	115.57	109.99
14	G	822	CLA	CMD-C2D-C3D	-3.43	119.81	127.69
14	G	836	CLA	O2D-CGD-CBD	3.43	117.23	111.23
14	H	828	CLA	C2B-C1B-NB	3.43	113.89	110.33
17	B	843	BCR	C37-C22-C23	3.43	123.33	118.09
14	H	811	CLA	CMC-C2C-C1C	3.43	130.40	125.03
14	Z	824	CLA	C2B-C1B-NB	3.43	113.89	110.33
17	S	1104	BCR	C37-C22-C21	-3.43	117.26	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	809	CLA	O2A-CGA-CBA	3.43	122.30	111.83
14	Y	822	CLA	O2A-C1-C2	3.43	121.31	108.11
17	H	846	BCR	C3-C4-C5	-3.43	107.94	114.06
14	Z	836	CLA	O2A-CGA-CBA	3.43	124.83	114.00
14	g	101	CLA	C2B-C1B-NB	3.43	113.88	110.33
14	S	1101	CLA	CHD-C1D-ND	-3.43	119.98	124.80
17	M	101	BCR	C23-C22-C21	3.43	124.40	119.01
14	H	810	CLA	C2B-C1B-NB	3.43	113.88	110.33
14	Y	812	CLA	O2D-CGD-O1D	-3.43	117.18	123.85
14	B	835	CLA	O2D-CGD-CBD	3.42	117.22	111.23
14	L	205	CLA	C4D-C3D-CAD	3.42	111.83	108.11
14	G	815	CLA	O2A-CGA-CBA	3.42	122.28	111.83
14	G	839	CLA	O2A-C1-C2	3.42	121.28	108.11
14	H	801	CLA	C2B-C1B-NB	3.42	113.88	110.33
17	R	101	BCR	C37-C22-C23	3.42	123.32	118.09
14	H	804	CLA	CMC-C2C-C1C	3.42	130.38	125.03
14	A	805	CLA	O2A-CGA-CBA	3.42	122.27	111.83
17	Y	846	BCR	C7-C8-C9	-3.42	121.17	126.23
14	A	806	CLA	C3D-C4D-ND	3.42	115.55	109.99
14	H	832	CLA	C3D-C4D-ND	3.42	115.55	109.99
17	A	849	BCR	C38-C26-C27	3.42	120.89	113.60
14	G	852	CLA	O2A-CGA-CBA	3.42	122.27	111.83
14	Z	805	CLA	O1D-CGD-CBD	-3.42	117.77	124.52
14	Z	806	CLA	O2A-CGA-CBA	3.42	122.27	111.83
14	B	804	CLA	CHB-C4A-NA	3.42	129.34	124.40
14	Y	833	CLA	O2A-CGA-CBA	3.42	122.26	111.83
14	f	102	CLA	CMB-C2B-C1B	3.42	130.63	125.42
14	L	201	CLA	O2A-CGA-CBA	3.42	122.26	111.83
14	B	801	CLA	CMB-C2B-C1B	3.42	130.62	125.42
14	Y	840	CLA	C4-C3-C5	3.42	121.16	115.23
14	Z	814	CLA	C4A-NA-C1A	3.42	108.24	106.68
17	U	1009	BCR	C3-C4-C5	-3.42	107.96	114.06
14	B	809	CLA	C4C-C3C-C2C	-3.42	101.92	106.89
14	G	837	CLA	C2B-C1B-NB	3.42	113.87	110.33
14	Z	812	CLA	C4A-NA-C1A	3.41	108.24	106.68
14	B	827	CLA	C4D-C3D-CAD	3.41	111.81	108.11
14	G	842	CLA	C3D-C4D-ND	3.41	115.54	109.99
17	F	203	BCR	C8-C7-C6	-3.41	117.88	127.00
14	A	824	CLA	C3D-C4D-ND	3.41	115.53	109.99
14	G	808	CLA	C3D-C4D-ND	3.41	115.53	109.99
14	G	807	CLA	O2D-CGD-O1D	-3.41	117.21	123.85
17	Y	849	BCR	C3-C4-C5	-3.41	107.97	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Y	853	BCR	C31-C1-C6	-3.41	104.89	110.24
17	Z	845	BCR	C32-C1-C6	-3.41	104.89	110.24
14	Z	821	CLA	CED-O2D-CGD	3.41	123.65	115.92
14	Z	814	CLA	O2D-CGD-CBD	3.41	117.19	111.23
14	G	815	CLA	CMD-C2D-C3D	-3.41	119.87	127.69
14	H	838	CLA	CAC-C3C-C4C	3.41	129.23	124.79
14	G	819	CLA	O2A-CGA-CBA	3.41	122.23	111.83
17	A	851	BCR	C40-C30-C25	3.41	115.59	110.24
14	A	818	CLA	C4D-C3D-CAD	3.41	111.81	108.11
14	K	101	CLA	C2B-C1B-NB	3.41	113.86	110.33
14	G	820	CLA	O2A-C1-C2	3.41	121.22	108.11
14	B	815	CLA	O2A-C1-C2	3.41	121.22	108.11
14	A	839	CLA	CMC-C2C-C1C	3.41	130.36	125.03
14	H	830	CLA	O2A-CGA-CBA	3.41	124.76	114.00
14	Z	824	CLA	O2D-CGD-CBD	3.41	117.18	111.23
14	H	831	CLA	C3D-C4D-ND	3.41	115.52	109.99
14	H	839	CLA	O2D-CGD-CBD	3.41	117.18	111.23
14	H	838	CLA	C3D-C4D-ND	3.41	115.52	109.99
14	Y	811	CLA	C2B-C1B-NB	3.40	113.86	110.33
14	Z	822	CLA	C2B-C1B-NB	3.40	113.86	110.33
14	H	816	CLA	C1-O2A-CGA	3.40	124.89	116.65
14	H	818	CLA	C1-C2-C3	-3.40	120.62	126.20
14	Y	836	CLA	C3D-C4D-ND	3.40	115.52	109.99
17	A	848	BCR	C30-C25-C24	3.40	124.88	115.65
14	Y	804	CLA	CHD-C1D-ND	-3.40	120.01	124.80
14	G	821	CLA	C4D-C3D-CAD	3.40	111.80	108.11
14	G	803	CLA	C6-C5-C3	-3.40	105.18	113.47
14	Y	813	CLA	CHD-C1D-ND	-3.40	120.01	124.80
14	H	806	CLA	C1-C2-C3	-3.40	120.62	126.20
14	G	831	CLA	O2A-C1-C2	3.40	121.20	108.11
14	A	820	CLA	C3D-C4D-ND	3.40	115.52	109.99
14	G	842	CLA	CMB-C2B-C1B	3.40	130.60	125.42
14	B	812	CLA	OBD-CAD-C3D	-3.40	120.47	128.42
14	Z	806	CLA	O2A-C1-C2	3.40	121.19	108.11
14	Y	833	CLA	C4A-NA-C1A	3.40	108.23	106.68
14	H	816	CLA	CMC-C2C-C1C	3.40	130.35	125.03
14	G	839	CLA	C1-C2-C3	-3.40	121.26	126.76
13	G	801	CL0	C2B-C1B-NB	3.40	113.85	110.33
14	G	836	CLA	O2A-CGA-CBA	3.40	122.20	111.83
14	A	823	CLA	O2A-C1-C2	3.40	121.18	108.11
14	H	806	CLA	C4-C3-C5	3.40	121.12	115.23
14	Z	831	CLA	CMC-C2C-C1C	3.40	130.34	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	812	CLA	CMD-C2D-C3D	-3.40	119.90	127.69
14	A	830	CLA	C2D-C1D-ND	3.39	113.49	110.13
14	G	834	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	A	830	CLA	C3B-C2B-C1B	-3.39	103.17	107.17
13	G	801	CL0	O2D-CGD-O1D	-3.39	117.24	123.85
14	Y	817	CLA	O2A-CGA-CBA	3.39	122.18	111.83
14	B	828	CLA	O2A-CGA-CBA	3.39	122.18	111.83
14	B	813	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	A	826	CLA	O2A-CGA-O1A	-3.39	115.14	123.63
14	g	102	CLA	C3D-C4D-ND	3.39	115.50	109.99
14	A	833	CLA	CMB-C2B-C1B	3.39	130.58	125.42
14	H	804	CLA	C2C-C1C-NC	3.39	113.54	109.98
14	G	828	CLA	OBD-CAD-C3D	-3.39	120.49	128.42
14	Z	815	CLA	C4D-C3D-CAD	3.39	111.79	108.11
14	U	1006	CLA	CMB-C2B-C1B	3.39	130.58	125.42
14	B	832	CLA	C3D-C4D-ND	3.39	115.49	109.99
14	Z	836	CLA	CMA-C3A-C4A	3.39	120.88	111.77
14	H	830	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	Z	804	CLA	C3D-C4D-ND	3.39	115.49	109.99
14	B	837	CLA	C2B-C1B-NB	3.39	113.84	110.33
14	Y	827	CLA	O2A-CGA-CBA	3.39	122.16	111.83
14	H	814	CLA	C3D-C4D-ND	3.39	115.49	109.99
14	Z	818	CLA	OBD-CAD-C3D	-3.39	120.50	128.42
14	B	808	CLA	O2A-CGA-CBA	3.38	122.16	111.83
14	L	202	CLA	C6-C7-C8	-3.38	104.71	115.97
14	B	815	CLA	C3D-C4D-ND	3.38	115.49	109.99
14	h	206	CLA	C4D-C3D-CAD	3.38	111.78	108.11
14	Y	816	CLA	CMA-C3A-C4A	3.38	120.87	111.77
14	A	811	CLA	C3D-C4D-ND	3.38	115.49	109.99
14	H	802	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	G	812	CLA	CMA-C3A-C4A	3.38	120.86	111.77
14	Z	801	CLA	C3D-C4D-ND	3.38	115.48	109.99
17	Y	846	BCR	C36-C18-C17	-3.38	117.34	122.82
14	A	814	CLA	CHD-C1D-ND	-3.38	120.04	124.80
14	L	205	CLA	C3D-C4D-ND	3.38	115.48	109.99
14	H	851	CLA	CED-O2D-CGD	3.38	123.59	115.92
14	Z	809	CLA	CMC-C2C-C1C	3.38	130.32	125.03
17	G	847	BCR	C7-C8-C9	-3.38	121.23	126.23
14	G	832	CLA	CMD-C2D-C3D	-3.38	119.94	127.69
17	B	843	BCR	C24-C23-C22	-3.38	121.24	126.23
17	Z	850	BCR	C23-C22-C21	3.38	124.32	119.01
14	H	809	CLA	CHC-C1C-C2C	-3.38	117.35	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	807	CLA	O1D-CGD-CBD	-3.38	117.86	124.52
14	H	824	CLA	CMC-C2C-C1C	3.38	130.31	125.03
17	U	1005	BCR	C40-C30-C25	-3.38	104.95	110.24
14	B	806	CLA	CAC-C3C-C4C	3.38	129.18	124.79
14	B	801	CLA	CHC-C1C-C2C	-3.38	117.35	126.95
14	U	1002	CLA	C2B-C1B-NB	3.38	113.83	110.33
14	A	821	CLA	CMA-C3A-C4A	3.37	120.84	111.77
14	G	807	CLA	O2A-C1-C2	3.37	121.09	108.11
14	Z	829	CLA	CAC-C3C-C4C	3.37	129.18	124.79
14	H	810	CLA	C1-O2A-CGA	3.37	124.82	116.65
14	G	807	CLA	C2B-C1B-NB	3.37	113.82	110.33
14	G	813	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	G	837	CLA	C3D-C4D-ND	3.37	115.47	109.99
14	B	818	CLA	CMC-C2C-C1C	3.37	130.30	125.03
14	L	201	CLA	CMA-C3A-C4A	3.37	120.83	111.77
17	H	843	BCR	C4-C5-C6	-3.37	118.15	122.70
14	A	828	CLA	O2A-CGA-CBA	3.37	122.11	111.83
14	G	803	CLA	C4D-C3D-CAD	3.37	111.77	108.11
14	Y	830	CLA	CMC-C2C-C1C	3.37	130.30	125.03
14	H	830	CLA	OBD-CAD-C3D	-3.37	120.54	128.42
14	H	833	CLA	CHD-C1D-ND	-3.37	120.06	124.80
14	G	816	CLA	C3D-C4D-ND	3.37	115.46	109.99
14	Z	823	CLA	C2B-C1B-NB	3.37	113.82	110.33
14	B	833	CLA	C4D-C3D-CAD	3.37	111.76	108.11
14	Z	834	CLA	CHD-C1D-ND	-3.37	120.07	124.80
14	G	815	CLA	C3D-C4D-ND	3.37	115.46	109.99
17	Y	844	BCR	C3-C4-C5	-3.37	108.06	114.06
14	A	821	CLA	C4-C3-C5	3.37	121.07	115.23
17	Z	847	BCR	C23-C24-C25	-3.36	118.01	127.00
13	G	801	CL0	O2A-C1-C2	3.36	121.05	108.11
19	B	848	LMG	O6-C5-C4	3.36	115.76	109.70
14	Y	834	CLA	C3D-C4D-ND	3.36	115.45	109.99
14	L	202	CLA	C5-C3-C2	-3.36	113.62	121.17
14	B	825	CLA	C3C-C4C-NC	3.36	114.74	110.43
14	A	822	CLA	C3D-C4D-ND	3.36	115.45	109.99
14	B	836	CLA	C3D-C4D-ND	3.36	115.45	109.99
14	H	817	CLA	O2A-C1-C2	3.36	121.04	108.11
14	A	812	CLA	C4D-C3D-CAD	3.36	111.76	108.11
14	Y	814	CLA	CMA-C3A-C4A	3.36	120.81	111.77
14	G	814	CLA	C1-O2A-CGA	3.36	124.78	116.65
17	L	208	BCR	C36-C18-C19	-3.36	112.96	118.09
17	Y	849	BCR	C24-C23-C22	-3.36	121.27	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	823	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	H	823	CLA	CAA-C2A-C1A	-3.36	100.97	111.97
14	B	813	CLA	O1D-CGD-CBD	-3.36	117.90	124.52
14	B	817	CLA	C3D-C4D-ND	3.36	115.44	109.99
14	Y	819	CLA	CHD-C1D-ND	-3.36	120.08	124.80
14	Z	834	CLA	O2D-CGD-O1D	-3.36	117.32	123.85
17	F	203	BCR	C36-C18-C19	-3.36	112.96	118.09
17	A	850	BCR	C33-C5-C6	-3.35	120.82	124.48
14	B	835	CLA	CHD-C1D-ND	-3.35	120.08	124.80
14	Z	812	CLA	CED-O2D-CGD	3.35	123.52	115.92
17	I	102	BCR	C34-C9-C10	-3.35	117.38	122.82
14	A	811	CLA	C4D-C3D-CAD	3.35	111.75	108.11
14	G	802	CLA	CGD-CBD-CAD	3.35	121.70	110.85
14	H	823	CLA	CED-O2D-CGD	3.35	123.52	115.92
14	B	840	CLA	CAA-CBA-CGA	-3.35	103.69	113.21
14	G	852	CLA	C2B-C1B-NB	3.35	113.80	110.33
17	Y	846	BCR	C37-C22-C23	3.35	123.21	118.09
14	Y	805	CLA	CMB-C2B-C1B	3.35	130.52	125.42
14	G	808	CLA	O2A-C1-C2	3.35	120.99	108.11
14	A	815	CLA	CMA-C3A-C4A	3.35	120.76	111.77
14	A	803	CLA	C2B-C1B-NB	3.35	113.80	110.33
14	B	823	CLA	CMA-C3A-C4A	3.34	120.76	111.77
17	H	847	BCR	C3-C4-C5	-3.34	108.09	114.06
14	A	823	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	Z	836	CLA	C4D-C3D-CAD	3.34	111.74	108.11
14	A	810	CLA	C3D-C4D-ND	3.34	115.42	109.99
14	Y	808	CLA	C3C-C4C-NC	3.34	114.71	110.43
14	Y	832	CLA	C2D-C1D-ND	3.34	113.43	110.13
14	H	804	CLA	CHD-C1D-ND	-3.34	120.10	124.80
14	Y	805	CLA	C4D-C3D-CAD	3.34	111.73	108.11
14	K	102	CLA	O2D-CGD-O1D	-3.34	117.34	123.85
17	Z	844	BCR	C39-C30-C25	-3.34	105.00	110.24
17	B	844	BCR	C24-C23-C22	-3.34	121.29	126.23
14	A	825	CLA	C3D-C4D-ND	3.34	115.42	109.99
14	H	804	CLA	C4D-C3D-CAD	3.34	111.73	108.11
14	B	819	CLA	C4D-C3D-CAD	3.34	111.73	108.11
14	G	813	CLA	O2A-C1-C2	3.34	120.95	108.11
14	H	823	CLA	CAA-CBA-CGA	-3.34	103.73	113.21
14	L	201	CLA	O2A-C1-C2	3.34	120.95	108.11
14	Y	841	CLA	C3D-C4D-ND	3.34	115.41	109.99
14	G	803	CLA	CMB-C2B-C1B	3.34	130.50	125.42
14	Z	831	CLA	O2A-CGA-CBA	3.34	124.54	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	847	BCR	C37-C22-C23	3.34	123.18	118.09
14	Z	827	CLA	O2A-CGA-O1A	-3.33	115.29	123.63
14	W	1701	CLA	CMC-C2C-C1C	3.33	130.24	125.03
14	Y	807	CLA	O2A-CGA-CBA	3.33	121.99	111.83
14	H	820	CLA	CMA-C3A-C4A	3.33	120.72	111.77
14	Z	831	CLA	CHD-C1D-ND	-3.33	120.11	124.80
14	A	825	CLA	CHD-C1D-ND	-3.33	120.12	124.80
14	A	824	CLA	CED-O2D-CGD	3.33	123.47	115.92
14	G	826	CLA	CAC-C3C-C4C	3.33	129.12	124.79
14	B	833	CLA	CHB-C4A-NA	3.33	129.20	124.40
14	A	832	CLA	C4D-C3D-CAD	3.33	111.72	108.11
14	H	818	CLA	C3D-C4D-ND	3.33	115.40	109.99
14	B	807	CLA	O2D-CGD-O1D	-3.33	117.37	123.85
14	d	201	CLA	CMB-C2B-C1B	3.33	130.49	125.42
14	Z	817	CLA	OBD-CAD-C3D	-3.33	120.64	128.42
17	J	104	BCR	C37-C22-C23	3.33	123.17	118.09
17	J	104	BCR	C38-C26-C25	-3.33	120.85	124.48
14	G	828	CLA	O2A-C1-C2	3.33	120.91	108.11
14	Y	833	CLA	C2B-C1B-NB	3.33	113.78	110.33
14	A	835	CLA	C4D-C3D-CAD	3.32	111.72	108.11
14	Y	840	CLA	C4D-C3D-CAD	3.32	111.72	108.11
17	U	1009	BCR	C35-C13-C14	-3.32	117.43	122.82
14	F	202	CLA	C2B-C1B-NB	3.32	113.77	110.33
14	K	101	CLA	CMC-C2C-C1C	3.32	130.23	125.03
14	H	822	CLA	CED-O2D-CGD	3.32	123.45	115.92
14	B	816	CLA	O1D-CGD-CBD	-3.32	117.97	124.52
14	B	818	CLA	CAC-C3C-C4C	3.32	129.11	124.79
14	G	825	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	S	1103	CLA	C2B-C1B-NB	3.32	113.77	110.33
14	G	814	CLA	O2A-C1-C2	3.32	120.89	108.11
14	A	842	CLA	O2A-C1-C2	3.32	120.88	108.11
14	Z	815	CLA	O2A-C1-C2	3.32	120.88	108.11
14	Y	818	CLA	CMA-C3A-C4A	3.32	120.69	111.77
14	A	821	CLA	C3D-C4D-ND	3.32	115.38	109.99
14	A	820	CLA	CHD-C1D-ND	-3.32	120.13	124.80
14	B	806	CLA	O2A-CGA-CBA	3.32	121.95	111.83
14	H	822	CLA	C3D-C4D-ND	3.32	115.38	109.99
14	G	832	CLA	CMB-C2B-C1B	3.32	130.47	125.42
14	H	851	CLA	C4D-C3D-CAD	3.32	111.71	108.11
14	G	829	CLA	C2B-C1B-NB	3.32	113.76	110.33
14	Z	803	CLA	C2B-C1B-NB	3.32	113.76	110.33
14	A	829	CLA	C4D-C3D-CAD	3.31	111.71	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	831	CLA	C4D-C3D-CAD	3.31	111.71	108.11
14	A	823	CLA	CMA-C3A-C4A	3.31	120.68	111.77
14	Z	801	CLA	O2A-CGA-CBA	3.31	121.94	111.83
14	B	811	CLA	C3D-C4D-ND	3.31	115.37	109.99
14	G	819	CLA	C1-C2-C3	-3.31	120.77	126.20
14	F	202	CLA	CMA-C3A-C4A	3.31	120.67	111.77
14	H	839	CLA	O2A-CGA-CBA	3.31	121.93	111.83
17	G	846	BCR	C15-C14-C13	-3.31	122.63	127.28
14	G	835	CLA	OBD-CAD-C3D	-3.31	120.68	128.42
14	G	842	CLA	C4D-C3D-CAD	3.31	111.70	108.11
14	f	101	CLA	C4D-C3D-CAD	3.31	111.70	108.11
14	f	102	CLA	C1-O2A-CGA	3.31	124.66	116.65
14	H	829	CLA	O1D-CGD-CBD	-3.31	117.99	124.52
14	Y	837	CLA	CHD-C1D-ND	-3.31	120.14	124.80
17	H	843	BCR	C38-C26-C25	-3.31	120.87	124.48
14	Y	837	CLA	C3D-C4D-ND	3.31	115.37	109.99
17	B	847	BCR	C8-C7-C6	-3.31	118.16	127.00
13	Y	801	CL0	O2A-C1-C2	3.31	120.84	108.11
14	Z	810	CLA	CBC-CAC-C3C	-3.31	103.46	112.42
14	A	842	CLA	C1-C2-C3	-3.31	120.78	126.20
17	Y	845	BCR	C38-C26-C25	-3.31	120.88	124.48
14	F	202	CLA	O2A-CGA-CBA	3.30	124.44	114.00
14	G	826	CLA	CMA-C3A-C4A	3.30	120.65	111.77
14	Z	825	CLA	CMA-C3A-C4A	3.30	120.65	111.77
14	B	838	CLA	C2B-C1B-NB	3.30	113.75	110.33
14	G	816	CLA	CAC-C3C-C4C	3.30	129.09	124.79
14	G	802	CLA	C3D-C4D-ND	3.30	115.36	109.99
14	J	101	CLA	CHD-C1D-ND	-3.30	120.15	124.80
17	Z	850	BCR	C38-C26-C25	-3.30	120.88	124.48
14	U	1003	CLA	C1-C2-C3	-3.30	120.79	126.20
14	G	842	CLA	O2D-CGD-O1D	-3.30	117.42	123.85
14	Z	801	CLA	CHD-C1D-ND	-3.30	120.16	124.80
14	Y	816	CLA	C3D-C4D-ND	3.30	115.35	109.99
14	A	818	CLA	CMB-C2B-C1B	3.30	130.45	125.42
14	A	841	CLA	O2D-CGD-CBD	3.30	117.00	111.23
14	Z	809	CLA	OBD-CAD-C3D	-3.30	120.70	128.42
17	B	842	BCR	C33-C5-C6	-3.30	120.88	124.48
17	B	844	BCR	C33-C5-C4	3.30	120.63	113.60
14	Z	810	CLA	C3B-C2B-C1B	-3.30	103.28	107.17
14	Y	825	CLA	CAC-C3C-C4C	3.30	129.08	124.79
14	Z	838	CLA	CHD-C1D-ND	-3.30	120.16	124.80
14	H	821	CLA	O2A-CGA-CBA	3.30	124.42	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	840	CLA	C1-O2A-CGA	3.30	124.63	116.65
14	B	827	CLA	O2A-C1-C2	3.30	120.79	108.11
14	L	202	CLA	O2A-CGA-CBA	3.30	121.88	111.83
14	A	816	CLA	C3D-C4D-ND	3.30	115.34	109.99
14	B	827	CLA	C3D-C4D-ND	3.29	115.34	109.99
14	G	813	CLA	CMA-C3A-C4A	3.29	120.62	111.77
14	B	817	CLA	O2A-C1-C2	3.29	120.77	108.11
17	L	208	BCR	C34-C9-C8	3.29	123.11	118.09
14	G	819	CLA	C3D-C4D-ND	3.29	115.33	109.99
14	H	812	CLA	O2A-CGA-CBA	3.29	124.39	114.00
14	Z	801	CLA	C4D-C3D-CAD	3.29	111.68	108.11
14	Y	830	CLA	O1D-CGD-CBD	-3.29	118.03	124.52
14	Z	811	CLA	CGD-CBD-CAD	-3.29	100.20	110.85
17	H	844	BCR	C15-C14-C13	-3.29	122.67	127.28
14	G	817	CLA	CMC-C2C-C1C	3.29	130.17	125.03
14	A	806	CLA	CHD-C1D-ND	-3.29	120.18	124.80
14	Z	830	CLA	O2D-CGD-O1D	-3.29	117.45	123.85
14	Y	819	CLA	C1-O2A-CGA	3.29	124.60	116.65
14	A	840	CLA	C3D-C4D-ND	3.29	115.33	109.99
14	B	808	CLA	CHC-C1C-C2C	-3.29	117.61	126.95
14	B	824	CLA	CAA-C2A-C1A	-3.28	101.21	111.97
14	H	822	CLA	C4D-C3D-CAD	3.28	111.67	108.11
14	H	837	CLA	C2B-C1B-NB	3.28	113.73	110.33
14	Z	808	CLA	C3D-C4D-ND	3.28	115.32	109.99
14	A	837	CLA	CMD-C2D-C3D	-3.28	120.16	127.69
14	G	828	CLA	CHD-C1D-ND	-3.28	120.18	124.80
17	Y	846	BCR	C7-C6-C5	-3.28	114.00	121.56
17	Z	843	BCR	C15-C14-C13	-3.28	122.67	127.28
14	A	837	CLA	CMB-C2B-C1B	3.28	130.42	125.42
14	Z	826	CLA	CHB-C4A-NA	3.28	129.14	124.40
14	H	822	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	A	814	CLA	C3D-C4D-ND	3.28	115.32	109.99
14	B	813	CLA	C2B-C1B-NB	3.28	113.73	110.33
14	H	805	CLA	CMB-C2B-C1B	3.28	130.41	125.42
14	A	812	CLA	CHD-C1D-ND	-3.28	120.19	124.80
14	Y	815	CLA	O2A-C1-C2	3.28	120.72	108.11
14	A	821	CLA	C4D-C3D-CAD	3.28	111.67	108.11
17	G	848	BCR	C23-C22-C21	3.28	124.16	119.01
14	Y	814	CLA	O2A-C1-C2	3.28	120.72	108.11
14	Q	202	CLA	CMA-C3A-C4A	3.28	120.58	111.77
14	G	814	CLA	CMC-C2C-C1C	3.28	130.15	125.03
14	G	813	CLA	CMC-C2C-C1C	3.28	130.15	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	841	CLA	CMD-C2D-C3D	-3.27	120.18	127.69
14	G	817	CLA	C3D-C4D-ND	3.27	115.31	109.99
17	H	850	BCR	C38-C26-C25	-3.27	120.91	124.48
14	Z	841	CLA	C6-C5-C3	-3.27	105.49	113.47
14	A	805	CLA	O1D-CGD-CBD	-3.27	118.06	124.52
14	H	819	CLA	O2A-CGA-CBA	3.27	121.81	111.83
14	G	831	CLA	OBD-CAD-C3D	-3.27	120.77	128.42
17	A	851	BCR	C7-C8-C9	-3.27	121.39	126.23
14	Z	834	CLA	C3D-C4D-ND	3.27	115.30	109.99
14	Y	824	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	Y	805	CLA	C1-C2-C3	-3.27	120.84	126.20
17	T	102	BCR	C27-C26-C25	-3.27	118.28	122.70
14	B	827	CLA	C4-C3-C5	3.27	120.90	115.23
17	Y	849	BCR	C15-C14-C13	-3.27	122.69	127.28
14	Z	839	CLA	CBC-CAC-C3C	-3.27	103.56	112.42
17	H	850	BCR	C35-C13-C12	3.27	123.08	118.09
14	B	802	CLA	O2A-CGA-CBA	3.27	121.80	111.83
14	A	824	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	S	1103	CLA	CHD-C1D-ND	-3.27	120.20	124.80
14	f	102	CLA	C2B-C1B-NB	3.27	113.72	110.33
14	W	1701	CLA	CMA-C3A-C4A	3.27	120.56	111.77
14	B	813	CLA	CMC-C2C-C1C	3.27	130.14	125.03
14	B	813	CLA	C4D-C3D-CAD	3.27	111.65	108.11
14	G	833	CLA	C2B-C1B-NB	3.27	113.71	110.33
14	Z	827	CLA	C2B-C1B-NB	3.27	113.71	110.33
14	Y	803	CLA	C4D-C3D-CAD	3.27	111.65	108.11
14	H	806	CLA	C1D-ND-C4D	-3.27	104.02	106.31
14	H	813	CLA	C1-O2A-CGA	3.26	124.55	116.65
14	A	819	CLA	O2D-CGD-O1D	-3.26	117.49	123.85
15	B	841	PQN	C2M-C2-C3	-3.26	119.08	124.45
14	G	832	CLA	CHD-C1D-ND	-3.26	120.21	124.80
17	Y	848	BCR	C36-C18-C17	-3.26	117.53	122.82
14	Y	816	CLA	O1D-CGD-CBD	-3.26	118.08	124.52
14	H	816	CLA	CHD-C1D-ND	-3.26	120.21	124.80
14	A	829	CLA	O2A-C1-C2	3.26	120.66	108.11
14	G	838	CLA	C3D-C4D-ND	3.26	115.29	109.99
14	B	832	CLA	CAA-CBA-CGA	-3.26	103.95	113.21
14	A	810	CLA	C2B-C1B-NB	3.26	113.71	110.33
14	Z	826	CLA	C4-C3-C5	3.26	120.89	115.23
15	H	841	PQN	C11-C3-C2	-3.26	119.30	124.89
14	S	1102	CLA	O2A-CGA-CBA	3.26	124.30	114.00
14	H	819	CLA	C2B-C1B-NB	3.26	113.70	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	823	CLA	O2A-CGA-CBA	3.26	121.77	111.83
14	G	824	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
14	Y	829	CLA	C3D-C4D-ND	3.26	115.28	109.99
14	G	820	CLA	CMA-C3A-C4A	3.26	120.52	111.77
14	Z	826	CLA	CHD-C1D-ND	-3.25	120.22	124.80
14	A	843	CLA	C4D-C3D-CAD	3.25	111.64	108.11
17	H	847	BCR	C15-C14-C13	-3.25	122.72	127.28
14	Y	812	CLA	CHD-C1D-ND	-3.25	120.22	124.80
14	B	820	CLA	O2A-CGA-CBA	3.25	124.28	114.00
14	Z	816	CLA	C3D-C4D-ND	3.25	115.27	109.99
14	H	816	CLA	C3D-C4D-ND	3.25	115.27	109.99
14	B	840	CLA	CAA-C2A-C1A	-3.25	101.32	111.97
14	S	1101	CLA	CMD-C2D-C3D	-3.25	120.23	127.69
14	T	101	CLA	CMC-C2C-C1C	3.25	130.11	125.03
14	A	831	CLA	C3D-C4D-ND	3.25	115.27	109.99
14	A	825	CLA	C4D-C3D-CAD	3.25	111.64	108.11
14	H	819	CLA	C4D-C3D-CAD	3.25	111.64	108.11
14	G	816	CLA	CMA-C3A-C4A	3.25	120.50	111.77
14	H	807	CLA	CHD-C1D-ND	-3.25	120.23	124.80
14	H	824	CLA	O1D-CGD-CBD	-3.25	118.11	124.52
14	G	805	CLA	O2A-C1-C2	3.25	120.60	108.11
14	Y	804	CLA	O1D-CGD-CBD	-3.25	118.11	124.52
14	A	839	CLA	C3D-C4D-ND	3.25	115.26	109.99
17	B	842	BCR	C37-C22-C23	3.25	122.06	114.59
14	Z	808	CLA	C2B-C1B-NB	3.24	113.69	110.33
14	H	806	CLA	CHB-C4A-NA	3.24	129.08	124.40
14	H	822	CLA	O2D-CGD-O1D	-3.24	117.53	123.85
14	Z	840	CLA	C3D-C4D-ND	3.24	115.26	109.99
14	G	826	CLA	C2B-C1B-NB	3.24	113.69	110.33
18	G	850	LHG	O8-C23-O10	-3.24	115.51	123.63
17	G	845	BCR	C34-C9-C8	3.24	123.04	118.09
14	Z	830	CLA	CMA-C3A-C4A	3.24	120.49	111.77
14	G	804	CLA	O2A-C1-C2	3.24	120.58	108.11
14	Y	806	CLA	C4D-C3D-CAD	3.24	111.63	108.11
14	A	826	CLA	O2D-CGD-CBD	3.24	116.90	111.23
14	Y	817	CLA	CHD-C1D-ND	-3.24	120.24	124.80
14	B	809	CLA	CAA-C2A-C1A	3.24	122.59	111.97
17	R	101	BCR	C19-C18-C17	3.24	124.11	119.01
14	Z	811	CLA	O2A-C1-C2	3.24	120.58	108.11
17	Y	853	BCR	C15-C14-C13	-3.24	122.73	127.28
17	H	845	BCR	C39-C30-C25	-3.24	105.16	110.24
14	H	802	CLA	CMB-C2B-C1B	3.24	130.35	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	C2B-C1B-NB	3.24	113.69	110.33
14	G	808	CLA	CMC-C2C-C1C	3.24	130.09	125.03
14	G	820	CLA	CMC-C2C-C1C	3.24	130.09	125.03
17	i	101	BCR	C23-C22-C21	3.24	124.10	119.01
14	Y	829	CLA	O2D-CGD-O1D	-3.24	117.55	123.85
14	B	821	CLA	C3D-C4D-ND	3.24	115.25	109.99
14	Z	841	CLA	C2B-C1B-NB	3.24	113.68	110.33
14	H	816	CLA	CED-O2D-CGD	3.24	123.26	115.92
14	A	838	CLA	CAA-C2A-C1A	3.24	122.58	111.97
17	G	846	BCR	C1-C6-C7	3.24	124.42	115.65
14	A	820	CLA	CMC-C2C-C1C	3.23	130.09	125.03
14	B	838	CLA	O2A-CGA-CBA	3.23	124.22	114.00
14	Z	837	CLA	C4D-C3D-CAD	3.23	111.62	108.11
14	A	830	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
14	G	838	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
14	H	812	CLA	CED-O2D-CGD	3.23	123.24	115.92
14	A	816	CLA	CGD-CBD-CAD	-3.23	100.39	110.85
14	B	814	CLA	CAA-CBA-CGA	3.23	121.11	112.49
17	B	842	BCR	C8-C7-C6	-3.23	118.37	127.00
14	T	101	CLA	O2A-CGA-CBA	3.23	124.20	114.00
14	G	828	CLA	O2D-CGD-CBD	3.23	116.87	111.23
14	B	803	CLA	O2A-C1-C2	3.23	120.53	108.11
14	H	823	CLA	CMB-C2B-C1B	3.23	130.33	125.42
14	Z	838	CLA	C1-O2A-CGA	3.23	124.46	116.65
14	Y	834	CLA	O2A-CGA-CBA	3.23	124.20	114.00
14	A	804	CLA	C2B-C1B-NB	3.23	113.67	110.33
14	Y	804	CLA	O2A-C1-C2	3.23	120.53	108.11
14	B	803	CLA	CHD-C1D-ND	-3.23	120.26	124.80
14	B	833	CLA	C3D-C4D-ND	3.23	115.23	109.99
14	h	205	CLA	CMD-C2D-C3D	-3.23	120.29	127.69
14	Y	824	CLA	C3C-C4C-NC	3.23	114.56	110.43
14	j	102	CLA	C4D-C3D-CAD	3.22	111.61	108.11
14	B	836	CLA	OBD-CAD-C3D	-3.22	120.88	128.42
17	Y	849	BCR	C40-C30-C25	3.22	115.30	110.24
17	S	1105	BCR	C39-C30-C25	-3.22	105.19	110.24
14	G	827	CLA	C2B-C1B-NB	3.22	113.67	110.33
14	G	840	CLA	C3D-C4D-ND	3.22	115.22	109.99
17	Z	850	BCR	C31-C1-C6	-3.22	105.19	110.24
14	B	812	CLA	O1D-CGD-CBD	-3.22	118.16	124.52
14	J	102	CLA	CMC-C2C-C1C	3.22	130.07	125.03
14	U	1007	CLA	C7-C6-C5	-3.22	104.68	113.26
14	G	809	CLA	C3D-C4D-ND	3.22	115.22	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	808	CLA	CHD-C1D-ND	-3.22	120.27	124.80
14	G	818	CLA	O2D-CGD-O1D	-3.22	117.58	123.85
17	Y	844	BCR	C36-C18-C17	-3.22	117.60	122.82
14	Z	819	CLA	CMD-C2D-C3D	-3.22	120.31	127.69
17	Y	853	BCR	C30-C25-C26	-3.22	118.24	122.64
14	Z	830	CLA	C2B-C1B-NB	3.22	113.66	110.33
14	Z	812	CLA	O2D-CGD-O1D	-3.22	117.59	123.85
14	Z	801	CLA	CED-O2D-CGD	3.22	123.21	115.92
14	B	824	CLA	C4-C3-C2	-3.22	115.36	123.63
17	G	849	BCR	C4-C5-C6	-3.22	118.36	122.70
14	Y	807	CLA	CMA-C3A-C4A	3.22	120.42	111.77
14	H	807	CLA	C2B-C1B-NB	3.21	113.66	110.33
14	j	102	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	Z	807	CLA	C3D-C4D-ND	3.21	115.21	109.99
14	G	804	CLA	CHD-C1D-ND	-3.21	120.28	124.80
14	B	822	CLA	O2A-C1-C2	3.21	120.47	108.11
14	H	801	CLA	C4D-C3D-CAD	3.21	111.60	108.11
14	T	101	CLA	CAD-CBD-CHA	-3.21	101.65	105.12
14	A	810	CLA	O2A-CGA-O1A	-3.21	115.60	123.63
14	H	811	CLA	O2A-CGA-O1A	-3.21	115.60	123.63
15	B	841	PQN	C11-C3-C2	-3.21	119.39	124.89
14	H	836	CLA	C3C-C4C-NC	3.21	114.54	110.43
14	Y	813	CLA	C2B-C1B-NB	3.21	113.65	110.33
14	G	825	CLA	CAC-C3C-C4C	3.21	128.96	124.79
14	B	814	CLA	CMC-C2C-C1C	3.21	130.05	125.03
14	G	830	CLA	C3D-C4D-ND	3.21	115.20	109.99
14	Y	808	CLA	C6-C5-C3	-3.21	105.66	113.47
14	A	827	CLA	C2B-C1B-NB	3.21	113.65	110.33
17	G	847	BCR	C34-C9-C8	3.21	122.99	118.09
14	A	822	CLA	C4D-C3D-CAD	3.21	111.59	108.11
14	j	102	CLA	CMD-C2D-C3D	-3.21	120.34	127.69
14	Y	833	CLA	C3D-C4D-ND	3.21	115.20	109.99
14	G	842	CLA	CMC-C2C-C1C	3.20	130.04	125.03
14	Z	815	CLA	C3D-C4D-ND	3.20	115.19	109.99
14	A	818	CLA	O2D-CGD-O1D	-3.20	117.61	123.85
14	H	803	CLA	O2A-CGA-CBA	3.20	121.60	111.83
14	H	836	CLA	OBD-CAD-C3D	-3.20	120.93	128.42
14	G	830	CLA	CHC-C1C-C2C	-3.20	117.85	126.95
14	Z	820	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	A	823	CLA	CMC-C2C-C1C	3.20	130.03	125.03
17	U	1009	BCR	C8-C9-C10	3.20	124.04	119.01
19	Z	849	LMG	O7-C10-C11	3.20	118.40	111.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	814	CLA	C3D-C4D-ND	3.20	115.19	109.99
14	B	822	CLA	C2B-C1B-NB	3.20	113.64	110.33
17	G	849	BCR	C36-C18-C17	3.20	128.00	122.82
14	G	806	CLA	C1-O2A-CGA	3.20	124.39	116.65
14	A	824	CLA	CMD-C2D-C3D	-3.20	120.36	127.69
14	H	851	CLA	CAC-C3C-C4C	3.20	128.95	124.79
14	L	205	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	Y	823	CLA	C2B-C1B-NB	3.20	113.64	110.33
14	B	809	CLA	C1C-C2C-C3C	-3.20	103.62	106.98
14	H	834	CLA	O2D-CGD-O1D	-3.20	117.63	123.85
14	H	818	CLA	CHD-C1D-ND	-3.20	120.31	124.80
14	H	804	CLA	O2A-C1-C2	3.19	120.40	108.11
14	A	835	CLA	C3D-C4D-ND	3.19	115.18	109.99
14	H	803	CLA	C4-C3-C5	3.19	120.77	115.23
14	A	809	CLA	O2D-CGD-O1D	-3.19	117.63	123.85
14	H	822	CLA	O2A-C1-C2	3.19	120.39	108.11
17	S	1105	BCR	C19-C18-C17	3.19	124.03	119.01
17	I	101	BCR	C38-C26-C25	-3.19	121.00	124.48
14	B	806	CLA	C2B-C1B-NB	3.19	113.64	110.33
14	G	806	CLA	C2B-C1B-NB	3.19	113.64	110.33
14	Y	834	CLA	C2B-C1B-NB	3.19	113.64	110.33
14	G	817	CLA	CMA-C3A-C4A	3.19	120.35	111.77
14	G	805	CLA	CMB-C2B-C1B	3.19	130.28	125.42
14	H	810	CLA	CHD-C4C-C3C	-3.19	120.12	124.77
17	Q	201	BCR	C38-C26-C25	3.19	127.96	124.48
14	G	835	CLA	C4D-C3D-CAD	3.19	111.57	108.11
14	B	824	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
17	Y	845	BCR	C36-C18-C17	-3.19	117.65	122.82
14	G	804	CLA	CBC-CAC-C3C	-3.19	103.78	112.42
14	A	835	CLA	CHD-C1D-ND	-3.19	120.32	124.80
17	M	101	BCR	C7-C6-C5	-3.19	114.21	121.56
17	H	846	BCR	C40-C30-C25	3.19	115.24	110.24
13	G	801	CL0	C2D-C1D-ND	3.19	113.28	110.13
14	G	803	CLA	CHB-C4A-NA	3.19	129.00	124.40
14	B	807	CLA	C3D-C4D-ND	3.19	115.17	109.99
14	H	824	CLA	CMA-C3A-C4A	3.18	120.33	111.77
14	U	1003	CLA	O2A-C1-C2	3.18	120.36	108.11
14	G	802	CLA	CED-O2D-CGD	3.18	123.14	115.92
14	L	204	CLA	CED-O2D-CGD	3.18	123.14	115.92
14	H	803	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	G	812	CLA	CMB-C2B-C1B	3.18	130.26	125.42
14	G	837	CLA	CHC-C1C-C2C	-3.18	117.90	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	T	101	CLA	C2B-C1B-NB	3.18	113.63	110.33
14	A	825	CLA	C3C-C4C-NC	3.18	114.50	110.43
14	B	840	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
14	j	102	CLA	C3D-C4D-ND	3.18	115.16	109.99
14	A	834	CLA	C2B-C1B-NB	3.18	113.62	110.33
14	A	841	CLA	C4D-C3D-CAD	3.18	111.56	108.11
14	Z	839	CLA	O2A-CGA-CBA	3.18	124.05	114.00
14	G	814	CLA	CAC-C3C-C4C	3.18	128.93	124.79
14	B	805	CLA	O2D-CGD-CBD	3.18	116.79	111.23
14	H	810	CLA	CMB-C2B-C1B	3.18	130.26	125.42
14	A	817	CLA	C3D-C4D-ND	3.18	115.15	109.99
14	G	853	CLA	CHD-C1D-ND	-3.18	120.33	124.80
14	Z	819	CLA	C3D-C4D-ND	3.18	115.15	109.99
14	G	823	CLA	C2B-C1B-NB	3.18	113.62	110.33
14	Y	836	CLA	CMA-C3A-C4A	3.18	120.31	111.77
14	Y	831	CLA	CMB-C2B-C1B	3.18	130.26	125.42
14	A	822	CLA	CHD-C1D-ND	-3.18	120.33	124.80
14	G	826	CLA	CHD-C1D-ND	-3.18	120.33	124.80
14	B	829	CLA	C3D-C4D-ND	3.18	115.15	109.99
14	B	825	CLA	CMC-C2C-C1C	3.18	130.00	125.03
14	Z	803	CLA	CHB-C4A-NA	3.17	128.98	124.40
14	G	838	CLA	CHC-C1C-C2C	-3.17	117.93	126.95
14	H	829	CLA	CHC-C1C-C2C	-3.17	117.93	126.95
14	Z	829	CLA	C2B-C1B-NB	3.17	113.62	110.33
14	H	839	CLA	CMA-C3A-C4A	3.17	120.30	111.77
17	A	847	BCR	C28-C27-C26	-3.17	108.40	114.06
14	T	101	CLA	C4D-C3D-CAD	3.17	111.66	107.69
14	Y	835	CLA	O2A-C1-C2	3.17	120.31	108.11
14	G	836	CLA	C1-C2-C3	-3.17	121.63	126.76
14	H	838	CLA	CGD-CBD-CAD	-3.17	100.58	110.85
14	G	853	CLA	C3D-C4D-ND	3.17	115.14	109.99
14	Z	824	CLA	CMA-C3A-C4A	3.17	120.29	111.77
14	Z	835	CLA	CHD-C1D-ND	-3.17	120.34	124.80
14	H	839	CLA	O2A-C1-C2	3.17	120.30	108.11
14	H	816	CLA	C2B-C1B-NB	3.17	113.61	110.33
14	G	831	CLA	CMC-C2C-C1C	3.17	129.98	125.03
17	S	1104	BCR	C38-C26-C25	-3.17	121.03	124.48
14	Z	833	CLA	C2B-C1B-NB	3.17	113.61	110.33
14	Z	837	CLA	CHD-C1D-ND	-3.17	120.35	124.80
14	G	852	CLA	CHB-C4A-NA	3.17	128.97	124.40
14	Y	822	CLA	CMD-C2D-C3D	-3.17	120.43	127.69
14	Y	831	CLA	O1D-CGD-CBD	-3.17	118.27	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	820	CLA	CED-O2D-CGD	3.17	123.10	115.92
14	G	806	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	A	830	CLA	C4D-C3D-CAD	3.16	111.54	108.11
17	d	203	BCR	C33-C5-C6	-3.16	121.03	124.48
14	H	811	CLA	CHD-C1D-ND	-3.16	120.35	124.80
14	A	840	CLA	C3C-C4C-NC	3.16	114.48	110.43
14	S	1103	CLA	CMC-C2C-C1C	3.16	129.98	125.03
14	Y	835	CLA	CMC-C2C-C1C	3.16	129.98	125.03
14	T	103	CLA	CMB-C2B-C1B	3.16	130.23	125.42
14	B	821	CLA	C2B-C1B-NB	3.16	113.61	110.33
14	A	817	CLA	CHD-C1D-ND	-3.16	120.35	124.80
14	G	827	CLA	C3D-C4D-ND	3.16	115.13	109.99
14	Y	805	CLA	CMD-C2D-C3D	-3.16	120.44	127.69
17	B	850	BCR	C36-C18-C19	-3.16	113.26	118.09
14	G	825	CLA	CMA-C3A-C4A	3.16	120.26	111.77
14	Y	812	CLA	C4-C3-C5	3.16	120.71	115.23
17	Q	203	BCR	C34-C9-C8	3.16	122.91	118.09
14	Y	815	CLA	C3D-C4D-ND	3.16	115.12	109.99
14	Z	815	CLA	C2B-C1B-NB	3.16	113.60	110.33
14	Z	806	CLA	CMC-C2C-C1C	3.16	129.97	125.03
14	G	853	CLA	O2D-CGD-CBD	3.16	116.75	111.23
14	G	821	CLA	C1-O2A-CGA	3.16	124.29	116.65
14	H	830	CLA	CAA-CBA-CGA	3.16	120.91	112.49
14	Z	812	CLA	C4-C3-C5	3.15	120.70	115.23
14	U	1004	CLA	CHD-C1D-ND	-3.15	120.36	124.80
17	I	101	BCR	C37-C22-C21	-3.15	117.71	122.82
14	L	201	CLA	C6-C5-C3	-3.15	105.78	113.47
14	A	802	CLA	CHB-C4A-NA	3.15	128.95	124.40
17	G	849	BCR	C36-C18-C19	-3.15	113.27	118.09
14	G	817	CLA	C4D-C3D-CAD	3.15	111.53	108.11
17	F	201	BCR	C37-C22-C23	3.15	122.90	118.09
14	Y	824	CLA	CMA-C3A-C4A	3.15	120.24	111.77
14	B	828	CLA	CMC-C2C-C1C	3.15	129.96	125.03
14	A	809	CLA	C2B-C1B-NB	3.15	113.59	110.33
17	J	103	BCR	C27-C26-C25	-3.15	118.45	122.70
14	H	805	CLA	CHD-C1D-ND	-3.15	120.37	124.80
14	G	826	CLA	C3D-C4D-ND	3.15	115.10	109.99
14	H	821	CLA	C3D-C4D-ND	3.15	115.10	109.99
14	A	854	CLA	O1D-CGD-CBD	-3.15	118.31	124.52
14	A	836	CLA	CED-O2D-CGD	3.15	123.06	115.92
14	Y	824	CLA	C2B-C1B-NB	3.15	113.59	110.33
14	Z	839	CLA	C2B-C1B-NB	3.15	113.59	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	836	CLA	C4D-C3D-CAD	3.15	111.52	108.11
14	B	810	CLA	CMC-C2C-C1C	3.15	129.95	125.03
14	Z	835	CLA	CMC-C2C-C1C	3.15	129.95	125.03
17	Y	849	BCR	C33-C5-C4	3.15	120.30	113.60
14	S	1103	CLA	C3D-C4D-ND	3.14	115.10	109.99
14	Y	809	CLA	CHD-C1D-ND	-3.14	120.38	124.80
14	B	806	CLA	O2A-CGA-O1A	-3.14	115.77	123.63
17	d	203	BCR	C35-C13-C12	-3.14	113.29	118.09
14	A	854	CLA	CMC-C2C-C1C	3.14	129.94	125.03
14	L	202	CLA	C1-O2A-CGA	3.14	124.26	116.65
17	Y	844	BCR	C34-C9-C10	-3.14	117.73	122.82
14	Y	821	CLA	CHD-C1D-ND	-3.14	120.38	124.80
17	H	850	BCR	C23-C22-C21	3.14	123.95	119.01
14	K	101	CLA	CHD-C1D-ND	-3.14	120.38	124.80
14	H	807	CLA	O2A-CGA-CBA	3.14	121.41	111.83
14	Z	838	CLA	C3D-C4D-ND	3.14	115.09	109.99
17	h	207	BCR	C37-C22-C21	-3.14	117.73	122.82
14	B	839	CLA	CMB-C2B-C1B	3.14	130.20	125.42
14	B	824	CLA	CHD-C1D-ND	-3.14	120.39	124.80
14	B	823	CLA	C4D-C3D-CAD	3.14	111.52	108.11
14	A	806	CLA	CMB-C2B-C1B	3.14	130.20	125.42
17	Y	853	BCR	C7-C8-C9	-3.14	121.59	126.23
14	T	101	CLA	CHD-C1D-ND	-3.14	120.39	124.80
17	J	103	BCR	C34-C9-C10	-3.14	117.73	122.82
14	H	829	CLA	CMA-C3A-C4A	3.14	120.20	111.77
14	G	808	CLA	O1D-CGD-CBD	-3.14	118.33	124.52
14	H	817	CLA	C3D-C4D-ND	3.14	115.08	109.99
14	Z	812	CLA	C3D-C4D-ND	3.14	115.08	109.99
17	Z	843	BCR	C34-C9-C10	-3.13	117.74	122.82
17	Z	844	BCR	C28-C27-C26	-3.13	108.47	114.06
14	S	1103	CLA	O2A-C1-C2	3.13	120.16	108.11
14	A	824	CLA	C4D-C3D-CAD	3.13	111.51	108.11
14	Z	816	CLA	C4D-C3D-CAD	3.13	111.51	108.11
14	B	802	CLA	C3D-C4D-ND	3.13	115.08	109.99
14	H	833	CLA	CMC-C2C-C1C	3.13	129.93	125.03
14	Y	828	CLA	C3D-C4D-ND	3.13	115.07	109.99
14	Y	826	CLA	C2B-C1B-NB	3.13	113.57	110.33
14	Y	811	CLA	C3D-C4D-ND	3.13	115.07	109.99
14	Y	829	CLA	CHD-C1D-ND	-3.13	120.40	124.80
14	L	201	CLA	O1D-CGD-CBD	-3.13	118.35	124.52
14	B	818	CLA	C2B-C1B-NB	3.13	113.57	110.33
14	Y	833	CLA	CAC-C3C-C4C	3.13	128.86	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	852	CLA	C3D-C4D-ND	3.13	115.07	109.99
14	G	803	CLA	O2A-C1-C2	3.13	120.14	108.11
14	H	802	CLA	OBD-CAD-C3D	-3.13	121.11	128.42
14	B	833	CLA	CHD-C1D-ND	-3.13	120.40	124.80
14	H	821	CLA	C4D-C3D-CAD	3.13	111.50	108.11
14	A	812	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
14	T	103	CLA	O2A-CGA-CBA	3.12	123.87	114.00
14	H	807	CLA	O2A-CGA-O1A	-3.12	115.81	123.63
14	G	830	CLA	CAA-CBA-CGA	3.12	122.08	113.21
14	H	827	CLA	C2B-C1B-NB	3.12	113.56	110.33
14	G	816	CLA	CHD-C1D-ND	-3.12	120.41	124.80
17	Y	848	BCR	C30-C25-C26	-3.12	118.37	122.64
14	A	809	CLA	O1D-CGD-CBD	-3.12	118.36	124.52
14	Z	828	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	A	816	CLA	C1-O2A-CGA	3.12	124.21	116.65
14	H	839	CLA	C3C-C4C-NC	3.12	114.43	110.43
14	G	805	CLA	C3D-C4D-ND	3.12	115.06	109.99
14	A	838	CLA	CMB-C2B-C1B	3.12	130.17	125.42
14	A	803	CLA	CAA-C2A-C3A	-3.12	104.56	113.00
17	G	847	BCR	C30-C25-C24	3.12	124.12	115.65
14	Y	814	CLA	C3C-C4C-NC	3.12	114.43	110.43
14	Y	807	CLA	CMC-C2C-C1C	3.12	129.91	125.03
14	Y	805	CLA	O1D-CGD-CBD	-3.12	118.36	124.52
14	A	832	CLA	C3C-C4C-NC	3.12	114.43	110.43
14	Z	826	CLA	O2A-C1-C2	3.12	120.12	108.11
17	R	102	BCR	C19-C18-C17	3.12	123.92	119.01
14	J	101	CLA	O2A-CGA-CBA	3.12	123.85	114.00
14	Y	805	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
14	B	813	CLA	O2A-C1-C2	3.12	120.11	108.11
17	L	207	BCR	C23-C22-C21	3.12	123.91	119.01
14	Y	825	CLA	C4D-C3D-CAD	3.12	111.49	108.11
14	G	852	CLA	CED-O2D-CGD	3.12	122.98	115.92
14	Y	815	CLA	CHD-C1D-ND	-3.12	120.42	124.80
14	Z	817	CLA	C3D-C4D-ND	3.12	115.05	109.99
14	A	830	CLA	CMD-C2D-C3D	-3.12	120.55	127.69
14	Y	808	CLA	O1D-CGD-CBD	-3.12	118.37	124.52
14	H	835	CLA	CHD-C1D-ND	-3.11	120.42	124.80
17	I	102	BCR	C40-C30-C25	-3.11	105.36	110.24
14	H	805	CLA	C3D-C4D-ND	3.11	115.05	109.99
17	Y	845	BCR	C7-C8-C9	-3.11	121.63	126.23
17	T	102	BCR	C8-C7-C6	-3.11	118.68	127.00
14	A	812	CLA	CBC-CAC-C3C	-3.11	103.98	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	804	CLA	CMB-C2B-C1B	3.11	130.16	125.42
14	A	821	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
14	Y	805	CLA	C2B-C1B-NB	3.11	113.55	110.33
17	Q	201	BCR	C34-C9-C10	-3.11	117.78	122.82
14	A	830	CLA	O2A-C1-C2	3.11	120.08	108.11
14	A	806	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
14	H	834	CLA	C2B-C1B-NB	3.11	113.55	110.33
14	S	1101	CLA	C2B-C1B-NB	3.11	113.55	110.33
14	B	835	CLA	C3D-C4D-ND	3.11	115.04	109.99
14	Z	801	CLA	CMC-C2C-C1C	3.11	129.89	125.03
14	A	842	CLA	C4-C3-C5	3.11	120.62	115.23
14	G	826	CLA	CMD-C2D-C3D	-3.11	120.56	127.69
14	Y	803	CLA	O1D-CGD-CBD	-3.11	118.39	124.52
14	H	807	CLA	C3D-C4D-ND	3.11	115.04	109.99
14	J	101	CLA	C3D-C4D-ND	3.11	115.04	109.99
14	H	837	CLA	CHD-C1D-ND	-3.11	120.43	124.80
14	Y	811	CLA	CHD-C1D-ND	-3.11	120.43	124.80
17	H	846	BCR	C7-C6-C5	-3.11	114.40	121.56
14	H	839	CLA	C2B-C1B-NB	3.11	113.55	110.33
14	L	204	CLA	O2A-C1-C2	3.10	120.06	108.11
14	A	843	CLA	C3D-C4D-ND	3.10	115.03	109.99
14	T	103	CLA	CED-O2D-CGD	3.10	122.96	115.92
14	A	806	CLA	O2A-C1-C2	3.10	120.05	108.11
14	U	1002	CLA	O2A-C1-C2	3.10	120.05	108.11
14	H	827	CLA	C3C-C4C-NC	3.10	114.41	110.43
14	A	819	CLA	C4D-C3D-CAD	3.10	111.48	108.11
14	A	842	CLA	CHD-C1D-ND	-3.10	120.44	124.80
14	A	818	CLA	C2B-C1B-NB	3.10	113.54	110.33
14	G	807	CLA	CHD-C1D-ND	-3.10	120.44	124.80
14	Y	838	CLA	CMC-C2C-C1C	3.10	129.88	125.03
14	G	837	CLA	CMC-C2C-C3C	3.10	134.54	126.15
14	h	205	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
14	Y	816	CLA	CHD-C1D-ND	-3.10	120.44	124.80
14	G	805	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
14	Z	840	CLA	CHD-C1D-ND	-3.10	120.44	124.80
14	G	826	CLA	CHC-C1C-C2C	-3.10	118.14	126.95
14	Z	814	CLA	CMC-C2C-C1C	3.10	129.88	125.03
14	H	828	CLA	O2A-CGA-O1A	-3.10	115.88	123.63
14	B	825	CLA	C4D-C3D-CAD	3.10	111.47	108.11
14	H	804	CLA	C2B-C1B-NB	3.10	113.54	110.33
17	T	102	BCR	C3-C4-C5	-3.10	108.53	114.06
14	H	828	CLA	CHD-C1D-ND	-3.10	120.44	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	848	BCR	C23-C22-C21	3.10	123.88	119.01
14	B	835	CLA	CMD-C2D-C3D	-3.10	120.59	127.69
14	Y	832	CLA	CMD-C2D-C3D	-3.10	120.59	127.69
14	A	820	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
14	A	816	CLA	O2A-C1-C2	3.10	120.02	108.11
14	Y	804	CLA	CHB-C4A-NA	3.10	128.87	124.40
14	G	833	CLA	C4D-C3D-CAD	3.10	111.47	108.11
14	A	811	CLA	OBD-CAD-C3D	-3.10	121.18	128.42
17	Y	845	BCR	C38-C26-C27	3.10	120.19	113.60
14	Z	837	CLA	C3D-C4D-ND	3.09	115.02	109.99
14	Y	804	CLA	C3D-C4D-ND	3.09	115.02	109.99
14	Z	802	CLA	CMC-C2C-C1C	3.09	129.87	125.03
14	H	814	CLA	CMD-C2D-C3D	-3.09	120.60	127.69
14	Y	827	CLA	CAC-C3C-C4C	3.09	128.81	124.79
14	H	834	CLA	C3D-C4D-ND	3.09	115.01	109.99
17	J	103	BCR	C1-C6-C7	3.09	124.03	115.65
14	S	1102	CLA	C2B-C1B-NB	3.09	113.53	110.33
14	Z	801	CLA	CAA-C2A-C3A	-3.09	104.65	113.00
17	A	849	BCR	C38-C26-C25	-3.09	121.11	124.48
14	G	823	CLA	C3D-C4D-ND	3.09	115.01	109.99
14	S	1102	CLA	C3D-C4D-ND	3.09	115.01	109.99
14	G	833	CLA	C1-O2A-CGA	3.09	124.13	116.65
17	B	844	BCR	C40-C30-C25	-3.09	105.40	110.24
14	H	840	CLA	C4C-C3C-C2C	-3.09	102.40	106.89
14	Y	815	CLA	CMC-C2C-C1C	3.09	129.86	125.03
14	g	102	CLA	CMA-C3A-C4A	3.09	120.07	111.77
14	G	829	CLA	O2A-C1-C2	3.09	119.99	108.11
14	G	805	CLA	CHD-C1D-ND	-3.09	120.46	124.80
14	Z	820	CLA	O1D-CGD-CBD	-3.09	118.43	124.52
14	Z	802	CLA	CBB-CAB-C3B	-3.09	112.10	127.53
14	A	817	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
14	Z	805	CLA	CHB-C4A-NA	3.09	128.85	124.40
14	Y	820	CLA	C4D-C3D-CAD	3.09	111.46	108.11
14	A	824	CLA	C2B-C1B-NB	3.08	113.53	110.33
17	R	101	BCR	C30-C25-C26	-3.08	118.42	122.64
14	T	101	CLA	C3D-C4D-ND	3.08	115.00	109.99
14	Z	816	CLA	O1D-CGD-CBD	-3.08	118.44	124.52
14	Z	812	CLA	CHD-C1D-ND	-3.08	120.46	124.80
14	U	1003	CLA	CMB-C2B-C3B	3.08	133.80	126.55
14	B	801	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	Z	808	CLA	O2A-CGA-O1A	-3.08	115.92	123.63
17	Y	853	BCR	C38-C26-C25	-3.08	121.12	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	801	CLA	CHB-C4A-NA	3.08	128.85	124.40
14	A	832	CLA	O2A-CGA-CBA	3.08	121.23	111.83
14	Z	838	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	Z	829	CLA	O2A-C1-C2	3.08	119.96	108.11
14	B	813	CLA	CHD-C1D-ND	-3.08	120.47	124.80
14	W	1701	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	G	817	CLA	C1-O2A-CGA	3.08	124.11	116.65
14	A	832	CLA	CMC-C2C-C1C	3.08	129.85	125.03
14	A	805	CLA	O2A-C1-C2	3.08	119.96	108.11
14	H	801	CLA	CMC-C2C-C1C	3.08	129.84	125.03
17	Z	843	BCR	C37-C22-C23	3.08	122.79	118.09
14	B	837	CLA	O2A-C1-C2	3.08	119.95	108.11
14	d	202	CLA	CMA-C3A-C4A	3.08	120.05	111.77
14	Z	810	CLA	C6-C5-C3	-3.08	105.97	113.47
17	H	842	BCR	C34-C9-C10	-3.08	117.83	122.82
14	Y	825	CLA	C3D-C4D-ND	3.08	114.99	109.99
14	B	809	CLA	O2A-C1-C2	3.08	119.95	108.11
14	G	811	CLA	CHD-C1D-ND	-3.08	120.47	124.80
14	A	837	CLA	C2B-C1B-NB	3.08	113.52	110.33
14	K	101	CLA	CMD-C2D-C3D	-3.08	120.63	127.69
17	H	846	BCR	C1-C6-C5	-3.08	118.43	122.64
14	Z	820	CLA	C3D-C4D-ND	3.08	114.99	109.99
14	G	840	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	H	807	CLA	C4D-C3D-CAD	3.08	111.45	108.11
14	H	801	CLA	CHD-C1D-ND	-3.07	120.47	124.80
14	H	813	CLA	O1D-CGD-CBD	-3.07	118.45	124.52
14	Y	803	CLA	CAC-C3C-C4C	3.07	128.79	124.79
14	f	102	CLA	CMC-C2C-C1C	3.07	129.84	125.03
17	L	208	BCR	C8-C9-C10	3.07	123.84	119.01
17	B	847	BCR	C23-C24-C25	-3.07	118.79	127.00
14	Z	813	CLA	CHD-C1D-ND	-3.07	120.48	124.80
18	j	101	LHG	O8-C23-C24	3.07	121.20	111.83
14	B	824	CLA	CHB-C4A-NA	3.07	128.83	124.40
14	A	840	CLA	CAC-C3C-C4C	3.07	128.79	124.79
14	B	817	CLA	CMC-C2C-C1C	3.07	129.83	125.03
14	A	824	CLA	O2A-C1-C2	3.07	119.93	108.11
14	B	835	CLA	O2A-CGA-CBA	3.07	123.70	114.00
14	H	826	CLA	O2A-C1-C2	3.07	119.93	108.11
14	B	806	CLA	CMD-C2D-C3D	-3.07	120.65	127.69
14	A	805	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
14	B	801	CLA	C3D-C4D-ND	3.07	114.98	109.99
17	M	101	BCR	C24-C25-C26	-3.07	114.49	121.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	815	CLA	C3D-C4D-ND	3.07	114.97	109.99
15	G	843	PQN	C2M-C2-C3	-3.07	119.41	124.45
14	Z	839	CLA	CED-O2D-CGD	3.07	122.87	115.92
18	G	850	LHG	O7-C7-C8	3.07	118.12	111.48
14	G	832	CLA	OBD-CAD-C3D	-3.07	121.25	128.42
14	X	1701	CLA	C2B-C1B-NB	3.07	113.51	110.33
14	B	814	CLA	O1D-CGD-CBD	-3.07	118.47	124.52
14	H	830	CLA	CHB-C4A-NA	3.07	128.82	124.40
14	Y	811	CLA	CMC-C2C-C1C	3.07	129.82	125.03
14	f	102	CLA	C4D-C3D-CAD	3.07	111.44	108.11
14	L	202	CLA	C7-C6-C5	-3.07	105.09	113.26
14	d	201	CLA	C3D-C4D-ND	3.06	114.97	109.99
14	Y	803	CLA	C2B-C1B-NB	3.06	113.50	110.33
14	H	812	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
14	B	814	CLA	OBD-CAD-C3D	-3.06	121.26	128.42
14	A	854	CLA	C3D-C4D-ND	3.06	114.97	109.99
17	G	849	BCR	C3-C4-C5	-3.06	108.60	114.06
14	A	805	CLA	CMB-C2B-C3B	3.06	133.75	126.55
17	Z	848	BCR	C34-C9-C10	-3.06	117.86	122.82
14	Y	810	CLA	C3D-C4D-ND	3.06	114.96	109.99
14	B	829	CLA	CMD-C2D-C3D	-3.06	120.67	127.69
14	B	830	CLA	C3D-C4D-ND	3.06	114.96	109.99
14	G	834	CLA	CMC-C2C-C1C	3.06	129.81	125.03
14	A	834	CLA	CMC-C2C-C1C	3.06	129.81	125.03
14	G	839	CLA	CED-O2D-CGD	3.06	122.85	115.92
17	A	846	BCR	C39-C30-C25	-3.06	105.45	110.24
14	G	822	CLA	C2B-C1B-NB	3.06	113.50	110.33
14	B	825	CLA	CMA-C3A-C4A	3.06	119.99	111.77
14	Y	822	CLA	C4D-C3D-CAD	3.06	111.42	108.11
14	Y	826	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	Z	829	CLA	C3D-C4D-ND	3.05	114.95	109.99
14	Z	837	CLA	C3C-C4C-NC	3.05	114.34	110.43
14	Y	812	CLA	CMB-C2B-C1B	3.05	130.07	125.42
17	J	104	BCR	C30-C25-C24	3.05	123.93	115.65
14	Y	832	CLA	O2A-CGA-CBA	3.05	121.15	111.83
14	G	827	CLA	CMB-C2B-C1B	3.05	130.07	125.42
14	G	825	CLA	C16-C15-C13	-3.05	105.81	115.97
14	B	806	CLA	CHC-C1C-C2C	-3.05	118.27	126.95
14	G	842	CLA	CHD-C1D-ND	-3.05	120.51	124.80
14	H	832	CLA	O1D-CGD-CBD	-3.05	118.50	124.52
17	M	101	BCR	C30-C25-C24	3.05	123.93	115.65
14	Y	830	CLA	O2A-C1-C2	3.05	119.85	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	806	CLA	CMB-C2B-C1B	3.05	130.07	125.42
14	B	836	CLA	CHD-C1D-ND	-3.05	120.51	124.80
14	G	814	CLA	C4D-C3D-CAD	3.05	111.42	108.11
14	B	811	CLA	CHC-C1C-C2C	-3.05	118.28	126.95
14	B	834	CLA	CHD-C1D-ND	-3.05	120.51	124.80
17	Y	847	BCR	C27-C26-C25	-3.05	118.58	122.70
14	Z	817	CLA	C3C-C4C-NC	3.05	114.34	110.43
14	B	815	CLA	CHD-C1D-ND	-3.05	120.51	124.80
17	B	844	BCR	C1-C6-C5	-3.05	118.47	122.64
14	Y	826	CLA	CMC-C2C-C1C	3.05	129.80	125.03
14	H	828	CLA	CMB-C2B-C1B	3.05	130.06	125.42
14	Z	802	CLA	CMB-C2B-C1B	3.05	130.06	125.42
17	J	103	BCR	C8-C7-C6	-3.05	118.86	127.00
17	Y	849	BCR	C24-C25-C26	-3.05	114.54	121.56
14	Z	801	CLA	OBD-CAD-C3D	-3.05	121.30	128.42
14	G	835	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
14	S	1101	CLA	O2A-C1-C2	3.05	119.83	108.11
14	Y	813	CLA	OBD-CAD-C3D	-3.04	121.30	128.42
14	Y	810	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	Y	832	CLA	C3D-C4D-ND	3.04	114.94	109.99
14	A	818	CLA	C3D-C4D-ND	3.04	114.93	109.99
14	Z	834	CLA	O2A-CGA-CBA	3.04	123.61	114.00
14	Z	820	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	B	830	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	H	808	CLA	C3D-C4D-ND	3.04	114.93	109.99
14	H	803	CLA	C4D-C3D-CAD	3.04	111.41	108.11
17	A	849	BCR	C30-C25-C26	-3.04	118.48	122.64
14	A	802	CLA	C3D-C4D-ND	3.04	114.93	109.99
14	B	802	CLA	CHB-C4A-NA	3.04	128.79	124.40
14	H	828	CLA	C4D-C3D-CAD	3.04	111.41	108.11
14	G	830	CLA	CED-O2D-CGD	3.04	122.80	115.92
14	A	831	CLA	CAA-C2A-C3A	-3.04	104.79	113.00
17	Q	203	BCR	C2-C1-C6	3.04	114.85	110.44
14	Y	827	CLA	C3C-C4C-NC	3.04	114.32	110.43
14	G	836	CLA	CHD-C1D-ND	-3.04	120.53	124.80
14	B	823	CLA	C2B-C1B-NB	3.04	113.47	110.33
14	B	814	CLA	CHD-C1D-ND	-3.04	120.53	124.80
14	G	822	CLA	CGD-CBD-CAD	-3.04	101.02	110.85
19	Z	849	LMG	O1-C1-C2	3.03	112.88	108.27
14	B	822	CLA	C3D-C4D-ND	3.03	114.92	109.99
14	H	837	CLA	CAC-C3C-C4C	3.03	128.74	124.79
17	Z	846	BCR	C36-C18-C19	-3.03	113.45	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	804	CLA	O2D-CGD-O1D	-3.03	117.94	123.85
14	Z	816	CLA	CHD-C1D-ND	-3.03	120.53	124.80
17	G	846	BCR	C34-C9-C10	-3.03	117.90	122.82
17	R	101	BCR	C7-C8-C9	-3.03	121.75	126.23
14	B	808	CLA	CBC-CAC-C3C	-3.03	104.21	112.42
14	Z	806	CLA	CHD-C1D-ND	-3.03	120.54	124.80
14	H	833	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
14	B	805	CLA	C4-C3-C5	3.03	120.48	115.23
14	G	811	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
14	Y	831	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
17	G	849	BCR	C37-C22-C23	3.03	122.71	118.09
17	J	103	BCR	C37-C22-C23	3.03	122.71	118.09
14	Y	841	CLA	C1-C2-C3	-3.03	121.24	126.20
14	A	828	CLA	CMB-C2B-C1B	3.03	130.03	125.42
14	U	1006	CLA	C3D-C4D-ND	3.03	114.91	109.99
17	Y	853	BCR	C33-C5-C6	-3.03	121.18	124.48
14	B	832	CLA	CHD-C1D-ND	-3.03	120.55	124.80
14	Z	841	CLA	C3D-C4D-ND	3.02	114.90	109.99
14	Y	839	CLA	C3D-C4D-ND	3.02	114.90	109.99
14	Z	813	CLA	C3D-C4D-ND	3.02	114.90	109.99
14	H	809	CLA	CHD-C1D-ND	-3.02	120.55	124.80
14	Y	805	CLA	O2A-C1-C2	3.02	119.74	108.11
14	A	807	CLA	CAC-C3C-C4C	3.02	128.72	124.79
17	J	104	BCR	C24-C25-C26	-3.02	114.59	121.56
14	G	853	CLA	CMB-C2B-C3B	3.02	133.66	126.55
14	L	202	CLA	CGD-CBD-CAD	-3.02	101.07	110.85
14	Z	807	CLA	O2A-C1-C2	3.02	119.73	108.11
17	S	1105	BCR	C7-C6-C5	-3.02	114.60	121.56
14	H	813	CLA	C3D-C4D-ND	3.02	114.89	109.99
14	G	829	CLA	CMA-C3A-C4A	3.02	119.89	111.77
14	Q	202	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
14	Y	824	CLA	CED-O2D-CGD	3.02	122.76	115.92
14	G	809	CLA	CMA-C3A-C4A	3.02	119.89	111.77
14	A	804	CLA	C4D-C3D-CAD	3.02	111.38	108.11
14	Z	834	CLA	C4D-C3D-CAD	3.02	111.38	108.11
14	g	102	CLA	CHD-C1D-ND	-3.02	120.56	124.80
14	Y	818	CLA	CHD-C1D-ND	-3.01	120.56	124.80
14	B	814	CLA	C4D-C3D-CAD	3.01	111.38	108.11
14	Y	814	CLA	C2B-C1B-NB	3.01	113.45	110.33
14	Z	808	CLA	CBC-CAC-C3C	-3.01	104.25	112.42
14	L	204	CLA	C2B-C1B-NB	3.01	113.45	110.33
14	G	840	CLA	O2A-CGA-CBA	3.01	121.02	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	L	207	BCR	C31-C1-C6	-3.01	105.52	110.24
14	H	802	CLA	CMC-C2C-C1C	3.01	129.74	125.03
14	A	821	CLA	O2A-C1-C2	3.01	119.70	108.11
14	A	821	CLA	C4A-NA-C1A	3.01	108.05	106.68
14	f	101	CLA	C2B-C1B-NB	3.01	113.45	110.33
14	Z	824	CLA	C3D-C4D-ND	3.01	114.88	109.99
14	G	821	CLA	CMB-C2B-C3B	3.01	133.63	126.55
14	A	804	CLA	C3D-C4D-ND	3.01	114.88	109.99
14	H	851	CLA	C3C-C4C-NC	3.01	114.29	110.43
14	A	817	CLA	C4D-C3D-CAD	3.01	111.38	108.11
13	G	801	CL0	CAC-C3C-C4C	3.01	128.71	124.79
14	Z	839	CLA	O1D-CGD-CBD	-3.01	118.58	124.52
14	X	1701	CLA	O2A-CGA-CBA	3.01	123.51	114.00
14	A	825	CLA	O2A-C1-C2	3.01	119.68	108.11
14	g	101	CLA	CHD-C1D-ND	-3.01	120.57	124.80
14	Y	807	CLA	C4-C3-C5	3.01	119.67	116.13
14	A	804	CLA	O2A-C1-C2	3.01	119.68	108.11
14	Y	836	CLA	C5-C3-C2	-3.01	114.42	121.17
14	H	808	CLA	O1D-CGD-CBD	-3.01	118.59	124.52
14	Z	836	CLA	CMC-C2C-C1C	3.01	129.73	125.03
14	d	202	CLA	O2A-CGA-CBA	3.00	123.49	114.00
14	G	834	CLA	C1-O2A-CGA	3.00	123.92	116.65
17	G	847	BCR	C37-C22-C21	-3.00	117.95	122.82
14	B	805	CLA	C3D-C4D-ND	3.00	114.87	109.99
14	Z	830	CLA	C3D-C4D-ND	3.00	114.87	109.99
14	B	811	CLA	O2D-CGD-CBD	3.00	116.48	111.23
17	U	1008	BCR	C30-C25-C26	-3.00	118.53	122.64
14	H	823	CLA	C3D-C4D-ND	3.00	114.87	109.99
14	h	201	CLA	CMB-C2B-C3B	3.00	133.61	126.55
14	Z	813	CLA	CED-O2D-CGD	3.00	122.72	115.92
14	G	831	CLA	CAC-C3C-C4C	3.00	128.69	124.79
14	B	806	CLA	C6-C5-C3	-3.00	106.16	113.47
17	H	850	BCR	C36-C18-C17	-3.00	117.95	122.82
14	G	826	CLA	O2A-C1-C2	3.00	119.65	108.11
14	H	823	CLA	CMD-C2D-C3D	-3.00	120.81	127.69
14	Z	814	CLA	C3C-C4C-NC	3.00	114.27	110.43
14	U	1002	CLA	C3D-C4D-ND	3.00	114.86	109.99
14	U	1006	CLA	C2B-C1B-NB	3.00	113.44	110.33
14	Z	834	CLA	CHB-C4A-NA	3.00	128.72	124.40
14	Y	824	CLA	O2D-CGD-O1D	-3.00	118.02	123.85
17	B	846	BCR	C8-C7-C6	-3.00	118.99	127.00
14	K	101	CLA	C3D-C4D-ND	3.00	114.86	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	844	BCR	C23-C24-C25	-3.00	119.00	127.00
14	G	816	CLA	O2A-C1-C2	3.00	119.63	108.11
14	G	824	CLA	O2A-C1-C2	2.99	119.63	108.11
14	Z	808	CLA	CAC-C3C-C4C	2.99	128.69	124.79
14	Y	835	CLA	CMA-C3A-C4A	2.99	119.82	111.77
14	Y	806	CLA	CED-O2D-CGD	2.99	122.71	115.92
17	U	1005	BCR	C3-C4-C5	-2.99	108.72	114.06
14	L	206	CLA	CHB-C4A-NA	2.99	128.72	124.40
14	Y	815	CLA	CMA-C3A-C4A	2.99	119.82	111.77
14	G	811	CLA	CAA-C2A-C1A	-2.99	102.17	111.97
14	Y	823	CLA	CAC-C3C-C4C	2.99	128.68	124.79
14	B	809	CLA	CMA-C3A-C4A	2.99	119.81	111.77
14	G	820	CLA	C4D-C3D-CAD	2.99	111.35	108.11
14	B	805	CLA	CHD-C1D-ND	-2.99	120.59	124.80
14	A	824	CLA	C1-O2A-CGA	2.99	123.89	116.65
14	B	839	CLA	O2A-C1-C2	2.99	119.61	108.11
14	S	1102	CLA	CHD-C1D-ND	-2.99	120.59	124.80
14	Z	815	CLA	CHD-C1D-ND	-2.99	120.59	124.80
17	A	846	BCR	C40-C30-C25	2.99	114.93	110.24
14	B	814	CLA	C3D-C4D-ND	2.99	114.84	109.99
14	L	205	CLA	O1D-CGD-CBD	-2.99	118.63	124.52
14	j	102	CLA	O2D-CGD-CBD	2.99	116.45	111.23
14	G	821	CLA	O2A-C1-C2	2.99	119.60	108.11
14	Y	828	CLA	CED-O2D-CGD	2.99	122.69	115.92
14	B	828	CLA	CHD-C1D-ND	-2.98	120.60	124.80
14	Y	819	CLA	C3D-C4D-ND	2.98	114.84	109.99
14	d	202	CLA	C3D-C4D-ND	2.98	114.84	109.99
14	H	835	CLA	C2B-C1B-NB	2.98	113.42	110.33
14	Y	829	CLA	CMD-C2D-C3D	-2.98	120.85	127.69
14	B	817	CLA	CHD-C1D-ND	-2.98	120.61	124.80
14	A	831	CLA	O2A-C1-C2	2.98	119.58	108.11
14	H	808	CLA	CMA-C3A-C4A	2.98	119.78	111.77
14	B	824	CLA	C4D-C3D-CAD	2.98	111.34	108.11
14	G	821	CLA	CHB-C4A-NA	2.98	128.70	124.40
14	Y	828	CLA	C1-O2A-CGA	2.98	123.86	116.65
14	A	836	CLA	CHD-C1D-ND	-2.98	120.61	124.80
14	B	834	CLA	C4D-C3D-CAD	2.98	111.34	108.11
17	A	850	BCR	C37-C22-C21	-2.98	117.99	122.82
14	Z	818	CLA	CHD-C1D-ND	-2.98	120.61	124.80
14	G	823	CLA	CMD-C2D-C3D	-2.98	120.86	127.69
14	A	807	CLA	O2D-CGD-O1D	-2.98	118.06	123.85
14	Y	819	CLA	C4D-C3D-CAD	2.97	111.34	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	836	CLA	C2B-C1B-NB	2.97	113.41	110.33
14	Z	840	CLA	C3C-C4C-NC	2.97	114.24	110.43
14	K	102	CLA	C3D-C4D-ND	2.97	114.82	109.99
17	d	203	BCR	C7-C8-C9	-2.97	121.84	126.23
17	S	1104	BCR	C15-C14-C13	-2.97	123.11	127.28
17	Y	849	BCR	C31-C1-C6	-2.97	105.58	110.24
14	Y	823	CLA	O2A-C1-C2	2.97	119.55	108.11
14	Y	840	CLA	O2A-C1-C2	2.97	119.55	108.11
14	H	826	CLA	O2A-CGA-CBA	2.97	120.89	111.83
14	Z	832	CLA	CMA-C3A-C4A	2.97	119.76	111.77
14	Y	827	CLA	CMB-C2B-C1B	2.97	129.94	125.42
14	Y	833	CLA	CMB-C2B-C1B	2.97	129.94	125.42
14	Z	823	CLA	C1-O2A-CGA	2.97	123.84	116.65
14	U	1002	CLA	CMB-C2B-C1B	2.97	129.94	125.42
14	G	806	CLA	CHD-C1D-ND	-2.97	120.62	124.80
14	Z	828	CLA	CAC-C3C-C4C	2.97	128.65	124.79
14	Z	812	CLA	C2B-C1B-NB	2.97	113.41	110.33
14	g	101	CLA	O2A-CGA-CBA	2.97	123.38	114.00
14	Z	818	CLA	O2A-C1-C2	2.97	119.53	108.11
14	G	835	CLA	CMD-C2D-C3D	-2.97	120.89	127.69
17	U	1008	BCR	C39-C30-C25	2.97	114.89	110.24
14	J	101	CLA	CED-O2D-CGD	2.97	122.64	115.92
14	Z	803	CLA	C3D-C4D-ND	2.97	114.81	109.99
14	L	205	CLA	CED-O2D-CGD	2.97	122.64	115.92
14	Z	837	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
14	Y	808	CLA	C3D-C4D-ND	2.96	114.81	109.99
14	J	102	CLA	C4-C3-C5	2.96	120.37	115.23
17	J	103	BCR	C24-C25-C26	2.96	128.38	121.56
14	Z	821	CLA	CHD-C1D-ND	-2.96	120.63	124.80
14	A	812	CLA	O2A-C1-C2	2.96	119.51	108.11
17	i	101	BCR	C33-C5-C4	2.96	119.91	113.60
14	Y	817	CLA	C1-O2A-CGA	2.96	123.82	116.65
14	A	807	CLA	CHB-C4A-NA	2.96	128.68	124.40
14	A	825	CLA	CMB-C2B-C3B	2.96	133.52	126.55
14	G	809	CLA	C4D-C3D-CAD	2.96	111.32	108.11
14	Z	828	CLA	C4D-C3D-CAD	2.96	111.32	108.11
14	Z	841	CLA	CHD-C1D-ND	-2.96	120.64	124.80
14	B	802	CLA	C1C-C2C-C3C	-2.96	103.87	106.98
14	A	802	CLA	O2A-C1-C2	2.96	119.49	108.11
13	G	801	CL0	CHD-C1D-ND	-2.96	120.64	124.80
14	H	832	CLA	CED-O2D-CGD	2.96	122.63	115.92
14	H	832	CLA	C1-C2-C3	-2.96	121.35	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	810	CLA	CHD-C1D-ND	-2.96	120.64	124.80
17	H	847	BCR	C39-C30-C25	-2.96	105.61	110.24
14	L	206	CLA	O1D-CGD-CBD	-2.95	118.69	124.52
14	Y	825	CLA	CMB-C2B-C1B	2.95	129.92	125.42
14	B	838	CLA	CMC-C2C-C1C	2.95	129.65	125.03
14	Z	827	CLA	O2A-CGA-CBA	2.95	120.84	111.83
17	I	101	BCR	C1-C6-C5	-2.95	118.60	122.64
14	Y	802	CLA	O1D-CGD-CBD	-2.95	118.69	124.52
14	H	820	CLA	C3C-C4C-NC	2.95	114.21	110.43
14	Y	825	CLA	CMD-C2D-C3D	-2.95	120.92	127.69
14	H	820	CLA	O2A-CGA-CBA	2.95	123.33	114.00
14	Y	832	CLA	CAC-C3C-C4C	2.95	128.63	124.79
14	G	811	CLA	C3D-C4D-ND	2.95	114.79	109.99
14	G	827	CLA	C3C-C4C-NC	2.95	114.21	110.43
14	A	834	CLA	CHD-C1D-ND	-2.95	120.65	124.80
14	A	837	CLA	CHD-C1D-ND	-2.95	120.65	124.80
14	T	103	CLA	C3D-C4D-ND	2.95	114.78	109.99
17	Y	844	BCR	C37-C22-C23	2.95	122.60	118.09
14	G	816	CLA	CMB-C2B-C1B	2.95	129.91	125.42
17	Y	853	BCR	C1-C6-C5	-2.95	118.60	122.64
14	B	836	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	B	836	CLA	C2B-C1B-NB	2.95	113.39	110.33
14	G	817	CLA	CHD-C1D-ND	-2.95	120.65	124.80
14	G	817	CLA	C2B-C1B-NB	2.95	113.38	110.33
13	G	801	CL0	CHB-C4A-NA	2.95	128.65	124.40
14	L	205	CLA	C3C-C4C-NC	2.95	114.21	110.43
14	H	834	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	A	803	CLA	CAC-C3C-C4C	2.95	128.62	124.79
14	Y	805	CLA	CMA-C3A-C4A	2.95	119.69	111.77
14	H	805	CLA	C1-O2A-CGA	2.95	123.78	116.65
14	Z	822	CLA	CHD-C1D-ND	-2.95	120.66	124.80
14	G	835	CLA	O2A-CGA-CBA	2.95	123.31	114.00
14	A	811	CLA	CHD-C1D-ND	-2.95	120.66	124.80
14	Z	803	CLA	C4D-C3D-CAD	2.95	111.31	108.11
14	Z	812	CLA	CMA-C3A-C4A	2.95	119.69	111.77
14	Z	827	CLA	C1-C2-C3	-2.94	121.37	126.20
14	H	808	CLA	CAC-C3C-C4C	2.94	128.62	124.79
14	Z	817	CLA	C1-O2A-CGA	2.94	123.78	116.65
17	Z	843	BCR	C38-C26-C27	2.94	119.87	113.60
14	Y	829	CLA	O2A-CGA-CBA	2.94	120.81	111.83
14	G	808	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	Y	810	CLA	C3C-C4C-NC	2.94	114.20	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	831	CLA	C2B-C1B-NB	2.94	113.38	110.33
14	S	1103	CLA	C4-C3-C5	2.94	120.34	115.23
14	A	826	CLA	CMB-C2B-C1B	2.94	129.90	125.42
14	H	816	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
14	Y	840	CLA	CHD-C1D-ND	-2.94	120.66	124.80
14	d	201	CLA	CHD-C1D-ND	-2.94	120.66	124.80
14	B	801	CLA	C1-C2-C3	-2.94	121.38	126.20
14	B	832	CLA	CMC-C2C-C1C	2.94	129.63	125.03
14	A	819	CLA	C3C-C4C-NC	2.94	114.20	110.43
14	H	839	CLA	OBD-CAD-C3D	-2.94	121.55	128.42
14	A	817	CLA	CMB-C2B-C1B	2.94	129.90	125.42
14	G	813	CLA	C1-C2-C3	-2.94	121.38	126.20
14	G	815	CLA	O1D-CGD-CBD	-2.94	118.72	124.52
14	H	823	CLA	CMA-C3A-C4A	2.94	119.67	111.77
19	B	848	LMG	C1-O6-C5	2.94	119.46	113.72
14	H	833	CLA	C3D-C4D-ND	2.94	114.76	109.99
14	Z	821	CLA	C3D-C4D-ND	2.94	114.76	109.99
14	Y	825	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
17	Y	852	BCR	C38-C26-C25	-2.94	121.28	124.48
14	H	813	CLA	C2B-C1B-NB	2.94	113.37	110.33
14	B	802	CLA	C1-O2A-CGA	2.94	123.76	116.65
14	Y	805	CLA	CHC-C1C-C2C	-2.94	118.61	126.95
14	A	815	CLA	CBA-CAA-C2A	2.94	122.53	113.79
17	I	102	BCR	C39-C30-C25	2.93	114.84	110.24
14	A	821	CLA	CHD-C1D-ND	-2.93	120.67	124.80
14	H	839	CLA	CHD-C1D-ND	-2.93	120.67	124.80
14	A	812	CLA	CHC-C1C-C2C	-2.93	118.61	126.95
14	G	802	CLA	CHB-C4A-NA	2.93	128.63	124.40
14	A	834	CLA	O2A-CGA-CBA	2.93	120.78	111.83
17	A	847	BCR	C36-C18-C19	-2.93	113.61	118.09
14	H	803	CLA	O2A-C1-C2	2.93	119.39	108.11
14	A	840	CLA	CMA-C3A-C4A	2.93	119.64	111.77
14	A	805	CLA	C3D-C4D-ND	2.93	114.75	109.99
14	A	828	CLA	C3D-C4D-ND	2.93	114.75	109.99
14	H	819	CLA	CAC-C3C-C4C	2.93	128.60	124.79
14	B	821	CLA	CED-O2D-CGD	2.93	122.56	115.92
14	B	829	CLA	C4D-C3D-CAD	2.93	111.28	108.11
17	H	843	BCR	C38-C26-C27	2.93	119.84	113.60
14	Y	820	CLA	CHD-C1D-ND	-2.93	120.68	124.80
17	Q	201	BCR	C15-C14-C13	-2.93	123.17	127.28
14	H	817	CLA	CMC-C2C-C1C	2.93	129.61	125.03
14	S	1103	CLA	CAC-C3C-C4C	2.93	128.60	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	825	CLA	OBD-CAD-C3D	-2.93	121.58	128.42
14	G	816	CLA	CMD-C2D-C3D	-2.93	120.98	127.69
14	U	1007	CLA	C3D-C4D-ND	2.92	114.74	109.99
14	B	810	CLA	OBD-CAD-C3D	-2.92	121.58	128.42
14	A	823	CLA	CAA-C2A-C3A	-2.92	105.10	113.00
14	K	102	CLA	CHD-C1D-ND	-2.92	120.69	124.80
14	Y	837	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	Y	817	CLA	C4A-NA-C1A	2.92	108.01	106.68
17	Y	849	BCR	C30-C25-C24	2.92	123.58	115.65
14	H	812	CLA	CMA-C3A-C4A	2.92	119.63	111.77
14	H	829	CLA	C3D-C4D-ND	2.92	114.74	109.99
17	H	850	BCR	C29-C30-C25	-2.92	106.19	110.44
17	A	850	BCR	C31-C1-C6	-2.92	105.66	110.24
14	A	819	CLA	C2B-C1B-NB	2.92	113.36	110.33
17	d	203	BCR	C38-C26-C25	-2.92	121.30	124.48
14	G	821	CLA	CMD-C2D-C3D	-2.92	120.99	127.69
14	Y	831	CLA	CHD-C1D-ND	-2.92	120.69	124.80
14	A	837	CLA	O2D-CGD-CBD	2.92	116.34	111.23
14	Z	827	CLA	CHC-C1C-C2C	-2.92	118.65	126.95
14	H	817	CLA	CMB-C2B-C3B	2.92	133.42	126.55
14	A	807	CLA	C3D-C4D-ND	2.92	114.73	109.99
14	H	835	CLA	C4D-C3D-CAD	2.92	111.28	108.11
14	Y	828	CLA	CMD-C2D-C3D	-2.92	121.00	127.69
14	G	808	CLA	CMA-C3A-C4A	2.92	119.62	111.77
14	Z	839	CLA	C3D-C4D-ND	2.92	114.73	109.99
14	H	838	CLA	CHD-C1D-ND	-2.92	120.70	124.80
14	B	831	CLA	CHD-C1D-ND	-2.92	120.70	124.80
14	G	816	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
14	H	827	CLA	C3D-C4D-ND	2.92	114.73	109.99
14	B	833	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
17	G	845	BCR	C34-C9-C10	-2.92	118.09	122.82
17	h	202	BCR	C34-C9-C8	2.92	122.54	118.09
14	Y	838	CLA	C1-O2A-CGA	2.92	123.71	116.65
14	h	205	CLA	CMA-C3A-C4A	2.92	119.61	111.77
17	Q	201	BCR	C27-C26-C25	-2.91	118.77	122.70
14	G	826	CLA	O1D-CGD-CBD	-2.91	118.77	124.52
17	A	848	BCR	C36-C18-C19	-2.91	113.64	118.09
14	Y	827	CLA	CMA-C3A-C4A	2.91	119.61	111.77
17	B	843	BCR	C31-C1-C6	-2.91	105.67	110.24
14	B	812	CLA	O2A-C1-C2	2.91	119.32	108.11
14	G	812	CLA	C4-C3-C5	2.91	120.28	115.23
14	B	834	CLA	CED-O2D-CGD	2.91	122.52	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	CAA-CBA-CGA	2.91	121.48	113.21
14	H	826	CLA	C3C-C4C-NC	2.91	114.16	110.43
14	Z	809	CLA	O2A-C1-C2	2.91	119.32	108.11
14	B	823	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	Y	835	CLA	C3D-C4D-ND	2.91	114.72	109.99
17	Z	846	BCR	C40-C30-C25	2.91	114.81	110.24
14	B	823	CLA	C3C-C4C-NC	2.91	114.16	110.43
14	Z	824	CLA	C1-O2A-CGA	2.91	123.70	116.65
14	H	819	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	A	811	CLA	CHC-C1C-C2C	-2.91	118.67	126.95
14	Y	835	CLA	C3C-C4C-NC	2.91	114.16	110.43
14	B	808	CLA	CAC-C3C-C4C	2.91	128.58	124.79
14	A	809	CLA	C3D-C4D-ND	2.91	114.72	109.99
14	G	835	CLA	C2B-C1B-NB	2.91	113.34	110.33
14	B	812	CLA	CHC-C1C-C2C	-2.91	118.68	126.95
14	Z	832	CLA	O1D-CGD-CBD	-2.91	118.78	124.52
14	X	1701	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
14	G	812	CLA	CHD-C1D-ND	-2.91	120.71	124.80
14	Y	838	CLA	C3D-C4D-ND	2.91	114.71	109.99
14	B	805	CLA	CAA-C2A-C3A	-2.91	105.14	113.00
14	Z	819	CLA	CHB-C4A-NA	2.91	128.60	124.40
14	Y	840	CLA	O2D-CGD-CBD	2.91	116.31	111.23
14	A	839	CLA	CED-O2D-CGD	2.91	122.51	115.92
14	B	833	CLA	CMC-C2C-C1C	2.91	129.57	125.03
14	Z	833	CLA	O2A-C1-C2	2.90	119.29	108.11
14	Y	816	CLA	C2B-C1B-NB	2.90	113.34	110.33
14	A	818	CLA	C4-C3-C5	2.90	120.27	115.23
14	Z	831	CLA	C4D-C3D-CAD	2.90	111.26	108.11
14	Z	808	CLA	C4D-C3D-CAD	2.90	111.26	108.11
14	J	101	CLA	CMC-C2C-C1C	2.90	129.57	125.03
15	G	843	PQN	C11-C3-C2	-2.90	119.91	124.89
14	B	828	CLA	CHC-C1C-C2C	-2.90	118.70	126.95
14	H	802	CLA	C4D-C3D-CAD	2.90	111.26	108.11
14	B	838	CLA	C4A-NA-C1A	2.90	108.00	106.68
14	B	807	CLA	CHD-C1D-ND	-2.90	120.72	124.80
14	G	810	CLA	CMA-C3A-C4A	2.90	119.57	111.77
14	Y	835	CLA	CHD-C1D-ND	-2.90	120.72	124.80
14	H	813	CLA	CMA-C3A-C4A	2.90	119.57	111.77
17	H	843	BCR	C3-C4-C5	-2.90	108.89	114.06
14	A	854	CLA	CMB-C2B-C1B	2.90	129.83	125.42
17	H	844	BCR	C33-C5-C4	2.90	119.78	113.60
14	G	809	CLA	CMD-C2D-C3D	-2.90	121.04	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	836	CLA	CHD-C4C-C3C	-2.90	120.55	124.77
14	A	832	CLA	C2B-C1B-NB	2.90	113.33	110.33
14	Y	829	CLA	C4D-C3D-CAD	2.90	111.25	108.11
17	h	202	BCR	C30-C25-C26	-2.90	118.68	122.64
14	Y	802	CLA	CAC-C3C-C4C	2.90	128.56	124.79
14	H	827	CLA	CMC-C2C-C1C	2.90	129.56	125.03
14	Z	825	CLA	C3C-C4C-NC	2.90	114.14	110.43
14	U	1006	CLA	C4D-C3D-CAD	2.90	111.25	108.11
14	Z	806	CLA	C3D-C4D-ND	2.90	114.69	109.99
14	H	840	CLA	C3D-C4D-ND	2.89	114.69	109.99
14	W	1701	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	Z	848	BCR	C36-C18-C17	-2.89	118.13	122.82
14	T	101	CLA	CMD-C2D-C3D	-2.89	121.05	127.69
14	H	840	CLA	CHD-C1D-ND	-2.89	120.73	124.80
14	Y	810	CLA	C2B-C1B-NB	2.89	113.33	110.33
13	Y	801	CL0	C1D-ND-C4D	-2.89	104.28	106.31
14	Y	807	CLA	CMD-C2D-C3D	-2.89	121.06	127.69
14	f	102	CLA	CHD-C1D-ND	-2.89	120.73	124.80
14	H	816	CLA	C4-C3-C5	2.89	120.25	115.23
14	A	832	CLA	C3D-C4D-ND	2.89	114.69	109.99
17	G	849	BCR	C15-C14-C13	-2.89	123.23	127.28
14	A	810	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
17	G	845	BCR	C3-C4-C5	-2.89	108.91	114.06
14	Y	828	CLA	CHB-C1B-C2B	-2.89	119.05	127.43
14	Z	807	CLA	CMB-C2B-C1B	2.89	129.81	125.42
14	B	811	CLA	CAC-C3C-C4C	2.89	128.54	124.79
14	A	802	CLA	C2B-C1B-NB	2.89	113.32	110.33
14	U	1007	CLA	C1-C2-C3	-2.89	121.47	126.20
14	B	831	CLA	OBD-CAD-C3D	-2.88	121.67	128.42
17	J	104	BCR	C7-C6-C5	-2.88	114.91	121.56
14	Y	813	CLA	CMD-C2D-C3D	-2.88	121.08	127.69
14	H	822	CLA	CMC-C2C-C1C	2.88	129.54	125.03
14	H	821	CLA	CMD-C2D-C3D	-2.88	121.08	127.69
14	G	811	CLA	C4D-C3D-CAD	2.88	111.24	108.11
14	U	1007	CLA	C1-O2A-CGA	2.88	123.63	116.65
14	G	841	CLA	C2B-C1B-NB	2.88	113.31	110.33
17	Z	847	BCR	C15-C14-C13	-2.88	123.24	127.28
14	Z	832	CLA	C3C-C4C-NC	2.88	114.12	110.43
14	A	813	CLA	O2A-C1-C2	2.88	119.19	108.11
14	G	810	CLA	O2A-CGA-CBA	2.88	123.10	114.00
14	H	828	CLA	O2A-CGA-CBA	2.88	120.61	111.83
14	A	826	CLA	C3D-C4D-ND	2.88	114.67	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	802	CLA	CED-O2D-CGD	2.88	122.44	115.92
14	f	102	CLA	OBD-CAD-C3D	-2.88	121.69	128.42
14	H	819	CLA	CHD-C1D-ND	-2.88	120.75	124.80
17	i	101	BCR	C30-C25-C26	-2.88	118.70	122.64
14	B	829	CLA	CAA-C2A-C3A	-2.88	105.22	113.00
14	B	819	CLA	OBD-CAD-C3D	-2.88	121.69	128.42
14	A	828	CLA	C2B-C1B-NB	2.88	113.31	110.33
14	G	842	CLA	C2B-C1B-NB	2.88	113.31	110.33
17	Y	845	BCR	C27-C26-C25	-2.88	118.82	122.70
14	Z	817	CLA	C2B-C1B-NB	2.88	113.31	110.33
14	Z	838	CLA	C2B-C1B-NB	2.88	113.31	110.33
14	Z	811	CLA	C1D-CHD-C4C	-2.88	119.91	126.02
14	A	833	CLA	CHD-C1D-ND	-2.88	120.76	124.80
17	L	208	BCR	C32-C1-C6	2.88	114.75	110.24
14	H	828	CLA	C3D-C4D-ND	2.87	114.66	109.99
14	G	832	CLA	CHB-C4A-NA	2.87	128.55	124.40
14	A	819	CLA	CMA-C3A-C4A	2.87	119.50	111.77
14	Y	839	CLA	CMD-C2D-C3D	-2.87	121.10	127.69
14	T	103	CLA	CHD-C1D-ND	-2.87	120.76	124.80
15	H	841	PQN	C2M-C2-C3	-2.87	119.73	124.45
14	A	822	CLA	C2B-C1B-NB	2.87	113.31	110.33
14	A	829	CLA	CGD-CBD-CAD	2.87	120.14	110.85
14	A	809	CLA	CMC-C2C-C1C	2.87	129.52	125.03
14	G	823	CLA	CMA-C3A-C4A	2.87	119.49	111.77
14	A	826	CLA	CMD-C2D-C3D	-2.87	121.10	127.69
14	A	812	CLA	C3D-C4D-ND	2.87	114.65	109.99
14	B	810	CLA	C3D-C4D-ND	2.87	114.65	109.99
14	H	838	CLA	C4D-C3D-CAD	2.87	111.22	108.11
14	G	810	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
14	G	806	CLA	CMC-C2C-C1C	2.87	129.52	125.03
17	Z	847	BCR	C33-C5-C4	2.87	119.71	113.60
14	Q	202	CLA	C3C-C4C-NC	2.87	114.11	110.43
14	A	839	CLA	C1-C2-C3	-2.87	121.50	126.20
14	Y	807	CLA	C4D-C3D-CAD	2.87	111.22	108.11
14	H	811	CLA	CED-O2D-CGD	2.87	122.42	115.92
14	H	818	CLA	C2B-C1B-NB	2.87	113.30	110.33
14	Z	832	CLA	C4D-C3D-CAD	2.87	111.22	108.11
14	H	806	CLA	O2A-C1-C2	2.87	119.14	108.11
14	G	836	CLA	C3D-C4D-ND	2.87	114.64	109.99
17	Y	846	BCR	C38-C26-C25	-2.86	121.36	124.48
17	A	849	BCR	C30-C25-C24	2.86	123.42	115.65
14	A	839	CLA	O2A-C1-C2	2.86	119.13	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	830	CLA	CHC-C1C-C2C	-2.86	118.81	126.95
14	G	803	CLA	CAC-C3C-C4C	2.86	128.52	124.79
14	Y	837	CLA	O2A-CGA-CBA	2.86	120.57	111.83
14	Y	836	CLA	C4D-C3D-CAD	2.86	111.22	108.11
14	Z	809	CLA	C3D-C4D-ND	2.86	114.64	109.99
14	Z	804	CLA	CHD-C1D-ND	-2.86	120.77	124.80
17	F	201	BCR	C39-C30-C25	-2.86	105.75	110.24
17	B	850	BCR	C2-C1-C6	2.86	114.60	110.44
14	B	813	CLA	CHB-C4A-NA	2.86	128.53	124.40
17	B	843	BCR	C3-C4-C5	-2.86	108.95	114.06
14	h	205	CLA	O2A-C1-C2	2.86	119.12	108.11
14	G	839	CLA	CMA-C3A-C4A	2.86	119.47	111.77
14	A	828	CLA	C3C-C4C-NC	2.86	114.10	110.43
14	Y	812	CLA	CMC-C2C-C1C	2.86	129.50	125.03
14	B	821	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
14	A	817	CLA	CED-O2D-CGD	2.86	122.41	115.92
14	B	820	CLA	C3D-C4D-ND	2.86	114.64	109.99
14	G	802	CLA	CHD-C1D-ND	-2.86	120.78	124.80
14	Y	838	CLA	CHC-C1C-C2C	-2.86	118.82	126.95
17	B	847	BCR	C2-C3-C4	-2.86	104.99	111.28
17	Q	201	BCR	C8-C9-C10	-2.86	114.51	119.01
14	H	834	CLA	CMA-C3A-C4A	2.86	119.46	111.77
14	G	825	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	Y	831	CLA	C2B-C1B-NB	2.86	113.29	110.33
14	H	802	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	B	827	CLA	C1-C2-C3	-2.86	121.52	126.20
17	B	846	BCR	C8-C9-C10	2.86	123.50	119.01
14	G	820	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	A	808	CLA	C2B-C1B-NB	2.86	113.29	110.33
14	U	1002	CLA	CHD-C1D-ND	-2.86	120.78	124.80
14	H	824	CLA	C1-O2A-CGA	2.86	123.56	116.65
14	A	808	CLA	CHC-C1C-C2C	-2.86	118.83	126.95
14	B	836	CLA	CHD-C4C-C3C	-2.86	120.61	124.77
17	Q	201	BCR	C24-C25-C26	2.86	128.13	121.56
14	Y	816	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
14	G	804	CLA	C3D-C4D-ND	2.86	114.63	109.99
14	H	838	CLA	CMC-C2C-C1C	2.85	129.50	125.03
14	B	824	CLA	CMD-C2D-C3D	-2.85	121.14	127.69
17	Y	847	BCR	C7-C8-C9	-2.85	122.01	126.23
14	G	839	CLA	CMC-C2C-C1C	2.85	129.49	125.03
18	G	851	LHG	O8-C23-C24	2.85	120.53	111.83
14	B	826	CLA	CHB-C4A-NA	2.85	128.51	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	205	CLA	O2A-C1-C2	2.85	119.08	108.11
14	A	836	CLA	C3C-C4C-NC	2.85	114.08	110.43
14	S	1103	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
14	A	843	CLA	CHD-C1D-ND	-2.85	120.79	124.80
14	A	804	CLA	CMC-C2C-C1C	2.85	129.49	125.03
17	A	849	BCR	C15-C14-C13	-2.85	123.28	127.28
14	B	803	CLA	C2B-C1B-NB	2.85	113.28	110.33
14	G	825	CLA	CMC-C2C-C1C	2.85	129.49	125.03
17	d	203	BCR	C34-C9-C8	2.85	122.44	118.09
17	A	851	BCR	C30-C25-C24	2.85	123.37	115.65
14	Z	839	CLA	CHD-C1D-ND	-2.85	120.80	124.80
14	S	1101	CLA	OBD-CAD-C3D	-2.85	121.76	128.42
17	Y	844	BCR	C15-C14-C13	-2.85	123.28	127.28
14	H	806	CLA	CMC-C2C-C1C	2.85	129.48	125.03
14	H	824	CLA	CAC-C3C-C4C	2.85	128.49	124.79
17	h	202	BCR	C23-C22-C21	2.85	123.49	119.01
14	f	101	CLA	CHD-C1D-ND	-2.85	120.80	124.80
14	G	821	CLA	CMC-C2C-C1C	2.85	129.48	125.03
14	B	830	CLA	O1D-CGD-CBD	-2.85	118.90	124.52
14	H	816	CLA	O2A-C1-C2	2.85	119.06	108.11
14	Z	827	CLA	CED-O2D-CGD	2.85	122.37	115.92
17	M	101	BCR	C34-C9-C10	-2.85	118.21	122.82
14	B	823	CLA	CMB-C2B-C3B	2.85	133.24	126.55
14	Z	827	CLA	CHB-C4A-NA	2.84	128.50	124.40
17	L	207	BCR	C36-C18-C19	-2.84	113.74	118.09
14	Z	802	CLA	CHB-C1B-C2B	-2.84	119.17	127.43
14	Z	806	CLA	CBC-CAC-C3C	-2.84	104.71	112.42
14	G	811	CLA	C2B-C1B-NB	2.84	113.28	110.33
14	Y	836	CLA	C4-C3-C5	2.84	120.16	115.23
14	Y	809	CLA	O2A-C1-C2	2.84	119.05	108.11
14	Z	806	CLA	C4D-C3D-CAD	2.84	111.19	108.11
14	G	810	CLA	C3D-C4D-ND	2.84	114.61	109.99
14	B	831	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
14	H	834	CLA	O2A-CGA-CBA	2.84	122.98	114.00
14	Y	834	CLA	CHD-C1D-ND	-2.84	120.80	124.80
14	Z	805	CLA	CBC-CAC-C3C	-2.84	104.72	112.42
14	G	818	CLA	CHC-C1C-C2C	-2.84	118.87	126.95
14	A	832	CLA	CMA-C3A-C4A	2.84	119.41	111.77
17	G	849	BCR	C30-C25-C24	2.84	123.36	115.65
14	G	813	CLA	C3D-C4D-ND	2.84	114.60	109.99
14	H	807	CLA	CHD-C4C-C3C	-2.84	120.63	124.77
14	Y	833	CLA	O2A-C1-C2	2.84	119.04	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	805	CLA	CHD-C1D-ND	-2.84	120.81	124.80
14	A	837	CLA	C4-C3-C5	2.84	120.16	115.23
14	Y	802	CLA	CBC-CAC-C3C	-2.84	104.72	112.42
14	g	102	CLA	C3C-C4C-NC	2.84	114.07	110.43
17	e	101	BCR	C3-C4-C5	-2.84	109.00	114.06
14	Z	826	CLA	CHC-C1C-C2C	-2.84	118.89	126.95
14	A	825	CLA	CMD-C2D-C3D	-2.84	121.18	127.69
14	G	814	CLA	CAA-CBA-CGA	-2.84	105.15	113.21
14	G	836	CLA	C2B-C1B-NB	2.84	113.27	110.33
14	Y	824	CLA	C4D-C3D-CAD	2.83	111.19	108.11
14	A	826	CLA	CMC-C2C-C1C	2.83	129.46	125.03
14	G	813	CLA	C4D-C3D-CAD	2.83	111.18	108.11
14	B	812	CLA	C4-C3-C5	2.83	120.15	115.23
14	Y	819	CLA	CMA-C3A-C4A	2.83	119.39	111.77
14	B	819	CLA	O1D-CGD-CBD	-2.83	118.93	124.52
14	B	822	CLA	CED-O2D-CGD	2.83	122.34	115.92
14	G	813	CLA	CED-O2D-CGD	2.83	122.34	115.92
14	G	818	CLA	C1-O2A-CGA	2.83	123.51	116.65
14	h	204	CLA	O2D-CGD-CBD	2.83	116.18	111.23
14	B	822	CLA	CHD-C1D-ND	-2.83	120.82	124.80
14	G	812	CLA	C3D-C4D-ND	2.83	114.58	109.99
14	Z	814	CLA	O2A-C1-C2	2.83	118.99	108.11
14	H	812	CLA	C3D-C4D-ND	2.83	114.58	109.99
17	B	843	BCR	C30-C25-C26	-2.83	118.77	122.64
14	B	835	CLA	C4D-C3D-CAD	2.83	111.17	108.11
17	Y	846	BCR	C30-C25-C26	-2.83	118.78	122.64
14	Y	803	CLA	CMC-C2C-C1C	2.82	129.45	125.03
14	L	201	CLA	CHD-C1D-ND	-2.82	120.83	124.80
14	A	824	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
17	B	847	BCR	C30-C25-C26	-2.82	118.78	122.64
14	A	809	CLA	C6-C5-C3	-2.82	106.59	113.47
14	Z	832	CLA	C3D-C4D-ND	2.82	114.57	109.99
14	G	818	CLA	C1-C2-C3	-2.82	121.57	126.20
14	Z	822	CLA	CED-O2D-CGD	2.82	122.32	115.92
14	A	834	CLA	CMB-C2B-C1B	2.82	129.72	125.42
14	J	101	CLA	CMA-C3A-C4A	2.82	119.36	111.77
14	G	833	CLA	CHD-C1D-ND	-2.82	120.83	124.80
14	B	816	CLA	O2A-C1-C2	2.82	118.96	108.11
14	B	815	CLA	CED-O2D-CGD	2.82	122.31	115.92
14	Y	824	CLA	C3D-C4D-ND	2.82	114.57	109.99
14	B	819	CLA	CAC-C3C-C4C	2.82	128.46	124.79
17	U	1008	BCR	C29-C30-C25	-2.82	106.34	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	836	CLA	CHC-C1C-C2C	-2.82	118.94	126.95
14	G	835	CLA	C3D-C4D-ND	2.82	114.57	109.99
14	Z	811	CLA	O1D-CGD-CBD	-2.82	118.96	124.52
14	H	825	CLA	CMC-C2C-C1C	2.82	129.44	125.03
17	J	103	BCR	C3-C4-C5	-2.82	109.03	114.06
14	B	806	CLA	CHD-C1D-ND	-2.82	120.84	124.80
14	H	817	CLA	CMA-C3A-C4A	2.82	119.34	111.77
14	A	804	CLA	CMB-C2B-C3B	2.82	133.18	126.55
14	Z	818	CLA	CHC-C1C-C2C	-2.82	118.94	126.95
14	B	818	CLA	CHD-C1D-ND	-2.82	120.84	124.80
14	A	810	CLA	O2A-CGA-CBA	2.82	120.42	111.83
14	H	813	CLA	CHD-C1D-ND	-2.82	120.84	124.80
17	U	1005	BCR	C27-C26-C25	-2.82	118.90	122.70
14	f	101	CLA	O2A-CGA-CBA	2.81	122.89	114.00
14	Y	827	CLA	O2A-C1-C2	2.81	118.94	108.11
14	B	826	CLA	CMB-C2B-C1B	2.81	129.70	125.42
17	H	843	BCR	C7-C8-C9	-2.81	122.07	126.23
14	G	853	CLA	CMD-C2D-C3D	-2.81	121.24	127.69
14	G	834	CLA	CHD-C1D-ND	-2.81	120.84	124.80
17	B	850	BCR	C27-C26-C25	-2.81	118.90	122.70
14	B	832	CLA	CBA-CAA-C2A	2.81	122.16	113.79
14	G	832	CLA	C2B-C1B-NB	2.81	113.24	110.33
17	d	203	BCR	C8-C7-C6	-2.81	119.49	127.00
14	G	824	CLA	C4D-C3D-CAD	2.81	111.16	108.11
14	G	839	CLA	C4A-NA-C1A	2.81	107.96	106.68
14	A	818	CLA	CHD-C1D-ND	-2.81	120.85	124.80
17	V	101	BCR	C34-C9-C10	-2.81	118.27	122.82
14	f	102	CLA	O1D-CGD-CBD	-2.81	118.98	124.52
14	H	836	CLA	C3D-C4D-ND	2.81	114.55	109.99
14	Y	813	CLA	C3D-C4D-ND	2.81	114.55	109.99
14	Y	802	CLA	CMB-C2B-C1B	2.81	129.69	125.42
14	K	102	CLA	CMC-C2C-C1C	2.81	129.42	125.03
14	H	829	CLA	O2A-C1-C2	2.81	118.91	108.11
14	A	815	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
13	Y	801	CL0	CMB-C2B-C1B	2.81	129.69	125.42
14	Y	841	CLA	CHC-C1C-C2C	-2.81	118.97	126.95
14	L	201	CLA	C3C-C4C-NC	2.81	114.03	110.43
14	L	202	CLA	CAA-C2A-C3A	-2.81	105.42	113.00
14	B	819	CLA	C3D-C4D-ND	2.81	114.55	109.99
17	B	850	BCR	C7-C8-C9	-2.81	122.08	126.23
14	Z	835	CLA	CAC-C3C-C4C	2.81	128.44	124.79
14	H	807	CLA	CED-O2D-CGD	2.80	122.28	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	U	1007	CLA	C4D-C3D-CAD	2.80	111.15	108.11
14	Z	828	CLA	C3D-C4D-ND	2.80	114.55	109.99
14	Y	835	CLA	CHD-C4C-C3C	-2.80	120.69	124.77
14	A	832	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
17	F	201	BCR	C34-C9-C10	-2.80	118.27	122.82
17	S	1104	BCR	C28-C27-C26	-2.80	109.06	114.06
14	B	808	CLA	CMA-C3A-C4A	2.80	119.31	111.77
14	Z	810	CLA	CHC-C1C-C2C	-2.80	118.98	126.95
14	B	833	CLA	CAC-C3C-C4C	2.80	128.44	124.79
14	A	834	CLA	CHB-C4A-NA	2.80	128.44	124.40
14	G	832	CLA	C1-O2A-CGA	2.80	123.43	116.65
14	Y	827	CLA	C4D-C3D-CAD	2.80	111.15	108.11
14	H	816	CLA	CAC-C3C-C4C	2.80	128.44	124.79
14	U	1004	CLA	O2A-C1-C2	2.80	118.89	108.11
14	H	830	CLA	CAA-C2A-C3A	-2.80	105.43	113.00
14	Y	811	CLA	O2A-C1-C2	2.80	118.89	108.11
14	H	839	CLA	CAC-C3C-C4C	2.80	128.43	124.79
14	Y	809	CLA	CMC-C2C-C1C	2.80	129.41	125.03
14	Y	813	CLA	CAC-C3C-C4C	2.80	128.43	124.79
14	d	201	CLA	CED-O2D-CGD	2.80	122.26	115.92
14	Y	820	CLA	C3D-C4D-ND	2.80	114.54	109.99
18	G	850	LHG	C5-O7-C7	-2.80	111.10	117.80
14	J	102	CLA	CAC-C3C-C4C	2.80	128.43	124.79
14	H	835	CLA	C3D-C4D-ND	2.80	114.53	109.99
14	A	817	CLA	CMD-C2D-C3D	-2.80	121.27	127.69
14	G	830	CLA	OBD-CAD-C3D	-2.80	121.88	128.42
14	A	838	CLA	C1-C2-C3	-2.80	122.24	126.76
14	H	806	CLA	CHD-C1D-ND	-2.80	120.87	124.80
14	H	838	CLA	C2B-C1B-NB	2.80	113.23	110.33
14	Y	802	CLA	CED-O2D-CGD	2.80	122.26	115.92
14	f	101	CLA	CMB-C2B-C1B	2.80	129.68	125.42
14	A	820	CLA	C1-O2A-CGA	2.80	123.42	116.65
14	B	807	CLA	CHC-C1C-C2C	-2.80	119.00	126.95
18	A	853	LHG	O8-C23-C24	2.79	120.36	111.83
14	G	853	CLA	C4D-C3D-CAD	2.79	111.14	108.11
14	H	810	CLA	CHD-C1D-C2D	-2.79	119.67	125.49
14	B	840	CLA	O2A-CGA-O1A	-2.79	116.64	123.63
14	L	204	CLA	CMD-C2D-C3D	-2.79	121.28	127.69
14	H	826	CLA	OBD-CAD-C3D	-2.79	121.89	128.42
14	h	201	CLA	CHD-C1D-ND	-2.79	120.87	124.80
17	Z	850	BCR	C39-C30-C25	-2.79	105.87	110.24
14	L	206	CLA	O2A-C1-C2	2.79	118.85	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	832	CLA	CHD-C4C-C3C	-2.79	120.70	124.77
14	A	838	CLA	C2B-C1B-NB	2.79	113.22	110.33
14	B	814	CLA	C2B-C1B-NB	2.79	113.22	110.33
17	H	847	BCR	C23-C24-C25	-2.79	119.54	127.00
14	G	834	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
14	Y	830	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
14	Z	817	CLA	CHD-C1D-ND	-2.79	120.88	124.80
14	Y	815	CLA	C4D-C3D-CAD	2.79	111.14	108.11
14	G	803	CLA	CMC-C2C-C1C	2.79	129.39	125.03
14	H	828	CLA	C1-C2-C3	-2.79	121.63	126.20
14	B	840	CLA	CAC-C3C-C2C	2.79	132.68	127.56
17	H	842	BCR	C27-C26-C25	-2.79	118.94	122.70
17	H	843	BCR	C2-C1-C6	-2.79	106.39	110.44
14	A	815	CLA	C1-O2A-CGA	2.79	123.40	116.65
14	T	103	CLA	CMC-C2C-C1C	2.79	129.39	125.03
14	Z	825	CLA	C2B-C1B-NB	2.79	113.22	110.33
14	A	829	CLA	C3C-C4C-NC	2.79	114.00	110.43
14	L	202	CLA	CMA-C3A-C4A	2.79	119.26	111.77
14	Z	824	CLA	CHD-C1D-ND	-2.79	120.88	124.80
17	I	102	BCR	C36-C18-C19	-2.79	113.83	118.09
14	Z	807	CLA	C2B-C1B-NB	2.79	113.22	110.33
17	L	208	BCR	C1-C6-C5	-2.79	118.83	122.64
14	Y	832	CLA	CHC-C1C-C2C	-2.79	119.03	126.95
14	Y	823	CLA	C4D-C3D-CAD	2.79	111.13	108.11
19	Z	849	LMG	O8-C28-C29	2.79	120.33	111.83
17	G	847	BCR	C8-C7-C6	-2.79	119.56	127.00
14	A	838	CLA	O1D-CGD-CBD	-2.78	119.03	124.52
17	G	848	BCR	C40-C30-C25	2.78	114.61	110.24
14	A	810	CLA	C1-C2-C3	-2.78	121.64	126.20
14	L	201	CLA	CMB-C2B-C3B	2.78	133.10	126.55
14	S	1103	CLA	CMA-C3A-C4A	2.78	119.25	111.77
14	H	828	CLA	C4-C3-C5	2.78	120.06	115.23
14	H	839	CLA	C4-C3-C5	2.78	120.06	115.23
14	G	838	CLA	O2A-C1-C2	2.78	118.81	108.11
14	B	828	CLA	CMB-C2B-C3B	2.78	133.09	126.55
14	Z	823	CLA	CAC-C3C-C4C	2.78	128.41	124.79
14	j	102	CLA	CHC-C1C-C2C	-2.78	119.04	126.95
14	G	835	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	B	821	CLA	CHD-C1D-ND	-2.78	120.89	124.80
14	A	826	CLA	CHC-C1C-C2C	-2.78	119.05	126.95
14	U	1007	CLA	O1D-CGD-CBD	-2.78	119.04	124.52
14	T	101	CLA	CMB-C2B-C1B	2.78	129.65	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	817	CLA	CMC-C2C-C1C	2.78	129.38	125.03
14	Q	202	CLA	O2A-CGA-CBA	2.78	122.78	114.00
14	Z	804	CLA	CBC-CAC-C3C	-2.78	104.89	112.42
14	Y	825	CLA	C2B-C1B-NB	2.78	113.21	110.33
14	A	803	CLA	CBB-CAB-C3B	-2.78	113.64	127.53
14	B	834	CLA	O2A-CGA-CBA	2.78	122.78	114.00
14	G	818	CLA	CAC-C3C-C4C	2.78	128.41	124.79
14	Z	811	CLA	CAA-C2A-C1A	2.78	121.08	111.97
14	Y	830	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	H	814	CLA	CHC-C1C-C2C	-2.78	119.05	126.95
18	Y	851	LHG	O8-C23-C24	2.78	120.30	111.83
14	B	804	CLA	CMD-C2D-C3D	-2.78	121.32	127.69
14	X	1701	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	Y	812	CLA	C3D-C4D-ND	2.78	114.50	109.99
14	B	840	CLA	CHB-C4A-NA	2.78	128.41	124.40
14	J	102	CLA	CHD-C1D-ND	-2.78	120.90	124.80
14	H	803	CLA	CMD-C2D-C3D	-2.78	121.33	127.69
14	A	831	CLA	CHC-C1C-C2C	-2.77	119.06	126.95
14	B	820	CLA	CHD-C1D-ND	-2.77	120.90	124.80
17	Z	847	BCR	C38-C26-C25	-2.77	121.46	124.48
14	B	801	CLA	CHD-C1D-ND	-2.77	120.90	124.80
14	G	809	CLA	C3B-C4B-NB	-2.77	108.05	110.53
17	Z	845	BCR	C7-C8-C9	-2.77	122.13	126.23
14	Y	823	CLA	CMD-C2D-C3D	-2.77	121.33	127.69
17	G	845	BCR	C32-C1-C6	2.77	114.59	110.24
14	Z	811	CLA	OBD-CAD-C3D	-2.77	121.94	128.42
14	G	840	CLA	C5-C3-C2	-2.77	114.94	121.17
17	S	1105	BCR	C1-C6-C7	2.77	123.17	115.65
17	h	202	BCR	C23-C24-C25	-2.77	119.59	127.00
14	B	837	CLA	C3C-C4C-NC	2.77	113.98	110.43
14	Y	830	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	Y	839	CLA	C2B-C1B-NB	2.77	113.20	110.33
14	W	1701	CLA	C3D-C4D-ND	2.77	114.49	109.99
14	Z	822	CLA	C3D-C4D-ND	2.77	114.49	109.99
19	H	848	LMG	O2-C2-C1	-2.77	103.47	110.08
14	h	204	CLA	C2B-C1B-NB	2.77	113.20	110.33
14	G	805	CLA	CED-O2D-CGD	2.77	122.20	115.92
14	A	816	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	Z	809	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	G	817	CLA	CMD-C2D-C3D	-2.77	121.34	127.69
14	Z	815	CLA	CMD-C2D-C3D	-2.77	121.34	127.69
14	B	825	CLA	CHD-C4C-C3C	-2.77	120.74	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	829	CLA	CMC-C2C-C1C	2.77	129.36	125.03
14	U	1006	CLA	O1D-CGD-CBD	-2.77	119.06	124.52
14	H	826	CLA	C3D-C4D-ND	2.77	114.49	109.99
14	H	829	CLA	C6-C5-C3	-2.77	106.73	113.47
14	Y	810	CLA	CMA-C3A-C4A	2.77	119.21	111.77
14	G	828	CLA	C3D-C4D-ND	2.77	114.48	109.99
14	A	802	CLA	C4D-C3D-CAD	2.77	111.11	108.11
14	B	826	CLA	CMD-C2D-C3D	-2.77	121.35	127.69
14	B	807	CLA	CMD-C2D-C3D	-2.77	121.35	127.69
17	Z	848	BCR	C38-C26-C25	2.76	127.50	124.48
14	Z	817	CLA	O2A-C1-C2	2.76	118.75	108.11
14	Z	841	CLA	CMA-C3A-C4A	2.76	119.20	111.77
14	G	831	CLA	C3C-C4C-NC	2.76	113.97	110.43
14	G	832	CLA	C3D-C4D-ND	2.76	114.48	109.99
14	Q	202	CLA	OBD-CAD-C3D	-2.76	121.96	128.42
14	B	808	CLA	C5-C3-C2	-2.76	114.96	121.17
17	A	847	BCR	C31-C1-C6	-2.76	105.91	110.24
17	Y	845	BCR	C31-C1-C6	-2.76	105.91	110.24
14	H	809	CLA	CBC-CAC-C3C	-2.76	104.93	112.42
14	h	206	CLA	CHB-C4A-NA	2.76	128.38	124.40
14	G	805	CLA	C1-C2-C3	-2.76	121.67	126.20
14	g	101	CLA	CMA-C3A-C4A	2.76	119.19	111.77
14	Z	829	CLA	C3C-C4C-NC	2.76	113.97	110.43
14	B	811	CLA	CMD-C2D-C3D	-2.76	121.36	127.69
14	Z	814	CLA	C1D-CHD-C4C	-2.76	120.15	126.02
14	A	827	CLA	C1-O2A-CGA	2.76	123.33	116.65
14	H	802	CLA	CHD-C1D-ND	-2.76	120.92	124.80
14	Z	836	CLA	O1D-CGD-CBD	-2.76	119.08	124.52
14	G	802	CLA	CHC-C1C-C2C	-2.76	119.11	126.95
17	A	849	BCR	C8-C7-C6	-2.76	119.63	127.00
17	U	1009	BCR	C2-C1-C6	-2.76	106.43	110.44
14	G	806	CLA	C4D-C3D-CAD	2.76	111.10	108.11
14	H	808	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
14	A	808	CLA	C1-C2-C3	-2.76	121.68	126.20
14	G	819	CLA	CHC-C1C-C2C	-2.76	119.11	126.95
14	H	822	CLA	C2B-C1B-NB	2.76	113.19	110.33
14	H	835	CLA	CMD-C2D-C3D	-2.76	121.37	127.69
14	B	824	CLA	C4-C3-C5	2.76	120.01	115.23
14	A	836	CLA	C1-O2A-CGA	2.76	123.32	116.65
14	H	802	CLA	CBC-CAC-C3C	-2.75	104.95	112.42
14	Z	838	CLA	CBC-CAC-C3C	-2.75	104.95	112.42
14	Z	818	CLA	C4-C3-C2	-2.75	116.55	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	837	CLA	C1-C2-C3	-2.75	121.69	126.20
17	F	201	BCR	C8-C7-C6	-2.75	119.64	127.00
14	Y	833	CLA	CMC-C2C-C1C	2.75	129.34	125.03
17	A	849	BCR	C37-C22-C21	-2.75	118.36	122.82
14	A	834	CLA	C1-O2A-CGA	2.75	123.31	116.65
14	Y	806	CLA	CHB-C4A-NA	2.75	128.37	124.40
14	Z	814	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	Z	830	CLA	O2A-C1-C2	2.75	118.70	108.11
14	G	841	CLA	C3D-C4D-ND	2.75	114.46	109.99
14	Z	835	CLA	CMB-C2B-C1B	2.75	129.61	125.42
14	H	811	CLA	O2A-CGA-CBA	2.75	120.22	111.83
14	Z	833	CLA	CMA-C3A-C4A	2.75	119.17	111.77
14	Z	836	CLA	C3C-C4C-NC	2.75	113.95	110.43
14	U	1002	CLA	CAC-C3C-C4C	2.75	128.37	124.79
14	H	808	CLA	C4D-C3D-CAD	2.75	111.09	108.11
14	Y	834	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
14	A	813	CLA	C3D-C4D-ND	2.75	114.45	109.99
14	A	820	CLA	CMA-C3A-C4A	2.75	119.16	111.77
14	B	809	CLA	C1-O2A-CGA	2.75	123.30	116.65
14	Z	833	CLA	CAA-CBA-CGA	-2.75	105.41	113.21
14	A	830	CLA	CHD-C1D-ND	-2.75	120.94	124.80
14	A	814	CLA	CHC-C1C-C2C	-2.75	119.14	126.95
14	B	810	CLA	C2B-C1B-NB	2.75	113.17	110.33
14	Y	819	CLA	CMD-C2D-C3D	-2.75	121.39	127.69
14	Y	828	CLA	O2A-C1-C2	2.75	118.68	108.11
14	A	820	CLA	C2B-C1B-NB	2.75	113.17	110.33
14	Y	834	CLA	CMC-C2C-C1C	2.75	129.32	125.03
14	B	810	CLA	CHD-C1D-ND	-2.75	120.94	124.80
14	H	809	CLA	O2D-CGD-O1D	-2.74	118.50	123.85
14	Z	822	CLA	O2D-CGD-O1D	-2.74	118.50	123.85
14	B	814	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
14	Y	839	CLA	CMA-C3A-C4A	2.74	119.15	111.77
14	Y	828	CLA	C4A-NA-C1A	2.74	107.93	106.68
14	Z	803	CLA	C1-C2-C3	-2.74	121.70	126.20
14	H	805	CLA	CMA-C3A-C4A	2.74	119.15	111.77
14	A	803	CLA	CMB-C2B-C1B	2.74	129.60	125.42
13	G	801	CL0	C4-C3-C2	-2.74	116.58	123.63
14	A	814	CLA	O1D-CGD-CBD	-2.74	119.11	124.52
17	H	843	BCR	C23-C24-C25	-2.74	119.68	127.00
14	G	828	CLA	CMD-C2D-C3D	-2.74	121.40	127.69
14	U	1003	CLA	CHD-C1D-ND	-2.74	120.95	124.80
14	Z	816	CLA	CHB-C4A-NA	2.74	128.35	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	837	CLA	O2A-C1-C2	2.74	118.65	108.11
14	G	807	CLA	CMD-C2D-C3D	-2.74	121.41	127.69
14	A	829	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	G	805	CLA	CHD-C4C-C3C	-2.74	120.78	124.77
14	H	824	CLA	C3D-C4D-ND	2.74	114.44	109.99
14	H	824	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
14	A	842	CLA	C3B-C2B-C1B	-2.74	103.94	107.17
14	Y	824	CLA	O1D-CGD-CBD	-2.74	119.12	124.52
14	Y	810	CLA	O2A-CGA-CBA	2.74	122.65	114.00
17	Y	848	BCR	C36-C18-C19	-2.74	113.91	118.09
17	H	846	BCR	C23-C22-C21	2.74	123.31	119.01
14	H	827	CLA	C4-C3-C5	2.74	119.98	115.23
14	Z	818	CLA	C3D-C4D-ND	2.74	114.43	109.99
14	A	832	CLA	O2A-C1-C2	2.74	118.64	108.11
14	Z	810	CLA	CED-O2D-CGD	2.74	122.12	115.92
14	H	811	CLA	O2A-C1-C2	2.74	118.63	108.11
14	f	102	CLA	C3D-C4D-ND	2.73	114.43	109.99
14	B	840	CLA	C4D-C3D-CAD	2.73	111.08	108.11
17	H	850	BCR	C7-C8-C9	-2.73	122.19	126.23
14	G	812	CLA	O2A-C1-C2	2.73	118.63	108.11
14	H	818	CLA	O2A-C1-C2	2.73	118.63	108.11
14	A	842	CLA	CMD-C2D-C3D	-2.73	121.42	127.69
14	Z	802	CLA	CHB-C4A-NA	2.73	128.34	124.40
14	Z	815	CLA	C1-O2A-CGA	2.73	123.27	116.65
14	B	801	CLA	CMD-C2D-C3D	-2.73	121.42	127.69
14	J	102	CLA	C3D-C4D-ND	2.73	114.43	109.99
14	B	802	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
14	H	801	CLA	C3D-C4D-ND	2.73	114.43	109.99
14	G	812	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	H	820	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	U	1006	CLA	CMA-C3A-C4A	2.73	119.11	111.77
17	Y	847	BCR	C38-C26-C27	2.73	119.42	113.60
14	Y	812	CLA	C2B-C1B-NB	2.73	113.16	110.33
14	A	810	CLA	CHD-C1D-ND	-2.73	120.96	124.80
14	A	842	CLA	OBD-CAD-C3D	-2.73	122.04	128.42
14	Y	815	CLA	CMD-C2D-C3D	-2.73	121.43	127.69
17	T	102	BCR	C30-C25-C24	2.73	123.05	115.65
14	B	822	CLA	CAC-C3C-C4C	2.73	128.34	124.79
14	H	831	CLA	C2B-C1B-NB	2.73	113.15	110.33
14	U	1004	CLA	CMB-C2B-C3B	2.73	132.96	126.55
14	Z	805	CLA	CHC-C1C-C2C	-2.73	119.20	126.95
17	L	207	BCR	C28-C27-C26	-2.73	109.19	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	816	CLA	CMC-C2C-C1C	2.73	129.29	125.03
17	G	849	BCR	C37-C22-C21	-2.73	118.40	122.82
14	Z	834	CLA	CMD-C2D-C3D	-2.73	121.44	127.69
14	Z	805	CLA	C3D-C4D-ND	2.72	114.42	109.99
14	Y	837	CLA	CMD-C2D-C3D	-2.72	121.44	127.69
14	Z	825	CLA	C3D-C4D-ND	2.72	114.41	109.99
14	Y	820	CLA	O2A-C1-C2	2.72	118.59	108.11
14	A	815	CLA	O2A-C1-C2	2.72	118.59	108.11
17	H	847	BCR	C33-C5-C6	-2.72	121.51	124.48
14	H	834	CLA	CHC-C1C-C2C	-2.72	119.21	126.95
14	Y	831	CLA	C1-O2A-CGA	2.72	123.24	116.65
14	H	839	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	A	807	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	G	827	CLA	OBD-CAD-C3D	-2.72	122.06	128.42
14	A	836	CLA	C3D-C4D-ND	2.72	114.41	109.99
14	Z	832	CLA	CED-O2D-CGD	2.72	122.08	115.92
14	Y	837	CLA	C3C-C4C-NC	2.72	113.91	110.43
17	Z	845	BCR	C23-C24-C25	-2.72	119.73	127.00
14	B	805	CLA	CHB-C4A-NA	2.72	128.32	124.40
14	G	825	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	B	826	CLA	O2D-CGD-CBD	2.72	115.98	111.23
17	e	101	BCR	C40-C30-C25	-2.72	105.98	110.24
14	G	837	CLA	O2A-C1-C2	2.72	118.56	108.11
14	H	838	CLA	CMB-C2B-C1B	2.72	129.56	125.42
14	B	803	CLA	C3D-C4D-ND	2.72	114.40	109.99
14	K	102	CLA	O2A-CGA-CBA	2.72	122.58	114.00
17	G	846	BCR	C36-C18-C19	-2.72	113.94	118.09
14	B	830	CLA	O2A-CGA-CBA	2.72	122.58	114.00
14	Z	802	CLA	CHD-C1D-ND	-2.72	120.98	124.80
14	B	830	CLA	C3C-C4C-NC	2.71	113.91	110.43
14	Z	818	CLA	O2D-CGD-O1D	-2.71	118.56	123.85
14	G	816	CLA	CED-O2D-CGD	2.71	122.07	115.92
14	Y	840	CLA	CMB-C2B-C1B	2.71	129.55	125.42
13	Y	801	CL0	CHC-C1C-C2C	-2.71	119.24	126.95
14	Z	806	CLA	CHC-C1C-C2C	-2.71	119.24	126.95
14	G	833	CLA	C3D-C4D-ND	2.71	114.39	109.99
14	g	102	CLA	CMB-C2B-C3B	2.71	132.93	126.55
14	T	103	CLA	C2B-C1B-NB	2.71	113.14	110.33
14	A	834	CLA	C1-C2-C3	-2.71	121.75	126.20
14	S	1103	CLA	C1-O2A-CGA	2.71	123.21	116.65
14	A	835	CLA	OBD-CAD-C3D	-2.71	122.08	128.42
14	H	832	CLA	CMA-C3A-C4A	2.71	119.06	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	822	CLA	O1D-CGD-CBD	-2.71	119.17	124.52
14	Z	813	CLA	CHC-C1C-C2C	-2.71	119.25	126.95
14	H	823	CLA	C2B-C1B-NB	2.71	113.14	110.33
14	F	202	CLA	CHD-C4C-C3C	-2.71	120.82	124.77
14	g	101	CLA	CAD-CBD-CHA	-2.71	102.19	105.12
14	H	824	CLA	CMB-C2B-C3B	2.71	132.92	126.55
17	Y	853	BCR	C39-C30-C25	-2.71	106.00	110.24
14	A	811	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
14	Y	808	CLA	CHD-C1D-ND	-2.71	120.99	124.80
14	Z	829	CLA	CHD-C1D-ND	-2.71	120.99	124.80
17	F	201	BCR	C2-C1-C6	2.71	114.37	110.44
17	G	845	BCR	C33-C5-C6	-2.71	121.53	124.48
14	Y	803	CLA	C3C-C4C-NC	2.71	113.90	110.43
14	Z	808	CLA	O1D-CGD-CBD	-2.71	119.18	124.52
14	B	810	CLA	C4D-C3D-CAD	2.71	111.05	108.11
17	G	847	BCR	C28-C27-C26	-2.71	109.23	114.06
14	A	831	CLA	C16-C15-C13	-2.71	106.97	115.97
14	h	206	CLA	O2A-C1-C2	2.71	118.52	108.11
14	Z	804	CLA	CMC-C2C-C1C	2.71	129.26	125.03
17	A	849	BCR	C29-C30-C25	-2.71	106.51	110.44
14	Z	805	CLA	O2A-CGA-CBA	2.71	120.08	111.83
14	H	832	CLA	CBB-CAB-C3B	-2.71	114.01	127.53
14	J	101	CLA	C2B-C1B-NB	2.70	113.13	110.33
14	A	809	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	Y	810	CLA	CHD-C1D-ND	-2.70	121.00	124.80
14	W	1701	CLA	CMB-C2B-C1B	2.70	129.54	125.42
14	Q	202	CLA	C2B-C1B-NB	2.70	113.13	110.33
17	Y	853	BCR	C30-C25-C24	2.70	122.98	115.65
14	G	828	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	H	825	CLA	CHB-C4A-NA	2.70	128.30	124.40
17	R	101	BCR	C37-C22-C21	-2.70	118.44	122.82
15	B	841	PQN	O4-C4-C5	-2.70	117.25	121.57
14	G	839	CLA	O2A-CGA-CBA	2.70	120.07	111.83
14	A	810	CLA	CMD-C2D-C3D	-2.70	121.49	127.69
14	B	815	CLA	C2B-C1B-NB	2.70	113.13	110.33
14	G	818	CLA	CAA-CBA-CGA	-2.70	105.54	113.21
14	A	822	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	H	835	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	Z	810	CLA	CMA-C3A-C4A	2.70	119.03	111.77
14	B	816	CLA	CED-O2D-CGD	2.70	122.04	115.92
17	Q	201	BCR	C23-C22-C21	2.70	123.25	119.01
14	Z	840	CLA	O2D-CGD-CBD	2.70	115.95	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	837	CLA	CMD-C2D-C3D	-2.70	121.50	127.69
14	W	1701	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	G	817	CLA	C4-C3-C2	-2.70	116.70	123.63
14	A	821	CLA	C2B-C1B-NB	2.70	113.12	110.33
14	B	833	CLA	CAA-C2A-C3A	-2.70	105.71	113.00
14	h	204	CLA	CMC-C2C-C1C	2.70	129.25	125.03
14	f	101	CLA	C3C-C4C-NC	2.70	113.89	110.43
14	H	822	CLA	CMD-C2D-C3D	-2.70	121.50	127.69
14	G	841	CLA	CMB-C2B-C3B	2.70	132.89	126.55
14	H	801	CLA	CHB-C4A-NA	2.70	128.29	124.40
14	Z	837	CLA	O2A-C1-C2	2.70	118.48	108.11
14	H	826	CLA	CMA-C3A-C4A	2.70	119.02	111.77
14	A	829	CLA	CHD-C1D-ND	-2.70	121.01	124.80
14	Z	824	CLA	CMB-C2B-C1B	2.69	129.52	125.42
17	H	850	BCR	C36-C18-C19	-2.69	113.97	118.09
14	G	822	CLA	O2A-C1-C2	2.69	118.48	108.11
14	Z	831	CLA	C3D-C4D-ND	2.69	114.37	109.99
14	Z	827	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	A	843	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
17	B	846	BCR	C39-C30-C25	-2.69	106.02	110.24
14	G	830	CLA	CHD-C1D-ND	-2.69	121.01	124.80
14	B	817	CLA	C2B-C1B-NB	2.69	113.12	110.33
14	L	204	CLA	C4D-C3D-CAD	2.69	111.03	108.11
17	Z	844	BCR	C37-C22-C23	2.69	122.20	118.09
14	G	814	CLA	CHA-C1A-NA	-2.69	120.30	126.39
14	H	818	CLA	CMC-C2C-C1C	2.69	129.24	125.03
14	H	813	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	Y	817	CLA	CMB-C2B-C1B	2.69	129.51	125.42
14	Y	807	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
14	Y	811	CLA	CED-O2D-CGD	2.69	122.02	115.92
14	H	851	CLA	CMA-C3A-C4A	2.69	119.00	111.77
14	B	803	CLA	C3C-C4C-NC	2.69	113.88	110.43
14	B	818	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	H	833	CLA	CHC-C1C-C2C	-2.69	119.31	126.95
14	U	1002	CLA	CHC-C1C-C2C	-2.69	119.31	126.95
14	Z	833	CLA	CMD-C2D-C3D	-2.69	121.53	127.69
17	H	845	BCR	C28-C27-C26	-2.69	109.26	114.06
14	Y	802	CLA	C4D-C3D-CAD	2.69	111.03	108.11
14	G	814	CLA	CHD-C1D-ND	-2.69	121.02	124.80
17	H	850	BCR	C2-C1-C6	2.69	114.34	110.44
14	Z	820	CLA	CED-O2D-CGD	2.69	122.01	115.92
14	A	806	CLA	CHC-C1C-C2C	-2.69	119.32	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	803	CLA	CHD-C1D-ND	-2.68	121.02	124.80
14	Y	818	CLA	C3D-C4D-ND	2.68	114.35	109.99
14	H	815	CLA	C3D-C4D-ND	2.68	114.35	109.99
17	L	208	BCR	C7-C8-C9	-2.68	122.26	126.23
14	H	811	CLA	C3D-C4D-ND	2.68	114.35	109.99
14	G	811	CLA	CAA-CBA-CGA	2.68	120.83	113.21
14	Y	819	CLA	O1D-CGD-CBD	-2.68	119.23	124.52
14	G	813	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
14	H	820	CLA	C4D-C3D-CAD	2.68	111.02	108.11
14	A	829	CLA	C2B-C1B-NB	2.68	113.11	110.33
14	H	836	CLA	C2B-C1B-NB	2.68	113.11	110.33
14	H	829	CLA	CHD-C1D-ND	-2.68	121.03	124.80
14	h	204	CLA	CGD-CBD-CAD	-2.68	102.17	110.85
14	g	101	CLA	CMD-C2D-C3D	-2.68	121.54	127.69
14	L	202	CLA	CMB-C2B-C1B	2.68	129.50	125.42
14	H	834	CLA	CED-O2D-CGD	2.68	121.99	115.92
14	H	836	CLA	C4C-C3C-C2C	-2.68	102.99	106.89
14	H	807	CLA	CHB-C4A-NA	2.68	128.27	124.40
14	Z	828	CLA	O1D-CGD-CBD	-2.68	119.23	124.52
14	Y	833	CLA	CHD-C1D-ND	-2.68	121.03	124.80
14	H	827	CLA	CAC-C3C-C4C	2.68	128.27	124.79
14	A	854	CLA	CHD-C1D-ND	-2.68	121.03	124.80
14	f	102	CLA	CMA-C3A-C4A	2.68	118.97	111.77
14	A	808	CLA	C4D-C3D-CAD	2.68	111.01	108.11
14	Z	825	CLA	CHD-C1D-ND	-2.68	121.03	124.80
14	B	828	CLA	C3D-C4D-ND	2.68	114.34	109.99
17	I	101	BCR	C7-C8-C9	-2.68	122.28	126.23
14	B	827	CLA	C5-C3-C2	-2.68	115.16	121.17
14	A	823	CLA	CHC-C1C-C2C	-2.68	119.34	126.95
14	A	837	CLA	C3D-C4D-ND	2.68	114.34	109.99
17	H	846	BCR	C7-C8-C9	-2.68	122.28	126.23
14	B	805	CLA	CMD-C2D-C3D	-2.68	121.55	127.69
14	A	811	CLA	C2B-C1B-NB	2.68	113.10	110.33
14	L	204	CLA	O1D-CGD-CBD	-2.68	119.24	124.52
14	G	841	CLA	C3C-C4C-NC	2.68	113.86	110.43
14	B	827	CLA	CMD-C2D-C3D	-2.67	121.56	127.69
14	G	821	CLA	CHB-C1B-C2B	-2.67	119.66	127.43
14	Z	837	CLA	CHD-C4C-C3C	-2.67	120.87	124.77
14	H	810	CLA	O1D-CGD-CBD	-2.67	119.24	124.52
14	B	805	CLA	O2A-C1-C2	2.67	118.40	108.11
14	f	101	CLA	C3D-C4D-ND	2.67	114.33	109.99
14	B	812	CLA	C3C-C4C-NC	2.67	113.86	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	840	CLA	C3C-C4C-NC	2.67	113.86	110.43
14	G	836	CLA	CMC-C2C-C1C	2.67	129.21	125.03
14	G	852	CLA	CMB-C2B-C1B	2.67	129.49	125.42
17	U	1005	BCR	C24-C25-C26	-2.67	115.40	121.56
17	Y	848	BCR	C39-C30-C25	-2.67	106.05	110.24
14	Z	805	CLA	CHD-C1D-ND	-2.67	121.04	124.80
14	G	826	CLA	O2A-CGA-CBA	2.67	119.98	111.83
14	B	815	CLA	CHC-C1C-C2C	-2.67	119.35	126.95
17	G	846	BCR	C38-C26-C25	-2.67	121.57	124.48
14	Y	816	CLA	CBB-CAB-C3B	-2.67	114.17	127.53
14	A	823	CLA	C4D-C3D-CAD	2.67	111.01	108.11
14	A	822	CLA	O2A-C1-C2	2.67	118.39	108.11
14	A	839	CLA	CMA-C3A-C4A	2.67	118.95	111.77
14	W	1701	CLA	CHD-C1D-ND	-2.67	121.04	124.80
14	G	836	CLA	C1-O2A-CGA	2.67	123.12	116.65
14	X	1701	CLA	C4D-C3D-CAD	2.67	111.01	108.11
14	B	816	CLA	CMB-C2B-C1B	2.67	129.49	125.42
17	H	842	BCR	C32-C1-C6	-2.67	106.06	110.24
14	Z	829	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
14	G	822	CLA	C4D-C3D-CAD	2.67	111.00	108.11
14	Z	836	CLA	C3D-C4D-ND	2.67	114.32	109.99
14	Z	832	CLA	C2B-C1B-NB	2.67	113.09	110.33
14	G	809	CLA	C4A-NA-C1A	2.67	107.90	106.68
14	T	101	CLA	CHB-C4A-NA	2.67	128.25	124.40
14	Y	805	CLA	O2A-CGA-CBA	2.67	119.97	111.83
17	G	847	BCR	C24-C23-C22	-2.67	122.29	126.23
14	G	840	CLA	C3C-C4C-NC	2.67	113.85	110.43
14	Z	820	CLA	CHD-C1D-ND	-2.67	121.05	124.80
14	Z	831	CLA	C2B-C1B-NB	2.67	113.09	110.33
14	h	205	CLA	CHC-C1C-C2C	-2.67	119.37	126.95
14	H	804	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
17	V	101	BCR	C15-C14-C13	-2.66	123.54	127.28
14	Y	821	CLA	O2A-CGA-CBA	2.66	119.96	111.83
14	G	829	CLA	C3D-C4D-ND	2.66	114.32	109.99
14	G	808	CLA	CHB-C1B-C2B	-2.66	119.69	127.43
14	H	818	CLA	O1D-CGD-CBD	-2.66	119.27	124.52
14	Y	837	CLA	CAC-C3C-C4C	2.66	128.25	124.79
14	B	832	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	B	839	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	A	830	CLA	C2B-C1B-NB	2.66	113.09	110.33
14	G	809	CLA	O1D-CGD-CBD	-2.66	119.27	124.52
17	Y	844	BCR	C12-C13-C14	2.66	123.19	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	839	CLA	C3D-C4D-ND	2.66	114.31	109.99
14	G	809	CLA	C3C-C4C-NC	2.66	113.84	110.43
14	B	838	CLA	CAC-C3C-C4C	2.66	128.25	124.79
14	Z	813	CLA	C2B-C1B-NB	2.66	113.08	110.33
14	Z	804	CLA	O2A-CGA-CBA	2.66	119.94	111.83
13	G	801	CL0	C3D-C4D-ND	2.66	114.31	109.99
17	S	1105	BCR	C15-C14-C13	-2.66	123.55	127.28
14	H	833	CLA	CHB-C4A-NA	2.66	128.23	124.40
14	A	816	CLA	C3C-C4C-NC	2.66	113.83	110.43
14	G	811	CLA	CMD-C2D-C3D	-2.66	121.60	127.69
14	U	1006	CLA	C4-C3-C5	2.66	119.84	115.23
14	A	803	CLA	C5-C3-C2	-2.65	115.21	121.17
14	U	1002	CLA	C1-O2A-CGA	2.65	123.08	116.65
14	B	816	CLA	CHB-C1B-C2B	-2.65	119.72	127.43
14	A	807	CLA	CHD-C1D-ND	-2.65	121.07	124.80
14	H	818	CLA	CMA-C3A-C4A	2.65	118.91	111.77
14	Y	837	CLA	O2A-C1-C2	2.65	118.32	108.11
17	H	847	BCR	C35-C13-C14	-2.65	118.52	122.82
14	Z	802	CLA	C3C-C4C-NC	2.65	113.83	110.43
14	A	842	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
14	B	816	CLA	CMC-C2C-C1C	2.65	129.18	125.03
17	Q	203	BCR	C35-C13-C12	-2.65	114.03	118.09
17	B	850	BCR	C4-C5-C6	-2.65	119.12	122.70
14	B	814	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
14	Z	826	CLA	O1D-CGD-CBD	-2.65	119.29	124.52
14	A	832	CLA	OBD-CAD-C3D	-2.65	122.22	128.42
14	G	816	CLA	CHC-C1C-C2C	-2.65	119.41	126.95
14	A	831	CLA	CHB-C4A-NA	2.65	128.23	124.40
17	R	102	BCR	C3-C4-C5	-2.65	109.33	114.06
17	L	207	BCR	C38-C26-C25	-2.65	121.59	124.48
14	B	826	CLA	C6-C5-C3	-2.65	107.01	113.47
17	i	101	BCR	C38-C26-C25	2.65	127.38	124.48
14	B	811	CLA	CED-O2D-CGD	2.65	121.92	115.92
14	A	818	CLA	CMD-C2D-C3D	-2.65	121.61	127.69
14	G	840	CLA	O2A-C1-C2	2.65	118.30	108.11
14	H	827	CLA	CBB-CAB-C3B	-2.65	114.29	127.53
17	A	850	BCR	C39-C30-C25	-2.65	106.09	110.24
14	A	811	CLA	CMB-C2B-C1B	2.65	129.45	125.42
14	A	819	CLA	CAA-CBA-CGA	-2.65	105.69	113.21
14	G	829	CLA	C1-O2A-CGA	2.65	123.06	116.65
14	Q	202	CLA	C3D-C4D-ND	2.65	114.29	109.99
14	Z	803	CLA	CHD-C1D-ND	-2.65	121.08	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	809	CLA	C1D-CHD-C4C	-2.65	120.40	126.02
14	H	825	CLA	C4-C3-C2	-2.65	116.83	123.63
14	G	825	CLA	CHC-C1C-C2C	-2.65	119.43	126.95
14	A	825	CLA	CHB-C1B-C2B	-2.65	119.75	127.43
14	A	830	CLA	CHC-C1C-C2C	-2.64	119.43	126.95
17	L	207	BCR	C34-C9-C10	-2.64	118.53	122.82
17	Z	846	BCR	C15-C14-C13	-2.64	123.44	127.48
17	S	1104	BCR	C40-C30-C25	2.64	114.39	110.24
14	H	809	CLA	CHB-C4A-NA	2.64	128.22	124.40
14	Y	809	CLA	C1-C2-C3	-2.64	121.86	126.20
14	H	809	CLA	C1-O2A-CGA	2.64	123.05	116.65
14	G	805	CLA	C3C-C4C-NC	2.64	113.82	110.43
14	B	833	CLA	CMD-C2D-C3D	-2.64	121.63	127.69
14	A	831	CLA	O1D-CGD-CBD	-2.64	119.30	124.52
14	Y	826	CLA	O2A-C1-C2	2.64	118.28	108.11
14	A	826	CLA	CED-O2D-CGD	2.64	121.91	115.92
14	A	837	CLA	O2A-C1-C2	2.64	118.28	108.11
14	B	802	CLA	O2A-C1-C2	2.64	118.28	108.11
14	Z	832	CLA	O2A-CGA-CBA	2.64	122.35	114.00
14	A	828	CLA	O1D-CGD-CBD	-2.64	119.31	124.52
14	L	202	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
14	Z	829	CLA	CED-O2D-CGD	2.64	121.90	115.92
18	A	852	LHG	O7-C7-O9	-2.64	117.53	123.70
14	Z	840	CLA	O1D-CGD-CBD	-2.64	119.31	124.52
14	G	814	CLA	CMD-C2D-C3D	-2.64	121.64	127.69
17	H	843	BCR	C33-C5-C4	2.64	119.22	113.60
14	U	1006	CLA	CMC-C2C-C1C	2.64	129.16	125.03
14	H	806	CLA	O2D-CGD-CBD	2.64	115.84	111.23
14	H	840	CLA	CMA-C3A-C4A	2.64	118.86	111.77
14	Y	803	CLA	C1-O2A-CGA	2.64	123.04	116.65
14	L	201	CLA	CAC-C3C-C4C	2.64	128.22	124.79
14	B	831	CLA	O2A-C1-C2	2.64	118.26	108.11
14	H	815	CLA	C3C-C4C-NC	2.64	113.81	110.43
14	G	834	CLA	O2A-CGA-CBA	2.64	119.87	111.83
14	B	832	CLA	CED-O2D-CGD	2.64	121.90	115.92
14	B	819	CLA	CMB-C2B-C3B	2.64	132.75	126.55
14	G	820	CLA	C1-O2A-CGA	2.64	123.03	116.65
14	W	1701	CLA	O1D-CGD-CBD	-2.64	119.32	124.52
14	Y	820	CLA	CMA-C3A-C4A	2.64	118.86	111.77
14	Z	808	CLA	CMD-C2D-C3D	-2.64	121.64	127.69
14	G	814	CLA	C1-C2-C3	-2.64	122.50	126.76
14	U	1002	CLA	CHB-C4A-NA	2.64	128.20	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	822	CLA	CED-O2D-CGD	2.63	121.89	115.92
14	H	810	CLA	C4C-C3C-C2C	-2.63	103.06	106.89
14	U	1004	CLA	C1-C2-C3	-2.63	121.88	126.20
14	Y	826	CLA	C1-C2-C3	-2.63	121.88	126.20
14	Z	840	CLA	CAC-C3C-C4C	2.63	128.22	124.79
14	B	837	CLA	CMA-C3A-C4A	2.63	118.85	111.77
14	A	833	CLA	CBB-CAB-C3B	-2.63	114.37	127.53
14	Z	812	CLA	CAC-C3C-C4C	2.63	128.22	124.79
14	B	837	CLA	CHD-C4C-C3C	-2.63	120.94	124.77
14	Y	838	CLA	C2B-C1B-NB	2.63	113.06	110.33
13	A	801	CL0	C3D-C4D-ND	2.63	114.26	109.99
14	H	836	CLA	O1D-CGD-CBD	-2.63	119.33	124.52
14	Z	802	CLA	C3D-C4D-ND	2.63	114.26	109.99
17	Z	847	BCR	C1-C6-C7	2.63	122.78	115.65
14	K	101	CLA	CMA-C3A-C4A	2.63	118.84	111.77
14	A	815	CLA	C4D-C3D-CAD	2.63	110.96	108.11
14	H	827	CLA	C4C-C3C-C2C	-2.63	103.06	106.89
14	B	837	CLA	OBD-CAD-C3D	-2.63	122.27	128.42
14	G	809	CLA	C16-C15-C13	-2.63	107.23	115.97
14	B	805	CLA	C4D-C3D-CAD	2.63	110.96	108.11
14	Y	837	CLA	CMA-C3A-C4A	2.63	118.84	111.77
14	H	825	CLA	CED-O2D-CGD	2.63	121.88	115.92
14	L	202	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	X	1701	CLA	C3C-C4C-NC	2.63	113.80	110.43
14	B	804	CLA	CHC-C1C-C2C	-2.63	119.48	126.95
14	Y	838	CLA	C4D-C3D-CAD	2.62	110.96	108.11
14	G	831	CLA	CHB-C4A-NA	2.62	128.19	124.40
14	H	829	CLA	C2B-C1B-NB	2.62	113.05	110.33
14	B	820	CLA	CMA-C3A-C4A	2.62	118.83	111.77
14	A	840	CLA	CHD-C1D-ND	-2.62	121.11	124.80
14	H	818	CLA	CMB-C2B-C1B	2.62	129.41	125.42
17	B	846	BCR	C1-C6-C7	2.62	122.77	115.65
14	H	819	CLA	CED-O2D-CGD	2.62	121.87	115.92
14	Y	833	CLA	C4D-C3D-CAD	2.62	110.96	108.11
14	Z	825	CLA	C1-C2-C3	-2.62	121.90	126.20
14	B	804	CLA	CBC-CAC-C3C	-2.62	105.31	112.42
13	Y	801	CL0	CHD-C1D-ND	-2.62	121.11	124.80
14	B	840	CLA	CHB-C1B-C2B	-2.62	119.81	127.43
14	A	817	CLA	C1-O2A-CGA	2.62	123.00	116.65
14	Y	805	CLA	C4D-CHA-C1A	2.62	124.37	121.24
14	Z	838	CLA	C6-C5-C3	-2.62	107.08	113.47
14	A	803	CLA	C3D-C4D-ND	2.62	114.25	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	847	BCR	C40-C30-C25	2.62	114.35	110.24
14	Z	824	CLA	CHC-C1C-C2C	-2.62	119.50	126.95
14	B	810	CLA	CED-O2D-CGD	2.62	121.86	115.92
14	A	815	CLA	CMC-C2C-C1C	2.62	129.13	125.03
14	Z	801	CLA	CMB-C2B-C1B	2.62	129.41	125.42
14	H	835	CLA	CED-O2D-CGD	2.62	121.86	115.92
14	B	808	CLA	CHD-C1D-ND	-2.62	121.12	124.80
14	B	816	CLA	CHD-C1D-ND	-2.62	121.12	124.80
14	B	820	CLA	C2B-C1B-NB	2.62	113.04	110.33
14	H	838	CLA	CHC-C1C-C2C	-2.62	119.51	126.95
14	A	804	CLA	CHD-C1D-ND	-2.62	121.12	124.80
14	B	826	CLA	CAC-C3C-C4C	2.62	128.19	124.79
17	A	848	BCR	C29-C30-C25	-2.62	106.64	110.44
17	G	847	BCR	C24-C25-C26	-2.62	115.53	121.56
14	A	814	CLA	C1-C2-C3	-2.62	121.91	126.20
14	B	812	CLA	C4D-C3D-CAD	2.61	110.95	108.11
14	Y	814	CLA	CHD-C1D-ND	-2.61	121.12	124.80
17	A	846	BCR	C27-C26-C25	-2.61	119.17	122.70
14	B	809	CLA	C2B-C1B-NB	2.61	113.04	110.33
17	L	208	BCR	C15-C14-C13	-2.61	123.61	127.28
14	f	101	CLA	CHB-C4A-NA	2.61	128.17	124.40
14	B	836	CLA	CED-O2D-CGD	2.61	121.84	115.92
14	G	829	CLA	CED-O2D-CGD	2.61	121.84	115.92
17	Z	843	BCR	C3-C4-C5	-2.61	109.40	114.06
14	H	832	CLA	C2B-C1B-NB	2.61	113.03	110.33
14	B	819	CLA	C3C-C4C-NC	2.61	113.78	110.43
14	G	838	CLA	CMA-C3A-C4A	2.61	118.79	111.77
14	A	807	CLA	C4D-C3D-CAD	2.61	110.94	108.11
14	Y	816	CLA	O2A-C1-C2	2.61	118.15	108.11
14	H	812	CLA	CHC-C1C-C2C	-2.61	119.53	126.95
14	h	206	CLA	CMD-C2D-C3D	-2.61	121.70	127.69
14	A	829	CLA	O2D-CGD-O1D	-2.61	118.77	123.85
14	G	836	CLA	CMD-C2D-C3D	-2.61	121.71	127.69
14	H	834	CLA	CMD-C2D-C3D	-2.61	121.71	127.69
14	G	818	CLA	CHD-C1D-ND	-2.61	121.13	124.80
17	G	847	BCR	C23-C24-C25	-2.61	120.03	127.00
14	H	813	CLA	CHC-C1C-C2C	-2.61	119.54	126.95
14	X	1701	CLA	CAC-C3C-C4C	2.61	128.18	124.79
14	H	820	CLA	CHC-C1C-C2C	-2.61	119.54	126.95
14	J	101	CLA	CMB-C2B-C1B	2.61	129.39	125.42
14	H	831	CLA	CBC-CAC-C3C	-2.61	105.35	112.42
14	H	817	CLA	CMD-C2D-C3D	-2.61	121.71	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	829	CLA	CMD-C2D-C3D	-2.61	121.71	127.69
14	A	819	CLA	CMC-C2C-C1C	2.61	129.11	125.03
14	U	1007	CLA	CBB-CAB-C3B	-2.61	114.51	127.53
14	H	814	CLA	C4D-C3D-CAD	2.61	110.94	108.11
14	A	829	CLA	CED-O2D-CGD	2.61	121.83	115.92
14	A	810	CLA	C3C-C4C-NC	2.60	113.77	110.43
14	G	824	CLA	C3C-C4C-NC	2.60	113.77	110.43
17	A	849	BCR	C7-C8-C9	-2.60	122.38	126.23
14	Z	828	CLA	CAA-C2A-C3A	-2.60	105.96	113.00
14	Z	822	CLA	CMA-C3A-C4A	2.60	118.77	111.77
17	J	103	BCR	C7-C6-C5	-2.60	115.56	121.56
14	G	840	CLA	CHB-C4A-NA	2.60	128.16	124.40
14	H	803	CLA	CAA-C2A-C3A	-2.60	105.96	113.00
14	Z	808	CLA	O2A-CGA-CBA	2.60	119.77	111.83
17	R	102	BCR	C2-C1-C6	-2.60	106.66	110.44
14	H	819	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	Z	821	CLA	C3C-C4C-NC	2.60	113.76	110.43
14	Z	838	CLA	O2A-C1-C2	2.60	118.12	108.11
14	Y	841	CLA	CMB-C2B-C3B	2.60	132.67	126.55
17	H	843	BCR	C37-C22-C23	2.60	122.06	118.09
17	A	848	BCR	C24-C25-C26	-2.60	115.56	121.56
14	G	813	CLA	CMD-C2D-C3D	-2.60	121.72	127.69
17	J	103	BCR	C31-C1-C6	-2.60	106.16	110.24
14	A	843	CLA	C2B-C1B-NB	2.60	113.02	110.33
14	Y	829	CLA	CMA-C3A-C4A	2.60	118.76	111.77
14	B	820	CLA	CHC-C1C-C2C	-2.60	119.56	126.95
14	G	807	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	H	828	CLA	CHC-C1C-C2C	-2.60	119.56	126.95
14	G	816	CLA	C2B-C1B-NB	2.60	113.02	110.33
14	G	820	CLA	CHD-C1D-ND	-2.60	121.14	124.80
14	G	832	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
14	B	808	CLA	CMC-C2C-C1C	2.60	129.10	125.03
14	G	852	CLA	O2A-C1-C2	2.60	118.11	108.11
14	Y	838	CLA	CHD-C1D-ND	-2.60	121.15	124.80
14	Y	837	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
14	Z	809	CLA	C1-C2-C3	-2.60	121.94	126.20
14	G	827	CLA	CMA-C3A-C4A	2.60	118.75	111.77
14	H	825	CLA	C4D-C3D-CAD	2.60	110.93	108.11
14	H	830	CLA	CBB-CAB-C3B	-2.60	114.55	127.53
14	G	833	CLA	C11-C10-C8	-2.60	107.33	115.97
14	Y	841	CLA	C1-O2A-CGA	2.60	122.94	116.65
14	A	815	CLA	CMD-C2D-C3D	-2.60	121.73	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	812	CLA	C4D-C3D-CAD	2.60	110.92	108.11
14	L	201	CLA	CAA-C2A-C3A	-2.60	105.99	113.00
14	Y	822	CLA	C1-O2A-CGA	2.59	122.93	116.65
14	H	809	CLA	C6-C7-C8	-2.59	107.34	115.97
14	L	202	CLA	CBB-CAB-C3B	-2.59	114.56	127.53
14	B	832	CLA	CMA-C3A-C4A	2.59	118.75	111.77
14	H	809	CLA	CAA-C2A-C3A	-2.59	105.99	113.00
14	Z	809	CLA	CHC-C4B-NB	2.59	127.94	124.05
17	H	842	BCR	C37-C22-C21	-2.59	118.61	122.82
14	Z	831	CLA	O1D-CGD-CBD	-2.59	119.40	124.52
14	Y	811	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	H	801	CLA	CBC-CAC-C3C	-2.59	105.39	112.42
14	Z	828	CLA	CMD-C2D-C3D	-2.59	121.75	127.69
14	Y	821	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	H	839	CLA	C1-C2-C3	-2.59	121.95	126.20
14	Z	826	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	H	820	CLA	C3D-C4D-ND	2.59	114.20	109.99
14	Y	821	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	A	813	CLA	C3C-C4C-NC	2.59	113.75	110.43
14	Z	827	CLA	CHD-C1D-ND	-2.59	121.16	124.80
14	A	826	CLA	CHD-C1D-ND	-2.59	121.16	124.80
14	G	839	CLA	C1-O2A-CGA	2.59	122.91	116.65
14	B	821	CLA	C4D-C3D-CAD	2.59	110.92	108.11
14	G	839	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
14	A	834	CLA	C3C-C4C-NC	2.59	113.74	110.43
14	H	807	CLA	CBB-CAB-C3B	-2.59	114.60	127.53
14	G	809	CLA	O2A-C1-C2	2.59	118.06	108.11
17	Z	844	BCR	C33-C5-C4	2.59	119.11	113.60
17	Y	849	BCR	C2-C1-C6	-2.59	106.68	110.44
14	G	830	CLA	C2B-C1B-NB	2.59	113.01	110.33
14	Z	836	CLA	CHD-C1D-ND	-2.59	121.16	124.80
14	H	821	CLA	OBD-CAD-C3D	-2.59	122.37	128.42
14	A	802	CLA	CGD-CBD-CAD	2.59	119.22	110.85
14	H	823	CLA	C4D-C3D-CAD	2.59	110.91	108.11
13	G	801	CL0	C1D-ND-C4D	-2.59	104.50	106.31
14	B	813	CLA	CMD-C2D-C3D	-2.59	121.76	127.69
14	B	801	CLA	C2B-C1B-NB	2.59	113.01	110.33
14	h	205	CLA	C2B-C1B-NB	2.59	113.01	110.33
14	A	806	CLA	C1-C2-C3	-2.58	121.96	126.20
14	A	838	CLA	O2D-CGD-O1D	-2.58	118.82	123.85
14	B	818	CLA	C3D-C4D-ND	2.58	114.19	109.99
14	Z	801	CLA	CHB-C4A-NA	2.58	128.13	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	833	CLA	C4-C3-C5	2.58	119.71	115.23
14	A	814	CLA	CMC-C2C-C3C	2.58	133.14	126.15
14	H	851	CLA	C4C-C3C-C2C	-2.58	103.13	106.89
14	A	838	CLA	CAC-C3C-C4C	2.58	128.15	124.79
14	G	807	CLA	C4C-C3C-C2C	-2.58	103.13	106.89
14	Y	803	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	B	801	CLA	O2A-C1-C2	2.58	118.04	108.11
14	G	814	CLA	CHB-C4A-NA	2.58	128.12	124.40
14	B	826	CLA	CHD-C1D-ND	-2.58	121.17	124.80
14	g	101	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	A	833	CLA	C1-C2-C3	-2.58	121.97	126.20
17	B	846	BCR	C40-C30-C25	2.58	114.29	110.24
14	H	801	CLA	CAA-C2A-C3A	-2.58	106.03	113.00
14	H	801	CLA	CMD-C2D-C3D	-2.58	121.77	127.69
14	A	839	CLA	C3C-C4C-NC	2.58	113.73	110.43
14	A	819	CLA	C3D-C4D-ND	2.58	114.18	109.99
14	Z	819	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
14	Z	822	CLA	C4D-C3D-CAD	2.58	110.91	108.11
17	Y	844	BCR	C8-C7-C6	-2.58	120.11	127.00
14	G	842	CLA	O1D-CGD-CBD	-2.58	119.43	124.52
14	H	828	CLA	OBD-CAD-C3D	-2.58	122.39	128.42
14	A	810	CLA	C4A-NA-C1A	2.58	107.86	106.68
14	B	830	CLA	C2B-C1B-NB	2.58	113.00	110.33
17	H	850	BCR	C4-C5-C6	-2.58	119.22	122.70
17	I	102	BCR	C38-C26-C25	-2.58	121.67	124.48
14	H	823	CLA	CHC-C1C-C2C	-2.58	119.62	126.95
14	Y	837	CLA	C2B-C1B-NB	2.58	113.00	110.33
14	G	823	CLA	C1-O2A-CGA	2.58	122.89	116.65
14	Y	808	CLA	CMB-C2B-C3B	2.58	132.61	126.55
14	Y	807	CLA	CMB-C2B-C1B	2.58	129.34	125.42
14	A	837	CLA	CBC-CAC-C3C	-2.57	105.44	112.42
14	Y	835	CLA	C4D-C3D-CAD	2.57	110.90	108.11
14	Y	806	CLA	C3D-C4D-ND	2.57	114.17	109.99
14	A	812	CLA	CMC-C2C-C1C	2.57	129.06	125.03
14	A	835	CLA	CMD-C2D-C3D	-2.57	121.79	127.69
14	B	803	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
14	Z	809	CLA	CHD-C1D-ND	-2.57	121.18	124.80
14	Z	805	CLA	CMB-C2B-C1B	2.57	129.34	125.42
14	G	831	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
14	B	807	CLA	CBC-CAC-C3C	-2.57	105.44	112.42
14	B	837	CLA	C1D-CHD-C4C	-2.57	120.55	126.02
14	A	828	CLA	O2A-C1-C2	2.57	118.01	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	I	101	BCR	C23-C24-C25	-2.57	120.13	127.00
14	A	828	CLA	CHD-C1D-ND	-2.57	121.19	124.80
19	B	848	LMG	C4-C3-C2	-2.57	106.32	110.83
14	G	834	CLA	C4-C3-C5	2.57	119.69	115.23
14	A	823	CLA	C3D-C4D-ND	2.57	114.16	109.99
14	B	812	CLA	C3D-C4D-ND	2.57	114.16	109.99
17	H	844	BCR	C23-C24-C25	-2.57	120.14	127.00
14	G	822	CLA	CMA-C3A-C4A	2.57	118.68	111.77
14	Y	837	CLA	O1D-CGD-CBD	-2.57	119.45	124.52
14	A	817	CLA	O2A-C1-C2	2.57	117.99	108.11
14	A	839	CLA	CBC-CAC-C3C	-2.57	105.46	112.42
14	A	814	CLA	OBD-CAD-C3D	-2.57	122.42	128.42
14	Y	825	CLA	C3C-C4C-NC	2.57	113.72	110.43
17	A	850	BCR	C38-C26-C27	2.57	119.07	113.60
14	H	820	CLA	O1D-CGD-CBD	-2.57	119.45	124.52
14	H	803	CLA	C5-C3-C2	-2.57	115.41	121.17
14	Z	825	CLA	O2A-C1-C2	2.57	117.98	108.11
14	H	803	CLA	CHD-C1D-ND	-2.57	121.19	124.80
14	Z	822	CLA	CHC-C1C-C2C	-2.57	119.66	126.95
17	Z	846	BCR	C37-C22-C21	-2.57	118.66	122.82
14	G	808	CLA	C6-C5-C3	-2.56	107.22	113.47
17	U	1009	BCR	C1-C6-C7	2.56	122.61	115.65
19	Z	849	LMG	O7-C10-O9	-2.56	117.71	123.70
14	H	833	CLA	CMD-C2D-C3D	-2.56	121.81	127.69
14	Y	827	CLA	C1-O2A-CGA	2.56	122.85	116.65
17	Y	845	BCR	C36-C18-C19	-2.56	114.17	118.09
14	B	837	CLA	C1-O2A-CGA	2.56	122.85	116.65
17	Z	848	BCR	C37-C22-C23	2.56	122.00	118.09
14	B	831	CLA	CMB-C2B-C1B	2.56	129.32	125.42
17	Z	844	BCR	C23-C24-C25	-2.56	120.16	127.00
14	H	803	CLA	CHC-C1C-C2C	-2.56	119.67	126.95
17	Z	843	BCR	C29-C30-C25	-2.56	106.72	110.44
14	Y	838	CLA	CMB-C2B-C1B	2.56	129.32	125.42
14	Z	831	CLA	CMB-C2B-C1B	2.56	129.32	125.42
14	H	825	CLA	C3C-C4C-NC	2.56	113.71	110.43
17	Y	852	BCR	C39-C30-C25	-2.56	106.23	110.24
14	B	816	CLA	C3D-C4D-ND	2.56	114.14	109.99
14	A	838	CLA	CHC-C1C-C2C	-2.56	119.68	126.95
14	Z	823	CLA	CED-O2D-CGD	2.56	121.72	115.92
14	H	823	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
14	Z	823	CLA	CHD-C1D-ND	-2.56	121.20	124.80
14	B	808	CLA	C3C-C4C-NC	2.56	113.71	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	802	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	A	838	CLA	CHD-C1D-ND	-2.56	121.20	124.80
14	G	804	CLA	CHB-C4A-NA	2.56	128.09	124.40
14	H	803	CLA	CHB-C1B-C2B	-2.56	120.00	127.43
14	B	821	CLA	CHC-C1C-C2C	-2.56	119.68	126.95
17	H	844	BCR	C37-C22-C21	-2.56	118.67	122.82
14	H	811	CLA	C4D-C3D-CAD	2.56	110.88	108.11
14	G	853	CLA	CHC-C1C-C2C	-2.56	119.69	126.95
14	A	828	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	G	811	CLA	CMC-C2C-C1C	2.56	129.03	125.03
14	A	825	CLA	C3B-C4B-NB	-2.56	108.25	110.53
14	J	101	CLA	C4D-C3D-CAD	2.56	110.88	108.11
14	H	816	CLA	C3C-C4C-NC	2.55	113.70	110.43
14	Z	820	CLA	CHC-C1C-C2C	-2.55	119.69	126.95
17	J	104	BCR	C1-C6-C7	2.55	122.58	115.65
14	H	810	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	Z	824	CLA	CMD-C2D-C3D	-2.55	121.83	127.69
13	Y	801	CL0	CHB-C4A-NA	2.55	128.09	124.40
14	Z	820	CLA	O2A-CGA-CBA	2.55	119.62	111.83
14	Z	837	CLA	CMA-C3A-C4A	2.55	118.64	111.77
17	U	1005	BCR	C36-C18-C19	-2.55	114.19	118.09
14	A	835	CLA	O2A-CGA-CBA	2.55	122.07	114.00
14	A	816	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
14	Z	830	CLA	CHD-C1D-ND	-2.55	121.21	124.80
14	d	202	CLA	C3C-C4C-NC	2.55	113.70	110.43
14	Z	802	CLA	C4D-C3D-CAD	2.55	110.88	108.11
14	Z	807	CLA	CMC-C2C-C1C	2.55	129.02	125.03
14	B	828	CLA	CAA-C2A-C3A	-2.55	106.10	113.00
14	Z	806	CLA	CMB-C2B-C3B	2.55	132.55	126.55
14	B	836	CLA	C3C-C4C-NC	2.55	113.70	110.43
14	H	821	CLA	C2B-C1B-NB	2.55	112.97	110.33
14	G	841	CLA	CHC-C1C-C2C	-2.55	119.70	126.95
17	A	846	BCR	C15-C14-C13	-2.55	123.70	127.28
14	H	810	CLA	CMA-C3A-C4A	2.55	118.63	111.77
14	A	823	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	Y	818	CLA	CHB-C4A-NA	2.55	128.08	124.40
14	B	822	CLA	O1D-CGD-CBD	-2.55	119.49	124.52
14	A	826	CLA	CGD-CBD-CAD	-2.55	102.59	110.85
14	A	842	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
14	g	102	CLA	CMD-C2D-C3D	-2.55	121.85	127.69
17	e	101	BCR	C1-C6-C7	2.55	122.56	115.65
14	A	807	CLA	CMD-C2D-C3D	-2.55	121.85	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	805	CLA	CHC-C1C-C2C	-2.55	119.71	126.95
14	H	821	CLA	CAC-C3C-C4C	2.55	128.10	124.79
17	Z	844	BCR	C15-C14-C13	-2.55	123.71	127.28
14	Z	809	CLA	CBC-CAC-C3C	-2.55	105.52	112.42
14	B	806	CLA	C1-O2A-CGA	2.54	122.81	116.65
14	H	810	CLA	CAA-C2A-C1A	2.54	120.31	111.97
14	G	818	CLA	C3D-C4D-ND	2.54	114.12	109.99
14	Z	820	CLA	O2A-C1-C2	2.54	117.90	108.11
14	H	820	CLA	CHD-C1D-ND	-2.54	121.22	124.80
17	e	101	BCR	C7-C6-C5	-2.54	115.70	121.56
14	G	820	CLA	CMD-C2D-C3D	-2.54	121.86	127.69
14	Y	815	CLA	C1-O2A-CGA	2.54	122.80	116.65
17	Y	844	BCR	C36-C18-C19	-2.54	114.20	118.09
14	H	819	CLA	C4-C3-C5	2.54	119.64	115.23
14	Z	841	CLA	C1-C2-C3	-2.54	122.03	126.20
14	A	827	CLA	C4-C3-C5	2.54	119.64	115.23
17	F	203	BCR	C40-C30-C25	-2.54	106.26	110.24
14	Y	831	CLA	CHB-C4A-NA	2.54	128.07	124.40
14	H	811	CLA	C4-C3-C2	-2.54	117.10	123.63
14	H	822	CLA	C3C-C4C-NC	2.54	113.68	110.43
14	Z	816	CLA	C3C-C4C-NC	2.54	113.68	110.43
14	G	825	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
14	Y	831	CLA	O2A-CGA-CBA	2.54	119.58	111.83
14	H	821	CLA	CHC-C1C-C2C	-2.54	119.73	126.95
14	H	829	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	A	817	CLA	CHC-C1C-C2C	-2.54	119.73	126.95
14	G	822	CLA	C4-C3-C5	2.54	119.63	115.23
14	B	806	CLA	CMC-C2C-C1C	2.54	129.00	125.03
14	H	833	CLA	C4D-C3D-CAD	2.54	110.86	108.11
14	B	824	CLA	CMB-C2B-C1B	2.54	129.28	125.42
14	H	809	CLA	C3D-C4D-ND	2.54	114.11	109.99
14	H	826	CLA	C6-C5-C3	-2.54	107.29	113.47
14	G	834	CLA	CMB-C2B-C3B	2.54	132.52	126.55
14	G	853	CLA	C4C-C3C-C2C	-2.54	103.20	106.89
14	H	840	CLA	CMC-C2C-C3C	2.54	133.01	126.15
14	G	824	CLA	C2B-C1B-NB	2.54	112.95	110.33
17	e	101	BCR	C24-C25-C26	2.54	127.39	121.56
14	Y	826	CLA	CHD-C1D-ND	-2.53	121.23	124.80
14	G	811	CLA	CHC-C1C-C2C	-2.53	119.74	126.95
19	H	848	LMG	O8-C28-C29	2.53	119.56	111.83
17	U	1005	BCR	C37-C22-C21	-2.53	118.71	122.82
15	H	841	PQN	C11-C12-C13	-2.53	122.47	126.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	H	843	BCR	C27-C26-C25	-2.53	119.28	122.70
14	K	102	CLA	C3C-C4C-NC	2.53	113.67	110.43
17	R	101	BCR	C35-C13-C12	2.53	121.96	118.09
14	Z	820	CLA	C1-O2A-CGA	2.53	122.78	116.65
14	Z	839	CLA	CHC-C1C-C2C	-2.53	119.75	126.95
14	A	838	CLA	C4D-C3D-CAD	2.53	110.86	108.11
14	U	1003	CLA	C4D-C3D-CAD	2.53	110.86	108.11
14	Z	803	CLA	OBD-CAD-C3D	-2.53	122.50	128.42
14	Y	841	CLA	C2B-C1B-NB	2.53	112.95	110.33
14	H	827	CLA	C4D-C3D-CAD	2.53	110.85	108.11
14	H	816	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	Z	841	CLA	O1D-CGD-CBD	-2.53	119.53	124.52
14	G	833	CLA	CHB-C1B-C2B	-2.53	120.08	127.43
14	A	835	CLA	CMA-C3A-C4A	2.53	118.57	111.77
14	A	818	CLA	C4-C3-C2	-2.53	117.13	123.63
14	Y	817	CLA	CED-O2D-CGD	2.53	121.65	115.92
14	H	826	CLA	CMB-C2B-C3B	2.53	132.50	126.55
14	Z	828	CLA	C6-C5-C3	-2.53	107.31	113.47
14	Y	827	CLA	C4C-C3C-C2C	-2.53	103.21	106.89
14	A	804	CLA	CMD-C2D-C3D	-2.53	121.89	127.69
14	H	819	CLA	CMA-C3A-C4A	2.53	118.57	111.77
14	B	827	CLA	CHD-C1D-ND	-2.53	121.25	124.80
17	e	101	BCR	C29-C30-C25	-2.53	106.77	110.44
14	G	815	CLA	CMA-C3A-C4A	2.53	118.56	111.77
14	G	803	CLA	C1-C2-C3	-2.53	122.06	126.20
14	B	828	CLA	CHB-C4A-NA	2.53	128.04	124.40
14	H	809	CLA	CHC-C4B-NB	2.52	127.84	124.05
14	Z	806	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	B	806	CLA	C3D-C4D-ND	2.52	114.09	109.99
14	Z	819	CLA	C4D-C3D-CAD	2.52	110.85	108.11
14	B	835	CLA	C2B-C1B-NB	2.52	112.94	110.33
14	A	813	CLA	CHC-C1C-C2C	-2.52	119.78	126.95
14	U	1002	CLA	C3C-C4C-NC	2.52	113.66	110.43
14	G	840	CLA	CED-O2D-CGD	2.52	121.64	115.92
14	Q	202	CLA	CMC-C2C-C1C	2.52	128.98	125.03
14	B	840	CLA	CHC-C1C-C2C	-2.52	119.78	126.95
14	A	829	CLA	CHB-C4A-NA	2.52	128.04	124.40
14	Z	828	CLA	CHD-C1D-ND	-2.52	121.25	124.80
14	U	1007	CLA	C3C-C4C-NC	2.52	113.66	110.43
13	A	801	CL0	O2D-CGD-O1D	-2.52	118.94	123.85
14	H	812	CLA	CHD-C1D-ND	-2.52	121.25	124.80
14	G	809	CLA	CHB-C1B-C2B	-2.52	120.11	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	f	103	BCR	C37-C22-C21	-2.52	118.73	122.82
17	G	847	BCR	C3-C4-C5	-2.52	109.56	114.06
14	B	801	CLA	CBC-CAC-C3C	-2.52	105.59	112.42
14	Z	826	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	H	809	CLA	CMB-C2B-C1B	2.52	129.26	125.42
17	H	847	BCR	C23-C22-C21	2.52	122.97	119.01
14	U	1007	CLA	OBD-CAD-C3D	-2.52	122.53	128.42
14	A	804	CLA	CED-O2D-CGD	2.52	121.63	115.92
14	U	1004	CLA	CMC-C2C-C1C	2.52	128.97	125.03
14	Y	829	CLA	CMB-C2B-C3B	2.52	132.47	126.55
14	A	803	CLA	CED-O2D-CGD	2.52	121.63	115.92
14	B	820	CLA	C4D-C3D-CAD	2.52	110.84	108.11
14	B	809	CLA	C4D-CHA-C1A	2.52	124.25	121.24
14	G	823	CLA	CMC-C2C-C1C	2.52	128.97	125.03
14	J	101	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
14	Z	827	CLA	O2A-C1-C2	2.52	117.79	108.11
14	B	825	CLA	C1D-CHD-C4C	-2.52	120.67	126.02
14	A	821	CLA	CMC-C2C-C1C	2.52	128.97	125.03
14	G	812	CLA	CMD-C2D-C3D	-2.52	121.92	127.69
14	Y	827	CLA	C3D-C4D-ND	2.52	114.08	109.99
14	S	1102	CLA	CMB-C2B-C1B	2.51	129.25	125.42
14	A	839	CLA	CHD-C1D-ND	-2.51	121.27	124.80
14	A	805	CLA	CMC-C2C-C1C	2.51	128.96	125.03
14	A	803	CLA	O2A-CGA-CBA	2.51	119.50	111.83
14	H	811	CLA	CMB-C2B-C1B	2.51	129.24	125.42
14	H	805	CLA	C2B-C1B-NB	2.51	112.93	110.33
14	B	828	CLA	C4D-C3D-CAD	2.51	110.83	108.11
14	G	826	CLA	C1-C2-C3	-2.51	122.08	126.20
14	Z	837	CLA	CAA-CBA-CGA	-2.51	106.08	113.21
14	B	812	CLA	C1-C2-C3	-2.51	122.08	126.20
17	A	848	BCR	C7-C8-C9	-2.51	122.52	126.23
14	Y	805	CLA	C1-O2A-CGA	2.51	122.73	116.65
14	G	812	CLA	OBD-CAD-C3D	-2.51	122.55	128.42
14	Z	838	CLA	CMA-C3A-C4A	2.51	118.52	111.77
14	Y	836	CLA	O2A-C1-C2	2.51	117.76	108.11
14	Y	817	CLA	C3C-C4C-NC	2.51	113.64	110.43
13	Y	801	CL0	CAC-C3C-C4C	2.51	128.05	124.79
14	j	102	CLA	CAC-C3C-C4C	2.51	128.05	124.79
14	A	816	CLA	O1D-CGD-CBD	-2.51	119.57	124.52
14	Y	841	CLA	CGD-CBD-CAD	2.51	118.97	110.85
14	d	202	CLA	C2B-C1B-NB	2.51	112.93	110.33
14	J	101	CLA	CMD-C2D-C3D	-2.51	121.94	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	834	CLA	CMB-C2B-C1B	2.51	129.24	125.42
14	H	813	CLA	O2D-CGD-O1D	-2.51	118.97	123.85
14	Z	826	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	Y	837	CLA	C4C-C3C-C2C	-2.51	103.24	106.89
14	S	1103	CLA	CMD-C2D-C3D	-2.51	121.94	127.69
14	A	815	CLA	C4D-CHA-C1A	2.51	124.23	121.24
14	Z	803	CLA	O1D-CGD-CBD	-2.51	119.58	124.52
14	Y	829	CLA	CAC-C3C-C4C	2.50	128.05	124.79
14	A	818	CLA	CMA-C3A-C4A	2.50	118.50	111.77
17	i	101	BCR	C40-C30-C25	2.50	114.17	110.24
14	A	806	CLA	CAA-C2A-C1A	-2.50	103.77	111.97
14	Z	837	CLA	CMB-C2B-C3B	2.50	132.44	126.55
14	Z	840	CLA	O2A-CGA-CBA	2.50	119.47	111.83
14	G	822	CLA	CHC-C1C-C2C	-2.50	119.83	126.95
14	H	814	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	H	851	CLA	CHB-C4A-NA	2.50	128.01	124.40
14	B	836	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	A	827	CLA	O2A-CGA-CBA	2.50	119.46	111.83
14	A	806	CLA	CMD-C2D-C3D	-2.50	121.95	127.69
14	H	810	CLA	C1D-CHD-C4C	-2.50	120.70	126.02
14	G	838	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	G	840	CLA	CHD-C1D-ND	-2.50	121.28	124.80
14	H	817	CLA	C6-C5-C3	-2.50	107.38	113.47
14	U	1006	CLA	CAC-C3C-C4C	2.50	128.04	124.79
14	Z	826	CLA	CBC-CAC-C3C	-2.50	105.64	112.42
14	Y	811	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
14	B	823	CLA	CHC-C1C-C2C	-2.50	119.84	126.95
14	S	1102	CLA	CHC-C1C-C2C	-2.50	119.84	126.95
14	U	1004	CLA	CHC-C1C-C2C	-2.50	119.84	126.95
14	G	824	CLA	CMD-C2D-C3D	-2.50	121.96	127.69
14	Z	816	CLA	CAC-C3C-C2C	2.50	132.15	127.56
14	Y	814	CLA	C4D-C3D-CAD	2.50	110.82	108.11
14	G	828	CLA	CHD-C4C-C3C	-2.50	121.13	124.77
14	U	1007	CLA	O2A-CGA-CBA	2.50	119.45	111.83
14	H	823	CLA	O2A-C1-C2	2.50	117.72	108.11
14	H	815	CLA	CHD-C4C-C3C	-2.50	121.13	124.77
14	A	811	CLA	CMD-C2D-C3D	-2.50	121.96	127.69
17	S	1104	BCR	C30-C25-C24	2.50	122.42	115.65
14	Z	818	CLA	CHB-C1B-C2B	-2.50	120.18	127.43
14	Z	832	CLA	CAC-C3C-C4C	2.50	128.04	124.79
14	Y	835	CLA	C2B-C1B-NB	2.50	112.91	110.33
14	X	1701	CLA	OBD-CAD-C3D	-2.50	122.58	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	817	CLA	C4-C3-C5	2.50	119.56	115.23
14	H	809	CLA	CMC-C2C-C1C	2.50	128.93	125.03
14	F	202	CLA	C4C-C3C-C2C	-2.49	103.26	106.89
14	A	827	CLA	CBC-CAC-C3C	-2.49	105.66	112.42
14	H	823	CLA	CHB-C4A-NA	2.49	128.00	124.40
14	K	102	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	A	838	CLA	C3D-C4D-ND	2.49	114.04	109.99
14	G	825	CLA	CHD-C1D-ND	-2.49	121.29	124.80
14	G	852	CLA	CHC-C1C-C2C	-2.49	119.86	126.95
14	Z	809	CLA	CAA-C2A-C3A	-2.49	106.26	113.00
14	A	826	CLA	O2A-C1-C2	2.49	117.70	108.11
14	A	821	CLA	CHC-C1C-C2C	-2.49	119.86	126.95
14	B	816	CLA	CHA-C1A-NA	-2.49	120.75	126.39
14	G	814	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	Y	832	CLA	CMA-C3A-C4A	2.49	118.47	111.77
14	G	812	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
14	A	807	CLA	CMC-C2C-C1C	2.49	128.93	125.03
17	d	203	BCR	C34-C9-C10	-2.49	118.78	122.82
14	S	1102	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
17	V	101	BCR	C38-C26-C27	2.49	118.91	113.60
14	L	201	CLA	C2B-C1B-NB	2.49	112.91	110.33
14	Y	804	CLA	CMD-C2D-C3D	-2.49	121.98	127.69
14	H	810	CLA	O2A-C1-C2	2.49	117.69	108.11
14	B	818	CLA	CED-O2D-CGD	2.49	121.56	115.92
14	G	819	CLA	CMD-C2D-C3D	-2.49	121.98	127.69
14	A	814	CLA	CED-O2D-CGD	2.49	121.56	115.92
13	Y	801	CL0	CBC-CAC-C3C	-2.49	105.67	112.42
17	B	846	BCR	C38-C26-C25	-2.49	121.77	124.48
14	A	825	CLA	C4C-C3C-C2C	-2.49	103.27	106.89
14	Y	827	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
17	L	208	BCR	C33-C5-C4	2.49	118.90	113.60
14	Z	810	CLA	CHD-C1D-ND	-2.49	121.30	124.80
14	Z	831	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
14	G	840	CLA	CMC-C2C-C1C	2.49	128.92	125.03
14	G	802	CLA	O2A-C1-C2	2.49	117.68	108.11
14	Z	839	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	A	836	CLA	CMB-C2B-C3B	2.49	132.40	126.55
14	B	825	CLA	C3D-C4D-ND	2.49	114.03	109.99
17	A	848	BCR	C3-C4-C5	-2.49	109.62	114.06
14	H	815	CLA	CMC-C2C-C1C	2.49	128.92	125.03
14	Y	814	CLA	O1D-CGD-CBD	-2.49	119.61	124.52
14	H	831	CLA	CED-O2D-CGD	2.49	121.56	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	839	CLA	C4D-C3D-CAD	2.49	110.81	108.11
14	Z	823	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	Z	820	CLA	CMD-C2D-C3D	-2.48	121.99	127.69
14	A	837	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	Z	819	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	A	821	CLA	C5-C3-C2	-2.48	115.59	121.17
14	H	810	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	Y	832	CLA	C2B-C1B-NB	2.48	112.90	110.33
14	Y	826	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	Y	829	CLA	CHC-C1C-C2C	-2.48	119.89	126.95
14	B	807	CLA	C2B-C1B-NB	2.48	112.90	110.33
14	W	1701	CLA	C2B-C1B-NB	2.48	112.90	110.33
14	A	837	CLA	C1D-CHD-C4C	-2.48	120.74	126.02
14	Z	810	CLA	CHC-C4B-NB	2.48	127.77	124.05
14	Y	828	CLA	O2D-CGD-CBD	2.48	115.57	111.23
14	U	1003	CLA	C6-C5-C3	-2.48	107.42	113.47
14	B	811	CLA	CMA-C3A-C4A	2.48	118.44	111.77
14	Y	803	CLA	CHC-C1C-C2C	-2.48	119.90	126.95
14	A	803	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
14	H	815	CLA	O1D-CGD-CBD	-2.48	119.62	124.52
14	Y	809	CLA	C6-C5-C3	-2.48	107.42	113.47
14	Z	816	CLA	O2A-CGA-CBA	2.48	121.84	114.00
14	Y	828	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	L	202	CLA	C3D-C4D-ND	2.48	114.02	109.99
17	U	1008	BCR	C36-C18-C19	-2.48	114.30	118.09
14	Z	841	CLA	CHC-C1C-C2C	-2.48	119.90	126.95
14	H	827	CLA	CHD-C1D-ND	-2.48	121.31	124.80
14	S	1103	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	Z	807	CLA	C3C-C4C-NC	2.48	113.61	110.43
17	R	102	BCR	C37-C22-C23	2.48	121.88	118.09
14	Z	834	CLA	CHC-C1C-C2C	-2.48	119.90	126.95
14	A	813	CLA	CMA-C3A-C4A	2.48	118.44	111.77
14	A	802	CLA	CHC-C1C-C2C	-2.48	119.90	126.95
14	A	822	CLA	C1-O2A-CGA	2.48	122.65	116.65
14	H	810	CLA	CAC-C3C-C4C	2.48	128.01	124.79
14	Y	820	CLA	CHB-C4A-NA	2.48	127.98	124.40
14	A	829	CLA	CMB-C2B-C1B	2.48	129.19	125.42
14	Z	803	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
14	Y	818	CLA	C4D-C3D-CAD	2.48	110.80	108.11
14	G	825	CLA	CAA-CBA-CGA	-2.48	106.17	113.21
14	H	832	CLA	CHD-C1D-ND	-2.48	121.32	124.80
14	Z	804	CLA	C1-O2A-CGA	2.48	122.65	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	848	BCR	C23-C24-C25	-2.48	120.38	127.00
14	Z	811	CLA	CMB-C2B-C1B	2.48	129.19	125.42
14	A	817	CLA	CMC-C2C-C1C	2.48	128.90	125.03
13	A	801	CL0	CHD-C1D-ND	-2.47	121.32	124.80
14	G	805	CLA	C2B-C1B-NB	2.47	112.89	110.33
14	H	806	CLA	CAA-CBA-CGA	-2.47	106.18	113.21
14	B	801	CLA	C4-C3-C5	2.47	119.52	115.23
14	Y	802	CLA	C1D-CHD-C4C	-2.47	120.76	126.02
14	Z	824	CLA	C1-C2-C3	-2.47	122.14	126.20
14	Z	822	CLA	CMC-C2C-C1C	2.47	128.90	125.03
14	B	823	CLA	C1-C2-C3	-2.47	122.15	126.20
17	Z	847	BCR	C1-C6-C5	-2.47	119.26	122.64
17	H	842	BCR	C4-C5-C6	-2.47	119.36	122.70
14	B	831	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	Z	818	CLA	CMA-C3A-C4A	2.47	118.42	111.77
14	B	830	CLA	CMB-C2B-C1B	2.47	129.18	125.42
14	Y	827	CLA	CHD-C1D-ND	-2.47	121.32	124.80
14	H	835	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
17	Z	844	BCR	C27-C26-C25	-2.47	119.36	122.70
14	Y	819	CLA	CHC-C1C-C2C	-2.47	119.93	126.95
14	Y	805	CLA	CMC-C2C-C3C	2.47	132.83	126.15
14	Z	803	CLA	C4-C3-C5	2.47	119.52	115.23
14	A	836	CLA	OBD-CAD-C3D	-2.47	122.64	128.42
14	H	829	CLA	CBC-CAC-C3C	-2.47	105.72	112.42
14	H	827	CLA	C1-O2A-CGA	2.47	122.63	116.65
14	Y	840	CLA	CMC-C2C-C1C	2.47	128.89	125.03
17	e	101	BCR	C30-C25-C26	-2.47	119.26	122.64
14	B	820	CLA	O1D-CGD-CBD	-2.47	119.65	124.52
14	B	839	CLA	CHB-C4A-NA	2.47	127.96	124.40
14	H	851	CLA	C3D-C4D-ND	2.47	114.00	109.99
14	G	814	CLA	CBC-CAC-C3C	-2.47	105.73	112.42
14	B	838	CLA	CHB-C1B-C2B	-2.47	120.27	127.43
14	Y	837	CLA	CMB-C2B-C3B	2.47	132.35	126.55
17	B	842	BCR	C34-C9-C10	-2.47	118.82	122.82
14	H	831	CLA	CMD-C2D-C3D	-2.47	122.04	127.69
14	Z	835	CLA	CHB-C4A-NA	2.46	127.96	124.40
14	G	813	CLA	O1D-CGD-CBD	-2.46	119.66	124.52
14	G	804	CLA	CMA-C3A-C4A	2.46	118.39	111.77
14	Y	815	CLA	CHB-C1B-C2B	-2.46	120.28	127.43
14	H	836	CLA	CMB-C2B-C1B	2.46	129.17	125.42
14	H	815	CLA	C1D-CHD-C4C	-2.46	120.78	126.02
14	B	810	CLA	CAA-C2A-C1A	-2.46	103.91	111.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	836	CLA	CHD-C1D-ND	-2.46	121.34	124.80
14	B	839	CLA	C1-C2-C3	-2.46	122.16	126.20
14	G	818	CLA	C2B-C1B-NB	2.46	112.88	110.33
14	B	818	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	h	201	CLA	C3C-C4C-NC	2.46	113.58	110.43
14	H	810	CLA	CED-O2D-CGD	2.46	121.50	115.92
14	H	829	CLA	OBD-CAD-C3D	-2.46	122.66	128.42
14	G	852	CLA	C14-C13-C15	2.46	120.05	111.27
13	Y	801	CL0	C3D-C4D-ND	2.46	113.99	109.99
14	Z	821	CLA	C4D-C3D-CAD	2.46	110.78	108.11
14	Y	830	CLA	C2B-C1B-NB	2.46	112.88	110.33
14	B	812	CLA	C4C-C3C-C2C	-2.46	103.31	106.89
17	Q	201	BCR	C33-C5-C6	-2.46	121.80	124.48
14	A	831	CLA	CED-O2D-CGD	2.46	121.50	115.92
14	B	826	CLA	CMC-C2C-C1C	2.46	128.88	125.03
17	Q	203	BCR	C8-C7-C6	-2.46	120.43	127.00
14	Z	814	CLA	C2B-C1B-NB	2.46	112.88	110.33
14	H	818	CLA	C1-O2A-CGA	2.46	122.60	116.65
14	Y	817	CLA	C1-C2-C3	-2.46	122.17	126.20
14	Z	837	CLA	C4C-C3C-C2C	-2.46	103.31	106.89
14	G	809	CLA	OBD-CAD-C3D	-2.46	122.67	128.42
14	G	840	CLA	CAA-C2A-C3A	-2.46	106.36	113.00
14	B	819	CLA	CHD-C1D-ND	-2.46	121.34	124.80
14	G	828	CLA	CED-O2D-CGD	2.46	121.49	115.92
14	A	807	CLA	C1-C2-C3	-2.46	122.17	126.20
17	e	101	BCR	C12-C13-C14	2.46	122.88	119.01
14	Z	821	CLA	CHD-C4C-C3C	-2.46	121.19	124.77
14	U	1007	CLA	CHB-C4A-NA	2.46	127.95	124.40
14	B	810	CLA	C4-C3-C5	2.46	119.49	115.23
14	B	822	CLA	CHC-C1C-C2C	-2.46	119.97	126.95
14	Z	803	CLA	CMC-C2C-C1C	2.46	128.87	125.03
14	A	828	CLA	CAC-C3C-C4C	2.46	127.99	124.79
14	A	819	CLA	C4C-C3C-C2C	-2.46	103.32	106.89
14	B	814	CLA	CMD-C2D-C3D	-2.46	122.06	127.69
17	G	847	BCR	C36-C18-C19	-2.46	114.34	118.09
14	H	825	CLA	CHD-C1D-ND	-2.46	121.35	124.80
14	Y	821	CLA	CHB-C4A-NA	2.46	127.94	124.40
17	Z	847	BCR	C8-C9-C10	2.45	122.87	119.01
14	B	810	CLA	CMB-C2B-C1B	2.45	129.16	125.42
17	Y	848	BCR	C31-C1-C6	-2.45	106.39	110.24
14	B	827	CLA	CHB-C4A-NA	2.45	127.94	124.40
14	G	823	CLA	O1D-CGD-CBD	-2.45	119.68	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	816	CLA	CMA-C3A-C4A	2.45	118.36	111.77
17	G	849	BCR	C1-C6-C5	-2.45	119.28	122.64
14	B	835	CLA	CAC-C3C-C4C	2.45	127.98	124.79
14	X	1701	CLA	CHD-C1D-ND	-2.45	121.35	124.80
14	H	807	CLA	C1-C2-C3	-2.45	122.18	126.20
17	S	1105	BCR	C3-C4-C5	-2.45	109.68	114.06
14	B	821	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	J	102	CLA	CED-O2D-CGD	2.45	121.48	115.92
18	B	849	LHG	O8-C23-O10	-2.45	117.50	123.63
14	L	205	CLA	C1D-CHD-C4C	-2.45	120.81	126.02
14	A	811	CLA	CED-O2D-CGD	2.45	121.47	115.92
14	B	840	CLA	C3A-C2A-C1A	2.45	105.01	101.34
14	H	838	CLA	CBC-CAC-C3C	-2.45	105.78	112.42
14	Z	832	CLA	CHC-C1C-C2C	-2.45	119.98	126.95
14	g	101	CLA	CHC-C1C-C2C	-2.45	119.98	126.95
14	Y	830	CLA	C3C-C4C-NC	2.45	113.57	110.43
17	Y	853	BCR	C23-C22-C21	2.45	122.86	119.01
17	S	1104	BCR	C38-C26-C27	2.45	118.82	113.60
14	A	854	CLA	CMD-C2D-C3D	-2.45	122.07	127.69
14	A	814	CLA	CMA-C3A-C4A	2.45	118.36	111.77
14	B	825	CLA	C6-C5-C3	-2.45	107.50	113.47
14	A	837	CLA	C4D-C3D-CAD	2.45	110.77	108.11
14	Y	805	CLA	CAA-CBA-CGA	-2.45	106.26	113.21
14	Y	820	CLA	CMD-C2D-C3D	-2.45	122.08	127.69
14	Y	803	CLA	CMD-C2D-C3D	-2.45	122.08	127.69
14	Z	830	CLA	C6-C5-C3	-2.45	107.51	113.47
14	h	205	CLA	C6-C5-C3	-2.45	107.51	113.47
14	Y	807	CLA	CED-O2D-CGD	2.45	121.46	115.92
14	B	806	CLA	C11-C12-C13	-2.45	107.84	115.97
14	H	819	CLA	CMC-C2C-C1C	2.44	128.85	125.03
17	U	1009	BCR	C36-C18-C17	-2.44	118.86	122.82
14	A	843	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	T	103	CLA	C3C-C4C-NC	2.44	113.56	110.43
14	Z	828	CLA	CHB-C1B-C2B	-2.44	120.33	127.43
14	Y	806	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	A	816	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	Z	835	CLA	CMD-C2D-C3D	-2.44	122.09	127.69
14	A	809	CLA	CMA-C3A-C4A	2.44	118.34	111.77
17	d	203	BCR	C36-C18-C19	-2.44	114.36	118.09
14	H	805	CLA	CMC-C2C-C1C	2.44	128.85	125.03
14	f	101	CLA	OBD-CAD-C3D	-2.44	122.71	128.42
14	A	806	CLA	C4-C3-C5	2.44	119.47	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	811	CLA	CMA-C3A-C4A	2.44	118.33	111.77
17	A	846	BCR	C8-C7-C6	-2.44	120.48	127.00
14	A	835	CLA	CMC-C2C-C1C	2.44	128.85	125.03
14	h	201	CLA	CMC-C2C-C1C	2.44	128.85	125.03
17	Y	845	BCR	C23-C22-C21	2.44	122.85	119.01
14	Z	810	CLA	C4-C3-C5	2.44	119.46	115.23
14	Z	823	CLA	C4A-NA-C1A	2.44	107.79	106.68
14	A	815	CLA	C3C-C4C-NC	2.44	113.55	110.43
14	H	809	CLA	C2B-C1B-NB	2.44	112.85	110.33
14	H	820	CLA	CMB-C2B-C1B	2.44	129.13	125.42
14	Z	829	CLA	C7-C6-C5	-2.44	106.77	113.26
14	H	824	CLA	CHD-C1D-ND	-2.44	121.37	124.80
14	G	819	CLA	CAA-C2A-C1A	-2.44	103.99	111.97
14	B	810	CLA	C3C-C4C-NC	2.44	113.55	110.43
14	H	830	CLA	C3C-C4C-NC	2.44	113.55	110.43
14	B	840	CLA	CMC-C2C-C3C	2.44	132.74	126.15
14	B	822	CLA	CMA-C3A-C4A	2.43	118.32	111.77
14	H	834	CLA	CMC-C2C-C1C	2.43	128.84	125.03
14	G	835	CLA	O1D-CGD-CBD	-2.43	119.72	124.52
14	Y	810	CLA	O2D-CGD-O1D	-2.43	119.11	123.85
14	A	830	CLA	O2A-CGA-CBA	2.43	119.25	111.83
14	H	833	CLA	CMB-C2B-C3B	2.43	132.27	126.55
13	A	801	CL0	CHB-C4A-NA	2.43	127.91	124.40
14	B	831	CLA	CAC-C3C-C2C	2.43	132.03	127.56
14	U	1002	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	A	822	CLA	C3C-C4C-NC	2.43	113.54	110.43
14	H	818	CLA	C4D-C3D-CAD	2.43	110.75	108.11
14	B	816	CLA	CMA-C3A-C4A	2.43	118.31	111.77
14	Y	815	CLA	CMB-C2B-C3B	2.43	132.27	126.55
14	B	835	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
14	B	836	CLA	O1D-CGD-CBD	-2.43	119.73	124.52
17	A	848	BCR	C30-C25-C26	-2.43	119.32	122.64
14	h	201	CLA	CHB-C1B-C2B	-2.43	120.38	127.43
17	Y	846	BCR	C33-C5-C4	2.43	118.78	113.60
14	B	824	CLA	CED-O2D-CGD	2.43	121.42	115.92
17	Y	844	BCR	C37-C22-C21	-2.43	118.88	122.82
14	d	202	CLA	CED-O2D-CGD	2.43	121.42	115.92
14	Z	822	CLA	CMD-C2D-C3D	-2.43	122.12	127.69
14	G	803	CLA	CMA-C3A-C4A	2.43	118.30	111.77
17	Z	843	BCR	C32-C1-C6	-2.43	106.44	110.24
14	B	807	CLA	O2A-C1-C2	2.43	117.45	108.11
17	I	101	BCR	C7-C6-C5	2.43	127.14	121.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	839	CLA	C4C-C3C-C2C	-2.43	103.36	106.89
17	G	848	BCR	C32-C1-C6	-2.43	106.44	110.24
14	Y	816	CLA	C4D-C3D-CAD	2.43	110.74	108.11
14	B	829	CLA	O1D-CGD-CBD	-2.43	119.73	124.52
14	h	201	CLA	C3D-C4D-ND	2.43	113.93	109.99
17	Z	848	BCR	C30-C25-C24	-2.43	109.07	115.65
14	A	828	CLA	CED-O2D-CGD	2.42	121.42	115.92
14	A	830	CLA	CED-O2D-CGD	2.42	121.42	115.92
14	Z	835	CLA	O2A-CGA-CBA	2.42	121.66	114.00
17	Z	844	BCR	C1-C6-C5	-2.42	119.32	122.64
14	G	817	CLA	CAC-C3C-C4C	2.42	127.94	124.79
14	h	204	CLA	CHD-C1D-ND	-2.42	121.39	124.80
14	H	806	CLA	CHC-C1C-C2C	-2.42	120.06	126.95
14	G	835	CLA	CHC-C1C-C2C	-2.42	120.06	126.95
17	B	843	BCR	C1-C6-C5	-2.42	119.33	122.64
14	B	804	CLA	C6-C5-C3	-2.42	107.57	113.47
14	Y	811	CLA	CMD-C2D-C3D	-2.42	122.13	127.69
14	Y	802	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	A	812	CLA	CMA-C3A-C4A	2.42	118.28	111.77
14	Z	816	CLA	CHD-C4C-C3C	-2.42	121.24	124.77
19	B	848	LMG	O4-C4-C5	2.42	115.29	109.32
14	A	854	CLA	CAA-C2A-C1A	2.42	119.91	111.97
14	Z	805	CLA	CAC-C3C-C2C	-2.42	123.11	127.56
14	A	834	CLA	C4D-C3D-CAD	2.42	110.74	108.11
14	Z	839	CLA	CMD-C2D-C3D	-2.42	122.14	127.69
14	L	201	CLA	C3D-C4D-ND	2.42	113.92	109.99
14	G	828	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	g	101	CLA	CMC-C2C-C1C	2.42	128.82	125.03
14	B	832	CLA	CHD-C4C-C3C	-2.42	121.25	124.77
17	A	847	BCR	C32-C1-C6	2.42	114.04	110.24
14	A	843	CLA	CAC-C3C-C4C	2.42	127.94	124.79
14	Z	840	CLA	CHC-C1C-C2C	-2.42	120.07	126.95
14	L	202	CLA	O1D-CGD-CBD	-2.42	119.75	124.52
14	G	834	CLA	C3C-C4C-NC	2.42	113.53	110.43
17	G	846	BCR	C37-C22-C23	2.42	121.78	118.09
14	G	818	CLA	CMA-C3A-C4A	2.42	118.27	111.77
14	A	836	CLA	CHA-C1A-NA	-2.42	120.92	126.39
14	B	809	CLA	O2D-CGD-O1D	-2.42	119.14	123.85
14	A	805	CLA	CHB-C4A-NA	2.42	127.89	124.40
14	L	206	CLA	CAA-C2A-C3A	-2.42	106.47	113.00
14	G	829	CLA	CHD-C1D-ND	-2.42	121.40	124.80
17	Y	848	BCR	C27-C26-C25	-2.42	119.44	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	818	CLA	C4-C3-C5	2.42	119.42	115.23
14	G	806	CLA	C3C-C4C-NC	2.42	113.53	110.43
14	Y	819	CLA	CAC-C3C-C4C	2.42	127.93	124.79
14	Z	809	CLA	C2B-C1B-NB	2.42	112.83	110.33
14	H	801	CLA	CED-O2D-CGD	2.42	121.39	115.92
14	Y	822	CLA	CMC-C2C-C1C	2.42	128.81	125.03
14	G	811	CLA	CMA-C3A-C4A	2.42	118.26	111.77
14	B	829	CLA	C2B-C1B-NB	2.41	112.83	110.33
14	h	206	CLA	C4C-C3C-C2C	-2.41	103.38	106.89
14	B	833	CLA	O2A-CGA-CBA	2.41	121.63	114.00
14	A	830	CLA	C4C-C3C-C2C	-2.41	103.38	106.89
14	Y	827	CLA	CMC-C2C-C1C	2.41	128.81	125.03
14	B	825	CLA	C2B-C1B-NB	2.41	112.83	110.33
14	H	839	CLA	C4D-C3D-CAD	2.41	110.73	108.11
18	Y	850	LHG	O8-C23-O10	-2.41	117.59	123.63
14	G	839	CLA	CHC-C1C-C2C	-2.41	120.09	126.95
14	L	205	CLA	CMD-C2D-C3D	-2.41	122.16	127.69
14	H	819	CLA	CMD-C2D-C3D	-2.41	122.16	127.69
17	Z	850	BCR	C30-C25-C26	-2.41	119.34	122.64
14	Z	811	CLA	C3D-C4D-ND	2.41	113.91	109.99
14	A	854	CLA	CBC-CAC-C3C	-2.41	105.88	112.42
14	A	825	CLA	CED-O2D-CGD	2.41	121.39	115.92
14	Y	808	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
14	Z	832	CLA	CHD-C1D-ND	-2.41	121.41	124.80
14	Y	839	CLA	C3C-C4C-NC	2.41	113.52	110.43
14	Y	831	CLA	C3D-C4D-ND	2.41	113.91	109.99
17	I	102	BCR	C37-C22-C23	2.41	121.77	118.09
14	H	802	CLA	CHB-C4A-NA	2.41	127.88	124.40
14	G	831	CLA	CHB-C1B-C2B	-2.41	120.43	127.43
17	V	101	BCR	C36-C18-C19	-2.41	114.41	118.09
14	A	807	CLA	O2A-C1-C2	2.41	117.38	108.11
14	B	823	CLA	O2A-C1-C2	2.41	117.38	108.11
14	H	807	CLA	C4C-C3C-C2C	-2.41	103.38	106.89
14	H	805	CLA	C4D-C3D-CAD	2.41	110.72	108.11
14	G	834	CLA	CMA-C3A-C4A	2.41	118.25	111.77
17	H	845	BCR	C24-C25-C26	-2.41	116.01	121.56
14	Z	803	CLA	CMB-C2B-C3B	2.41	132.22	126.55
14	Y	808	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	Z	804	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	A	821	CLA	CMD-C2D-C3D	-2.41	122.17	127.69
14	A	803	CLA	C1D-CHD-C4C	-2.41	120.90	126.02
18	A	852	LHG	O8-C23-O10	-2.41	117.60	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	205	CLA	CMC-C2C-C3C	2.41	132.66	126.15
14	U	1007	CLA	C1D-CHD-C4C	-2.41	120.90	126.02
14	G	823	CLA	CHC-C1C-C2C	-2.41	120.11	126.95
14	h	201	CLA	C4D-C3D-CAD	2.41	110.72	108.11
14	F	202	CLA	CMC-C2C-C1C	2.41	128.79	125.03
14	Y	817	CLA	CMD-C2D-C3D	-2.41	122.17	127.69
14	H	832	CLA	CHB-C4A-NA	2.41	127.87	124.40
14	L	204	CLA	CBC-CAC-C3C	-2.41	105.90	112.42
14	B	830	CLA	CAC-C3C-C4C	2.41	127.92	124.79
14	A	802	CLA	CHD-C1D-ND	-2.40	121.42	124.80
14	H	805	CLA	CHC-C1C-C2C	-2.40	120.11	126.95
17	U	1009	BCR	C33-C5-C4	2.40	118.72	113.60
14	Z	831	CLA	C3C-C4C-NC	2.40	113.51	110.43
14	Y	809	CLA	C4D-C3D-CAD	2.40	110.72	108.11
14	Z	811	CLA	C2B-C1B-NB	2.40	112.82	110.33
17	R	101	BCR	C2-C1-C6	2.40	113.93	110.44
14	d	201	CLA	O1D-CGD-CBD	-2.40	119.78	124.52
14	B	824	CLA	O2A-C1-C2	2.40	117.36	108.11
14	A	803	CLA	CMC-C2C-C1C	2.40	128.79	125.03
14	Y	814	CLA	C4C-C3C-C2C	-2.40	103.39	106.89
17	G	847	BCR	C39-C30-C25	-2.40	106.47	110.24
14	Y	820	CLA	CED-O2D-CGD	2.40	121.36	115.92
14	Y	833	CLA	C3C-C4C-NC	2.40	113.51	110.43
14	H	808	CLA	CHC-C4B-NB	2.40	127.65	124.05
14	Y	825	CLA	CHD-C1D-ND	-2.40	121.42	124.80
14	Z	826	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
13	Y	801	CL0	C4D-C3D-CAD	2.40	110.71	108.11
14	H	840	CLA	CAC-C3C-C4C	-2.40	121.66	124.79
14	H	824	CLA	CED-O2D-CGD	2.40	121.36	115.92
17	S	1104	BCR	C23-C22-C21	2.40	122.78	119.01
14	A	826	CLA	C2B-C1B-NB	2.40	112.81	110.33
14	A	854	CLA	C2B-C1B-NB	2.40	112.81	110.33
14	A	838	CLA	CMD-C2D-C3D	-2.40	122.19	127.69
14	H	806	CLA	CHB-C1B-C2B	-2.40	120.46	127.43
14	Y	818	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
17	T	102	BCR	C36-C18-C19	-2.40	114.42	118.09
14	G	840	CLA	C1-O2A-CGA	2.40	122.46	116.65
14	Z	825	CLA	CAC-C3C-C4C	2.40	127.91	124.79
14	Y	823	CLA	CMA-C3A-C4A	2.40	118.22	111.77
14	Z	824	CLA	C4A-NA-C1A	2.40	107.77	106.68
14	G	829	CLA	C11-C10-C8	-2.40	108.00	115.97
14	Y	816	CLA	CMC-C2C-C1C	2.40	128.78	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	829	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
17	G	846	BCR	C3-C4-C5	-2.40	109.78	114.06
17	U	1008	BCR	C40-C30-C25	-2.40	106.48	110.24
14	h	206	CLA	OBD-CAD-C3D	-2.40	122.81	128.42
14	B	818	CLA	C4-C3-C5	2.40	119.39	115.23
14	G	853	CLA	CHB-C4A-NA	2.40	127.86	124.40
14	G	827	CLA	C4D-C3D-CAD	2.40	110.71	108.11
14	A	803	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
17	Y	846	BCR	C24-C23-C22	-2.40	122.69	126.23
14	G	809	CLA	CAC-C3C-C4C	2.40	127.91	124.79
14	B	840	CLA	C1-C2-C3	-2.40	122.27	126.20
14	G	828	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
14	Z	821	CLA	CHB-C1B-C2B	-2.40	120.47	127.43
14	Y	828	CLA	C3C-C4C-NC	2.39	113.50	110.43
14	Y	818	CLA	CHC-C1C-C2C	-2.39	120.14	126.95
14	Y	804	CLA	CMB-C2B-C1B	2.39	129.06	125.42
14	A	803	CLA	C4D-C3D-CAD	2.39	110.70	108.11
14	Y	808	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	h	204	CLA	C3C-C4C-NC	2.39	113.50	110.43
14	B	819	CLA	CED-O2D-CGD	2.39	121.34	115.92
14	Y	806	CLA	CHD-C1D-ND	-2.39	121.44	124.80
14	B	840	CLA	C11-C10-C8	-2.39	108.01	115.97
14	Z	839	CLA	CBB-CAB-C3B	-2.39	115.58	127.53
14	G	803	CLA	C3D-C4D-ND	2.39	113.87	109.99
17	F	201	BCR	C15-C14-C13	-2.39	123.92	127.28
17	H	846	BCR	C15-C14-C13	-2.39	123.92	127.28
14	Y	832	CLA	CHD-C1D-ND	-2.39	121.44	124.80
14	B	824	CLA	CHC-C1C-C2C	-2.39	120.15	126.95
14	G	823	CLA	O2D-CGD-O1D	-2.39	119.19	123.85
14	Z	839	CLA	CGD-CBD-CAD	-2.39	103.11	110.85
14	G	808	CLA	CBC-CAC-C3C	-2.39	105.94	112.42
14	B	829	CLA	CHB-C4A-NA	2.39	127.85	124.40
14	Y	810	CLA	CAC-C3C-C4C	2.39	127.90	124.79
14	A	815	CLA	CHB-C1B-C2B	-2.39	120.49	127.43
17	Y	852	BCR	C23-C22-C21	2.39	122.77	119.01
14	B	809	CLA	CBB-CAB-C3B	-2.39	115.59	127.53
14	Z	833	CLA	CHD-C1D-ND	-2.39	121.44	124.80
14	B	827	CLA	CHC-C1C-C2C	-2.39	120.16	126.95
14	H	808	CLA	CHC-C1C-C2C	-2.39	120.16	126.95
14	Y	821	CLA	CAA-C2A-C3A	-2.39	106.55	113.00
17	Z	845	BCR	C3-C4-C5	-2.39	109.80	114.06
17	T	102	BCR	C7-C8-C9	-2.39	122.70	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	811	CLA	CAC-C3C-C4C	2.39	127.89	124.79
14	K	102	CLA	CHC-C1C-C2C	-2.39	120.17	126.95
14	S	1103	CLA	CHC-C1C-C2C	-2.39	120.17	126.95
14	A	823	CLA	C4-C3-C5	2.39	119.37	115.23
14	G	825	CLA	C2B-C1B-NB	2.39	112.80	110.33
14	H	803	CLA	CHA-C1A-NA	-2.39	120.99	126.39
14	H	805	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	A	840	CLA	C1-O2A-CGA	2.38	122.42	116.65
14	B	813	CLA	CED-O2D-CGD	2.38	121.32	115.92
14	L	202	CLA	CHD-C4C-C3C	-2.38	121.30	124.77
14	Y	821	CLA	C4-C3-C5	2.38	119.36	115.23
14	G	829	CLA	CMC-C2C-C1C	2.38	128.76	125.03
14	B	801	CLA	CMC-C2C-C3C	2.38	132.59	126.15
13	Y	801	CL0	CMC-C2C-C1C	2.38	128.76	125.03
14	G	803	CLA	CHC-C1C-C2C	-2.38	120.18	126.95
14	S	1101	CLA	CHC-C1C-C2C	-2.38	120.18	126.95
14	H	817	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
14	B	836	CLA	C1-O2A-CGA	2.38	122.41	116.65
14	Y	839	CLA	CHC-C1C-C2C	-2.38	120.18	126.95
14	A	841	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	g	102	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	A	820	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	T	103	CLA	O2D-CGD-O1D	-2.38	119.22	123.85
14	H	838	CLA	CED-O2D-CGD	2.38	121.31	115.92
14	Z	801	CLA	C3C-C4C-NC	2.38	113.48	110.43
17	B	845	BCR	C15-C14-C13	-2.38	123.85	127.48
17	Y	849	BCR	C37-C22-C21	-2.38	118.96	122.82
14	A	820	CLA	CAC-C3C-C4C	2.38	127.88	124.79
14	A	833	CLA	C3D-C4D-ND	2.38	113.85	109.99
14	Y	804	CLA	CBC-CAC-C3C	-2.38	105.97	112.42
14	f	102	CLA	C3C-C4C-NC	2.38	113.48	110.43
14	H	824	CLA	CHC-C1C-C2C	-2.38	120.19	126.95
14	G	822	CLA	CMC-C2C-C1C	2.38	128.75	125.03
14	A	805	CLA	C4D-C3D-CAD	2.38	110.69	108.11
14	B	812	CLA	CHD-C1D-ND	-2.38	121.46	124.80
14	L	205	CLA	CHD-C1D-ND	-2.38	121.46	124.80
14	Y	822	CLA	CHB-C1B-C2B	-2.38	120.53	127.43
15	Y	842	PQN	C14-C13-C15	2.38	119.35	115.23
14	L	202	CLA	C2B-C1B-NB	2.38	112.79	110.33
14	Y	814	CLA	C4D-CHA-C1A	2.38	124.08	121.24
14	G	815	CLA	C1-C2-C3	-2.38	122.92	126.76
14	G	830	CLA	CMC-C2C-C3C	2.38	132.57	126.15

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	202	CLA	C1D-CHD-C4C	-2.38	120.97	126.02
14	H	806	CLA	C3D-C4D-ND	2.38	113.85	109.99
14	H	814	CLA	CMC-C2C-C1C	2.37	128.75	125.03
17	Q	201	BCR	C37-C22-C23	2.37	121.72	118.09
14	B	824	CLA	CMA-C3A-C4A	2.37	118.15	111.77
14	U	1007	CLA	C11-C10-C8	-2.37	108.07	115.97
14	Z	824	CLA	O2A-C1-C2	2.37	117.24	108.11
14	Y	806	CLA	CAA-C2A-C3A	-2.37	106.58	113.00
14	B	812	CLA	C16-C15-C13	-2.37	108.08	115.97
14	F	202	CLA	O2D-CGD-O1D	-2.37	119.23	123.85
14	B	835	CLA	CED-O2D-CGD	2.37	121.30	115.92
14	Z	826	CLA	C4-C3-C2	-2.37	117.53	123.63
14	Z	827	CLA	CMA-C3A-C4A	2.37	118.15	111.77
14	Z	831	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
14	G	804	CLA	CHC-C1C-C2C	-2.37	120.21	126.95
14	B	809	CLA	C3D-C4D-ND	2.37	113.84	109.99
14	A	818	CLA	C1-O2A-CGA	2.37	122.39	116.65
14	H	807	CLA	O2A-C1-C2	2.37	117.23	108.11
14	Z	825	CLA	CMB-C2B-C3B	2.37	132.12	126.55
14	B	827	CLA	CED-O2D-CGD	2.37	121.29	115.92
17	h	202	BCR	C3-C4-C5	-2.37	109.83	114.06
14	G	803	CLA	CBC-CAC-C3C	-2.37	106.00	112.42
14	A	815	CLA	CAA-C2A-C1A	-2.37	104.21	111.97
14	A	835	CLA	CED-O2D-CGD	2.37	121.29	115.92
14	H	802	CLA	CED-O2D-CGD	2.37	121.29	115.92
14	Y	824	CLA	C4C-C3C-C2C	-2.37	103.44	106.89
14	Y	837	CLA	CAA-CBA-CGA	-2.37	106.49	113.21
14	Y	822	CLA	CHC-C1C-C2C	-2.37	120.22	126.95
14	A	808	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	Y	821	CLA	CMC-C2C-C1C	2.37	128.73	125.03
14	G	827	CLA	C1-C2-C3	-2.37	122.32	126.20
17	Q	203	BCR	C1-C6-C5	-2.37	119.40	122.64
14	B	834	CLA	CMD-C2D-C3D	-2.37	122.26	127.69
14	Y	813	CLA	CHC-C1C-C2C	-2.36	120.23	126.95
17	Z	848	BCR	C33-C5-C6	-2.36	121.90	124.48
14	Y	824	CLA	CMD-C2D-C3D	-2.36	122.27	127.69
14	H	830	CLA	CMC-C2C-C1C	2.36	128.73	125.03
14	G	833	CLA	CHC-C1C-C2C	-2.36	120.23	126.95
17	Z	844	BCR	C38-C26-C27	2.36	118.64	113.60
14	H	830	CLA	C3D-C4D-ND	2.36	113.83	109.99
14	G	852	CLA	C4C-C3C-C2C	-2.36	103.45	106.89
14	Z	821	CLA	CAC-C3C-C2C	2.36	131.90	127.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	825	CLA	CHC-C1C-C2C	-2.36	120.23	126.95
17	Z	844	BCR	C32-C1-C6	-2.36	106.54	110.24
14	Z	825	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	A	841	CLA	CMB-C2B-C1B	2.36	129.02	125.42
14	B	819	CLA	CHC-C1C-C2C	-2.36	120.24	126.95
17	Y	844	BCR	C35-C13-C14	-2.36	118.99	122.82
14	G	836	CLA	CMA-C3A-C4A	2.36	118.12	111.77
14	Z	817	CLA	C4-C3-C5	2.36	119.33	115.23
14	A	838	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	U	1006	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	B	839	CLA	C6-C5-C3	-2.36	107.72	113.47
14	B	826	CLA	CHA-C4D-ND	2.36	137.42	132.55
14	Z	810	CLA	O2D-CGD-CBD	2.36	115.36	111.23
14	Z	838	CLA	CMD-C2D-C3D	-2.36	122.28	127.69
14	F	202	CLA	C4D-C3D-CAD	2.36	110.67	108.11
14	G	852	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	U	1007	CLA	CHB-C1B-C2B	-2.36	120.58	127.43
14	B	838	CLA	CHD-C1D-ND	-2.36	121.48	124.80
14	Z	819	CLA	CHB-C1B-C2B	-2.36	120.58	127.43
14	H	815	CLA	CHD-C1D-ND	-2.36	121.48	124.80
14	B	834	CLA	CHC-C1C-C2C	-2.36	120.25	126.95
14	h	206	CLA	CMB-C2B-C3B	2.36	132.10	126.55
17	F	201	BCR	C24-C25-C26	2.36	126.99	121.56
17	B	843	BCR	C7-C8-C9	-2.36	122.75	126.23
14	G	825	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	Z	833	CLA	C3C-C4C-NC	2.36	113.45	110.43
14	B	804	CLA	C1-C2-C3	-2.36	122.33	126.20
14	Z	802	CLA	CHD-C4C-C3C	-2.36	121.34	124.77
14	A	838	CLA	CHA-C1A-NA	-2.36	121.05	126.39
14	B	820	CLA	CAC-C3C-C4C	2.36	127.86	124.79
14	Y	824	CLA	CHD-C4C-C3C	-2.36	121.34	124.77
17	M	101	BCR	C38-C26-C25	-2.36	121.91	124.48
14	Z	829	CLA	CHC-C1C-C2C	-2.36	120.25	126.95
17	Y	848	BCR	C37-C22-C23	2.36	121.69	118.09
14	Y	836	CLA	O2D-CGD-O1D	-2.36	119.26	123.85
14	B	828	CLA	CGD-CBD-CAD	2.36	118.47	110.85
14	B	821	CLA	CMB-C2B-C1B	2.36	129.00	125.42
14	H	812	CLA	CMB-C2B-C1B	2.36	129.00	125.42
14	B	830	CLA	CHC-C1C-C2C	-2.36	120.25	126.95
17	h	202	BCR	C7-C8-C9	-2.36	122.75	126.23
14	Y	826	CLA	CMB-C2B-C1B	2.35	129.00	125.42
14	U	1007	CLA	CAA-C2A-C3A	-2.35	106.64	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	810	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	G	810	CLA	CMD-C2D-C3D	-2.35	122.29	127.69
14	H	829	CLA	C6-C7-C8	-2.35	108.14	115.97
14	A	843	CLA	CMA-C3A-C4A	2.35	118.10	111.77
14	A	827	CLA	CGD-CBD-CAD	-2.35	103.23	110.85
14	Z	805	CLA	O2D-CGD-O1D	-2.35	119.27	123.85
14	Z	806	CLA	OBD-CAD-C3D	-2.35	122.92	128.42
14	Q	202	CLA	CHD-C1D-ND	-2.35	121.49	124.80
14	f	102	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	G	840	CLA	CHB-C1B-C2B	-2.35	120.60	127.43
14	G	831	CLA	CBB-CAB-C3B	-2.35	115.78	127.53
14	B	815	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	B	824	CLA	CBC-CAC-C3C	-2.35	106.05	112.42
14	B	802	CLA	CMD-C2D-C3D	-2.35	122.30	127.69
14	B	826	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	Z	814	CLA	C3D-C4D-ND	2.35	113.81	109.99
14	A	831	CLA	CHD-C1D-ND	-2.35	121.50	124.80
14	H	808	CLA	C3A-C2A-C1A	2.35	104.86	101.34
17	B	850	BCR	C38-C26-C27	2.35	118.61	113.60
14	B	819	CLA	CMA-C3A-C4A	2.35	118.09	111.77
14	G	803	CLA	C1-O2A-CGA	2.35	122.34	116.65
17	A	846	BCR	C3-C4-C5	-2.35	109.87	114.06
14	L	202	CLA	C11-C10-C8	-2.35	108.16	115.97
14	B	806	CLA	CBB-CAB-C3B	-2.35	115.79	127.53
14	B	838	CLA	C4D-C3D-CAD	2.35	110.66	108.11
14	d	201	CLA	O2A-C1-C2	2.35	117.14	108.11
14	A	814	CLA	C4-C3-C5	2.35	119.30	115.23
14	G	832	CLA	CHC-C1C-C2C	-2.35	120.28	126.95
17	J	104	BCR	C31-C1-C6	-2.35	106.56	110.24
14	T	103	CLA	CHC-C1C-C2C	-2.35	120.28	126.95
14	Y	811	CLA	CAA-C2A-C3A	-2.35	106.66	113.00
14	H	828	CLA	CMC-C2C-C3C	2.35	132.49	126.15
14	Z	818	CLA	CAC-C3C-C4C	2.35	127.84	124.79
14	B	838	CLA	C3C-C4C-NC	2.35	113.44	110.43
14	S	1103	CLA	C4-C3-C2	-2.35	117.60	123.63
17	Q	201	BCR	C2-C3-C4	-2.35	106.12	111.28
14	B	802	CLA	CHB-C1B-C2B	-2.35	120.62	127.43
14	H	804	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	B	820	CLA	CMD-C2D-C3D	-2.34	122.31	127.69
14	A	832	CLA	C1D-CHD-C4C	-2.34	121.04	126.02
17	T	102	BCR	C38-C26-C27	2.34	118.59	113.60
14	B	806	CLA	O2A-C1-C2	2.34	117.13	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	834	CLA	CHB-C1B-C2B	-2.34	120.62	127.43
14	G	806	CLA	CHB-C4A-NA	2.34	127.78	124.40
14	Z	841	CLA	C1-O2A-CGA	2.34	122.33	116.65
14	B	808	CLA	C7-C6-C5	-2.34	107.02	113.26
14	Z	801	CLA	CHD-C4C-C3C	-2.34	121.36	124.77
14	B	804	CLA	O2A-CGA-CBA	2.34	118.98	111.83
14	B	828	CLA	CHB-C1B-C2B	-2.34	120.62	127.43
14	H	840	CLA	CED-O2D-CGD	2.34	121.23	115.92
14	H	804	CLA	CMD-C2D-C3D	-2.34	122.32	127.69
14	Z	827	CLA	C3D-C4D-ND	2.34	113.79	109.99
14	Z	803	CLA	C3C-C4C-NC	2.34	113.43	110.43
14	B	809	CLA	CHA-C1A-NA	-2.34	121.09	126.39
14	A	831	CLA	C1-O2A-CGA	2.34	122.32	116.65
14	A	818	CLA	C3C-C4C-NC	2.34	113.43	110.43
17	f	103	BCR	C37-C22-C23	2.34	121.66	118.09
14	B	824	CLA	C1-O2A-CGA	2.34	122.31	116.65
14	S	1101	CLA	O2D-CGD-O1D	-2.34	119.29	123.85
14	B	840	CLA	O2A-CGA-CBA	2.34	118.97	111.83
14	G	838	CLA	CED-O2D-CGD	2.34	121.22	115.92
14	H	808	CLA	C1D-CHD-C4C	-2.34	121.05	126.02
14	G	825	CLA	CED-O2D-CGD	2.34	121.22	115.92
14	A	838	CLA	CHC-C4B-NB	2.34	127.56	124.05
14	A	811	CLA	CMA-C3A-C4A	2.34	118.06	111.77
14	B	804	CLA	C4-C3-C5	2.34	119.29	115.23
14	B	816	CLA	CHC-C1C-C2C	-2.34	120.30	126.95
14	S	1101	CLA	O1D-CGD-CBD	-2.34	119.91	124.52
14	G	815	CLA	CMB-C2B-C3B	2.34	132.05	126.55
14	H	809	CLA	CAC-C3C-C2C	-2.34	123.27	127.56
14	A	807	CLA	CAA-C2A-C1A	2.34	119.63	111.97
14	U	1003	CLA	CHC-C1C-C2C	-2.34	120.31	126.95
14	A	828	CLA	C4C-C3C-C2C	-2.34	103.49	106.89
14	G	835	CLA	CED-O2D-CGD	2.34	121.21	115.92
14	G	842	CLA	CHB-C4A-NA	2.34	127.77	124.40
14	B	830	CLA	C4C-C3C-C2C	-2.33	103.49	106.89
14	H	836	CLA	CHD-C4C-C3C	-2.33	121.37	124.77
17	I	101	BCR	C8-C7-C6	-2.33	120.76	127.00
14	H	819	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
17	Y	846	BCR	C15-C14-C13	-2.33	124.00	127.28
14	B	808	CLA	CMD-C2D-C3D	-2.33	122.34	127.69
14	A	814	CLA	O2A-C1-C2	2.33	117.09	108.11
14	G	807	CLA	C3C-C4C-NC	2.33	113.42	110.43
14	h	206	CLA	C3C-C4C-NC	2.33	113.42	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	809	CLA	CHC-C1C-C2C	-2.33	120.32	126.95
14	Y	837	CLA	CED-O2D-CGD	2.33	121.21	115.92
14	Y	839	CLA	O1D-CGD-CBD	-2.33	119.92	124.52
14	Y	830	CLA	CMB-C2B-C3B	2.33	132.03	126.55
17	R	102	BCR	C29-C30-C25	-2.33	107.05	110.44
14	G	831	CLA	CMD-C2D-C3D	-2.33	122.34	127.69
14	Y	816	CLA	CED-O2D-CGD	2.33	121.20	115.92
14	B	837	CLA	C3D-C4D-ND	2.33	113.78	109.99
14	Z	802	CLA	CAA-C2A-C1A	2.33	119.61	111.97
14	Y	817	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
14	Z	806	CLA	CMD-C2D-C3D	-2.33	122.34	127.69
14	Y	810	CLA	C4C-C3C-C2C	-2.33	103.50	106.89
17	Y	852	BCR	C36-C18-C19	-2.33	114.53	118.09
14	A	817	CLA	C2B-C1B-NB	2.33	112.74	110.33
14	Y	820	CLA	CMC-C2C-C1C	2.33	128.67	125.03
14	Y	808	CLA	C4D-C3D-CAD	2.33	110.63	108.11
13	Y	801	CL0	C11-C10-C8	-2.33	108.23	115.97
14	A	806	CLA	CMA-C3A-C4A	2.33	118.03	111.77
14	H	833	CLA	CHB-C1B-C2B	-2.33	120.67	127.43
17	G	847	BCR	C33-C5-C4	2.33	118.56	113.60
14	H	810	CLA	CBA-CAA-C2A	-2.33	106.87	113.79
14	Z	808	CLA	CHC-C1C-C2C	-2.33	120.34	126.95
14	G	817	CLA	O2A-C1-C2	2.33	117.06	108.11
14	d	202	CLA	CHD-C1D-ND	-2.33	121.53	124.80
14	Y	813	CLA	C1-C2-C3	-2.32	122.39	126.20
14	B	818	CLA	CMD-C2D-C3D	-2.32	122.36	127.69
14	Z	841	CLA	C3C-C4C-NC	2.32	113.41	110.43
14	H	828	CLA	C3C-C4C-NC	2.32	113.41	110.43
14	Y	823	CLA	CMB-C2B-C1B	2.32	128.96	125.42
14	B	808	CLA	CHA-C1A-NA	-2.32	121.13	126.39
17	B	846	BCR	C7-C8-C9	-2.32	122.80	126.23
17	B	842	BCR	C33-C5-C4	2.32	118.55	113.60
14	A	854	CLA	C3C-C4C-NC	2.32	113.41	110.43
17	Z	844	BCR	C38-C26-C25	-2.32	121.95	124.48
14	G	819	CLA	CMA-C3A-C4A	2.32	118.01	111.77
14	G	805	CLA	C4-C3-C5	2.32	119.26	115.23
14	G	833	CLA	CHB-C4A-NA	2.32	127.75	124.40
14	d	202	CLA	O2D-CGD-O1D	-2.32	119.33	123.85
17	Y	853	BCR	C7-C6-C5	-2.32	116.21	121.56
14	A	809	CLA	O2A-C1-C2	2.32	117.04	108.11
17	H	847	BCR	C12-C13-C14	2.32	122.66	119.01
14	Z	830	CLA	C1-O2A-CGA	2.32	122.27	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	802	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
17	A	846	BCR	C24-C25-C26	2.32	126.90	121.56
14	h	201	CLA	CMA-C3A-C4A	2.32	118.01	111.77
14	K	102	CLA	CAC-C3C-C4C	2.32	127.81	124.79
14	Z	811	CLA	CHA-C1A-NA	-2.32	121.14	126.39
17	G	848	BCR	C29-C30-C25	-2.32	107.07	110.44
14	H	824	CLA	C4D-C3D-CAD	2.32	110.62	108.11
17	B	850	BCR	C29-C30-C25	-2.32	107.07	110.44
14	Y	827	CLA	CED-O2D-CGD	2.32	121.17	115.92
17	U	1008	BCR	C30-C25-C24	2.32	121.94	115.65
14	Y	817	CLA	C4D-C3D-CAD	2.32	110.62	108.11
14	Y	809	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	Y	838	CLA	CMD-C2D-C3D	-2.32	122.38	127.69
14	U	1003	CLA	CMC-C2C-C1C	2.32	128.66	125.03
14	Y	835	CLA	CED-O2D-CGD	2.32	121.17	115.92
14	Z	829	CLA	C4D-C3D-CAD	2.32	110.62	108.11
14	A	854	CLA	CHB-C4A-NA	2.32	127.74	124.40
14	A	831	CLA	O2D-CGD-O1D	-2.32	119.34	123.85
14	A	803	CLA	CHC-C1C-C2C	-2.32	120.36	126.95
14	B	837	CLA	CHD-C1D-ND	-2.32	121.54	124.80
14	Y	822	CLA	CMA-C3A-C4A	2.32	118.00	111.77
14	B	829	CLA	C3C-C4C-NC	2.32	113.40	110.43
14	A	823	CLA	CMB-C2B-C3B	2.32	132.00	126.55
17	B	843	BCR	C8-C7-C6	-2.32	120.81	127.00
14	H	817	CLA	CHB-C1B-C2B	-2.31	120.71	127.43
14	H	836	CLA	CMC-C2C-C1C	2.31	128.65	125.03
14	G	810	CLA	CHC-C1C-C2C	-2.31	120.37	126.95
14	H	838	CLA	CMD-C2D-C3D	-2.31	122.38	127.69
15	G	843	PQN	C2M-C2-C1	2.31	120.94	116.68
14	Y	832	CLA	CHA-C1A-NA	-2.31	121.15	126.39
14	Z	809	CLA	C3A-C2A-C1A	2.31	104.80	101.34
14	U	1003	CLA	CHB-C1B-C2B	-2.31	120.71	127.43
14	H	824	CLA	C2B-C1B-NB	2.31	112.72	110.33
17	Y	847	BCR	C24-C25-C26	-2.31	116.23	121.56
14	Z	806	CLA	C1-C2-C3	-2.31	122.41	126.20
14	H	808	CLA	CAA-C2A-C3A	-2.31	106.75	113.00
14	H	819	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
14	A	820	CLA	O1D-CGD-CBD	-2.31	119.96	124.52
14	H	815	CLA	O2D-CGD-O1D	-2.31	119.35	123.85
14	h	204	CLA	CHC-C1C-C2C	-2.31	120.38	126.95
14	h	205	CLA	CHB-C4A-NA	2.31	127.73	124.40
14	Y	818	CLA	OBD-CAD-C3D	-2.31	123.02	128.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	841	CLA	CHC-C1C-C2C	-2.31	120.38	126.95
14	Z	835	CLA	O2D-CGD-CBD	2.31	115.27	111.23
14	Z	817	CLA	CMD-C2D-C3D	-2.31	122.39	127.69
14	G	807	CLA	C1-C2-C3	-2.31	122.41	126.20
14	G	841	CLA	CHD-C1D-ND	-2.31	121.55	124.80
14	H	826	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
14	B	834	CLA	CHB-C1B-C2B	-2.31	120.72	127.43
14	Y	841	CLA	CHB-C1B-C2B	-2.31	120.73	127.43
14	A	812	CLA	C2B-C1B-NB	2.31	112.72	110.33
14	G	820	CLA	CHC-C1C-C2C	-2.31	120.39	126.95
17	e	101	BCR	C35-C13-C14	-2.31	119.08	122.82
14	A	819	CLA	C1D-CHD-C4C	-2.31	121.12	126.02
14	Y	823	CLA	CHC-C1C-C2C	-2.31	120.39	126.95
14	A	818	CLA	O2A-C1-C2	2.31	116.98	108.11
17	Y	848	BCR	C38-C26-C27	2.31	118.51	113.60
14	A	838	CLA	CHB-C4A-NA	2.30	127.73	124.40
14	Z	823	CLA	C1-C2-C3	-2.30	122.42	126.20
14	G	804	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	A	802	CLA	C1-C2-C3	-2.30	122.42	126.20
14	B	808	CLA	CHC-C4B-NB	2.30	127.50	124.05
14	B	836	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	L	205	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	H	806	CLA	CED-O2D-CGD	2.30	121.14	115.92
14	A	830	CLA	C3C-C4C-NC	2.30	113.38	110.43
17	H	844	BCR	C1-C6-C5	-2.30	119.49	122.64
14	L	205	CLA	CHD-C4C-C3C	-2.30	121.42	124.77
13	A	801	CL0	CMD-C2D-C3D	-2.30	122.41	127.69
14	G	812	CLA	C3C-C4C-NC	2.30	113.38	110.43
17	U	1008	BCR	C37-C22-C23	2.30	121.61	118.09
17	V	101	BCR	C8-C7-C6	-2.30	120.85	127.00
14	Z	804	CLA	CHB-C1B-C2B	-2.30	120.74	127.43
14	G	813	CLA	C2B-C1B-NB	2.30	112.71	110.33
14	Z	823	CLA	CHB-C1B-C2B	-2.30	120.75	127.43
14	B	837	CLA	O1D-CGD-CBD	-2.30	119.98	124.52
14	A	813	CLA	C4-C3-C5	2.30	119.22	115.23
17	A	849	BCR	C37-C22-C23	2.30	121.60	118.09
14	H	825	CLA	C4-C3-C5	2.30	119.22	115.23
18	Y	850	LHG	O10-C23-C24	-2.30	114.79	123.78
14	B	824	CLA	CMC-C2C-C1C	2.30	128.63	125.03
14	Y	830	CLA	CHD-C1D-ND	-2.30	121.57	124.80
14	Y	839	CLA	C4C-C3C-C2C	-2.30	103.55	106.89
14	Y	812	CLA	CHC-C1C-C2C	-2.30	120.42	126.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	824	CLA	O2A-C1-C2	2.30	116.95	108.11
14	B	802	CLA	O2D-CGD-CBD	2.30	115.25	111.23
14	A	833	CLA	C2B-C1B-NB	2.30	112.71	110.33
14	B	821	CLA	CHB-C1B-C2B	-2.30	120.76	127.43
14	G	827	CLA	CHD-C1D-ND	-2.30	121.57	124.80
14	A	836	CLA	CMD-C2D-C3D	-2.30	122.42	127.69
14	A	840	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	B	822	CLA	CHB-C4A-NA	2.30	127.72	124.40
14	A	821	CLA	CED-O2D-CGD	2.30	121.13	115.92
14	Z	805	CLA	C4D-C3D-CAD	2.30	110.60	108.11
14	H	815	CLA	CED-O2D-CGD	2.30	121.12	115.92
14	A	839	CLA	C2B-C1B-NB	2.30	112.71	110.33
14	A	842	CLA	CMA-C3A-C4A	2.29	117.94	111.77
14	H	817	CLA	C7-C6-C5	-2.29	107.15	113.26
14	G	809	CLA	O2D-CGD-O1D	-2.29	119.38	123.85
14	B	822	CLA	C4D-C3D-CAD	2.29	110.60	108.11
14	G	829	CLA	O2D-CGD-O1D	-2.29	119.38	123.85
14	H	835	CLA	CMB-C2B-C1B	2.29	128.91	125.42
14	K	101	CLA	CMB-C2B-C1B	2.29	128.91	125.42
14	H	835	CLA	OBD-CAD-C3D	-2.29	123.06	128.42
13	G	801	CL0	CHB-C1B-C2B	-2.29	120.77	127.43
14	B	817	CLA	C1-C2-C3	-2.29	122.44	126.20
17	V	101	BCR	C30-C25-C26	-2.29	119.50	122.64
14	H	825	CLA	CHD-C4C-C3C	-2.29	121.43	124.77
17	A	851	BCR	C30-C25-C26	-2.29	119.50	122.64
14	Z	809	CLA	CAA-C2A-C1A	-2.29	104.47	111.97
13	G	801	CL0	CHC-C1C-C2C	-2.29	120.44	126.95
14	H	825	CLA	CMA-C3A-C4A	2.29	117.93	111.77
17	H	847	BCR	C36-C18-C19	-2.29	114.59	118.09
14	H	808	CLA	C3C-C4C-NC	2.29	113.36	110.43
14	B	836	CLA	C1D-CHD-C4C	-2.29	121.15	126.02
17	h	202	BCR	C28-C27-C26	-2.29	109.97	114.06
13	G	801	CL0	CMD-C2D-C3D	-2.29	122.44	127.69
14	B	829	CLA	CHC-C1C-C2C	-2.29	120.44	126.95
14	B	813	CLA	C4-C3-C5	2.29	119.20	115.23
14	A	834	CLA	CED-O2D-CGD	2.29	121.11	115.92
14	Z	833	CLA	C1-C2-C3	-2.29	122.45	126.20
14	H	826	CLA	CHD-C1D-ND	-2.29	121.58	124.80
14	A	825	CLA	CHD-C4C-C3C	-2.29	121.44	124.77
14	G	853	CLA	O2A-CGA-CBA	2.29	121.23	114.00
17	Y	844	BCR	C2-C3-C4	-2.29	106.25	111.28
17	Z	847	BCR	C4-C5-C6	-2.29	119.61	122.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	h	202	BCR	C12-C13-C14	2.29	122.61	119.01
14	B	835	CLA	CHC-C1C-C2C	-2.29	120.45	126.95
14	Y	814	CLA	CMC-C2C-C1C	2.29	128.61	125.03
14	L	206	CLA	C1-C2-C3	-2.29	122.45	126.20
14	H	818	CLA	CHC-C1C-C2C	-2.29	120.45	126.95
14	L	205	CLA	CHB-C4A-NA	2.29	127.70	124.40
14	Z	829	CLA	CMB-C2B-C3B	2.29	131.93	126.55
14	G	806	CLA	C11-C12-C13	-2.29	108.36	115.97
14	G	823	CLA	O2A-C1-C2	2.29	116.91	108.11
17	A	848	BCR	C1-C6-C7	2.29	121.85	115.65
14	B	837	CLA	C4D-C3D-CAD	2.29	110.59	108.11
17	J	103	BCR	C35-C13-C12	-2.29	114.60	118.09
14	Z	812	CLA	C4-C3-C2	-2.29	117.76	123.63
14	G	825	CLA	CHC-C4B-NB	2.29	127.48	124.05
14	Y	813	CLA	C3C-C4C-NC	2.28	113.36	110.43
17	V	101	BCR	C7-C8-C9	-2.28	122.86	126.23
13	Y	801	CL0	CHC-C4B-NB	2.28	127.48	124.05
14	A	835	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
17	A	851	BCR	C36-C18-C17	2.28	126.52	122.82
17	Y	847	BCR	C28-C27-C26	-2.28	109.98	114.06
14	B	820	CLA	CMB-C2B-C1B	2.28	128.90	125.42
17	Y	848	BCR	C38-C26-C25	-2.28	121.99	124.48
14	G	823	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
14	H	805	CLA	CMD-C2D-C3D	-2.28	122.45	127.69
14	Y	828	CLA	CHD-C1D-ND	-2.28	121.59	124.80
14	A	812	CLA	OBD-CAD-C3D	-2.28	123.08	128.42
14	A	833	CLA	CHC-C1C-C2C	-2.28	120.46	126.95
17	e	101	BCR	C31-C1-C6	2.28	113.82	110.24
14	G	811	CLA	C1-O2A-CGA	2.28	122.18	116.65
14	B	840	CLA	CMB-C2B-C1B	2.28	128.89	125.42
14	H	821	CLA	CED-O2D-CGD	2.28	121.09	115.92
14	Z	840	CLA	CMC-C2C-C1C	2.28	128.60	125.03
14	B	839	CLA	CHB-C1B-C2B	-2.28	120.80	127.43
14	H	826	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	G	814	CLA	O1D-CGD-CBD	-2.28	120.02	124.52
17	f	103	BCR	C35-C13-C12	2.28	121.57	118.09
14	B	840	CLA	CMD-C2D-C3D	-2.28	122.46	127.69
14	B	804	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	G	830	CLA	O2D-CGD-O1D	-2.28	119.41	123.85
17	H	843	BCR	C30-C25-C26	-2.28	119.52	122.64
14	f	102	CLA	CED-O2D-CGD	2.28	121.08	115.92
14	H	851	CLA	O1D-CGD-CBD	-2.28	120.02	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	807	CLA	O2A-C1-C2	2.28	116.88	108.11
14	A	823	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	B	804	CLA	CAC-C3C-C4C	2.28	127.75	124.79
14	G	839	CLA	CHB-C1B-C2B	-2.28	120.81	127.43
17	A	850	BCR	C28-C27-C26	-2.28	109.99	114.06
14	A	825	CLA	CMC-C2C-C1C	2.28	128.59	125.03
14	Y	806	CLA	CHC-C1C-C2C	-2.28	120.47	126.95
14	J	102	CLA	C4D-C3D-CAD	2.28	110.58	108.11
17	B	843	BCR	C24-C25-C26	2.28	126.80	121.56
14	A	817	CLA	CAC-C3C-C4C	2.28	127.75	124.79
17	S	1105	BCR	C30-C25-C24	2.28	121.83	115.65
14	A	803	CLA	C1-O2A-CGA	2.28	122.16	116.65
14	Y	817	CLA	CHB-C1B-C2B	-2.28	120.82	127.43
14	A	825	CLA	CMA-C3A-C4A	2.28	117.89	111.77
14	H	809	CLA	C4D-C3D-CAD	2.28	110.58	108.11
14	Z	840	CLA	C4C-C3C-C2C	-2.28	103.58	106.89
14	G	812	CLA	CED-O2D-CGD	2.28	121.08	115.92
14	A	836	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	B	805	CLA	CMB-C2B-C1B	2.27	128.88	125.42
14	B	837	CLA	CMB-C2B-C1B	2.27	128.88	125.42
17	Y	847	BCR	C38-C26-C25	-2.27	122.00	124.48
14	B	837	CLA	CHC-C1C-C2C	-2.27	120.48	126.95
14	Z	805	CLA	C4-C3-C5	2.27	119.18	115.23
14	A	802	CLA	CHC-C4B-NB	2.27	127.46	124.05
14	A	829	CLA	CMC-C2C-C1C	2.27	128.59	125.03
14	Q	202	CLA	CHC-C1C-C2C	-2.27	120.49	126.95
14	L	201	CLA	CED-O2D-CGD	2.27	121.07	115.92
14	G	834	CLA	CAA-C2A-C3A	-2.27	106.86	113.00
14	B	804	CLA	CMC-C2C-C1C	2.27	128.59	125.03
14	B	829	CLA	CMC-C2C-C1C	2.27	128.59	125.03
14	Y	810	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	Y	807	CLA	CHB-C1B-C2B	-2.27	120.83	127.43
14	B	840	CLA	C2A-C3A-C4A	-2.27	98.20	101.87
14	Y	821	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	A	834	CLA	CHD-C4C-C3C	-2.27	121.46	124.77
15	Z	842	PQN	C2M-C2-C1	2.27	120.86	116.68
14	B	812	CLA	CHB-C4A-NA	2.27	127.68	124.40
14	H	851	CLA	CHC-C1C-C2C	-2.27	120.49	126.95
14	Z	819	CLA	CMC-C2C-C1C	2.27	128.58	125.03
14	H	818	CLA	CED-O2D-CGD	2.27	121.07	115.92
14	S	1102	CLA	CMD-C2D-C3D	-2.27	122.48	127.69
14	H	831	CLA	CMA-C3A-C4A	2.27	117.88	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	817	CLA	CHC-C1C-C2C	-2.27	120.50	126.95
14	A	830	CLA	C4B-C3B-C2B	-2.27	104.48	107.30
17	Z	847	BCR	C7-C6-C5	-2.27	116.33	121.56
14	Z	803	CLA	CED-O2D-CGD	2.27	121.06	115.92
14	H	831	CLA	O1D-CGD-CBD	-2.27	120.04	124.52
14	G	827	CLA	O2D-CGD-O1D	-2.27	119.43	123.85
14	H	830	CLA	CAC-C3C-C4C	2.27	127.74	124.79
14	G	829	CLA	C4D-C3D-CAD	2.27	110.57	108.11
14	U	1006	CLA	CHD-C1D-ND	-2.27	121.61	124.80
14	H	837	CLA	OBD-CAD-C3D	-2.27	123.11	128.42
14	A	828	CLA	CMD-C2D-C3D	-2.27	122.49	127.69
14	Y	816	CLA	CMD-C2D-C3D	-2.27	122.49	127.69
14	W	1701	CLA	CGD-CBD-CAD	-2.27	103.50	110.85
14	G	852	CLA	O2D-CGD-O1D	-2.27	119.43	123.85
17	M	101	BCR	C31-C1-C6	-2.27	106.69	110.24
14	G	806	CLA	O2A-C1-C2	2.27	116.83	108.11
14	G	834	CLA	CED-O2D-CGD	2.27	121.06	115.92
14	Y	802	CLA	CHB-C4A-NA	2.27	127.67	124.40
14	B	825	CLA	CHA-C1A-NA	-2.27	121.26	126.39
14	Z	833	CLA	CMB-C2B-C1B	2.27	128.87	125.42
17	L	207	BCR	C29-C28-C27	-2.27	106.30	111.28
14	Y	812	CLA	C4-C3-C2	-2.27	117.81	123.63
14	Y	809	CLA	C3C-C4C-NC	2.27	113.33	110.43
14	A	824	CLA	CMC-C2C-C1C	2.26	128.57	125.03
14	B	802	CLA	CBB-CAB-C3B	-2.26	116.21	127.53
14	H	831	CLA	O2A-C1-C2	2.26	116.82	108.11
14	A	815	CLA	CAA-CBA-CGA	-2.26	106.78	113.21
14	Z	821	CLA	O2D-CGD-O1D	-2.26	119.44	123.85
14	L	201	CLA	OBD-CAD-C3D	-2.26	123.12	128.42
14	H	836	CLA	CHC-C1C-C2C	-2.26	120.52	126.95
14	H	836	CLA	O2D-CGD-O1D	-2.26	119.44	123.85
14	Z	829	CLA	CHA-C1A-NA	-2.26	121.27	126.39
14	A	806	CLA	C4D-C3D-CAD	2.26	110.56	108.11
14	G	826	CLA	C1-O2A-CGA	2.26	122.13	116.65
14	H	803	CLA	C1-O2A-CGA	2.26	122.13	116.65
14	H	810	CLA	CGD-CBD-CAD	-2.26	103.52	110.85
14	B	819	CLA	O2D-CGD-O1D	-2.26	119.44	123.85
17	Z	848	BCR	C3-C4-C5	-2.26	110.02	114.06
14	G	853	CLA	CMC-C2C-C3C	2.26	132.27	126.15
14	Y	825	CLA	C4C-C3C-C2C	-2.26	103.60	106.89
14	F	202	CLA	OBD-CAD-C3D	-2.26	123.13	128.42
14	A	840	CLA	CED-O2D-CGD	2.26	121.05	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	833	CLA	CED-O2D-CGD	2.26	121.05	115.92
14	G	814	CLA	C1D-CHD-C4C	-2.26	121.21	126.02
14	H	840	CLA	C1D-CHD-C4C	-2.26	121.21	126.02
14	Z	807	CLA	CAA-C2A-C3A	-2.26	106.89	113.00
14	H	836	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	Y	834	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	G	824	CLA	CMB-C2B-C1B	2.26	128.86	125.42
14	A	823	CLA	CMD-C2D-C3D	-2.26	122.50	127.69
14	Y	834	CLA	C4D-C3D-CAD	2.26	110.56	108.11
14	A	805	CLA	CHC-C1C-C2C	-2.26	120.53	126.95
14	Y	813	CLA	CED-O2D-CGD	2.26	121.04	115.92
17	Y	847	BCR	C37-C22-C21	-2.26	119.16	122.82
14	A	807	CLA	CHA-C1A-NA	-2.26	121.28	126.39
14	A	817	CLA	CMA-C3A-C4A	2.26	117.84	111.77
14	B	829	CLA	CMB-C2B-C1B	2.26	128.86	125.42
14	H	807	CLA	CAC-C3C-C4C	2.26	127.73	124.79
14	Z	829	CLA	CHB-C1B-C2B	-2.26	120.87	127.43
14	Z	826	CLA	CBA-CAA-C2A	2.26	120.51	113.79
14	Z	831	CLA	CHB-C4A-NA	2.26	127.66	124.40
14	Z	840	CLA	CHB-C4A-NA	2.26	127.66	124.40
14	Z	812	CLA	C3C-C4C-NC	2.26	113.32	110.43
14	Y	824	CLA	CHB-C1B-C2B	-2.26	120.87	127.43
14	A	804	CLA	CHC-C4B-NB	2.26	127.44	124.05
14	G	815	CLA	CHC-C1C-C2C	-2.26	120.54	126.95
14	G	810	CLA	CHB-C1B-C2B	-2.26	120.88	127.43
14	A	833	CLA	OBD-CAD-C3D	-2.26	123.14	128.42
17	B	842	BCR	C31-C1-C6	-2.26	106.71	110.24
14	Y	808	CLA	C1-O2A-CGA	2.26	122.11	116.65
14	H	824	CLA	CHA-C1A-NA	-2.25	121.28	126.39
17	B	844	BCR	C36-C18-C19	-2.25	114.64	118.09
14	Y	831	CLA	C1D-CHD-C4C	-2.25	121.23	126.02
14	A	811	CLA	O1D-CGD-CBD	-2.25	120.07	124.52
14	G	834	CLA	C4D-C3D-CAD	2.25	110.55	108.11
17	B	844	BCR	C2-C1-C6	-2.25	107.17	110.44
14	U	1007	CLA	CMC-C2C-C1C	2.25	128.56	125.03
14	A	827	CLA	CHB-C1B-C2B	-2.25	120.88	127.43
17	e	101	BCR	C7-C8-C9	-2.25	122.90	126.23
14	H	802	CLA	CMA-C3A-C4A	2.25	117.83	111.77
14	A	838	CLA	CED-O2D-CGD	2.25	121.03	115.92
14	A	841	CLA	C4C-C3C-C2C	-2.25	103.61	106.89
14	Y	809	CLA	CHB-C1B-C2B	-2.25	120.89	127.43
14	G	812	CLA	CAC-C3C-C4C	2.25	127.72	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	836	CLA	CAC-C3C-C2C	2.25	131.70	127.56
14	G	806	CLA	CHD-C4C-C3C	-2.25	121.49	124.77
18	A	852	LHG	O4-P-O5	2.25	122.92	112.44
14	Y	821	CLA	O2D-CGD-O1D	-2.25	119.46	123.85
14	H	823	CLA	CAC-C3C-C4C	2.25	127.72	124.79
14	Y	821	CLA	C1-O2A-CGA	2.25	122.10	116.65
14	Z	841	CLA	OBD-CAD-C3D	-2.25	123.15	128.42
14	Z	837	CLA	C4-C3-C5	2.25	119.14	115.23
14	Z	804	CLA	CHC-C1C-C2C	-2.25	120.55	126.95
14	B	803	CLA	CMD-C2D-C3D	-2.25	122.53	127.69
14	H	822	CLA	CHB-C4A-NA	2.25	127.65	124.40
17	R	102	BCR	C30-C25-C26	-2.25	119.56	122.64
15	H	841	PQN	C21-C20-C18	-2.25	108.49	115.97
17	f	103	BCR	C2-C1-C6	2.25	113.71	110.44
17	Y	846	BCR	C36-C18-C19	-2.25	114.65	118.09
14	H	837	CLA	C2A-C1A-CHA	-2.25	119.96	123.87
14	Z	811	CLA	C4D-CHA-C1A	2.25	123.93	121.24
14	Y	809	CLA	CMA-C3A-C4A	2.25	117.82	111.77
14	B	837	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
14	d	201	CLA	CHB-C4A-NA	2.25	127.64	124.40
14	Y	836	CLA	C16-C15-C13	-2.25	108.49	115.97
14	A	842	CLA	C4B-C3B-C2B	-2.25	104.51	107.30
17	R	101	BCR	C36-C18-C17	-2.25	119.17	122.82
14	A	831	CLA	CMA-C3A-C4A	2.25	117.81	111.77
14	H	808	CLA	C2B-C1B-NB	2.25	112.66	110.33
14	Z	836	CLA	CMD-C2D-C3D	-2.25	122.54	127.69
14	A	804	CLA	CHC-C1C-C2C	-2.25	120.56	126.95
14	G	813	CLA	CMB-C2B-C3B	2.25	131.83	126.55
14	Y	814	CLA	C1-O2A-CGA	2.25	122.09	116.65
14	Z	810	CLA	C3C-C4C-NC	2.25	113.31	110.43
14	Z	828	CLA	O2D-CGD-O1D	-2.25	119.48	123.85
17	Y	847	BCR	C8-C7-C6	-2.24	121.00	127.00
14	B	833	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
14	B	837	CLA	C4C-C3C-C2C	-2.24	103.62	106.89
14	Z	831	CLA	CMA-C3A-C4A	2.24	117.81	111.77
14	B	802	CLA	CHD-C1D-ND	-2.24	121.64	124.80
14	U	1006	CLA	CHC-C1C-C2C	-2.24	120.57	126.95
14	H	839	CLA	CHD-C4C-C3C	-2.24	121.50	124.77
14	B	804	CLA	CMB-C2B-C3B	2.24	131.83	126.55
14	G	817	CLA	O1D-CGD-CBD	-2.24	120.09	124.52
14	A	838	CLA	CMC-C2C-C1C	2.24	128.54	125.03
14	B	832	CLA	CAA-C2A-C3A	-2.24	106.94	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	853	CLA	CAA-C2A-C3A	-2.24	106.94	113.00
14	L	205	CLA	C4C-C3C-C2C	-2.24	103.63	106.89
14	A	812	CLA	CED-O2D-CGD	2.24	121.00	115.92
14	B	818	CLA	CHC-C1C-C2C	-2.24	120.58	126.95
14	G	832	CLA	CMC-C2C-C1C	2.24	128.54	125.03
14	B	805	CLA	CMC-C2C-C1C	2.24	128.54	125.03
17	Z	847	BCR	C12-C13-C14	2.24	122.53	119.01
14	Y	818	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
17	B	850	BCR	C30-C25-C26	-2.24	119.57	122.64
14	B	819	CLA	CMD-C2D-C3D	-2.24	122.55	127.69
14	Z	823	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	Z	812	CLA	CHC-C1C-C2C	-2.24	120.58	126.95
14	B	823	CLA	O1D-CGD-CBD	-2.24	120.10	124.52
14	X	1701	CLA	CMC-C2C-C1C	2.24	128.53	125.03
14	Z	837	CLA	CMC-C2C-C1C	2.24	128.53	125.03
15	B	841	PQN	C11-C3-C4	2.24	120.94	118.58
17	i	101	BCR	C12-C13-C14	2.24	122.53	119.01
14	Z	841	CLA	O2D-CGD-O1D	-2.24	119.49	123.85
14	Z	817	CLA	CHD-C4C-C3C	-2.24	121.51	124.77
14	G	802	CLA	C4D-C3D-CAD	2.24	110.54	108.11
14	G	841	CLA	O2D-CGD-CBD	2.24	115.14	111.23
14	Y	812	CLA	C3C-C4C-NC	2.24	113.30	110.43
14	Z	814	CLA	CHD-C4C-C3C	-2.24	121.51	124.77
14	B	810	CLA	CBA-CAA-C2A	2.24	120.45	113.79
14	Y	806	CLA	OBD-CAD-C3D	-2.24	123.19	128.42
14	A	809	CLA	CED-O2D-CGD	2.24	120.99	115.92
14	G	803	CLA	CGD-CBD-CAD	-2.24	103.61	110.85
17	H	842	BCR	C7-C8-C9	-2.23	122.93	126.23
17	G	848	BCR	C30-C25-C24	2.23	121.71	115.65
14	G	803	CLA	CBB-CAB-C3B	-2.23	116.36	127.53
14	A	816	CLA	CHD-C4C-C3C	-2.23	121.52	124.77
14	H	811	CLA	CHB-C1B-C2B	-2.23	120.94	127.43
13	G	801	CL0	CED-O2D-CGD	2.23	120.98	115.92
14	Z	804	CLA	C4A-NA-C1A	2.23	107.70	106.68
17	G	848	BCR	C28-C27-C26	-2.23	110.07	114.06
14	L	201	CLA	C11-C10-C8	-2.23	108.54	115.97
14	Y	812	CLA	C1-C2-C3	-2.23	122.54	126.20
14	B	813	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	G	831	CLA	CHD-C1D-ND	-2.23	121.66	124.80
14	B	803	CLA	CAC-C3C-C4C	2.23	127.69	124.79
14	Y	812	CLA	CMD-C2D-C3D	-2.23	122.57	127.69
14	H	833	CLA	O2A-CGA-CBA	2.23	121.05	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	833	CLA	CHC-C4B-NB	2.23	127.40	124.05
14	A	818	CLA	CHD-C4C-C3C	-2.23	121.52	124.77
14	h	204	CLA	CHA-C1A-NA	-2.23	121.34	126.39
14	G	807	CLA	CMB-C2B-C1B	2.23	128.82	125.42
14	Z	834	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
14	Z	825	CLA	C4-C3-C5	2.23	119.10	115.23
14	H	831	CLA	C3C-C4C-NC	2.23	113.29	110.43
14	H	830	CLA	CHD-C1D-ND	-2.23	121.66	124.80
14	H	836	CLA	O2A-C1-C2	2.23	116.69	108.11
14	H	813	CLA	CMD-C2D-C3D	-2.23	122.58	127.69
14	G	841	CLA	C6-C7-C8	-2.23	108.56	115.97
14	A	805	CLA	CHB-C1B-C2B	-2.23	120.96	127.43
14	G	804	CLA	C4D-C3D-CAD	2.23	110.53	108.11
18	B	849	LHG	C5-O7-C7	-2.23	112.46	117.80
14	H	809	CLA	CBA-CAA-C2A	-2.23	107.17	113.79
17	A	847	BCR	C23-C22-C21	2.23	122.51	119.01
14	G	836	CLA	CED-O2D-CGD	2.23	120.96	115.92
14	G	829	CLA	C6-C5-C3	-2.23	108.05	113.47
14	B	826	CLA	C4D-C3D-CAD	2.23	110.52	108.11
14	G	831	CLA	C1D-CHD-C4C	-2.23	121.29	126.02
14	Z	822	CLA	CHB-C4A-NA	2.23	127.61	124.40
14	G	828	CLA	O1D-CGD-CBD	-2.22	120.13	124.52
14	H	831	CLA	CHD-C4C-C3C	-2.22	121.53	124.77
17	A	847	BCR	C37-C22-C23	2.22	121.49	118.09
14	G	839	CLA	O1D-CGD-CBD	-2.22	120.13	124.52
17	Z	845	BCR	C35-C13-C14	-2.22	119.21	122.82
14	B	819	CLA	CMC-C2C-C1C	2.22	128.51	125.03
14	A	816	CLA	CMB-C2B-C3B	2.22	131.78	126.55
14	K	101	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	Z	811	CLA	C4D-C3D-CAD	2.22	110.52	108.11
14	A	803	CLA	CHD-C1D-ND	-2.22	121.67	124.80
14	Y	840	CLA	C1-O2A-CGA	2.22	122.03	116.65
17	G	845	BCR	C35-C13-C12	-2.22	114.69	118.09
14	B	840	CLA	C6-C5-C3	-2.22	108.06	113.47
14	B	815	CLA	C4D-C3D-CAD	2.22	110.52	108.11
14	L	206	CLA	CMB-C2B-C3B	2.22	131.78	126.55
14	Z	827	CLA	O1D-CGD-CBD	-2.22	120.14	124.52
14	H	832	CLA	CMC-C2C-C1C	2.22	128.50	125.03
14	Y	841	CLA	O2A-C1-C2	2.22	116.65	108.11
14	Y	839	CLA	CAC-C3C-C4C	2.22	127.68	124.79
14	A	826	CLA	C1-O2A-CGA	2.22	122.02	116.65
14	Z	835	CLA	CMA-C3A-C4A	2.22	117.74	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	811	CLA	CHC-C1C-C2C	-2.22	120.64	126.95
14	Y	833	CLA	OBD-CAD-C3D	-2.22	123.23	128.42
14	G	819	CLA	C4D-C3D-CAD	2.22	110.52	108.11
14	Y	813	CLA	CMC-C2C-C1C	2.22	128.50	125.03
17	H	843	BCR	C28-C27-C26	-2.22	110.10	114.06
14	B	801	CLA	C5-C3-C2	-2.22	116.19	121.17
14	G	826	CLA	CHB-C4A-NA	2.22	127.60	124.40
14	A	832	CLA	C4C-C3C-C2C	-2.22	103.66	106.89
14	J	102	CLA	CMD-C2D-C3D	-2.22	122.60	127.69
14	B	834	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	Z	817	CLA	CMB-C2B-C3B	2.22	131.76	126.55
14	U	1007	CLA	O2A-C1-C2	2.22	116.64	108.11
17	F	203	BCR	C33-C5-C4	2.22	118.32	113.60
14	A	812	CLA	C6-C5-C3	-2.22	108.07	113.47
14	B	811	CLA	O2D-CGD-O1D	-2.22	119.53	123.85
14	B	813	CLA	CAC-C3C-C4C	2.22	127.67	124.79
14	Y	838	CLA	O2A-C1-C2	2.22	116.63	108.11
14	Z	807	CLA	C4-C3-C5	2.22	119.07	115.23
14	G	818	CLA	O1D-CGD-CBD	-2.22	120.15	124.52
17	Z	845	BCR	C8-C9-C10	2.21	122.49	119.01
14	G	810	CLA	CMC-C2C-C1C	2.21	128.50	125.03
14	G	830	CLA	CAA-C2A-C3A	-2.21	107.01	113.00
14	f	101	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	A	806	CLA	C2B-C1B-NB	2.21	112.62	110.33
15	A	844	PQN	C11-C12-C13	-2.21	123.02	126.83
14	G	810	CLA	CMB-C2B-C3B	2.21	131.76	126.55
17	A	850	BCR	C7-C8-C9	-2.21	122.96	126.23
17	U	1008	BCR	C27-C26-C25	-2.21	119.71	122.70
17	Y	845	BCR	C15-C14-C13	-2.21	124.17	127.28
14	A	832	CLA	CHD-C1D-ND	-2.21	121.69	124.80
14	H	831	CLA	CGD-CBD-CAD	-2.21	103.68	110.85
14	T	101	CLA	CMA-C3A-C4A	2.21	117.72	111.77
14	B	816	CLA	C4D-C3D-CAD	2.21	110.51	108.11
14	H	817	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	H	817	CLA	C1-O2A-CGA	2.21	122.00	116.65
14	X	1701	CLA	CED-O2D-CGD	2.21	120.93	115.92
14	Y	837	CLA	CHC-C1C-C2C	-2.21	120.67	126.95
14	H	851	CLA	CMC-C2C-C1C	2.21	128.49	125.03
14	A	802	CLA	CAA-C2A-C3A	-2.21	107.03	113.00
14	H	812	CLA	C4D-C3D-CAD	2.21	110.50	108.11
14	H	811	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	B	828	CLA	CMD-C2D-C3D	-2.21	122.62	127.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	805	CLA	C5-C3-C2	-2.21	116.21	121.17
14	h	201	CLA	C6-C5-C3	-2.21	108.09	113.47
14	Y	825	CLA	C11-C10-C8	-2.21	108.63	115.97
14	G	814	CLA	CHC-C1C-C2C	-2.21	120.67	126.95
14	G	842	CLA	CED-O2D-CGD	2.21	120.92	115.92
14	H	811	CLA	O1D-CGD-CBD	-2.21	120.16	124.52
14	H	822	CLA	CMB-C2B-C1B	2.21	128.78	125.42
14	Z	803	CLA	O2A-C1-C2	2.21	116.60	108.11
17	J	103	BCR	C7-C8-C9	-2.21	122.97	126.23
14	Y	823	CLA	O1D-CGD-CBD	-2.21	120.17	124.52
17	Z	846	BCR	C30-C25-C24	2.21	121.64	115.65
14	A	824	CLA	CBA-CAA-C2A	2.21	120.36	113.79
14	H	851	CLA	CHD-C1D-ND	-2.21	121.70	124.80
14	B	813	CLA	CMB-C2B-C1B	2.21	128.78	125.42
14	B	815	CLA	CMB-C2B-C1B	2.21	128.78	125.42
14	G	812	CLA	CHC-C1C-C2C	-2.21	120.68	126.95
14	G	841	CLA	C5-C3-C2	-2.21	116.21	121.17
17	R	102	BCR	C12-C13-C14	-2.21	115.54	119.01
14	B	834	CLA	C3C-C4C-NC	2.21	113.26	110.43
14	Z	827	CLA	CMB-C2B-C3B	2.21	131.74	126.55
14	B	802	CLA	C3C-C4C-NC	2.21	113.25	110.43
14	Y	810	CLA	CMC-C2C-C1C	2.21	128.48	125.03
14	A	803	CLA	CMA-C3A-C4A	2.20	117.70	111.77
17	G	849	BCR	C33-C5-C4	2.20	118.30	113.60
14	B	802	CLA	CAA-C2A-C3A	-2.20	107.04	113.00
14	B	812	CLA	C16-C17-C18	-2.20	106.10	115.94
14	A	815	CLA	C1-C2-C3	-2.20	123.20	126.76
14	f	102	CLA	O2D-CGD-O1D	-2.20	119.56	123.85
14	B	817	CLA	CMB-C2B-C3B	2.20	131.73	126.55
14	S	1101	CLA	CAC-C3C-C4C	2.20	127.66	124.79
14	d	201	CLA	CHB-C1B-C2B	-2.20	121.03	127.43
14	G	829	CLA	CHC-C1C-C2C	-2.20	120.69	126.95
14	B	806	CLA	C1D-CHD-C4C	-2.20	121.34	126.02
14	H	836	CLA	C1D-CHD-C4C	-2.20	121.34	126.02
14	G	809	CLA	C4-C3-C5	2.20	119.05	115.23
14	H	824	CLA	CHC-C4B-NB	2.20	127.35	124.05
14	G	834	CLA	CHD-C4C-C3C	-2.20	121.56	124.77
14	H	815	CLA	CAA-CBA-CGA	2.20	118.36	112.49
17	U	1005	BCR	C32-C1-C6	-2.20	106.79	110.24
14	A	810	CLA	CMB-C2B-C3B	2.20	131.73	126.55
17	M	101	BCR	C2-C3-C4	-2.20	106.44	111.28
14	F	202	CLA	C1D-CHD-C4C	-2.20	121.34	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	852	CLA	C1-O2A-CGA	2.20	121.98	116.65
14	G	835	CLA	CHB-C1B-C2B	-2.20	121.04	127.43
14	Z	817	CLA	CHB-C1B-C2B	-2.20	121.04	127.43
14	Z	810	CLA	CHD-C4C-C3C	-2.20	121.56	124.77
14	G	837	CLA	C6-C5-C3	-2.20	108.11	113.47
14	G	833	CLA	O2D-CGD-O1D	-2.20	119.56	123.85
14	G	834	CLA	CHB-C4A-NA	2.20	127.57	124.40
14	G	839	CLA	CMB-C2B-C1B	2.20	128.77	125.42
14	H	803	CLA	CAA-C2A-C1A	2.20	119.18	111.97
15	B	841	PQN	C2M-C2-C1	2.20	120.72	116.68
14	G	838	CLA	CMB-C2B-C3B	2.20	131.72	126.55
14	A	842	CLA	CHC-C1C-C2C	-2.20	120.70	126.95
14	A	826	CLA	CAA-CBA-CGA	-2.20	106.97	113.21
14	A	814	CLA	CMB-C2B-C1B	2.20	128.76	125.42
14	Y	812	CLA	C4D-C3D-CAD	2.20	110.49	108.11
14	X	1701	CLA	CHC-C1C-C2C	-2.20	120.71	126.95
14	G	833	CLA	C3B-C4B-NB	-2.20	108.57	110.53
17	R	102	BCR	C30-C25-C24	2.20	121.61	115.65
14	Y	836	CLA	CMB-C2B-C3B	2.20	131.71	126.55
14	Z	802	CLA	C1-C2-C3	-2.19	122.60	126.20
14	G	842	CLA	CMA-C3A-C4A	2.19	117.67	111.77
17	Z	844	BCR	C3-C4-C5	-2.19	110.14	114.06
14	Y	802	CLA	CGD-CBD-CAD	-2.19	103.74	110.85
14	Z	807	CLA	CHC-C1C-C2C	-2.19	120.71	126.95
14	G	825	CLA	C7-C6-C5	-2.19	107.42	113.26
14	Y	805	CLA	C4-C3-C5	2.19	119.04	115.23
14	Z	831	CLA	CHC-C1C-C2C	-2.19	120.71	126.95
14	S	1102	CLA	C4D-C3D-CAD	2.19	110.49	108.11
14	A	804	CLA	C3C-C4C-NC	2.19	113.24	110.43
14	B	810	CLA	O2A-C1-C2	2.19	116.54	108.11
14	H	823	CLA	C1-C2-C3	-2.19	122.61	126.20
14	B	822	CLA	CMD-C2D-C3D	-2.19	122.66	127.69
14	G	815	CLA	CHB-C4A-NA	2.19	127.56	124.40
14	A	832	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
14	H	813	CLA	CED-O2D-CGD	2.19	120.88	115.92
14	Y	811	CLA	CHB-C1B-C2B	-2.19	121.07	127.43
14	H	819	CLA	O2A-C1-C2	2.19	116.54	108.11
17	d	203	BCR	C24-C25-C26	-2.19	116.51	121.56
14	H	808	CLA	CMC-C2C-C1C	2.19	128.46	125.03
17	Z	848	BCR	C36-C18-C19	-2.19	114.74	118.09
14	d	202	CLA	C4D-C3D-CAD	2.19	110.48	108.11
14	B	837	CLA	CHB-C1B-C2B	-2.19	121.07	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	817	CLA	CHC-C1C-C2C	-2.19	120.73	126.95
15	G	843	PQN	C21-C20-C18	-2.19	108.69	115.97
14	Y	831	CLA	CHC-C1C-C2C	-2.19	120.73	126.95
14	A	810	CLA	C11-C12-C13	-2.19	108.69	115.97
14	G	823	CLA	C3C-C4C-NC	2.19	113.23	110.43
14	S	1103	CLA	CMB-C2B-C1B	2.19	128.75	125.42
14	Z	828	CLA	CMB-C2B-C1B	2.19	128.75	125.42
14	Y	805	CLA	CAC-C3C-C4C	2.19	127.64	124.79
14	Y	826	CLA	CBB-CAB-C3B	-2.19	116.60	127.53
17	R	102	BCR	C24-C25-C26	-2.19	116.52	121.56
17	G	846	BCR	C31-C1-C6	-2.19	106.81	110.24
14	B	822	CLA	C1-O2A-CGA	2.19	121.94	116.65
14	A	806	CLA	CMC-C2C-C3C	2.19	132.06	126.15
17	H	847	BCR	C38-C26-C25	-2.19	122.10	124.48
14	G	820	CLA	C1D-CHD-C4C	-2.19	121.37	126.02
14	H	806	CLA	CBB-CAB-C3B	-2.19	116.61	127.53
14	B	811	CLA	CHB-C4A-NA	2.18	127.55	124.40
14	Z	832	CLA	CHB-C4A-NA	2.18	127.55	124.40
14	Z	810	CLA	O2A-C1-C2	2.18	116.52	108.11
14	H	832	CLA	CHC-C1C-C2C	-2.18	120.74	126.95
14	g	101	CLA	C4D-C3D-CAD	2.18	110.42	107.69
14	G	852	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
14	B	808	CLA	CAA-C2A-C1A	2.18	119.13	111.97
14	B	811	CLA	CMC-C2C-C3C	2.18	132.06	126.15
19	H	848	LMG	O3-C3-C4	-2.18	105.23	110.38
14	A	833	CLA	CHB-C4A-NA	2.18	127.55	124.40
14	h	204	CLA	CHD-C4C-C3C	-2.18	121.59	124.77
14	T	101	CLA	CHC-C1C-C2C	-2.18	120.75	126.95
14	F	202	CLA	CMB-C2B-C3B	2.18	131.68	126.55
14	Y	834	CLA	CHB-C1B-C2B	-2.18	121.09	127.43
14	H	835	CLA	CHB-C1B-C2B	-2.18	121.10	127.43
14	B	810	CLA	CMD-C2D-C3D	-2.18	122.69	127.69
14	Y	811	CLA	CHC-C1C-C2C	-2.18	120.75	126.95
14	h	204	CLA	C3D-C4D-ND	2.18	113.53	109.99
13	Y	801	CL0	C1-C2-C3	-2.18	122.62	126.20
14	G	803	CLA	C1D-CHD-C4C	-2.18	121.39	126.02
14	Y	806	CLA	C1D-CHD-C4C	-2.18	121.39	126.02
14	H	825	CLA	CMB-C2B-C1B	2.18	128.74	125.42
14	H	809	CLA	O2A-C1-C2	2.18	116.50	108.11
14	H	805	CLA	O1D-CGD-CBD	-2.18	120.22	124.52
14	H	820	CLA	CHD-C4C-C3C	-2.18	121.60	124.77
18	H	849	LHG	O8-C23-C24	2.18	118.48	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	803	CLA	CBA-CAA-C2A	-2.18	107.31	113.79
14	H	810	CLA	CHB-C4A-NA	2.18	127.54	124.40
13	G	801	CL0	CMB-C2B-C1B	2.18	128.74	125.42
14	H	836	CLA	C1-C2-C3	-2.18	122.63	126.20
14	F	202	CLA	C3D-C4D-ND	2.18	113.53	109.99
13	G	801	CL0	CHA-C1A-NA	-2.18	121.46	126.39
14	H	809	CLA	OBD-CAD-C3D	-2.18	123.33	128.42
14	G	831	CLA	C3D-C4D-ND	2.18	113.53	109.99
14	Y	823	CLA	CBA-CAA-C2A	2.18	120.27	113.79
14	Y	810	CLA	OBD-CAD-C3D	-2.18	123.33	128.42
14	Y	836	CLA	CMD-C2D-C3D	-2.18	122.70	127.69
14	G	841	CLA	O2D-CGD-O1D	-2.18	119.61	123.85
14	Z	834	CLA	CAC-C3C-C4C	2.18	127.62	124.79
14	G	815	CLA	CHB-C1B-C2B	-2.18	121.11	127.43
14	G	817	CLA	CHB-C1B-C2B	-2.18	121.11	127.43
14	A	820	CLA	C4D-C3D-CAD	2.18	110.47	108.11
14	A	813	CLA	CHD-C1D-ND	-2.18	121.74	124.80
14	B	814	CLA	CHC-C1C-C2C	-2.18	120.77	126.95
14	G	841	CLA	CHD-C4C-C3C	-2.17	121.60	124.77
14	A	819	CLA	CED-O2D-CGD	2.17	120.85	115.92
14	G	827	CLA	CHD-C4C-C3C	-2.17	121.61	124.77
14	G	812	CLA	C1-O2A-CGA	2.17	121.91	116.65
14	B	812	CLA	CMD-C2D-C3D	-2.17	122.71	127.69
14	Z	804	CLA	CHB-C4A-NA	2.17	127.53	124.40
14	G	839	CLA	OBD-CAD-C3D	-2.17	123.34	128.42
14	Y	816	CLA	CHC-C1C-C2C	-2.17	120.78	126.95
14	A	827	CLA	CAA-C2A-C1A	-2.17	104.86	111.97
14	A	809	CLA	C3C-C4C-NC	2.17	113.21	110.43
14	Y	806	CLA	CMC-C2C-C1C	2.17	128.43	125.03
14	A	822	CLA	CMD-C2D-C3D	-2.17	122.71	127.69
14	A	805	CLA	C1-C2-C3	-2.17	122.64	126.20
14	A	826	CLA	C3C-C4C-NC	2.17	113.21	110.43
14	A	807	CLA	CED-O2D-CGD	2.17	120.84	115.92
14	H	851	CLA	CMB-C2B-C3B	2.17	131.66	126.55
17	S	1105	BCR	C38-C26-C25	-2.17	122.12	124.48
14	h	204	CLA	CHB-C4A-NA	2.17	127.53	124.40
14	h	204	CLA	C1D-CHD-C4C	-2.17	121.41	126.02
17	H	846	BCR	C36-C18-C19	-2.17	114.77	118.09
17	A	846	BCR	C7-C8-C9	-2.17	123.03	126.23
14	H	831	CLA	CAA-C2A-C1A	-2.17	104.87	111.97
14	B	811	CLA	CHB-C1B-C2B	-2.17	121.13	127.43
14	Z	809	CLA	O2D-CGD-O1D	-2.17	119.63	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	832	CLA	O1D-CGD-CBD	-2.17	120.24	124.52
14	B	827	CLA	CHB-C1B-C2B	-2.17	121.14	127.43
14	d	201	CLA	C1D-CHD-C4C	-2.17	121.41	126.02
14	B	808	CLA	C4B-C3B-C2B	-2.17	104.61	107.30
14	K	102	CLA	CMB-C2B-C1B	2.17	128.72	125.42
14	Y	820	CLA	O2D-CGD-O1D	-2.17	119.63	123.85
14	Y	822	CLA	C1-C2-C3	-2.17	122.65	126.20
14	G	853	CLA	C3C-C4C-NC	2.17	113.20	110.43
14	G	813	CLA	CAC-C3C-C4C	2.17	127.61	124.79
14	Y	814	CLA	O2D-CGD-O1D	-2.17	119.63	123.85
14	H	808	CLA	CBB-CAB-C3B	-2.17	116.70	127.53
14	Z	811	CLA	CHD-C1D-ND	-2.17	121.75	124.80
17	Z	845	BCR	C15-C14-C13	-2.16	124.24	127.28
14	Z	821	CLA	CHB-C4A-NA	2.16	127.52	124.40
14	H	833	CLA	CAC-C3C-C4C	2.16	127.61	124.79
14	Z	821	CLA	CBA-CAA-C2A	2.16	120.23	113.79
14	L	202	CLA	CHA-C4D-ND	2.16	137.01	132.55
14	d	201	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	H	829	CLA	CMC-C2C-C3C	2.16	132.00	126.15
14	G	808	CLA	C1-O2A-CGA	2.16	121.89	116.65
14	G	836	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
14	Z	838	CLA	OBD-CAD-C3D	-2.16	123.36	128.42
14	Y	808	CLA	C4C-C3C-C2C	-2.16	103.74	106.89
14	A	827	CLA	O2A-C1-C2	2.16	116.43	108.11
14	Y	824	CLA	CMB-C2B-C3B	2.16	131.64	126.55
14	B	808	CLA	C3D-C4D-ND	2.16	113.50	109.99
14	B	808	CLA	C11-C10-C8	-2.16	108.78	115.97
14	A	838	CLA	C5-C3-C4	2.16	119.56	114.59
14	B	831	CLA	CHC-C1C-C2C	-2.16	120.80	126.95
14	Z	811	CLA	C4C-C3C-C2C	-2.16	103.75	106.89
14	H	824	CLA	C3C-C4C-NC	2.16	113.20	110.43
14	G	809	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	Y	833	CLA	O1D-CGD-CBD	-2.16	120.25	124.52
14	Y	802	CLA	O2A-C1-C2	2.16	116.42	108.11
14	L	206	CLA	CHD-C4C-C3C	-2.16	121.62	124.77
14	G	829	CLA	O1D-CGD-CBD	-2.16	120.26	124.52
17	U	1005	BCR	C2-C1-C6	2.16	113.58	110.44
14	G	842	CLA	CMD-C2D-C3D	-2.16	122.73	127.69
14	U	1004	CLA	CHB-C1B-C2B	-2.16	121.16	127.43
14	Z	816	CLA	CMB-C2B-C1B	2.16	128.71	125.42
14	Y	802	CLA	CHD-C1D-ND	-2.16	121.76	124.80
17	M	101	BCR	C8-C9-C10	-2.16	115.61	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	813	CLA	CMA-C3A-C4A	2.16	117.58	111.77
14	Y	820	CLA	CHC-C1C-C2C	-2.16	120.81	126.95
14	J	101	CLA	C3C-C4C-NC	2.16	113.19	110.43
14	B	840	CLA	C4C-C3C-C2C	-2.16	103.75	106.89
17	H	845	BCR	C38-C26-C25	-2.16	122.13	124.48
17	h	202	BCR	C29-C28-C27	2.16	116.02	111.28
14	Z	833	CLA	CHC-C1C-C2C	-2.16	120.82	126.95
14	J	102	CLA	CHB-C1B-C2B	-2.16	121.16	127.43
14	g	102	CLA	CHC-C1C-C2C	-2.16	120.82	126.95
14	H	801	CLA	CMA-C3A-C4A	2.16	117.57	111.77
17	U	1009	BCR	C28-C27-C26	-2.16	110.21	114.06
14	H	837	CLA	CED-O2D-CGD	2.16	120.81	115.92
14	H	827	CLA	C3B-C4B-NB	-2.16	108.61	110.53
14	A	821	CLA	CHA-C1A-NA	-2.16	121.51	126.39
14	J	102	CLA	CHB-C4A-NA	2.16	127.51	124.40
14	B	803	CLA	CMB-C2B-C3B	2.16	131.62	126.55
14	G	827	CLA	CED-O2D-CGD	2.15	120.80	115.92
14	H	816	CLA	CHC-C1C-C2C	-2.15	120.83	126.95
14	G	826	CLA	CMC-C2C-C3C	2.15	131.98	126.15
17	Z	850	BCR	C7-C8-C9	-2.15	123.05	126.23
17	H	850	BCR	C38-C26-C27	2.15	118.19	113.60
14	h	206	CLA	O1D-CGD-CBD	-2.15	120.27	124.52
14	Z	837	CLA	CHB-C1B-C2B	-2.15	121.18	127.43
14	B	808	CLA	O2A-C1-C2	2.15	116.39	108.11
14	A	839	CLA	CMD-C2D-C3D	-2.15	122.75	127.69
14	Z	832	CLA	CMB-C2B-C3B	2.15	131.61	126.55
14	B	817	CLA	O1D-CGD-CBD	-2.15	120.28	124.52
14	B	831	CLA	CMC-C2C-C3C	2.15	131.97	126.15
17	H	844	BCR	C29-C30-C25	2.15	113.56	110.44
14	B	813	CLA	CHC-C1C-C2C	-2.15	120.84	126.95
14	H	812	CLA	C3C-C4C-NC	2.15	113.19	110.43
14	G	822	CLA	CHB-C4A-NA	2.15	127.50	124.40
14	G	829	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	Y	803	CLA	CMA-C3A-C4A	2.15	117.55	111.77
17	A	849	BCR	C1-C6-C5	-2.15	119.70	122.64
17	U	1009	BCR	C30-C25-C26	-2.15	119.70	122.64
14	Y	823	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	B	829	CLA	CMA-C3A-C4A	2.15	117.55	111.77
14	A	829	CLA	CMA-C3A-C4A	2.15	117.55	111.77
17	f	103	BCR	C7-C8-C9	-2.15	123.06	126.23
17	U	1009	BCR	C8-C7-C6	-2.15	121.26	127.00
14	B	810	CLA	C1-C2-C3	-2.15	122.68	126.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	831	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	Y	820	CLA	C3C-C4C-NC	2.15	113.18	110.43
14	G	807	CLA	CMC-C2C-C1C	2.15	128.39	125.03
14	U	1006	CLA	C1D-CHD-C4C	-2.15	121.45	126.02
14	H	826	CLA	CHB-C1B-C2B	-2.15	121.19	127.43
14	G	806	CLA	C6-C7-C8	-2.15	108.83	115.97
14	H	834	CLA	OBD-CAD-C3D	-2.15	123.40	128.42
14	H	822	CLA	CHC-C1C-C2C	-2.15	120.85	126.95
14	H	818	CLA	CMD-C2D-C3D	-2.15	122.77	127.69
14	G	820	CLA	CHB-C1B-C2B	-2.15	121.19	127.43
14	G	837	CLA	CMB-C2B-C3B	2.15	131.60	126.55
14	J	102	CLA	CMB-C2B-C1B	2.15	128.69	125.42
14	G	841	CLA	O2A-C1-C2	2.15	116.36	108.11
14	Y	830	CLA	CHC-C1C-C2C	-2.15	120.85	126.95
14	H	806	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	G	814	CLA	CMB-C2B-C1B	2.14	128.69	125.42
14	A	841	CLA	CHB-C1B-C2B	-2.14	121.20	127.43
14	H	827	CLA	CMB-C2B-C3B	2.14	131.59	126.55
14	G	818	CLA	CHB-C4A-NA	2.14	127.50	124.40
14	H	803	CLA	C11-C10-C8	-2.14	108.84	115.97
15	G	843	PQN	O1-C1-C10	-2.14	118.14	121.57
17	d	203	BCR	C30-C25-C24	2.14	121.47	115.65
14	G	825	CLA	CMD-C2D-C3D	-2.14	122.77	127.69
14	G	830	CLA	CHB-C4A-NA	2.14	127.49	124.40
14	L	205	CLA	CMB-C2B-C3B	2.14	131.59	126.55
14	H	820	CLA	O2D-CGD-O1D	-2.14	119.67	123.85
14	A	827	CLA	CAC-C3C-C4C	2.14	127.58	124.79
14	H	809	CLA	O2D-CGD-CBD	2.14	114.98	111.23
14	Y	827	CLA	CAA-CBA-CGA	-2.14	107.12	113.21
14	L	204	CLA	CMB-C2B-C3B	2.14	131.59	126.55
14	G	840	CLA	O1D-CGD-CBD	-2.14	120.29	124.52
17	S	1105	BCR	C37-C22-C21	-2.14	119.35	122.82
14	U	1002	CLA	C4C-C3C-C2C	-2.14	103.77	106.89
14	H	812	CLA	CHB-C1B-C2B	-2.14	121.21	127.43
17	L	208	BCR	C23-C24-C25	-2.14	121.28	127.00
14	H	832	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	Y	818	CLA	O1D-CGD-CBD	-2.14	120.29	124.52
14	A	834	CLA	O2D-CGD-O1D	-2.14	119.68	123.85
17	f	103	BCR	C23-C24-C25	-2.14	121.28	127.00
14	H	822	CLA	CMA-C3A-C4A	2.14	117.53	111.77
14	H	805	CLA	CBC-CAC-C3C	-2.14	106.62	112.42
14	B	806	CLA	C4D-C3D-CAD	2.14	110.43	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	810	CLA	C4D-C3D-CAD	2.14	110.43	108.11
14	B	809	CLA	CHD-C1D-C2D	-2.14	121.04	125.49
14	Z	812	CLA	C1-C2-C3	-2.14	122.69	126.20
14	G	814	CLA	CHB-C1B-C2B	-2.14	121.22	127.43
13	A	801	CL0	CHC-C1C-C2C	-2.14	120.87	126.95
14	A	829	CLA	C4C-C3C-C2C	-2.14	103.78	106.89
14	A	843	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
14	H	827	CLA	CHC-C4B-NB	2.14	127.26	124.05
14	B	827	CLA	C1D-CHD-C4C	-2.14	121.48	126.02
14	U	1007	CLA	CHC-C1C-C2C	-2.14	120.87	126.95
19	B	848	LMG	C19-C18-C17	2.14	125.17	114.37
14	Z	837	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
14	B	831	CLA	CHC-C4B-NB	2.14	127.25	124.05
14	B	837	CLA	CHB-C4A-NA	2.14	127.48	124.40
14	Z	841	CLA	CMD-C2D-C3D	-2.14	122.79	127.69
14	B	838	CLA	C3B-C4B-NB	-2.14	108.62	110.53
14	Z	802	CLA	O2D-CGD-O1D	-2.13	119.69	123.85
14	G	807	CLA	CGD-CBD-CAD	-2.13	103.94	110.85
14	B	825	CLA	CMB-C2B-C3B	2.13	131.57	126.55
14	B	806	CLA	C6-C7-C8	-2.13	108.87	115.97
14	g	102	CLA	C4C-C3C-C2C	-2.13	103.79	106.89
14	B	802	CLA	CHC-C1C-C2C	-2.13	120.89	126.95
14	Y	819	CLA	CAA-C2A-C1A	-2.13	104.99	111.97
14	h	205	CLA	CHC-C4B-NB	2.13	127.25	124.05
14	H	814	CLA	CMB-C2B-C3B	2.13	131.56	126.55
14	Y	821	CLA	C4C-C3C-C2C	-2.13	103.79	106.89
14	Y	837	CLA	CHC-C4B-NB	2.13	127.25	124.05
14	Z	809	CLA	C1D-CHD-C4C	-2.13	121.49	126.02
14	A	824	CLA	CHB-C1B-C2B	-2.13	121.24	127.43
14	A	819	CLA	CHD-C4C-C3C	-2.13	121.67	124.77
17	G	849	BCR	C24-C25-C26	-2.13	116.65	121.56
14	B	804	CLA	O2A-C1-C2	2.13	116.30	108.11
14	H	825	CLA	CHB-C1B-C2B	-2.13	121.25	127.43
17	H	847	BCR	C29-C30-C25	2.13	113.53	110.44
14	L	206	CLA	CMB-C2B-C1B	2.13	128.66	125.42
14	A	806	CLA	C1D-CHD-C4C	-2.13	121.49	126.02
14	J	101	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	G	827	CLA	C4C-C3C-C2C	-2.13	103.79	106.89
14	F	202	CLA	CHD-C1D-ND	-2.13	121.81	124.80
14	Q	202	CLA	CAC-C3C-C4C	2.13	127.56	124.79
14	G	802	CLA	C1D-CHD-C4C	-2.13	121.50	126.02
14	G	819	CLA	CHB-C4A-NA	2.13	127.47	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	804	CLA	CMD-C2D-C3D	-2.13	122.81	127.69
14	L	204	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	J	102	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	Y	834	CLA	CHC-C1C-C2C	-2.13	120.90	126.95
14	Y	814	CLA	CMB-C2B-C3B	2.13	131.55	126.55
14	Y	834	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
14	G	819	CLA	CMC-C2C-C3C	2.13	131.90	126.15
14	Y	827	CLA	C1D-CHD-C4C	-2.13	121.50	126.02
17	F	201	BCR	C30-C25-C26	-2.13	119.73	122.64
14	A	839	CLA	C4-C3-C5	2.13	118.92	115.23
14	G	815	CLA	CGD-CBD-CAD	-2.13	103.96	110.85
14	H	808	CLA	C1-O2A-CGA	2.13	121.80	116.65
14	B	805	CLA	C1D-CHD-C4C	-2.13	121.50	126.02
14	Z	803	CLA	CHC-C1C-C2C	-2.12	120.91	126.95
14	Z	827	CLA	CMC-C2C-C3C	2.12	131.90	126.15
14	B	831	CLA	C2B-C1B-NB	2.12	112.53	110.33
14	G	836	CLA	CHB-C1B-C2B	-2.12	121.26	127.43
14	G	838	CLA	CMC-C2C-C3C	2.12	131.89	126.15
14	Z	801	CLA	CGD-CBD-CAD	2.12	117.72	110.85
14	A	841	CLA	C1-C2-C3	-2.12	122.72	126.20
14	G	833	CLA	CMC-C2C-C1C	2.12	128.35	125.03
14	A	828	CLA	CHB-C4A-NA	2.12	127.46	124.40
14	h	204	CLA	CHB-C1B-C2B	-2.12	121.27	127.43
14	Y	818	CLA	C1D-CHD-C4C	-2.12	121.51	126.02
14	H	809	CLA	CAA-C2A-C1A	2.12	118.93	111.97
14	A	841	CLA	CHD-C4C-C3C	-2.12	121.68	124.77
14	Y	802	CLA	C6-C7-C8	-2.12	108.91	115.97
14	G	808	CLA	C1-C2-C3	-2.12	122.72	126.20
14	H	811	CLA	CMD-C2D-C3D	-2.12	122.82	127.69
14	H	829	CLA	CMC-C2C-C1C	2.12	128.35	125.03
14	G	833	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
14	H	837	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
14	A	804	CLA	CHB-C4A-NA	2.12	127.46	124.40
17	Z	843	BCR	C12-C13-C14	2.12	122.34	119.01
14	H	805	CLA	O2A-C1-C2	2.12	116.26	108.11
14	A	833	CLA	C3C-C4C-NC	2.12	113.14	110.43
14	L	206	CLA	CHB-C1B-C2B	-2.12	121.28	127.43
14	Y	808	CLA	O2A-C1-C2	2.12	116.26	108.11
14	Y	835	CLA	C1D-CHD-C4C	-2.12	121.52	126.02
17	Y	849	BCR	C27-C26-C25	-2.12	119.84	122.70
17	B	847	BCR	C35-C13-C14	-2.12	119.38	122.82
14	A	831	CLA	C4D-C3D-CAD	2.12	110.41	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	f	101	CLA	CMD-C2D-C3D	-2.12	122.83	127.69
18	Y	850	LHG	O8-C6-C5	2.12	114.50	108.40
17	B	844	BCR	C29-C30-C25	2.12	113.51	110.44
14	G	817	CLA	CMB-C2B-C3B	2.12	131.53	126.55
14	B	830	CLA	CED-O2D-CGD	2.12	120.72	115.92
14	L	204	CLA	CHB-C4A-NA	2.12	127.45	124.40
14	H	804	CLA	CHD-C4C-C3C	-2.12	121.69	124.77
17	H	842	BCR	C2-C1-C6	2.12	113.51	110.44
14	A	818	CLA	CED-O2D-CGD	2.12	120.71	115.92
14	G	817	CLA	CHC-C1C-C2C	-2.12	120.94	126.95
14	A	828	CLA	C1D-CHD-C4C	-2.12	121.52	126.02
14	H	821	CLA	O2D-CGD-O1D	-2.11	119.73	123.85
14	Y	815	CLA	CHB-C4A-NA	2.11	127.45	124.40
15	A	844	PQN	C26-C25-C23	-2.11	108.94	115.97
14	A	843	CLA	CED-O2D-CGD	2.11	120.71	115.92
14	J	102	CLA	CHC-C1C-C2C	-2.11	120.94	126.95
14	H	820	CLA	CMC-C2C-C1C	2.11	128.34	125.03
14	Z	836	CLA	C1D-CHD-C4C	-2.11	121.53	126.02
14	h	201	CLA	CHC-C1C-C2C	-2.11	120.94	126.95
14	A	832	CLA	CMD-C2D-C3D	-2.11	122.85	127.69
14	Z	814	CLA	CHA-C4D-ND	2.11	136.91	132.55
15	Y	842	PQN	C2M-C2-C3	-2.11	120.98	124.45
14	G	807	CLA	CHB-C1B-C2B	-2.11	121.30	127.43
14	G	814	CLA	C3C-C4C-NC	2.11	113.13	110.43
14	h	201	CLA	CMD-C2D-C3D	-2.11	122.85	127.69
14	G	814	CLA	C3D-C4D-ND	2.11	113.42	109.99
14	H	811	CLA	CAC-C3C-C4C	2.11	127.53	124.79
14	Z	826	CLA	CED-O2D-CGD	2.11	120.70	115.92
14	A	843	CLA	O2A-C1-C2	2.11	116.22	108.11
14	B	802	CLA	CMB-C2B-C1B	2.11	128.63	125.42
14	B	834	CLA	CHB-C4A-NA	2.11	127.44	124.40
14	Y	838	CLA	CBC-CAC-C3C	-2.11	106.70	112.42
14	Z	809	CLA	C3C-C4C-NC	2.11	113.13	110.43
14	G	827	CLA	C3B-C4B-NB	-2.11	108.65	110.53
14	Z	821	CLA	CMB-C2B-C3B	2.11	131.51	126.55
14	Y	833	CLA	CHB-C4A-NA	2.11	127.44	124.40
14	H	813	CLA	CMC-C2C-C1C	2.11	128.33	125.03
14	Y	829	CLA	CED-O2D-CGD	2.11	120.69	115.92
14	Y	832	CLA	CAA-CBA-CGA	-2.11	107.23	113.21
14	H	815	CLA	CHB-C4A-NA	2.11	127.44	124.40
14	Z	815	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	H	825	CLA	C1D-CHD-C4C	-2.10	121.55	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	816	CLA	CHB-C4A-NA	2.10	127.44	124.40
14	Z	830	CLA	CMC-C2C-C3C	2.10	131.84	126.15
14	S	1102	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	G	837	CLA	C4D-C3D-CAD	2.10	110.39	108.11
17	H	844	BCR	C7-C8-C9	-2.10	123.12	126.23
14	Z	826	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	K	101	CLA	CHC-C1C-C2C	-2.10	120.97	126.95
14	Y	802	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
14	Y	821	CLA	CHB-C1B-C2B	-2.10	121.32	127.43
14	Z	812	CLA	CHB-C1B-C2B	-2.10	121.33	127.43
14	Y	809	CLA	CMD-C2D-C3D	-2.10	122.87	127.69
14	L	206	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	Z	808	CLA	CED-O2D-CGD	2.10	120.68	115.92
14	H	811	CLA	CHA-C1A-NA	-2.10	121.63	126.39
14	G	853	CLA	CHB-C1B-C2B	-2.10	121.33	127.43
14	B	839	CLA	C4D-CHA-C1A	2.10	123.75	121.24
14	h	205	CLA	CAA-C2A-C1A	-2.10	105.09	111.97
14	A	841	CLA	CMC-C2C-C3C	2.10	131.83	126.15
14	A	809	CLA	CAC-C3C-C4C	2.10	127.52	124.79
14	G	809	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	Z	818	CLA	CMB-C2B-C3B	2.10	131.49	126.55
14	X	1701	CLA	CMD-C2D-C3D	-2.10	122.87	127.69
14	B	826	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	G	841	CLA	CMA-C3A-C4A	2.10	117.42	111.77
14	B	812	CLA	C2B-C1B-NB	2.10	112.50	110.33
14	A	832	CLA	C3B-C4B-NB	-2.10	108.66	110.53
14	H	830	CLA	CHC-C1C-C2C	-2.10	120.98	126.95
17	h	202	BCR	C31-C1-C6	-2.10	106.95	110.24
14	A	810	CLA	CED-O2D-CGD	2.10	120.68	115.92
14	A	806	CLA	CHB-C4A-NA	2.10	127.43	124.40
14	L	206	CLA	CBA-CAA-C2A	-2.10	107.55	113.79
14	B	839	CLA	O1D-CGD-CBD	-2.10	120.38	124.52
14	A	803	CLA	CHB-C4A-NA	2.10	127.43	124.40
13	Y	801	CL0	CED-O2D-CGD	2.10	120.67	115.92
14	G	817	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	G	834	CLA	CBC-CAC-C3C	-2.10	106.73	112.42
14	H	825	CLA	C3D-C4D-ND	2.10	113.40	109.99
14	G	833	CLA	C3C-C4C-NC	2.10	113.12	110.43
14	g	102	CLA	CHB-C1B-C2B	-2.10	121.34	127.43
14	h	206	CLA	CHD-C4C-C3C	-2.10	121.72	124.77
14	G	839	CLA	CAC-C3C-C4C	2.10	127.52	124.79
14	j	102	CLA	C2B-C1B-NB	2.10	112.50	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	828	CLA	C1D-CHD-C4C	-2.10	121.57	126.02
14	U	1007	CLA	CHD-C1D-ND	-2.10	121.85	124.80
17	h	207	BCR	C37-C22-C23	2.09	121.29	118.09
17	S	1105	BCR	C33-C5-C4	2.09	118.06	113.60
14	Z	834	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	H	832	CLA	C3C-C4C-NC	2.09	113.11	110.43
14	Z	824	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
14	A	805	CLA	CHA-C1A-NA	-2.09	121.65	126.39
14	Z	824	CLA	CHA-C1A-NA	-2.09	121.65	126.39
14	B	818	CLA	CHB-C1B-C2B	-2.09	121.35	127.43
14	H	804	CLA	CAA-C2A-C1A	-2.09	105.11	111.97
14	H	840	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
14	Z	809	CLA	CHD-C4C-C3C	-2.09	121.72	124.77
14	A	807	CLA	CHC-C1C-C2C	-2.09	121.00	126.95
14	A	843	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
14	Y	821	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	Z	829	CLA	C4C-C3C-C2C	-2.09	103.85	106.89
14	A	824	CLA	CMA-C3A-C4A	2.09	117.40	111.77
17	Q	201	BCR	C23-C24-C25	-2.09	121.41	127.00
14	H	808	CLA	C2A-C3A-C4A	-2.09	98.49	101.87
14	H	801	CLA	O2D-CGD-O1D	-2.09	119.78	123.85
17	U	1008	BCR	C38-C26-C25	-2.09	122.20	124.48
14	Z	828	CLA	CBB-CAB-C3B	-2.09	117.08	127.53
14	Y	825	CLA	C1D-CHD-C4C	-2.09	121.58	126.02
14	H	815	CLA	CBC-CAC-C3C	-2.09	106.75	112.42
14	Z	836	CLA	CHD-C4C-C3C	-2.09	121.73	124.77
14	S	1103	CLA	CHB-C4A-NA	2.09	127.42	124.40
14	Z	837	CLA	CAC-C3C-C2C	2.09	131.40	127.56
14	d	201	CLA	CHC-C1C-C2C	-2.09	121.01	126.95
14	H	831	CLA	O2D-CGD-O1D	-2.09	119.78	123.85
17	Y	846	BCR	C3-C4-C5	-2.09	110.33	114.06
14	G	841	CLA	C1-C2-C3	-2.09	122.78	126.20
17	Y	845	BCR	C39-C30-C25	-2.09	106.97	110.24
14	A	822	CLA	CHB-C4A-NA	2.09	127.41	124.40
14	Y	806	CLA	CMB-C2B-C3B	2.09	131.46	126.55
14	A	813	CLA	C2B-C1B-NB	2.09	112.49	110.33
14	B	836	CLA	CBA-CAA-C2A	-2.09	107.58	113.79
17	U	1008	BCR	C38-C26-C27	2.09	118.05	113.60
14	B	821	CLA	O2A-C1-C2	2.09	116.14	108.11
14	B	822	CLA	CMB-C2B-C1B	2.09	128.60	125.42
14	B	807	CLA	C1-O2A-CGA	2.09	121.70	116.65
17	R	101	BCR	C29-C30-C25	2.09	113.47	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	820	CLA	CHB-C4A-NA	2.09	127.41	124.40
14	G	832	CLA	C3C-C4C-NC	2.09	113.10	110.43
14	B	805	CLA	CHB-C1B-C2B	-2.09	121.37	127.43
14	S	1101	CLA	CMC-C2C-C1C	2.09	128.29	125.03
14	H	801	CLA	CAA-CBA-CGA	-2.09	107.29	113.21
14	G	836	CLA	O2D-CGD-O1D	-2.09	119.79	123.85
14	B	831	CLA	C16-C15-C13	-2.08	109.03	115.97
14	A	816	CLA	CAA-C2A-C3A	-2.08	107.36	113.00
14	B	816	CLA	C3B-C4B-NB	-2.08	108.67	110.53
17	A	851	BCR	C2-C3-C4	-2.08	106.69	111.28
14	A	833	CLA	O1D-CGD-CBD	-2.08	120.41	124.52
14	Y	807	CLA	C3C-C4C-NC	2.08	113.10	110.43
17	T	102	BCR	C2-C1-C6	2.08	113.47	110.44
14	G	842	CLA	C3C-C4C-NC	2.08	113.10	110.43
14	Y	802	CLA	CMD-C2D-C3D	-2.08	122.91	127.69
14	H	823	CLA	CMC-C2C-C1C	2.08	128.29	125.03
14	B	830	CLA	CMD-C2D-C3D	-2.08	122.91	127.69
17	H	850	BCR	C8-C7-C6	-2.08	121.44	127.00
14	G	829	CLA	C1D-CHD-C4C	-2.08	121.59	126.02
14	H	819	CLA	CHC-C1C-C2C	-2.08	121.03	126.95
14	Z	811	CLA	CAC-C3C-C4C	2.08	127.50	124.79
14	Y	825	CLA	O2A-C1-C2	2.08	116.11	108.11
14	G	826	CLA	CAA-C2A-C3A	-2.08	107.38	113.00
14	Z	839	CLA	CMC-C2C-C1C	2.08	128.28	125.03
14	G	821	CLA	C3C-C4C-NC	2.08	113.09	110.43
14	G	827	CLA	CHB-C4A-NA	2.08	127.40	124.40
14	A	820	CLA	CHC-C1C-C2C	-2.08	121.04	126.95
14	Z	809	CLA	CED-O2D-CGD	2.08	120.63	115.92
15	G	843	PQN	C14-C13-C15	2.08	118.83	115.23
14	Z	822	CLA	CMB-C2B-C3B	2.08	131.44	126.55
17	B	844	BCR	C23-C22-C21	-2.08	115.74	119.01
14	A	802	CLA	CBB-CAB-C3B	-2.08	117.15	127.53
14	Z	831	CLA	CHD-C4C-C3C	-2.08	121.75	124.77
17	Z	846	BCR	C30-C25-C26	-2.08	119.80	122.64
14	Z	805	CLA	CMD-C2D-C3D	-2.08	122.93	127.69
14	H	806	CLA	CAC-C3C-C4C	2.07	127.49	124.79
14	B	831	CLA	C1D-CHD-C4C	-2.07	121.61	126.02
14	Z	802	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
14	G	810	CLA	C3C-C4C-NC	2.07	113.09	110.43
14	G	818	CLA	CMB-C2B-C1B	2.07	128.58	125.42
17	i	101	BCR	C1-C6-C5	-2.07	119.80	122.64
14	S	1101	CLA	CHB-C4A-NA	2.07	127.39	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	Z	845	BCR	C34-C9-C8	2.07	121.25	118.09
14	Z	832	CLA	C4C-C3C-C2C	-2.07	103.87	106.89
17	Z	844	BCR	C29-C28-C27	2.07	115.83	111.28
14	A	824	CLA	C3C-C4C-NC	2.07	113.08	110.43
14	B	803	CLA	CMA-C3A-C4A	2.07	117.34	111.77
14	Y	810	CLA	CHD-C4C-C3C	-2.07	121.75	124.77
14	K	102	CLA	CAA-C2A-C3A	-2.07	107.40	113.00
17	Z	847	BCR	C29-C30-C25	-2.07	107.43	110.44
14	H	819	CLA	CHB-C1B-C2B	-2.07	121.41	127.43
14	d	201	CLA	CAA-CBA-CGA	-2.07	107.33	113.21
17	F	203	BCR	C7-C8-C9	-2.07	123.17	126.23
14	Z	813	CLA	CAA-C2A-C3A	-2.07	107.40	113.00
14	A	815	CLA	CHA-C1A-NA	-2.07	121.70	126.39
17	J	103	BCR	C23-C24-C25	-2.07	121.47	127.00
14	A	827	CLA	O2D-CGD-O1D	-2.07	119.82	123.85
14	U	1007	CLA	CHD-C4C-C3C	-2.07	121.75	124.77
14	Z	818	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
14	A	817	CLA	CHB-C4A-NA	2.07	127.39	124.40
14	Z	839	CLA	CHB-C4A-NA	2.07	127.39	124.40
14	Y	827	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
14	B	811	CLA	C1-O2A-CGA	2.07	121.66	116.65
14	A	816	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
14	Y	812	CLA	CAC-C3C-C4C	2.07	127.48	124.79
14	A	815	CLA	CMB-C2B-C1B	2.07	128.57	125.42
14	B	812	CLA	CMB-C2B-C1B	2.07	128.57	125.42
14	B	806	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
14	Y	810	CLA	CHC-C1C-C2C	-2.07	121.07	126.95
14	H	813	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
14	d	201	CLA	C4D-C3D-CAD	2.07	110.35	108.11
14	f	101	CLA	CMA-C3A-C4A	2.07	117.33	111.77
17	U	1005	BCR	C2-C3-C4	-2.07	106.73	111.28
14	H	819	CLA	CMB-C2B-C3B	2.07	131.41	126.55
14	Y	829	CLA	CHB-C1B-C2B	-2.07	121.42	127.43
14	A	809	CLA	CHB-C4A-NA	2.07	127.38	124.40
14	H	821	CLA	CHB-C4A-NA	2.07	127.38	124.40
17	R	101	BCR	C4-C5-C6	-2.07	119.91	122.70
14	Z	807	CLA	CHB-C4A-NA	2.07	127.38	124.40
14	B	807	CLA	CMB-C2B-C1B	2.07	128.56	125.42
17	H	842	BCR	C38-C26-C27	2.07	118.00	113.60
14	A	842	CLA	CMC-C2C-C1C	2.07	128.26	125.03
14	B	835	CLA	C3C-C4C-NC	2.07	113.08	110.43
14	G	819	CLA	CHB-C1B-C2B	-2.07	121.43	127.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	841	CLA	CAA-C2A-C3A	-2.06	107.42	113.00
17	I	102	BCR	C29-C30-C25	-2.06	107.44	110.44
14	Z	811	CLA	CHD-C1D-C2D	-2.06	121.19	125.49
14	Z	814	CLA	CHA-C1A-NA	-2.06	121.72	126.39
14	B	834	CLA	CMC-C2C-C1C	2.06	128.26	125.03
14	Z	826	CLA	CAA-C2A-C1A	-2.06	105.21	111.97
14	Y	806	CLA	O1D-CGD-CBD	-2.06	120.45	124.52
14	Z	834	CLA	CMB-C2B-C3B	2.06	131.40	126.55
14	G	828	CLA	C4C-C3C-C2C	-2.06	103.89	106.89
14	Z	825	CLA	OBD-CAD-C3D	-2.06	123.59	128.42
14	G	834	CLA	C1D-CHD-C4C	-2.06	121.64	126.02
14	Z	808	CLA	CBB-CAB-C3B	-2.06	117.22	127.53
14	Y	816	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	H	812	CLA	C1D-CHD-C4C	-2.06	121.64	126.02
14	G	841	CLA	CHC-C4B-NB	2.06	127.14	124.05
14	Y	813	CLA	CAA-C2A-C3A	-2.06	107.43	113.00
14	U	1004	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	Y	814	CLA	CHB-C1B-C2B	-2.06	121.44	127.43
14	G	838	CLA	CAC-C3C-C4C	2.06	127.47	124.79
14	Z	813	CLA	CAC-C3C-C4C	2.06	127.47	124.79
14	G	806	CLA	CMD-C2D-C3D	-2.06	122.96	127.69
17	B	850	BCR	C28-C27-C26	-2.06	110.38	114.06
14	G	813	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	G	836	CLA	C3C-C4C-NC	2.06	113.07	110.43
14	Y	810	CLA	C1D-CHD-C4C	-2.06	121.64	126.02
14	A	814	CLA	CHB-C1B-C2B	-2.06	121.45	127.43
14	H	839	CLA	CMA-C3A-C2A	2.06	121.94	113.98
14	Z	829	CLA	CBA-CAA-C2A	2.06	119.92	113.79
14	B	826	CLA	CBB-CAB-C3B	-2.06	117.23	127.53
14	B	828	CLA	CAC-C3C-C4C	2.06	127.47	124.79
17	h	207	BCR	C29-C30-C25	-2.06	107.45	110.44
14	Y	818	CLA	C4-C3-C2	-2.06	118.34	123.63
17	G	849	BCR	C30-C25-C26	-2.06	119.82	122.64
14	H	825	CLA	CHC-C1C-C2C	-2.06	121.10	126.95
14	H	823	CLA	OBD-CAD-C3D	-2.06	123.60	128.42
14	Y	808	CLA	CHD-C4C-C3C	-2.06	121.77	124.77
14	H	830	CLA	CMD-C2D-C3D	-2.06	122.97	127.69
14	U	1002	CLA	CBA-CAA-C2A	2.06	119.92	113.79
14	H	840	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	Y	822	CLA	O2D-CGD-O1D	-2.06	119.84	123.85
14	A	828	CLA	CHD-C4C-C3C	-2.06	121.77	124.77
13	A	801	CL0	C11-C12-C13	-2.06	109.12	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	820	CLA	CHB-C1B-C2B	-2.06	121.45	127.43
14	A	843	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	f	101	CLA	C4C-C3C-C2C	-2.06	103.90	106.89
14	B	823	CLA	CHD-C1D-ND	-2.06	121.91	124.80
14	H	831	CLA	CHB-C4A-NA	2.06	127.37	124.40
14	Z	826	CLA	C1-O2A-CGA	2.06	121.63	116.65
19	H	848	LMG	O6-C1-O1	-2.06	105.19	110.04
14	U	1004	CLA	C1D-CHD-C4C	-2.06	121.65	126.02
14	A	842	CLA	C3C-C4C-NC	2.06	113.06	110.43
14	A	819	CLA	C1-O2A-CGA	2.06	121.63	116.65
14	B	822	CLA	C1D-CHD-C4C	-2.06	121.65	126.02
14	H	802	CLA	CHB-C1B-C2B	-2.05	121.46	127.43
14	H	818	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	Z	828	CLA	C3C-C4C-NC	2.05	113.06	110.43
14	d	201	CLA	CMA-C3A-C4A	2.05	117.29	111.77
14	L	206	CLA	CED-O2D-CGD	2.05	120.57	115.92
14	H	814	CLA	CHB-C1B-C2B	-2.05	121.47	127.43
14	Y	802	CLA	CAA-C2A-C1A	2.05	118.70	111.97
14	A	819	CLA	CMB-C2B-C3B	2.05	131.38	126.55
14	H	803	CLA	CMC-C2C-C1C	2.05	128.24	125.03
14	Y	808	CLA	CMA-C3A-C4A	2.05	117.29	111.77
14	Y	836	CLA	C3C-C4C-NC	2.05	113.06	110.43
14	G	831	CLA	C1-C2-C3	-2.05	123.44	126.76
14	Y	832	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	A	808	CLA	CMC-C2C-C1C	2.05	128.24	125.03
14	B	823	CLA	CED-O2D-CGD	2.05	120.56	115.92
14	S	1102	CLA	O1D-CGD-CBD	-2.05	120.48	124.52
14	H	837	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	Y	838	CLA	CHB-C4A-NA	2.05	127.36	124.40
14	Y	839	CLA	C1-C2-C3	-2.05	123.45	126.76
14	A	840	CLA	C4C-C3C-C2C	-2.05	103.91	106.89
14	G	841	CLA	C1D-CHD-C4C	-2.05	121.67	126.02
14	Z	835	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
14	Y	828	CLA	CHA-C4D-ND	2.05	136.78	132.55
14	Z	809	CLA	CHC-C1C-C2C	-2.05	121.13	126.95
17	Y	845	BCR	C29-C30-C25	-2.05	107.46	110.44
14	G	812	CLA	CMC-C2C-C1C	2.05	128.23	125.03
14	A	830	CLA	OBD-CAD-C3D	-2.05	123.63	128.42
14	L	204	CLA	CHB-C1B-C2B	-2.05	121.48	127.43
14	G	816	CLA	C1-C2-C3	-2.05	123.45	126.76
14	B	809	CLA	CED-O2D-CGD	2.05	120.56	115.92
14	Y	830	CLA	CHB-C4A-NA	2.05	127.35	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Y	815	CLA	C1D-CHD-C4C	-2.05	121.67	126.02
18	G	850	LHG	O8-C6-C5	2.05	114.30	108.40
14	Z	804	CLA	C1-C2-C3	-2.05	122.84	126.20
17	Z	846	BCR	C29-C30-C25	2.05	113.41	110.44
14	H	828	CLA	CHB-C4A-NA	2.05	127.35	124.40
14	Y	813	CLA	CMB-C2B-C3B	2.04	131.36	126.55
14	H	812	CLA	CAC-C3C-C4C	2.04	127.45	124.79
14	A	831	CLA	CMC-C2C-C3C	2.04	131.68	126.15
14	A	829	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
17	U	1005	BCR	C31-C1-C6	-2.04	107.04	110.24
14	B	838	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
14	j	102	CLA	C3C-C4C-NC	2.04	113.05	110.43
14	Z	834	CLA	CMC-C2C-C1C	2.04	128.23	125.03
14	H	801	CLA	CHC-C1C-C2C	-2.04	121.14	126.95
14	A	826	CLA	CHC-C4B-NB	2.04	127.11	124.05
14	H	810	CLA	C5-C3-C2	-2.04	116.58	121.17
14	Y	819	CLA	CMC-C2C-C1C	2.04	128.22	125.03
14	B	806	CLA	C16-C15-C13	-2.04	109.18	115.97
14	A	833	CLA	CMA-C3A-C4A	2.04	117.26	111.77
14	Z	824	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	Y	809	CLA	C16-C15-C13	-2.04	109.18	115.97
14	A	841	CLA	CAC-C3C-C2C	2.04	131.31	127.56
14	B	830	CLA	C1D-CHD-C4C	-2.04	121.68	126.02
17	Y	853	BCR	C33-C5-C4	2.04	117.95	113.60
17	B	845	BCR	C38-C26-C25	-2.04	122.26	124.48
14	B	814	CLA	C1D-CHD-C4C	-2.04	121.68	126.02
14	X	1701	CLA	CHA-C1A-NA	-2.04	121.77	126.39
14	H	808	CLA	O2A-C1-C2	2.04	115.96	108.11
14	A	854	CLA	CGD-CBD-CAD	-2.04	104.24	110.85
14	Y	836	CLA	CHB-C1B-C2B	-2.04	121.50	127.43
14	Z	841	CLA	CMC-C2C-C1C	2.04	128.22	125.03
14	H	828	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
17	Q	201	BCR	C3-C4-C5	-2.04	110.42	114.06
14	h	204	CLA	CHA-C4D-ND	2.04	136.76	132.55
14	Y	822	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
17	G	845	BCR	C28-C27-C26	-2.04	110.42	114.06
14	B	831	CLA	CMD-C2D-C3D	-2.04	123.01	127.69
14	G	809	CLA	CBC-CAC-C3C	-2.04	106.89	112.42
14	Z	821	CLA	C4C-C3C-C2C	-2.04	103.92	106.89
14	A	837	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
14	A	835	CLA	CMB-C2B-C3B	2.04	131.34	126.55
17	Z	847	BCR	C24-C25-C26	-2.04	116.86	121.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	811	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
14	A	836	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
14	A	830	CLA	C1-C2-C3	-2.04	122.86	126.20
14	J	101	CLA	CHD-C4C-C3C	-2.04	121.81	124.77
14	H	803	CLA	C1D-CHD-C4C	-2.04	121.69	126.02
14	Z	824	CLA	C4D-C3D-CAD	2.04	110.32	108.11
14	Y	822	CLA	CHB-C4A-NA	2.04	127.34	124.40
14	B	801	CLA	CAA-C2A-C1A	2.04	118.64	111.97
14	G	812	CLA	CHB-C1B-C2B	-2.03	121.52	127.43
14	A	833	CLA	CHA-C1A-NA	-2.03	121.78	126.39
14	A	806	CLA	CGD-CBD-CAD	-2.03	104.26	110.85
14	Z	823	CLA	CMB-C2B-C3B	2.03	131.34	126.55
14	G	820	CLA	C3C-C4C-NC	2.03	113.04	110.43
17	Y	847	BCR	C3-C4-C5	-2.03	110.43	114.06
17	G	845	BCR	C36-C18-C19	-2.03	114.98	118.09
14	G	827	CLA	CHB-C1B-C2B	-2.03	121.52	127.43
14	Y	824	CLA	CAC-C3C-C2C	2.03	131.29	127.56
14	H	836	CLA	CHD-C1D-ND	-2.03	121.94	124.80
14	G	808	CLA	CMB-C2B-C1B	2.03	128.51	125.42
14	Z	820	CLA	CHB-C1B-C2B	-2.03	121.53	127.43
17	A	847	BCR	C24-C25-C26	2.03	126.24	121.56
14	Z	822	CLA	C1D-CHD-C4C	-2.03	121.70	126.02
14	H	802	CLA	CHC-C1C-C2C	-2.03	121.17	126.95
14	B	831	CLA	C2A-C1A-CHA	-2.03	120.34	123.87
14	h	201	CLA	C1-O2A-CGA	-2.03	111.73	116.65
14	B	836	CLA	CMA-C3A-C4A	2.03	117.23	111.77
14	Z	804	CLA	CHA-C4D-ND	2.03	136.74	132.55
14	L	205	CLA	CHC-C1C-C2C	-2.03	121.18	126.95
14	G	820	CLA	CMB-C2B-C3B	2.03	131.33	126.55
14	H	811	CLA	O2D-CGD-O1D	-2.03	119.89	123.85
14	G	853	CLA	C1D-CHD-C4C	-2.03	121.70	126.02
19	H	848	LMG	O1-C1-C2	2.03	111.36	108.27
14	Y	802	CLA	CHA-C4D-ND	2.03	136.74	132.55
14	Z	814	CLA	C1-O2A-CGA	2.03	121.56	116.65
17	V	101	BCR	C4-C5-C6	2.03	125.45	122.70
14	H	815	CLA	CAA-C2A-C3A	-2.03	107.52	113.00
17	Z	845	BCR	C12-C13-C14	2.03	122.20	119.01
17	U	1009	BCR	C23-C24-C25	-2.03	121.58	127.00
14	h	206	CLA	CHC-C1C-C2C	-2.03	121.19	126.95
14	B	815	CLA	CHC-C4B-NB	2.03	127.09	124.05
14	B	814	CLA	CMA-C3A-C4A	2.03	117.22	111.77
14	G	824	CLA	C2A-C1A-CHA	-2.03	120.35	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	Z	828	CLA	OBD-CAD-C3D	-2.03	123.68	128.42
14	B	819	CLA	CHB-C1B-C2B	-2.03	121.54	127.43
17	Y	844	BCR	C23-C24-C25	-2.03	121.58	127.00
14	H	801	CLA	C3C-C4C-NC	2.03	113.03	110.43
14	Y	834	CLA	CHB-C4A-NA	2.03	127.32	124.40
14	Z	818	CLA	CHB-C4A-NA	2.03	127.32	124.40
14	U	1002	CLA	CHB-C1B-C2B	-2.02	121.55	127.43
17	G	845	BCR	C2-C1-C6	-2.02	107.50	110.44
14	Z	801	CLA	CMD-C2D-C3D	-2.02	123.05	127.69
17	R	102	BCR	C36-C18-C17	-2.02	119.54	122.82
14	Z	814	CLA	CED-O2D-CGD	2.02	120.51	115.92
14	W	1701	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	A	819	CLA	C4-C3-C5	2.02	118.74	115.23
14	H	837	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	Z	817	CLA	CAA-C2A-C3A	-2.02	107.53	113.00
14	U	1004	CLA	CHA-C1A-NA	-2.02	121.81	126.39
14	H	831	CLA	OBD-CAD-C3D	-2.02	123.69	128.42
15	Z	842	PQN	C11-C3-C4	2.02	120.71	118.58
14	A	819	CLA	CHB-C4A-NA	2.02	127.32	124.40
14	Y	820	CLA	CMB-C2B-C1B	2.02	128.50	125.42
14	A	836	CLA	C1D-CHD-C4C	-2.02	121.72	126.02
14	Z	820	CLA	C3C-C4C-NC	2.02	113.02	110.43
14	A	824	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	A	830	CLA	CMA-C3A-C4A	2.02	117.21	111.77
14	B	810	CLA	CHC-C1C-C2C	-2.02	121.20	126.95
14	B	832	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	Z	813	CLA	C4D-C3D-CAD	2.02	110.30	108.11
14	B	808	CLA	CHA-C4D-ND	2.02	136.72	132.55
14	Z	817	CLA	CHB-C4A-NA	2.02	127.32	124.40
17	Q	203	BCR	C30-C25-C26	-2.02	119.88	122.64
14	H	839	CLA	CHB-C1B-C2B	-2.02	121.56	127.43
14	Y	815	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
14	A	827	CLA	C5-C3-C2	-2.02	116.63	121.17
14	Y	828	CLA	CMA-C3A-C4A	2.02	117.20	111.77
14	H	833	CLA	CBC-CAC-C3C	-2.02	106.95	112.42
17	H	847	BCR	C37-C22-C23	2.02	121.17	118.09
14	G	821	CLA	CMA-C3A-C4A	2.02	117.20	111.77
13	G	801	CL0	CHC-C4B-NB	2.02	127.08	124.05
14	F	202	CLA	CHC-C1C-C2C	-2.02	121.21	126.95
17	Z	848	BCR	C39-C30-C25	-2.02	107.08	110.24
14	H	819	CLA	C11-C10-C8	-2.02	109.26	115.97
14	G	842	CLA	C1-C2-C3	-2.02	123.50	126.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	830	CLA	CHA-C4D-ND	2.02	136.71	132.55
14	Z	832	CLA	CMC-C2C-C1C	2.02	128.19	125.03
14	G	809	CLA	CAA-CBA-CGA	-2.02	107.48	113.21
14	Y	819	CLA	C1-C2-C3	-2.02	122.89	126.20
14	Z	816	CLA	CHC-C1C-C2C	-2.02	121.22	126.95
17	F	203	BCR	C28-C27-C26	-2.02	110.46	114.06
14	H	811	CLA	CGD-CBD-CAD	2.02	117.37	110.85
14	Y	818	CLA	CMB-C2B-C3B	2.02	131.29	126.55
14	H	811	CLA	C1D-CHD-C4C	-2.01	121.74	126.02
14	G	831	CLA	CHC-C1C-C2C	-2.01	121.22	126.95
14	A	807	CLA	CHB-C1B-C2B	-2.01	121.58	127.43
14	L	201	CLA	CHD-C4C-C3C	-2.01	121.84	124.77
14	Y	834	CLA	CMD-C2D-C3D	-2.01	123.07	127.69
14	A	818	CLA	OBD-CAD-C3D	-2.01	123.71	128.42
14	B	833	CLA	C3C-C4C-NC	2.01	113.01	110.43
14	A	823	CLA	OBD-CAD-C3D	-2.01	123.71	128.42
14	A	813	CLA	C4D-C3D-CAD	2.01	110.29	108.11
14	B	828	CLA	CHA-C1A-NA	-2.01	121.83	126.39
17	i	101	BCR	C7-C8-C9	-2.01	123.26	126.23
14	H	823	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
14	Y	814	CLA	CHA-C1A-NA	-2.01	121.84	126.39
17	B	847	BCR	C12-C13-C14	2.01	122.17	119.01
14	L	201	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
17	i	101	BCR	C32-C1-C6	-2.01	107.09	110.24
14	H	804	CLA	C1-C2-C3	-2.01	122.90	126.20
14	H	829	CLA	CMD-C2D-C3D	-2.01	123.08	127.69
14	A	831	CLA	CAC-C3C-C4C	2.01	127.41	124.79
14	A	840	CLA	O1D-CGD-CBD	-2.01	120.55	124.52
17	Y	852	BCR	C23-C24-C25	-2.01	121.63	127.00
14	B	834	CLA	C4C-C3C-C2C	-2.01	103.97	106.89
14	H	815	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	Z	821	CLA	CHC-C1C-C2C	-2.01	121.23	126.95
14	A	805	CLA	C3C-C4C-NC	2.01	113.00	110.43
14	Y	836	CLA	CMC-C2C-C1C	2.01	128.18	125.03
14	H	839	CLA	CHC-C1C-C2C	-2.01	121.24	126.95
14	U	1006	CLA	CHB-C4A-NA	2.01	127.30	124.40
14	A	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.89
14	Z	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.89
14	B	818	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
14	Y	835	CLA	CMB-C2B-C3B	2.01	131.27	126.55
14	G	830	CLA	CAC-C3C-C4C	2.01	127.40	124.79
14	G	818	CLA	C1D-CHD-C4C	-2.01	121.75	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	827	CLA	O1D-CGD-CBD	-2.01	120.56	124.52
14	Y	813	CLA	C4C-C3C-C2C	-2.01	103.97	106.89
14	Z	832	CLA	OBD-CAD-C3D	-2.01	123.73	128.42
18	j	101	LHG	O8-C23-O10	-2.01	118.61	123.63
14	Y	841	CLA	C3C-C4C-NC	2.01	113.00	110.43
14	G	822	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
13	A	801	CL0	C5-C3-C2	-2.01	116.66	121.17
14	Z	811	CLA	C1-C2-C3	-2.01	122.91	126.20
14	Y	827	CLA	CHC-C1C-C2C	-2.00	121.25	126.95
14	B	828	CLA	C3C-C4C-NC	2.00	113.00	110.43
14	A	830	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	G	822	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	K	101	CLA	C3C-C4C-NC	2.00	113.00	110.43
19	Z	849	LMG	O8-C28-O10	-2.00	118.62	123.63
14	G	806	CLA	CMB-C2B-C3B	2.00	131.26	126.55
14	G	813	CLA	CHC-C1C-C2C	-2.00	121.25	126.95
14	A	820	CLA	C1-C2-C3	-2.00	122.92	126.20
14	H	802	CLA	CHD-C4C-C3C	-2.00	121.85	124.77
14	H	809	CLA	CHA-C1A-NA	-2.00	121.86	126.39
14	G	811	CLA	CHB-C1B-C2B	-2.00	121.61	127.43
14	A	842	CLA	C2B-C1B-NB	2.00	112.40	110.33
14	A	820	CLA	C11-C10-C8	-2.00	109.31	115.97
14	B	820	CLA	CBB-CAB-C3B	-2.00	117.52	127.53
14	A	811	CLA	CMC-C2C-C1C	2.00	128.16	125.03
14	A	812	CLA	C1D-CHD-C4C	-2.00	121.77	126.02
14	H	818	CLA	O2D-CGD-O1D	-2.00	119.95	123.85
14	Y	840	CLA	CHC-C1C-C2C	-2.00	121.26	126.95
14	Z	825	CLA	O2D-CGD-O1D	-2.00	119.95	123.85
14	Y	804	CLA	CHC-C1C-C2C	-2.00	121.26	126.95
17	A	849	BCR	C39-C30-C25	-2.00	107.11	110.24
14	h	201	CLA	CHD-C4C-C3C	-2.00	121.86	124.77
14	G	817	CLA	CBB-CAB-C3B	-2.00	117.53	127.53
14	Y	826	CLA	CAC-C3C-C4C	2.00	127.39	124.79
17	G	847	BCR	C15-C14-C13	-2.00	124.47	127.28
17	B	843	BCR	C12-C13-C14	2.00	122.16	119.01

There are no chirality outliers.

All (4156) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	G	801	CL0	C1A-C2A-CAA-CBA
13	G	801	CL0	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
13	G	801	CL0	CBD-CGD-O2D-CED
13	G	801	CL0	C4-C3-C5-C6
13	Y	801	CL0	CBD-CGD-O2D-CED
14	A	802	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	O1A-CGA-O2A-C1
14	A	802	CLA	C2B-C3B-CAB-CBB
14	A	802	CLA	C4B-C3B-CAB-CBB
14	A	803	CLA	C2B-C3B-CAB-CBB
14	A	803	CLA	C4B-C3B-CAB-CBB
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	804	CLA	CHA-CBD-CGD-O1D
14	A	804	CLA	CHA-CBD-CGD-O2D
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	CHA-CBD-CGD-O1D
14	A	805	CLA	CHA-CBD-CGD-O2D
14	A	807	CLA	C1A-C2A-CAA-CBA
14	A	807	CLA	CBD-CGD-O2D-CED
14	A	808	CLA	C2-C1-O2A-CGA
14	A	809	CLA	C3A-C2A-CAA-CBA
14	A	809	CLA	CHA-CBD-CGD-O1D
14	A	809	CLA	CHA-CBD-CGD-O2D
14	A	810	CLA	C2-C1-O2A-CGA
14	A	811	CLA	C2B-C3B-CAB-CBB
14	A	811	CLA	C4B-C3B-CAB-CBB
14	A	812	CLA	C1A-C2A-CAA-CBA
14	A	812	CLA	C3A-C2A-CAA-CBA
14	A	814	CLA	C6-C7-C8-C9
14	A	815	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	C3A-C2A-CAA-CBA
14	A	819	CLA	C2-C1-O2A-CGA
14	A	820	CLA	C1A-C2A-CAA-CBA
14	A	820	CLA	C3A-C2A-CAA-CBA
14	A	822	CLA	C1A-C2A-CAA-CBA
14	A	822	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	824	CLA	C1A-C2A-CAA-CBA
14	A	824	CLA	C3A-C2A-CAA-CBA
14	A	824	CLA	C2B-C3B-CAB-CBB
14	A	824	CLA	C4B-C3B-CAB-CBB
14	A	824	CLA	CBD-CGD-O2D-CED
14	A	828	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	A	828	CLA	C4B-C3B-CAB-CBB
14	A	829	CLA	C1A-C2A-CAA-CBA
14	A	829	CLA	C3A-C2A-CAA-CBA
14	A	829	CLA	CBD-CGD-O2D-CED
14	A	831	CLA	CHA-CBD-CGD-O1D
14	A	831	CLA	CHA-CBD-CGD-O2D
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	834	CLA	CBD-CGD-O2D-CED
14	A	835	CLA	C1A-C2A-CAA-CBA
14	A	836	CLA	C1A-C2A-CAA-CBA
14	A	840	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	C2-C1-O2A-CGA
14	A	842	CLA	CBA-CGA-O2A-C1
14	A	842	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	CBD-CGD-O2D-CED
14	A	843	CLA	C1A-C2A-CAA-CBA
14	A	843	CLA	C3A-C2A-CAA-CBA
14	A	843	CLA	CBA-CGA-O2A-C1
14	A	843	CLA	O1A-CGA-O2A-C1
14	A	854	CLA	C4B-C3B-CAB-CBB
14	A	854	CLA	C11-C12-C13-C15
14	B	801	CLA	CBD-CGD-O2D-CED
14	B	801	CLA	C11-C12-C13-C14
14	B	802	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	CHA-CBD-CGD-O1D
14	B	803	CLA	CHA-CBD-CGD-O2D
14	B	803	CLA	CBD-CGD-O2D-CED
14	B	806	CLA	C2B-C3B-CAB-CBB
14	B	806	CLA	C4B-C3B-CAB-CBB
14	B	806	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	C2B-C3B-CAB-CBB
14	B	807	CLA	C4B-C3B-CAB-CBB
14	B	807	CLA	CHA-CBD-CGD-O1D
14	B	807	CLA	CHA-CBD-CGD-O2D
14	B	807	CLA	CBD-CGD-O2D-CED
14	B	808	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	C1A-C2A-CAA-CBA
14	B	810	CLA	CAD-CBD-CGD-O1D
14	B	810	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	B	811	CLA	C2-C1-O2A-CGA
14	B	812	CLA	C1A-C2A-CAA-CBA
14	B	812	CLA	C3A-C2A-CAA-CBA
14	B	812	CLA	CBD-CGD-O2D-CED
14	B	813	CLA	CBD-CGD-O2D-CED
14	B	815	CLA	C4B-C3B-CAB-CBB
14	B	817	CLA	C1A-C2A-CAA-CBA
14	B	817	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	C2-C1-O2A-CGA
14	B	818	CLA	C2-C3-C5-C6
14	B	818	CLA	C4-C3-C5-C6
14	B	820	CLA	C4B-C3B-CAB-CBB
14	B	820	CLA	CBD-CGD-O2D-CED
14	B	821	CLA	CBD-CGD-O2D-CED
14	B	823	CLA	C1A-C2A-CAA-CBA
14	B	823	CLA	C3A-C2A-CAA-CBA
14	B	823	CLA	CHA-CBD-CGD-O1D
14	B	823	CLA	CHA-CBD-CGD-O2D
14	B	824	CLA	CHA-CBD-CGD-O1D
14	B	824	CLA	CHA-CBD-CGD-O2D
14	B	825	CLA	C1A-C2A-CAA-CBA
14	B	825	CLA	C3A-C2A-CAA-CBA
14	B	826	CLA	C1A-C2A-CAA-CBA
14	B	826	CLA	C3A-C2A-CAA-CBA
14	B	827	CLA	C1A-C2A-CAA-CBA
14	B	828	CLA	CHA-CBD-CGD-O1D
14	B	828	CLA	CHA-CBD-CGD-O2D
14	B	829	CLA	C2B-C3B-CAB-CBB
14	B	829	CLA	C4B-C3B-CAB-CBB
14	B	829	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	C3A-C2A-CAA-CBA
14	B	831	CLA	C2-C1-O2A-CGA
14	B	832	CLA	CHA-CBD-CGD-O1D
14	B	832	CLA	CHA-CBD-CGD-O2D
14	B	833	CLA	C1A-C2A-CAA-CBA
14	B	833	CLA	C3A-C2A-CAA-CBA
14	B	833	CLA	CBD-CGD-O2D-CED
14	B	833	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	CBD-CGD-O2D-CED
14	B	835	CLA	CBD-CGD-O2D-CED
14	G	802	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	802	CLA	O1A-CGA-O2A-C1
14	G	802	CLA	CBD-CGD-O2D-CED
14	G	803	CLA	C2-C1-O2A-CGA
14	G	804	CLA	C1A-C2A-CAA-CBA
14	G	804	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C1A-C2A-CAA-CBA
14	G	805	CLA	CAD-CBD-CGD-O1D
14	G	805	CLA	CAD-CBD-CGD-O2D
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	808	CLA	C3A-C2A-CAA-CBA
14	G	808	CLA	CHA-CBD-CGD-O2D
14	G	810	CLA	C1A-C2A-CAA-CBA
14	G	810	CLA	C3A-C2A-CAA-CBA
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
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	818	CLA	C3A-C2A-CAA-CBA
14	G	818	CLA	C2-C1-O2A-CGA
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-O1D
14	G	820	CLA	CHA-CBD-CGD-O2D
14	G	821	CLA	C1A-C2A-CAA-CBA
14	G	822	CLA	C2-C1-O2A-CGA
14	G	825	CLA	C2-C1-O2A-CGA
14	G	825	CLA	CBD-CGD-O2D-CED
14	G	830	CLA	C1A-C2A-CAA-CBA
14	G	830	CLA	C3A-C2A-CAA-CBA
14	G	830	CLA	CHA-CBD-CGD-O1D
14	G	830	CLA	CHA-CBD-CGD-O2D
14	G	831	CLA	C1A-C2A-CAA-CBA
14	G	831	CLA	C3A-C2A-CAA-CBA
14	G	832	CLA	C2B-C3B-CAB-CBB
14	G	832	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	G	833	CLA	C2-C1-O2A-CGA
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	834	CLA	CBD-CGD-O2D-CED
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	839	CLA	CBD-CGD-O2D-CED
14	G	840	CLA	CBD-CGD-O2D-CED
14	G	852	CLA	CBD-CGD-O2D-CED
14	H	801	CLA	CBD-CGD-O2D-CED
14	H	802	CLA	C4B-C3B-CAB-CBB
14	H	802	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	CBD-CGD-O2D-CED
14	H	803	CLA	O1D-CGD-O2D-CED
14	H	803	CLA	C4-C3-C5-C6
14	H	803	CLA	C11-C12-C13-C14
14	H	805	CLA	C3A-C2A-CAA-CBA
14	H	807	CLA	C2B-C3B-CAB-CBB
14	H	807	CLA	C4B-C3B-CAB-CBB
14	H	808	CLA	C4B-C3B-CAB-CBB
14	H	808	CLA	CHA-CBD-CGD-O1D
14	H	808	CLA	CHA-CBD-CGD-O2D
14	H	811	CLA	C1A-C2A-CAA-CBA
14	H	811	CLA	C3A-C2A-CAA-CBA
14	H	811	CLA	CBD-CGD-O2D-CED
14	H	813	CLA	C1A-C2A-CAA-CBA
14	H	813	CLA	C3A-C2A-CAA-CBA
14	H	813	CLA	CBD-CGD-O2D-CED
14	H	814	CLA	CHA-CBD-CGD-O1D
14	H	814	CLA	CHA-CBD-CGD-O2D
14	H	815	CLA	C1A-C2A-CAA-CBA
14	H	815	CLA	C3A-C2A-CAA-CBA
14	H	815	CLA	CBD-CGD-O2D-CED
14	H	817	CLA	CBA-CGA-O2A-C1
14	H	817	CLA	O1A-CGA-O2A-C1
14	H	818	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	C1A-C2A-CAA-CBA
14	H	820	CLA	C1A-C2A-CAA-CBA
14	H	820	CLA	C3A-C2A-CAA-CBA
14	H	820	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	H	820	CLA	CHA-CBD-CGD-O2D
14	H	821	CLA	C2B-C3B-CAB-CBB
14	H	821	CLA	C4B-C3B-CAB-CBB
14	H	821	CLA	CBD-CGD-O2D-CED
14	H	822	CLA	CBD-CGD-O2D-CED
14	H	824	CLA	C2-C1-O2A-CGA
14	H	824	CLA	CHA-CBD-CGD-O1D
14	H	824	CLA	CHA-CBD-CGD-O2D
14	H	825	CLA	CBA-CGA-O2A-C1
14	H	825	CLA	O1A-CGA-O2A-C1
14	H	825	CLA	CHA-CBD-CGD-O1D
14	H	825	CLA	CHA-CBD-CGD-O2D
14	H	827	CLA	C1A-C2A-CAA-CBA
14	H	827	CLA	C3A-C2A-CAA-CBA
14	H	827	CLA	CBD-CGD-O2D-CED
14	H	828	CLA	C1A-C2A-CAA-CBA
14	H	828	CLA	C3A-C2A-CAA-CBA
14	H	829	CLA	CHA-CBD-CGD-O1D
14	H	829	CLA	CHA-CBD-CGD-O2D
14	H	830	CLA	C1A-C2A-CAA-CBA
14	H	830	CLA	C3A-C2A-CAA-CBA
14	H	830	CLA	CAD-CBD-CGD-O1D
14	H	830	CLA	CAD-CBD-CGD-O2D
14	H	830	CLA	CBD-CGD-O2D-CED
14	H	831	CLA	C3A-C2A-CAA-CBA
14	H	832	CLA	C1A-C2A-CAA-CBA
14	H	832	CLA	C3A-C2A-CAA-CBA
14	H	832	CLA	C2B-C3B-CAB-CBB
14	H	832	CLA	C4B-C3B-CAB-CBB
14	H	832	CLA	CHA-CBD-CGD-O1D
14	H	832	CLA	CHA-CBD-CGD-O2D
14	H	833	CLA	C1A-C2A-CAA-CBA
14	H	833	CLA	C3A-C2A-CAA-CBA
14	H	833	CLA	CHA-CBD-CGD-O2D
14	H	834	CLA	C3A-C2A-CAA-CBA
14	H	834	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	C2B-C3B-CAB-CBB
14	H	835	CLA	C4B-C3B-CAB-CBB
14	H	839	CLA	C14-C13-C15-C16
14	H	840	CLA	C2-C1-O2A-CGA
14	H	851	CLA	C1A-C2A-CAA-CBA
14	H	851	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	J	101	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	C1A-C2A-CAA-CBA
14	J	102	CLA	CHA-CBD-CGD-O1D
14	J	102	CLA	CHA-CBD-CGD-O2D
14	K	101	CLA	C3A-C2A-CAA-CBA
14	K	101	CLA	C2B-C3B-CAB-CBB
14	K	101	CLA	C4B-C3B-CAB-CBB
14	K	102	CLA	C2B-C3B-CAB-CBB
14	K	102	CLA	C4B-C3B-CAB-CBB
14	K	102	CLA	CHA-CBD-CGD-O1D
14	K	102	CLA	CHA-CBD-CGD-O2D
14	L	202	CLA	C4B-C3B-CAB-CBB
14	L	202	CLA	CHA-CBD-CGD-O1D
14	L	202	CLA	CHA-CBD-CGD-O2D
14	L	204	CLA	C1A-C2A-CAA-CBA
14	L	204	CLA	C3A-C2A-CAA-CBA
14	L	204	CLA	C4B-C3B-CAB-CBB
14	S	1101	CLA	C1A-C2A-CAA-CBA
14	S	1101	CLA	C3A-C2A-CAA-CBA
14	S	1101	CLA	CHA-CBD-CGD-O2D
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	CHA-CBD-CGD-O1D
14	S	1103	CLA	CHA-CBD-CGD-O2D
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	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	1007	CLA	CHA-CBD-CGD-O2D
14	Y	803	CLA	C3A-C2A-CAA-CBA
14	Y	803	CLA	C2-C1-O2A-CGA
14	Y	804	CLA	C3A-C2A-CAA-CBA
14	Y	804	CLA	CBD-CGD-O2D-CED
14	Y	805	CLA	C1A-C2A-CAA-CBA
14	Y	805	CLA	C3A-C2A-CAA-CBA
14	Y	806	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Y	807	CLA	C2-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	809	CLA	C6-C7-C8-C9
14	Y	810	CLA	CBD-CGD-O2D-CED
14	Y	812	CLA	C1A-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	CBD-CGD-O2D-CED
14	Y	818	CLA	C1A-C2A-CAA-CBA
14	Y	818	CLA	C3A-C2A-CAA-CBA
14	Y	818	CLA	C2-C1-O2A-CGA
14	Y	819	CLA	C3A-C2A-CAA-CBA
14	Y	819	CLA	CBD-CGD-O2D-CED
14	Y	823	CLA	C1A-C2A-CAA-CBA
14	Y	823	CLA	CBD-CGD-O2D-CED
14	Y	828	CLA	C1A-C2A-CAA-CBA
14	Y	828	CLA	C3A-C2A-CAA-CBA
14	Y	830	CLA	CHA-CBD-CGD-O1D
14	Y	830	CLA	CHA-CBD-CGD-O2D
14	Y	831	CLA	C2B-C3B-CAB-CBB
14	Y	831	CLA	C4B-C3B-CAB-CBB
14	Y	832	CLA	C2-C1-O2A-CGA
14	Y	832	CLA	C2B-C3B-CAB-CBB
14	Y	832	CLA	C4B-C3B-CAB-CBB
14	Y	833	CLA	C4B-C3B-CAB-CBB
14	Y	838	CLA	CBD-CGD-O2D-CED
14	Y	839	CLA	C2-C1-O2A-CGA
14	Y	839	CLA	CBD-CGD-O2D-CED
14	Y	840	CLA	CBD-CGD-O2D-CED
14	Y	840	CLA	C11-C10-C8-C9
14	Y	841	CLA	CBA-CGA-O2A-C1
14	Y	841	CLA	O1A-CGA-O2A-C1
14	Z	801	CLA	C2-C1-O2A-CGA
14	Z	803	CLA	C1A-C2A-CAA-CBA
14	Z	803	CLA	C3A-C2A-CAA-CBA
14	Z	803	CLA	CBD-CGD-O2D-CED
14	Z	804	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	805	CLA	CBD-CGD-O2D-CED
14	Z	806	CLA	C2-C1-O2A-CGA
14	Z	807	CLA	C4-C3-C5-C6
14	Z	808	CLA	C2B-C3B-CAB-CBB
14	Z	808	CLA	C4B-C3B-CAB-CBB
14	Z	808	CLA	C11-C12-C13-C14
14	Z	809	CLA	C2B-C3B-CAB-CBB
14	Z	809	CLA	C4B-C3B-CAB-CBB
14	Z	809	CLA	CHA-CBD-CGD-O1D
14	Z	809	CLA	CHA-CBD-CGD-O2D
14	Z	809	CLA	C14-C13-C15-C16
14	Z	811	CLA	CHA-CBD-CGD-O1D
14	Z	812	CLA	C2-C1-O2A-CGA
14	Z	812	CLA	CBD-CGD-O2D-CED
14	Z	812	CLA	C2-C3-C5-C6
14	Z	812	CLA	C4-C3-C5-C6
14	Z	813	CLA	CBD-CGD-O2D-CED
14	Z	816	CLA	CBD-CGD-O2D-CED
14	Z	817	CLA	C2-C3-C5-C6
14	Z	817	CLA	C4-C3-C5-C6
14	Z	818	CLA	C2-C1-O2A-CGA
14	Z	819	CLA	C3A-C2A-CAA-CBA
14	Z	819	CLA	CBA-CGA-O2A-C1
14	Z	819	CLA	O1A-CGA-O2A-C1
14	Z	821	CLA	C3A-C2A-CAA-CBA
14	Z	823	CLA	CBD-CGD-O2D-CED
14	Z	825	CLA	CHA-CBD-CGD-O1D
14	Z	825	CLA	CHA-CBD-CGD-O2D
14	Z	826	CLA	CHA-CBD-CGD-O1D
14	Z	826	CLA	CHA-CBD-CGD-O2D
14	Z	827	CLA	C3A-C2A-CAA-CBA
14	Z	827	CLA	C11-C10-C8-C7
14	Z	828	CLA	C3A-C2A-CAA-CBA
14	Z	828	CLA	C14-C13-C15-C16
14	Z	829	CLA	C1A-C2A-CAA-CBA
14	Z	829	CLA	C3A-C2A-CAA-CBA
14	Z	830	CLA	CHA-CBD-CGD-O1D
14	Z	830	CLA	CHA-CBD-CGD-O2D
14	Z	831	CLA	C2B-C3B-CAB-CBB
14	Z	831	CLA	C4B-C3B-CAB-CBB
14	Z	832	CLA	C1A-C2A-CAA-CBA
14	Z	832	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	Z	833	CLA	C1A-C2A-CAA-CBA
14	Z	833	CLA	C3A-C2A-CAA-CBA
14	Z	834	CLA	C1A-C2A-CAA-CBA
14	Z	834	CLA	C3A-C2A-CAA-CBA
14	Z	834	CLA	CBD-CGD-O2D-CED
14	Z	835	CLA	C3A-C2A-CAA-CBA
14	Z	837	CLA	C1A-C2A-CAA-CBA
14	Z	837	CLA	C3A-C2A-CAA-CBA
14	Z	841	CLA	CBD-CGD-O2D-CED
14	d	201	CLA	C3A-C2A-CAA-CBA
14	f	101	CLA	C2B-C3B-CAB-CBB
14	f	101	CLA	C4B-C3B-CAB-CBB
14	f	101	CLA	CBD-CGD-O2D-CED
14	f	102	CLA	C2-C1-O2A-CGA
14	g	101	CLA	C3A-C2A-CAA-CBA
14	g	101	CLA	C2B-C3B-CAB-CBB
14	g	101	CLA	C4B-C3B-CAB-CBB
14	h	204	CLA	C1A-C2A-CAA-CBA
14	h	204	CLA	C3A-C2A-CAA-CBA
14	h	204	CLA	CAD-CBD-CGD-O1D
14	h	204	CLA	CAD-CBD-CGD-O2D
14	h	204	CLA	CBD-CGD-O2D-CED
14	h	206	CLA	C2-C1-O2A-CGA
15	G	843	PQN	C21-C22-C23-C25
17	A	846	BCR	C10-C11-C12-C13
17	A	846	BCR	C37-C22-C23-C24
17	A	847	BCR	C9-C10-C11-C12
17	A	847	BCR	C10-C11-C12-C13
17	A	847	BCR	C11-C12-C13-C14
17	A	847	BCR	C11-C12-C13-C35
17	A	848	BCR	C10-C11-C12-C13
17	A	848	BCR	C14-C15-C16-C17
17	A	849	BCR	C10-C11-C12-C13
17	A	850	BCR	C10-C11-C12-C13
17	A	850	BCR	C11-C12-C13-C14
17	A	850	BCR	C23-C24-C25-C26
17	A	851	BCR	C1-C6-C7-C8
17	A	851	BCR	C5-C6-C7-C8
17	A	851	BCR	C11-C10-C9-C8
17	A	851	BCR	C11-C10-C9-C34
17	A	851	BCR	C10-C11-C12-C13
17	A	851	BCR	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
17	B	843	BCR	C11-C10-C9-C8
17	B	843	BCR	C11-C10-C9-C34
17	B	843	BCR	C10-C11-C12-C13
17	B	843	BCR	C23-C24-C25-C26
17	B	843	BCR	C23-C24-C25-C30
17	B	844	BCR	C1-C6-C7-C8
17	B	844	BCR	C5-C6-C7-C8
17	B	844	BCR	C11-C10-C9-C8
17	B	844	BCR	C11-C10-C9-C34
17	B	844	BCR	C10-C11-C12-C13
17	B	846	BCR	C9-C10-C11-C12
17	B	847	BCR	C11-C10-C9-C8
17	B	847	BCR	C10-C11-C12-C13
17	B	847	BCR	C11-C12-C13-C14
17	B	850	BCR	C10-C11-C12-C13
17	F	201	BCR	C11-C10-C9-C8
17	F	201	BCR	C11-C10-C9-C34
17	F	201	BCR	C10-C11-C12-C13
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	G	845	BCR	C1-C6-C7-C8
17	G	845	BCR	C5-C6-C7-C8
17	G	845	BCR	C10-C11-C12-C13
17	G	846	BCR	C11-C10-C9-C8
17	G	846	BCR	C11-C10-C9-C34
17	G	846	BCR	C15-C16-C17-C18
17	G	847	BCR	C9-C10-C11-C12
17	G	847	BCR	C10-C11-C12-C13
17	G	848	BCR	C10-C11-C12-C13
17	G	848	BCR	C11-C12-C13-C14
17	G	849	BCR	C10-C11-C12-C13
17	H	842	BCR	C9-C10-C11-C12
17	H	842	BCR	C10-C11-C12-C13
17	H	842	BCR	C23-C24-C25-C26
17	H	843	BCR	C11-C10-C9-C8
17	H	843	BCR	C11-C10-C9-C34
17	H	844	BCR	C11-C10-C9-C8
17	H	844	BCR	C11-C10-C9-C34
17	H	845	BCR	C18-C19-C20-C21
17	H	845	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
17	H	845	BCR	C23-C24-C25-C26
17	H	845	BCR	C23-C24-C25-C30
17	H	846	BCR	C5-C6-C7-C8
17	H	846	BCR	C10-C11-C12-C13
17	H	847	BCR	C11-C10-C9-C8
17	H	847	BCR	C10-C11-C12-C13
17	H	847	BCR	C11-C12-C13-C14
17	H	847	BCR	C11-C12-C13-C35
17	H	850	BCR	C9-C10-C11-C12
17	H	850	BCR	C10-C11-C12-C13
17	H	850	BCR	C11-C12-C13-C14
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	I	102	BCR	C10-C11-C12-C13
17	I	102	BCR	C23-C24-C25-C26
17	I	102	BCR	C23-C24-C25-C30
17	J	103	BCR	C5-C6-C7-C8
17	J	103	BCR	C10-C11-C12-C13
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	C10-C11-C12-C13
17	J	104	BCR	C21-C22-C23-C24
17	L	207	BCR	C10-C11-C12-C13
17	L	208	BCR	C9-C10-C11-C12
17	L	208	BCR	C10-C11-C12-C13
17	M	101	BCR	C11-C10-C9-C8
17	M	101	BCR	C11-C10-C9-C34
17	M	101	BCR	C10-C11-C12-C13
17	M	101	BCR	C23-C24-C25-C30
17	Q	201	BCR	C11-C10-C9-C8
17	Q	201	BCR	C11-C10-C9-C34
17	Q	201	BCR	C10-C11-C12-C13
17	Q	201	BCR	C17-C18-C19-C20
17	Q	201	BCR	C18-C19-C20-C21
17	Q	201	BCR	C19-C20-C21-C22
17	Q	203	BCR	C9-C10-C11-C12
17	Q	203	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	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	S	1104	BCR	C9-C10-C11-C12
17	S	1104	BCR	C10-C11-C12-C13
17	S	1105	BCR	C1-C6-C7-C8
17	S	1105	BCR	C5-C6-C7-C8
17	S	1105	BCR	C11-C10-C9-C8
17	S	1105	BCR	C11-C10-C9-C34
17	S	1105	BCR	C10-C11-C12-C13
17	S	1105	BCR	C18-C19-C20-C21
17	S	1105	BCR	C19-C20-C21-C22
17	T	102	BCR	C11-C10-C9-C8
17	T	102	BCR	C11-C10-C9-C34
17	T	102	BCR	C9-C10-C11-C12
17	T	102	BCR	C10-C11-C12-C13
17	T	102	BCR	C19-C20-C21-C22
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	1008	BCR	C11-C10-C9-C8
17	U	1008	BCR	C11-C10-C9-C34
17	U	1008	BCR	C10-C11-C12-C13
17	U	1008	BCR	C23-C24-C25-C30
17	U	1009	BCR	C7-C8-C9-C10
17	U	1009	BCR	C9-C10-C11-C12
17	U	1009	BCR	C10-C11-C12-C13
17	U	1009	BCR	C11-C12-C13-C35
17	U	1009	BCR	C14-C15-C16-C17
17	U	1009	BCR	C15-C16-C17-C18
17	Y	844	BCR	C11-C10-C9-C8
17	Y	844	BCR	C11-C10-C9-C34
17	Y	844	BCR	C10-C11-C12-C13
17	Y	844	BCR	C18-C19-C20-C21
17	Y	846	BCR	C11-C10-C9-C8
17	Y	846	BCR	C11-C10-C9-C34
17	Y	846	BCR	C10-C11-C12-C13
17	Y	846	BCR	C16-C17-C18-C19
17	Y	846	BCR	C17-C18-C19-C20
17	Y	847	BCR	C9-C10-C11-C12
17	Y	847	BCR	C10-C11-C12-C13
17	Y	847	BCR	C14-C15-C16-C17
17	Y	847	BCR	C15-C16-C17-C18
17	Y	848	BCR	C10-C11-C12-C13
17	Y	849	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	Y	849	BCR	C11-C12-C13-C14
17	Y	849	BCR	C11-C12-C13-C35
17	Y	852	BCR	C10-C11-C12-C13
17	Y	852	BCR	C11-C12-C13-C14
17	Y	852	BCR	C11-C12-C13-C35
17	Y	852	BCR	C14-C15-C16-C17
17	Y	852	BCR	C17-C18-C19-C20
17	Y	853	BCR	C11-C10-C9-C8
17	Y	853	BCR	C11-C10-C9-C34
17	Y	853	BCR	C9-C10-C11-C12
17	Z	843	BCR	C11-C10-C9-C8
17	Z	843	BCR	C11-C10-C9-C34
17	Z	843	BCR	C10-C11-C12-C13
17	Z	843	BCR	C11-C12-C13-C14
17	Z	843	BCR	C14-C15-C16-C17
17	Z	843	BCR	C16-C17-C18-C36
17	Z	843	BCR	C23-C24-C25-C26
17	Z	843	BCR	C23-C24-C25-C30
17	Z	844	BCR	C11-C10-C9-C8
17	Z	844	BCR	C11-C10-C9-C34
17	Z	844	BCR	C10-C11-C12-C13
17	Z	845	BCR	C11-C10-C9-C8
17	Z	845	BCR	C11-C10-C9-C34
17	Z	845	BCR	C10-C11-C12-C13
17	Z	845	BCR	C11-C12-C13-C14
17	Z	845	BCR	C14-C15-C16-C17
17	Z	846	BCR	C14-C15-C16-C17
17	Z	846	BCR	C17-C18-C19-C20
17	Z	846	BCR	C18-C19-C20-C21
17	Z	846	BCR	C21-C22-C23-C24
17	Z	847	BCR	C1-C6-C7-C8
17	Z	847	BCR	C10-C11-C12-C13
17	Z	847	BCR	C23-C24-C25-C26
17	Z	847	BCR	C23-C24-C25-C30
17	Z	848	BCR	C9-C10-C11-C12
17	Z	848	BCR	C10-C11-C12-C13
17	Z	848	BCR	C16-C17-C18-C19
17	Z	848	BCR	C16-C17-C18-C36
17	Z	850	BCR	C9-C10-C11-C12
17	Z	850	BCR	C10-C11-C12-C13
17	Z	850	BCR	C15-C16-C17-C18
17	d	203	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
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	e	101	BCR	C14-C15-C16-C17
17	e	101	BCR	C17-C18-C19-C20
17	e	101	BCR	C36-C18-C19-C20
17	e	101	BCR	C18-C19-C20-C21
17	e	101	BCR	C21-C22-C23-C24
17	f	103	BCR	C9-C10-C11-C12
17	f	103	BCR	C10-C11-C12-C13
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	207	BCR	C5-C6-C7-C8
17	h	207	BCR	C11-C10-C9-C8
17	h	207	BCR	C11-C10-C9-C34
17	h	207	BCR	C10-C11-C12-C13
17	h	207	BCR	C11-C12-C13-C14
17	i	101	BCR	C17-C18-C19-C20
18	A	852	LHG	C1-C2-C3-O3
18	A	852	LHG	C3-O3-P-O5
18	A	852	LHG	C3-O3-P-O6
18	A	853	LHG	O1-C1-C2-C3
18	A	853	LHG	O9-C7-O7-C5
18	A	853	LHG	C8-C7-O7-C5
18	B	849	LHG	O1-C1-C2-C3
18	B	849	LHG	C1-C2-C3-O3
18	B	849	LHG	C3-O3-P-O4
18	B	849	LHG	C3-O3-P-O5
18	B	849	LHG	C3-O3-P-O6
18	G	850	LHG	O1-C1-C2-C3
18	G	850	LHG	O2-C2-C3-O3
18	G	850	LHG	C4-O6-P-O3
18	G	851	LHG	C3-O3-P-O5
18	G	851	LHG	C8-C7-O7-C5
18	H	849	LHG	C4-O6-P-O3
18	H	849	LHG	C4-O6-P-O4
18	H	849	LHG	C4-O6-P-O5
18	Y	850	LHG	O2-C2-C3-O3
18	Y	850	LHG	C4-O6-P-O3
18	Y	850	LHG	C4-O6-P-O4

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Mol	Chain	Res	Type	Atoms
18	Y	850	LHG	C4-O6-P-O5
18	Y	851	LHG	C1-C2-C3-O3
18	Y	851	LHG	C3-O3-P-O4
18	Y	851	LHG	C3-O3-P-O5
18	Y	851	LHG	C3-O3-P-O6
18	Y	851	LHG	C4-O6-P-O3
18	Y	851	LHG	C4-O6-P-O4
18	j	101	LHG	C2-C3-O3-P
18	j	101	LHG	C3-O3-P-O4
18	j	101	LHG	C4-O6-P-O3
18	j	101	LHG	C4-O6-P-O5
14	A	803	CLA	O1D-CGD-O2D-CED
14	A	811	CLA	O1D-CGD-O2D-CED
14	A	823	CLA	O1D-CGD-O2D-CED
14	B	808	CLA	O1D-CGD-O2D-CED
14	F	202	CLA	O1D-CGD-O2D-CED
14	G	809	CLA	O1D-CGD-O2D-CED
14	G	839	CLA	O1D-CGD-O2D-CED
14	H	809	CLA	O1D-CGD-O2D-CED
14	H	818	CLA	O1D-CGD-O2D-CED
14	H	822	CLA	O1D-CGD-O2D-CED
14	H	834	CLA	O1D-CGD-O2D-CED
14	Y	821	CLA	O1D-CGD-O2D-CED
14	Y	824	CLA	O1D-CGD-O2D-CED
14	Y	838	CLA	O1D-CGD-O2D-CED
14	Y	839	CLA	O1D-CGD-O2D-CED
14	Y	841	CLA	O1D-CGD-O2D-CED
14	Z	803	CLA	O1D-CGD-O2D-CED
14	Z	834	CLA	O1D-CGD-O2D-CED
14	B	840	CLA	C4C-C3C-CAC-CBC
14	H	840	CLA	C2C-C3C-CAC-CBC
14	A	807	CLA	O1D-CGD-O2D-CED
14	A	808	CLA	O1D-CGD-O2D-CED
14	A	840	CLA	O1D-CGD-O2D-CED
14	B	801	CLA	O1D-CGD-O2D-CED
14	B	802	CLA	O1D-CGD-O2D-CED
14	B	805	CLA	O1D-CGD-O2D-CED
14	B	821	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	O1D-CGD-O2D-CED
14	G	807	CLA	O1D-CGD-O2D-CED
14	G	824	CLA	O1D-CGD-O2D-CED
14	G	837	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	842	CLA	O1D-CGD-O2D-CED
14	G	852	CLA	O1D-CGD-O2D-CED
14	G	853	CLA	O1D-CGD-O2D-CED
14	H	801	CLA	O1D-CGD-O2D-CED
14	H	811	CLA	O1D-CGD-O2D-CED
14	H	851	CLA	O1D-CGD-O2D-CED
14	J	101	CLA	O1D-CGD-O2D-CED
14	Y	806	CLA	O1D-CGD-O2D-CED
14	Y	817	CLA	O1D-CGD-O2D-CED
14	Y	818	CLA	O1D-CGD-O2D-CED
14	Y	829	CLA	O1D-CGD-O2D-CED
14	Z	804	CLA	O1D-CGD-O2D-CED
14	Z	812	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	CBD-CGD-O2D-CED
14	A	803	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	817	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	CBD-CGD-O2D-CED
14	A	820	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	843	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	CBD-CGD-O2D-CED
14	B	815	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBD-CGD-O2D-CED
14	B	823	CLA	CBD-CGD-O2D-CED
14	B	824	CLA	CBD-CGD-O2D-CED
14	B	830	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	CBD-CGD-O2D-CED
14	B	839	CLA	CBD-CGD-O2D-CED
14	F	202	CLA	CBD-CGD-O2D-CED
14	G	807	CLA	CBD-CGD-O2D-CED
14	G	809	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	CBD-CGD-O2D-CED
14	G	818	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	CBD-CGD-O2D-CED
14	G	824	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	831	CLA	CBD-CGD-O2D-CED
14	G	837	CLA	CBD-CGD-O2D-CED
14	G	842	CLA	CBD-CGD-O2D-CED
14	G	853	CLA	CBD-CGD-O2D-CED
14	H	804	CLA	CBD-CGD-O2D-CED
14	H	809	CLA	CBD-CGD-O2D-CED
14	H	818	CLA	CBD-CGD-O2D-CED
14	H	835	CLA	CBD-CGD-O2D-CED
14	H	837	CLA	CBD-CGD-O2D-CED
14	H	851	CLA	CBD-CGD-O2D-CED
14	K	102	CLA	CBD-CGD-O2D-CED
14	L	202	CLA	CBD-CGD-O2D-CED
14	S	1102	CLA	CBD-CGD-O2D-CED
14	S	1103	CLA	CBD-CGD-O2D-CED
14	U	1002	CLA	CBD-CGD-O2D-CED
14	U	1006	CLA	CBD-CGD-O2D-CED
14	X	1701	CLA	CBD-CGD-O2D-CED
14	Y	809	CLA	CBD-CGD-O2D-CED
14	Y	812	CLA	CBD-CGD-O2D-CED
14	Y	818	CLA	CBD-CGD-O2D-CED
14	Y	821	CLA	CBD-CGD-O2D-CED
14	Y	822	CLA	CBD-CGD-O2D-CED
14	Y	824	CLA	CBD-CGD-O2D-CED
14	Y	829	CLA	CBD-CGD-O2D-CED
14	Y	832	CLA	CBD-CGD-O2D-CED
14	Y	833	CLA	CBD-CGD-O2D-CED
14	Y	841	CLA	CBD-CGD-O2D-CED
14	Z	807	CLA	CBD-CGD-O2D-CED
14	Z	808	CLA	CBD-CGD-O2D-CED
14	Z	809	CLA	CBD-CGD-O2D-CED
14	Z	814	CLA	CBD-CGD-O2D-CED
14	Z	815	CLA	CBD-CGD-O2D-CED
14	Z	818	CLA	CBD-CGD-O2D-CED
14	Z	822	CLA	CBD-CGD-O2D-CED
14	Z	828	CLA	CBD-CGD-O2D-CED
14	Z	833	CLA	CBD-CGD-O2D-CED
14	Z	837	CLA	CBD-CGD-O2D-CED
14	f	102	CLA	CBD-CGD-O2D-CED
14	g	102	CLA	CBD-CGD-O2D-CED
14	j	102	CLA	CBD-CGD-O2D-CED
13	G	801	CL0	O1A-CGA-O2A-C1
14	B	812	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	816	CLA	O1A-CGA-O2A-C1
14	B	824	CLA	O1A-CGA-O2A-C1
14	H	801	CLA	O1A-CGA-O2A-C1
14	H	851	CLA	O1A-CGA-O2A-C1
14	J	102	CLA	O1A-CGA-O2A-C1
14	S	1101	CLA	O1A-CGA-O2A-C1
14	U	1002	CLA	O1A-CGA-O2A-C1
14	Y	807	CLA	O1A-CGA-O2A-C1
14	Y	815	CLA	O1A-CGA-O2A-C1
14	Z	814	CLA	O1A-CGA-O2A-C1
14	Z	818	CLA	O1A-CGA-O2A-C1
14	h	201	CLA	O1A-CGA-O2A-C1
14	H	840	CLA	C4C-C3C-CAC-CBC
14	B	840	CLA	C2C-C3C-CAC-CBC
14	A	834	CLA	O1D-CGD-O2D-CED
14	B	815	CLA	O1D-CGD-O2D-CED
14	H	813	CLA	O1D-CGD-O2D-CED
14	Z	823	CLA	O1D-CGD-O2D-CED
18	Y	851	LHG	C8-C7-O7-C5
14	H	837	CLA	C5-C6-C7-C8
14	A	812	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	O1D-CGD-O2D-CED
14	B	806	CLA	O1D-CGD-O2D-CED
14	G	811	CLA	O1D-CGD-O2D-CED
14	L	202	CLA	O1D-CGD-O2D-CED
14	S	1102	CLA	O1D-CGD-O2D-CED
14	U	1002	CLA	O1D-CGD-O2D-CED
14	Y	822	CLA	O1D-CGD-O2D-CED
14	Z	807	CLA	O1D-CGD-O2D-CED
14	Z	818	CLA	O1D-CGD-O2D-CED
14	Z	828	CLA	O1D-CGD-O2D-CED
14	B	816	CLA	CBA-CGA-O2A-C1
14	B	824	CLA	CBA-CGA-O2A-C1
14	H	851	CLA	CBA-CGA-O2A-C1
14	J	102	CLA	CBA-CGA-O2A-C1
14	Y	815	CLA	CBA-CGA-O2A-C1
14	Z	818	CLA	CBA-CGA-O2A-C1
14	h	201	CLA	CBA-CGA-O2A-C1
14	A	816	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	CBD-CGD-O2D-CED
14	H	807	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	810	CLA	CBD-CGD-O2D-CED
14	Z	830	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	O1A-CGA-O2A-C1
14	B	811	CLA	O1A-CGA-O2A-C1
14	B	822	CLA	O1A-CGA-O2A-C1
14	B	831	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	O1A-CGA-O2A-C1
14	G	817	CLA	O1A-CGA-O2A-C1
14	G	841	CLA	O1A-CGA-O2A-C1
14	H	806	CLA	O1A-CGA-O2A-C1
14	H	822	CLA	O1A-CGA-O2A-C1
14	H	823	CLA	O1A-CGA-O2A-C1
14	L	206	CLA	O1A-CGA-O2A-C1
14	U	1006	CLA	O1A-CGA-O2A-C1
14	Y	804	CLA	O1A-CGA-O2A-C1
14	Y	829	CLA	O1A-CGA-O2A-C1
14	Z	826	CLA	O1A-CGA-O2A-C1
14	Z	830	CLA	O1A-CGA-O2A-C1
14	Z	814	CLA	C8-C10-C11-C12
13	G	801	CL0	O1D-CGD-O2D-CED
13	Y	801	CL0	O1D-CGD-O2D-CED
14	A	817	CLA	O1D-CGD-O2D-CED
14	A	820	CLA	O1D-CGD-O2D-CED
14	A	824	CLA	O1D-CGD-O2D-CED
14	A	829	CLA	O1D-CGD-O2D-CED
14	B	803	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	O1D-CGD-O2D-CED
14	G	802	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	O1D-CGD-O2D-CED
14	G	825	CLA	O1D-CGD-O2D-CED
14	G	834	CLA	O1D-CGD-O2D-CED
14	G	840	CLA	O1D-CGD-O2D-CED
14	H	802	CLA	O1D-CGD-O2D-CED
14	H	804	CLA	O1D-CGD-O2D-CED
14	H	821	CLA	O1D-CGD-O2D-CED
14	Z	813	CLA	O1D-CGD-O2D-CED
14	Z	822	CLA	O1D-CGD-O2D-CED
14	f	101	CLA	O1D-CGD-O2D-CED
14	g	102	CLA	O1D-CGD-O2D-CED
14	j	102	CLA	O1D-CGD-O2D-CED
14	A	815	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	833	CLA	O1D-CGD-O2D-CED
14	A	842	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	O1D-CGD-O2D-CED
14	B	813	CLA	O1D-CGD-O2D-CED
14	B	820	CLA	O1D-CGD-O2D-CED
14	B	829	CLA	O1D-CGD-O2D-CED
14	H	815	CLA	O1D-CGD-O2D-CED
14	H	827	CLA	O1D-CGD-O2D-CED
14	Y	810	CLA	O1D-CGD-O2D-CED
14	Y	823	CLA	O1D-CGD-O2D-CED
14	Y	840	CLA	O1D-CGD-O2D-CED
14	Z	805	CLA	O1D-CGD-O2D-CED
14	h	204	CLA	O1D-CGD-O2D-CED
14	Y	836	CLA	C10-C11-C12-C13
14	G	829	CLA	CBD-CGD-O2D-CED
14	U	1004	CLA	CBD-CGD-O2D-CED
14	A	834	CLA	O1A-CGA-O2A-C1
18	G	851	LHG	O9-C7-O7-C5
14	A	809	CLA	C3-C5-C6-C7
14	A	813	CLA	C3-C5-C6-C7
14	A	828	CLA	C3-C5-C6-C7
14	A	834	CLA	C3-C5-C6-C7
14	B	807	CLA	C3-C5-C6-C7
14	B	816	CLA	C3-C5-C6-C7
14	B	818	CLA	C3-C5-C6-C7
14	B	826	CLA	C3-C5-C6-C7
14	B	832	CLA	C3-C5-C6-C7
14	B	837	CLA	C3-C5-C6-C7
14	G	802	CLA	C3-C5-C6-C7
14	G	804	CLA	C3-C5-C6-C7
14	G	811	CLA	C3-C5-C6-C7
14	G	812	CLA	C3-C5-C6-C7
14	G	818	CLA	C3-C5-C6-C7
14	G	832	CLA	C3-C5-C6-C7
14	H	803	CLA	C3-C5-C6-C7
14	H	813	CLA	C3-C5-C6-C7
14	H	817	CLA	C3-C5-C6-C7
14	H	831	CLA	C3-C5-C6-C7
14	H	839	CLA	C3-C5-C6-C7
14	U	1002	CLA	C3-C5-C6-C7
14	U	1006	CLA	C3-C5-C6-C7
14	Y	808	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	Y	818	CLA	C3-C5-C6-C7
14	Z	801	CLA	C3-C5-C6-C7
14	Z	808	CLA	C3-C5-C6-C7
14	Z	812	CLA	C3-C5-C6-C7
14	Z	818	CLA	C3-C5-C6-C7
14	Z	827	CLA	C3-C5-C6-C7
14	f	102	CLA	C3-C5-C6-C7
14	B	835	CLA	O1D-CGD-O2D-CED
13	G	801	CL0	CBA-CGA-O2A-C1
14	A	804	CLA	CBA-CGA-O2A-C1
14	A	818	CLA	CBA-CGA-O2A-C1
14	A	821	CLA	CBA-CGA-O2A-C1
14	B	811	CLA	CBA-CGA-O2A-C1
14	B	812	CLA	CBA-CGA-O2A-C1
14	B	832	CLA	CBA-CGA-O2A-C1
14	G	841	CLA	CBA-CGA-O2A-C1
14	H	806	CLA	CBA-CGA-O2A-C1
14	H	822	CLA	CBA-CGA-O2A-C1
14	L	206	CLA	CBA-CGA-O2A-C1
14	S	1101	CLA	CBA-CGA-O2A-C1
14	U	1002	CLA	CBA-CGA-O2A-C1
14	U	1006	CLA	CBA-CGA-O2A-C1
14	Y	804	CLA	CBA-CGA-O2A-C1
14	Y	807	CLA	CBA-CGA-O2A-C1
14	Y	811	CLA	CBA-CGA-O2A-C1
14	Y	812	CLA	CBA-CGA-O2A-C1
14	Y	816	CLA	CBA-CGA-O2A-C1
14	Y	829	CLA	CBA-CGA-O2A-C1
14	Z	814	CLA	CBA-CGA-O2A-C1
14	Z	826	CLA	CBA-CGA-O2A-C1
14	f	102	CLA	CBA-CGA-O2A-C1
14	A	828	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	CBD-CGD-O2D-CED
14	B	840	CLA	CBD-CGD-O2D-CED
14	G	804	CLA	CBD-CGD-O2D-CED
14	G	808	CLA	CBD-CGD-O2D-CED
14	G	817	CLA	CBD-CGD-O2D-CED
14	G	823	CLA	CBD-CGD-O2D-CED
14	G	827	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	CBD-CGD-O2D-CED
14	H	808	CLA	CBD-CGD-O2D-CED
14	H	812	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	H	814	CLA	CBD-CGD-O2D-CED
14	H	817	CLA	CBD-CGD-O2D-CED
14	H	825	CLA	CBD-CGD-O2D-CED
14	H	829	CLA	CBD-CGD-O2D-CED
14	H	832	CLA	CBD-CGD-O2D-CED
14	H	833	CLA	CBD-CGD-O2D-CED
14	J	102	CLA	CBD-CGD-O2D-CED
14	Q	202	CLA	CBD-CGD-O2D-CED
14	U	1007	CLA	CBD-CGD-O2D-CED
14	Y	808	CLA	CBD-CGD-O2D-CED
14	Y	813	CLA	CBD-CGD-O2D-CED
14	Y	828	CLA	CBD-CGD-O2D-CED
14	Y	830	CLA	CBD-CGD-O2D-CED
14	Z	819	CLA	CBD-CGD-O2D-CED
14	Z	825	CLA	CBD-CGD-O2D-CED
14	Z	831	CLA	CBD-CGD-O2D-CED
14	Z	836	CLA	CBD-CGD-O2D-CED
14	h	201	CLA	CBD-CGD-O2D-CED
14	B	811	CLA	O1D-CGD-O2D-CED
14	H	830	CLA	O1D-CGD-O2D-CED
14	K	102	CLA	O1D-CGD-O2D-CED
14	Y	804	CLA	O1D-CGD-O2D-CED
14	Z	816	CLA	O1D-CGD-O2D-CED
14	Z	841	CLA	O1D-CGD-O2D-CED
14	G	820	CLA	O1A-CGA-O2A-C1
14	A	830	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	C4-C3-C5-C6
14	A	819	CLA	C4-C3-C5-C6
14	A	821	CLA	C4-C3-C5-C6
14	A	823	CLA	C4-C3-C5-C6
14	A	842	CLA	C4-C3-C5-C6
14	A	854	CLA	C4-C3-C5-C6
14	B	805	CLA	C4-C3-C5-C6
14	B	812	CLA	C4-C3-C5-C6
14	B	823	CLA	C4-C3-C5-C6
14	B	824	CLA	C4-C3-C5-C6
14	B	825	CLA	C4-C3-C5-C6
14	B	827	CLA	C4-C3-C5-C6
14	G	812	CLA	C4-C3-C5-C6
14	G	841	CLA	C4-C3-C5-C6
14	H	802	CLA	C4-C3-C5-C6
14	H	816	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	J	102	CLA	C4-C3-C5-C6
14	U	1006	CLA	C4-C3-C5-C6
14	Y	836	CLA	C4-C3-C5-C6
14	Z	826	CLA	C4-C3-C5-C6
13	G	801	CL0	C2-C3-C5-C6
14	A	819	CLA	C2-C3-C5-C6
14	A	823	CLA	C2-C3-C5-C6
14	A	854	CLA	C2-C3-C5-C6
14	B	823	CLA	C2-C3-C5-C6
14	B	824	CLA	C2-C3-C5-C6
14	B	825	CLA	C2-C3-C5-C6
14	G	812	CLA	C2-C3-C5-C6
14	G	841	CLA	C2-C3-C5-C6
14	H	802	CLA	C2-C3-C5-C6
14	H	803	CLA	C2-C3-C5-C6
14	H	816	CLA	C2-C3-C5-C6
14	U	1006	CLA	C2-C3-C5-C6
14	Y	836	CLA	C2-C3-C5-C6
14	Z	807	CLA	C2-C3-C5-C6
14	Z	826	CLA	C2-C3-C5-C6
14	A	818	CLA	CBD-CGD-O2D-CED
14	A	843	CLA	O1D-CGD-O2D-CED
14	B	823	CLA	O1D-CGD-O2D-CED
14	B	824	CLA	O1D-CGD-O2D-CED
14	G	819	CLA	O1D-CGD-O2D-CED
14	H	837	CLA	O1D-CGD-O2D-CED
14	U	1006	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	O1D-CGD-O2D-CED
14	Y	832	CLA	O1D-CGD-O2D-CED
14	Z	815	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	C2A-CAA-CBA-CGA
14	G	816	CLA	O1A-CGA-O2A-C1
14	H	840	CLA	O1A-CGA-O2A-C1
14	Y	833	CLA	O1A-CGA-O2A-C1
14	A	810	CLA	C3-C5-C6-C7
14	B	803	CLA	C3-C5-C6-C7
14	B	805	CLA	C3-C5-C6-C7
14	B	839	CLA	C3-C5-C6-C7
14	G	806	CLA	C3-C5-C6-C7
14	G	821	CLA	C3-C5-C6-C7
14	G	837	CLA	C3-C5-C6-C7
14	G	841	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	H	808	CLA	C3-C5-C6-C7
14	L	205	CLA	C3-C5-C6-C7
14	Y	809	CLA	C3-C5-C6-C7
14	Y	813	CLA	C3-C5-C6-C7
14	Y	825	CLA	C3-C5-C6-C7
14	Y	841	CLA	C3-C5-C6-C7
14	Z	828	CLA	C3-C5-C6-C7
14	Z	838	CLA	C3-C5-C6-C7
14	Z	840	CLA	C3-C5-C6-C7
14	A	805	CLA	CBA-CGA-O2A-C1
14	A	812	CLA	CBA-CGA-O2A-C1
14	A	830	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	CBA-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
14	B	815	CLA	CBA-CGA-O2A-C1
14	B	822	CLA	CBA-CGA-O2A-C1
14	B	831	CLA	CBA-CGA-O2A-C1
14	G	816	CLA	CBA-CGA-O2A-C1
14	G	817	CLA	CBA-CGA-O2A-C1
14	G	825	CLA	CBA-CGA-O2A-C1
14	H	801	CLA	CBA-CGA-O2A-C1
14	H	814	CLA	CBA-CGA-O2A-C1
14	H	819	CLA	CBA-CGA-O2A-C1
14	H	823	CLA	CBA-CGA-O2A-C1
14	H	840	CLA	CBA-CGA-O2A-C1
14	L	204	CLA	CBA-CGA-O2A-C1
14	L	205	CLA	CBA-CGA-O2A-C1
14	Y	813	CLA	CBA-CGA-O2A-C1
14	Y	825	CLA	CBA-CGA-O2A-C1
14	Z	830	CLA	CBA-CGA-O2A-C1
14	Z	837	CLA	CBA-CGA-O2A-C1
14	h	205	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	CBD-CGD-O2D-CED
17	A	846	BCR	C19-C20-C21-C22
17	A	851	BCR	C9-C10-C11-C12
17	B	842	BCR	C9-C10-C11-C12
17	B	842	BCR	C15-C16-C17-C18
17	B	843	BCR	C19-C20-C21-C22
17	G	845	BCR	C15-C16-C17-C18
17	G	846	BCR	C9-C10-C11-C12
17	G	848	BCR	C9-C10-C11-C12
17	H	843	BCR	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	J	103	BCR	C15-C16-C17-C18
17	L	207	BCR	C15-C16-C17-C18
17	R	101	BCR	C19-C20-C21-C22
17	Y	845	BCR	C15-C16-C17-C18
17	Y	852	BCR	C9-C10-C11-C12
17	Z	845	BCR	C15-C16-C17-C18
17	Z	847	BCR	C9-C10-C11-C12
17	d	203	BCR	C9-C10-C11-C12
17	e	101	BCR	C19-C20-C21-C22
14	A	812	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	A	838	CLA	O1A-CGA-O2A-C1
14	G	825	CLA	O1A-CGA-O2A-C1
14	H	819	CLA	O1A-CGA-O2A-C1
14	U	1003	CLA	O1A-CGA-O2A-C1
14	Y	812	CLA	O1A-CGA-O2A-C1
14	Y	813	CLA	O1A-CGA-O2A-C1
14	Y	816	CLA	O1A-CGA-O2A-C1
14	Y	825	CLA	O1A-CGA-O2A-C1
14	f	102	CLA	O1A-CGA-O2A-C1
14	h	205	CLA	O1A-CGA-O2A-C1
19	B	848	LMG	C35-C36-C37-C38
19	H	848	LMG	C35-C36-C37-C38
19	Z	849	LMG	C35-C36-C37-C38
14	B	830	CLA	O1D-CGD-O2D-CED
14	G	831	CLA	O1D-CGD-O2D-CED
14	Y	812	CLA	O1D-CGD-O2D-CED
14	Y	833	CLA	O1D-CGD-O2D-CED
14	Z	808	CLA	O1D-CGD-O2D-CED
14	Z	837	CLA	O1D-CGD-O2D-CED
18	Y	851	LHG	O9-C7-O7-C5
13	G	801	CL0	C3-C5-C6-C7
14	A	818	CLA	C3-C5-C6-C7
14	B	809	CLA	C3-C5-C6-C7
14	H	805	CLA	C3-C5-C6-C7
14	H	811	CLA	C3-C5-C6-C7
14	L	204	CLA	C3-C5-C6-C7
14	Z	807	CLA	C3-C5-C6-C7
14	Z	809	CLA	C3-C5-C6-C7
14	A	806	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	826	CLA	CBD-CGD-O2D-CED
14	G	806	CLA	CBD-CGD-O2D-CED
14	H	836	CLA	CBD-CGD-O2D-CED
14	L	206	CLA	CBD-CGD-O2D-CED
14	Y	803	CLA	CBD-CGD-O2D-CED
19	B	848	LMG	C20-C21-C22-C23
18	A	852	LHG	O2-C2-C3-O3
18	B	849	LHG	O2-C2-C3-O3
14	A	802	CLA	O1D-CGD-O2D-CED
14	B	839	CLA	O1D-CGD-O2D-CED
14	H	810	CLA	O1D-CGD-O2D-CED
14	Y	809	CLA	O1D-CGD-O2D-CED
14	f	102	CLA	O1D-CGD-O2D-CED
14	A	817	CLA	CBA-CGA-O2A-C1
14	A	823	CLA	CBA-CGA-O2A-C1
14	A	836	CLA	CBA-CGA-O2A-C1
14	G	820	CLA	CBA-CGA-O2A-C1
14	H	804	CLA	CBA-CGA-O2A-C1
14	H	805	CLA	CBA-CGA-O2A-C1
14	U	1003	CLA	CBA-CGA-O2A-C1
14	Y	808	CLA	CBA-CGA-O2A-C1
14	Y	833	CLA	CBA-CGA-O2A-C1
14	Z	801	CLA	CBA-CGA-O2A-C1
14	Z	823	CLA	CBA-CGA-O2A-C1
14	Z	841	CLA	CBA-CGA-O2A-C1
14	h	204	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	O1A-CGA-O2A-C1
14	A	821	CLA	O1A-CGA-O2A-C1
14	L	204	CLA	O1A-CGA-O2A-C1
14	A	814	CLA	O1D-CGD-O2D-CED
14	B	818	CLA	CBD-CGD-O2D-CED
14	B	827	CLA	CBD-CGD-O2D-CED
14	G	805	CLA	CBD-CGD-O2D-CED
14	G	841	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	O1A-CGA-O2A-C1
14	Y	811	CLA	O1A-CGA-O2A-C1
14	Z	823	CLA	O1A-CGA-O2A-C1
14	h	204	CLA	O1A-CGA-O2A-C1
14	B	814	CLA	O1D-CGD-O2D-CED
14	H	807	CLA	O1D-CGD-O2D-CED
14	Z	809	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	814	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	C3-C5-C6-C7
14	A	806	CLA	C3-C5-C6-C7
14	A	841	CLA	C3-C5-C6-C7
14	B	806	CLA	C3-C5-C6-C7
14	G	827	CLA	C3-C5-C6-C7
14	H	825	CLA	C3-C5-C6-C7
14	Y	816	CLA	CBD-CGD-O2D-CED
14	Z	811	CLA	CBD-CGD-O2D-CED
14	Z	835	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	O1D-CGD-O2D-CED
14	A	819	CLA	O1D-CGD-O2D-CED
14	B	817	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	O1D-CGD-O2D-CED
14	G	818	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	A	832	CLA	CBA-CGA-O2A-C1
14	G	817	CLA	C4-C3-C5-C6
14	G	820	CLA	C4-C3-C5-C6
14	G	830	CLA	C4-C3-C5-C6
14	H	824	CLA	C4-C3-C5-C6
14	H	827	CLA	C4-C3-C5-C6
14	H	828	CLA	C4-C3-C5-C6
14	h	206	CLA	C4-C3-C5-C6
14	A	821	CLA	C2-C3-C5-C6
14	A	842	CLA	C2-C3-C5-C6
14	B	813	CLA	C2-C3-C5-C6
14	G	817	CLA	C2-C3-C5-C6
14	G	820	CLA	C2-C3-C5-C6
14	H	824	CLA	C2-C3-C5-C6
14	H	828	CLA	C2-C3-C5-C6
14	J	102	CLA	C2-C3-C5-C6
14	A	817	CLA	O1A-CGA-O2A-C1
14	A	823	CLA	O1A-CGA-O2A-C1
14	A	836	CLA	O1A-CGA-O2A-C1
14	B	815	CLA	O1A-CGA-O2A-C1
14	Z	801	CLA	O1A-CGA-O2A-C1
14	Z	837	CLA	O1A-CGA-O2A-C1
14	Z	841	CLA	O1A-CGA-O2A-C1
19	B	848	LMG	O6-C5-C6-O5
14	G	816	CLA	CBD-CGD-O2D-CED
14	G	832	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
19	H	848	LMG	O6-C5-C6-O5
14	A	843	CLA	C2A-CAA-CBA-CGA
14	G	833	CLA	C2A-CAA-CBA-CGA
14	G	836	CLA	C2A-CAA-CBA-CGA
14	G	842	CLA	C2A-CAA-CBA-CGA
14	H	851	CLA	C2A-CAA-CBA-CGA
14	S	1103	CLA	O1D-CGD-O2D-CED
14	A	832	CLA	O1A-CGA-O2A-C1
14	H	804	CLA	O1A-CGA-O2A-C1
14	H	805	CLA	O1A-CGA-O2A-C1
14	H	814	CLA	O1A-CGA-O2A-C1
14	Y	808	CLA	O1A-CGA-O2A-C1
14	Y	825	CLA	C2C-C3C-CAC-CBC
14	A	820	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	CBA-CGA-O2A-C1
14	B	828	CLA	CBA-CGA-O2A-C1
14	G	812	CLA	CBA-CGA-O2A-C1
14	G	822	CLA	CBA-CGA-O2A-C1
14	h	206	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	CBD-CGD-O2D-CED
14	B	816	CLA	CBD-CGD-O2D-CED
14	B	825	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	CBD-CGD-O2D-CED
14	Y	815	CLA	CBD-CGD-O2D-CED
14	Z	810	CLA	CBD-CGD-O2D-CED
14	Z	829	CLA	CBD-CGD-O2D-CED
14	h	206	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	O1D-CGD-O2D-CED
14	G	829	CLA	O1D-CGD-O2D-CED
14	G	833	CLA	O1D-CGD-O2D-CED
14	H	814	CLA	O1D-CGD-O2D-CED
14	H	835	CLA	O1D-CGD-O2D-CED
14	Z	833	CLA	O1D-CGD-O2D-CED
14	H	826	CLA	CBD-CGD-O2D-CED
14	L	205	CLA	CBD-CGD-O2D-CED
14	T	103	CLA	CBD-CGD-O2D-CED
14	Z	824	CLA	CBD-CGD-O2D-CED
14	Z	810	CLA	C15-C16-C17-C18
14	Z	802	CLA	C3-C5-C6-C7
17	B	850	BCR	C15-C16-C17-C18
17	J	104	BCR	C9-C10-C11-C12
17	Z	843	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	Z	846	BCR	C15-C16-C17-C18
14	G	822	CLA	O1A-CGA-O2A-C1
14	H	813	CLA	O1A-CGA-O2A-C1
14	Z	841	CLA	C2C-C3C-CAC-CBC
18	G	850	LHG	C1-C2-C3-O3
14	A	809	CLA	CBA-CGA-O2A-C1
14	A	819	CLA	CBA-CGA-O2A-C1
14	A	839	CLA	CBA-CGA-O2A-C1
14	B	803	CLA	CBA-CGA-O2A-C1
14	B	809	CLA	CBA-CGA-O2A-C1
14	B	813	CLA	CBA-CGA-O2A-C1
14	B	821	CLA	CBA-CGA-O2A-C1
14	B	827	CLA	CBA-CGA-O2A-C1
14	G	803	CLA	CBA-CGA-O2A-C1
14	G	807	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	CBA-CGA-O2A-C1
14	G	829	CLA	CBA-CGA-O2A-C1
14	G	837	CLA	CBA-CGA-O2A-C1
14	H	813	CLA	CBA-CGA-O2A-C1
14	H	831	CLA	CBA-CGA-O2A-C1
14	H	836	CLA	CBA-CGA-O2A-C1
14	L	201	CLA	CBA-CGA-O2A-C1
14	U	1004	CLA	CBA-CGA-O2A-C1
14	Y	803	CLA	CBA-CGA-O2A-C1
14	Y	819	CLA	CBA-CGA-O2A-C1
14	Y	822	CLA	CBA-CGA-O2A-C1
14	Z	815	CLA	CBA-CGA-O2A-C1
14	Z	817	CLA	CBA-CGA-O2A-C1
14	Z	833	CLA	CBA-CGA-O2A-C1
18	B	849	LHG	C24-C23-O8-C6
18	Y	851	LHG	C24-C23-O8-C6
14	B	836	CLA	CBD-CGD-O2D-CED
14	G	813	CLA	CBD-CGD-O2D-CED
14	G	830	CLA	CBD-CGD-O2D-CED
14	Z	817	CLA	CBD-CGD-O2D-CED
14	Z	840	CLA	CBD-CGD-O2D-CED
14	A	826	CLA	C2C-C3C-CAC-CBC
14	B	812	CLA	C2C-C3C-CAC-CBC
18	Y	850	LHG	C13-C14-C15-C16
14	G	804	CLA	O1D-CGD-O2D-CED
14	Q	202	CLA	O1D-CGD-O2D-CED
19	H	848	LMG	C4-C5-C6-O5

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Mol	Chain	Res	Type	Atoms
14	H	812	CLA	O1D-CGD-O2D-CED
14	A	818	CLA	C4-C3-C5-C6
14	A	841	CLA	C4-C3-C5-C6
14	B	813	CLA	C4-C3-C5-C6
14	G	840	CLA	C4-C3-C5-C6
14	H	806	CLA	C4-C3-C5-C6
14	Y	840	CLA	C4-C3-C5-C6
14	A	806	CLA	C2-C3-C5-C6
14	A	818	CLA	C2-C3-C5-C6
14	A	841	CLA	C2-C3-C5-C6
14	B	805	CLA	C2-C3-C5-C6
14	B	812	CLA	C2-C3-C5-C6
14	B	827	CLA	C2-C3-C5-C6
14	G	840	CLA	C2-C3-C5-C6
14	H	806	CLA	C2-C3-C5-C6
14	H	827	CLA	C2-C3-C5-C6
14	Y	840	CLA	C2-C3-C5-C6
14	h	206	CLA	C2-C3-C5-C6
14	B	808	CLA	C3-C5-C6-C7
14	G	820	CLA	C3-C5-C6-C7
14	Y	806	CLA	C3-C5-C6-C7
14	A	809	CLA	C14-C13-C15-C16
14	A	819	CLA	C11-C10-C8-C9
14	A	827	CLA	C6-C7-C8-C9
14	A	828	CLA	C6-C7-C8-C9
14	A	828	CLA	C11-C10-C8-C9
14	B	804	CLA	C6-C7-C8-C9
14	B	807	CLA	C14-C13-C15-C16
14	B	808	CLA	C14-C13-C15-C16
14	B	809	CLA	C6-C7-C8-C9
14	B	839	CLA	C6-C7-C8-C9
14	G	809	CLA	C6-C7-C8-C9
14	G	821	CLA	C11-C12-C13-C14
14	G	825	CLA	C11-C12-C13-C14
14	G	827	CLA	C14-C13-C15-C16
14	G	830	CLA	C6-C7-C8-C9
14	G	852	CLA	C14-C13-C15-C16
14	H	805	CLA	C6-C7-C8-C9
14	H	814	CLA	C11-C12-C13-C14
14	H	825	CLA	C11-C10-C8-C9
14	L	201	CLA	C11-C12-C13-C14
14	L	205	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	S	1101	CLA	C11-C12-C13-C14
14	U	1006	CLA	C11-C12-C13-C14
14	Y	803	CLA	C6-C7-C8-C9
14	Y	806	CLA	C6-C7-C8-C9
14	Y	808	CLA	C14-C13-C15-C16
14	Y	822	CLA	C11-C10-C8-C9
14	Y	827	CLA	C11-C12-C13-C14
14	Y	830	CLA	C6-C7-C8-C9
14	Z	802	CLA	C6-C7-C8-C9
14	Z	804	CLA	C6-C7-C8-C9
14	Z	814	CLA	C14-C13-C15-C16
14	h	205	CLA	C6-C7-C8-C9
14	H	829	CLA	O1D-CGD-O2D-CED
14	U	1004	CLA	O1D-CGD-O2D-CED
14	Y	808	CLA	O1D-CGD-O2D-CED
14	Y	828	CLA	O1D-CGD-O2D-CED
14	Y	830	CLA	O1D-CGD-O2D-CED
14	Z	830	CLA	O1D-CGD-O2D-CED
18	A	853	LHG	C27-C28-C29-C30
18	A	853	LHG	O2-C2-C3-O3
18	Y	851	LHG	O2-C2-C3-O3
14	G	817	CLA	O1D-CGD-O2D-CED
14	G	827	CLA	O1D-CGD-O2D-CED
14	H	833	CLA	O1D-CGD-O2D-CED
14	Y	813	CLA	O1D-CGD-O2D-CED
14	Z	825	CLA	O1D-CGD-O2D-CED
14	G	826	CLA	CBA-CGA-O2A-C1
14	B	821	CLA	O1A-CGA-O2A-C1
14	G	812	CLA	O1A-CGA-O2A-C1
14	H	831	CLA	O1A-CGA-O2A-C1
18	Y	851	LHG	O10-C23-O8-C6
14	U	1007	CLA	O1D-CGD-O2D-CED
17	A	850	BCR	C11-C12-C13-C35
17	A	851	BCR	C11-C12-C13-C35
17	B	846	BCR	C7-C8-C9-C34
17	B	847	BCR	C11-C12-C13-C35
17	G	848	BCR	C11-C12-C13-C35
17	H	846	BCR	C7-C8-C9-C34
17	H	850	BCR	C11-C12-C13-C35
17	I	101	BCR	C11-C12-C13-C35
17	L	208	BCR	C11-C12-C13-C35
17	Y	846	BCR	C36-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
17	Z	843	BCR	C11-C12-C13-C35
17	Z	845	BCR	C11-C12-C13-C35
17	Z	846	BCR	C37-C22-C23-C24
17	Z	847	BCR	C7-C8-C9-C34
17	f	103	BCR	C11-C12-C13-C35
17	h	202	BCR	C11-C12-C13-C35
17	i	101	BCR	C36-C18-C19-C20
17	A	846	BCR	C21-C22-C23-C24
17	B	846	BCR	C7-C8-C9-C10
17	H	846	BCR	C7-C8-C9-C10
17	L	208	BCR	C11-C12-C13-C14
17	U	1009	BCR	C11-C12-C13-C14
14	A	839	CLA	C2A-CAA-CBA-CGA
14	Z	831	CLA	C2A-CAA-CBA-CGA
18	G	850	LHG	C23-C24-C25-C26
14	G	808	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	O1D-CGD-O2D-CED
14	G	829	CLA	O1A-CGA-O2A-C1
14	U	1004	CLA	O1A-CGA-O2A-C1
14	Y	803	CLA	O1A-CGA-O2A-C1
14	Y	822	CLA	O1A-CGA-O2A-C1
14	Z	833	CLA	O1A-CGA-O2A-C1
18	A	852	LHG	C8-C7-O7-C5
18	B	849	LHG	O7-C5-C6-O8
18	j	101	LHG	O7-C5-C6-O8
14	A	807	CLA	CBA-CGA-O2A-C1
14	B	836	CLA	CBA-CGA-O2A-C1
14	Y	831	CLA	CBA-CGA-O2A-C1
14	Z	806	CLA	CBA-CGA-O2A-C1
14	B	806	CLA	C15-C16-C17-C18
14	B	828	CLA	C15-C16-C17-C18
14	G	805	CLA	C13-C15-C16-C17
14	H	813	CLA	C5-C6-C7-C8
14	Y	805	CLA	C15-C16-C17-C18
14	h	204	CLA	C15-C16-C17-C18
18	H	849	LHG	C7-C8-C9-C10
14	A	825	CLA	C2-C1-O2A-CGA
14	B	816	CLA	C2-C1-O2A-CGA
14	B	822	CLA	C2-C1-O2A-CGA
14	B	823	CLA	C2-C1-O2A-CGA
14	G	805	CLA	C2-C1-O2A-CGA
14	H	802	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	H	813	CLA	C2-C1-O2A-CGA
14	H	814	CLA	C2-C1-O2A-CGA
14	H	819	CLA	C2-C1-O2A-CGA
14	H	831	CLA	C2-C1-O2A-CGA
14	Y	825	CLA	C2-C1-O2A-CGA
14	d	201	CLA	C2-C1-O2A-CGA
14	h	204	CLA	C2-C1-O2A-CGA
14	A	828	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	O1D-CGD-O2D-CED
14	H	825	CLA	O1D-CGD-O2D-CED
14	H	832	CLA	O1D-CGD-O2D-CED
14	Z	831	CLA	O1D-CGD-O2D-CED
14	H	806	CLA	CBD-CGD-O2D-CED
14	Y	807	CLA	CBD-CGD-O2D-CED
14	A	825	CLA	C2C-C3C-CAC-CBC
13	A	801	CL0	C8-C10-C11-C12
14	A	810	CLA	C5-C6-C7-C8
14	B	826	CLA	C15-C16-C17-C18
14	G	806	CLA	C15-C16-C17-C18
14	G	829	CLA	C15-C16-C17-C18
14	L	204	CLA	C15-C16-C17-C18
14	S	1101	CLA	C8-C10-C11-C12
14	Y	806	CLA	C15-C16-C17-C18
14	Y	828	CLA	C5-C6-C7-C8
14	Y	838	CLA	C8-C10-C11-C12
14	Y	841	CLA	C15-C16-C17-C18
14	Z	807	CLA	C10-C11-C12-C13
14	Z	818	CLA	C8-C10-C11-C12
14	Z	833	CLA	C5-C6-C7-C8
14	G	809	CLA	C3-C5-C6-C7
14	B	809	CLA	O1D-CGD-O2D-CED
14	h	201	CLA	O1D-CGD-O2D-CED
14	Y	819	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	C5-C6-C7-C8
14	G	819	CLA	C10-C11-C12-C13
14	H	827	CLA	C5-C6-C7-C8
14	L	201	CLA	C15-C16-C17-C18
14	A	831	CLA	CBD-CGD-O2D-CED
18	H	849	LHG	C27-C28-C29-C30
14	A	803	CLA	C11-C10-C8-C7
14	A	822	CLA	C11-C12-C13-C15
14	B	825	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
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	820	CLA	C11-C10-C8-C7
14	G	821	CLA	C12-C13-C15-C16
14	H	806	CLA	C11-C10-C8-C7
14	H	823	CLA	C6-C7-C8-C10
14	U	1004	CLA	C11-C12-C13-C15
14	Y	832	CLA	C11-C10-C8-C7
14	G	808	CLA	CBA-CGA-O2A-C1
14	G	827	CLA	CBA-CGA-O2A-C1
14	Y	823	CLA	CBA-CGA-O2A-C1
14	B	821	CLA	C5-C6-C7-C8
14	H	811	CLA	C5-C6-C7-C8
14	H	813	CLA	C8-C10-C11-C12
14	Y	819	CLA	C15-C16-C17-C18
14	Z	838	CLA	C8-C10-C11-C12
17	A	848	BCR	C15-C16-C17-C18
17	A	849	BCR	C9-C10-C11-C12
17	B	850	BCR	C9-C10-C11-C12
17	H	845	BCR	C15-C16-C17-C18
17	J	103	BCR	C9-C10-C11-C12
17	M	101	BCR	C9-C10-C11-C12
17	U	1005	BCR	C15-C16-C17-C18
17	Y	846	BCR	C15-C16-C17-C18
17	Z	844	BCR	C9-C10-C11-C12
17	Z	846	BCR	C19-C20-C21-C22
17	Z	848	BCR	C15-C16-C17-C18
17	e	101	BCR	C15-C16-C17-C18
14	L	201	CLA	CBD-CGD-O2D-CED
14	A	837	CLA	O1D-CGD-O2D-CED
14	A	831	CLA	C15-C16-C17-C18
14	G	828	CLA	C5-C6-C7-C8
14	H	818	CLA	C10-C11-C12-C13
14	H	825	CLA	C5-C6-C7-C8
14	U	1004	CLA	C8-C10-C11-C12
14	Y	819	CLA	C10-C11-C12-C13
14	Z	807	CLA	C5-C6-C7-C8
14	Z	828	CLA	C10-C11-C12-C13
18	H	849	LHG	C25-C26-C27-C28
18	B	849	LHG	C23-C24-C25-C26
14	A	809	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	803	CLA	O1A-CGA-O2A-C1
14	G	837	CLA	O1A-CGA-O2A-C1
14	H	836	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	O1A-CGA-O2A-C1
14	d	202	CLA	CBD-CGD-O2D-CED
14	B	840	CLA	O1D-CGD-O2D-CED
14	Z	811	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	CBA-CGA-O2A-C1
14	H	829	CLA	CBA-CGA-O2A-C1
13	A	801	CL0	C13-C15-C16-C17
14	A	810	CLA	C8-C10-C11-C12
14	A	820	CLA	C10-C11-C12-C13
14	A	841	CLA	C8-C10-C11-C12
14	B	805	CLA	C13-C15-C16-C17
14	B	807	CLA	C5-C6-C7-C8
14	B	822	CLA	C5-C6-C7-C8
14	G	818	CLA	C8-C10-C11-C12
14	G	819	CLA	C15-C16-C17-C18
14	G	824	CLA	C10-C11-C12-C13
14	G	832	CLA	C13-C15-C16-C17
14	H	801	CLA	C13-C15-C16-C17
14	H	831	CLA	C8-C10-C11-C12
14	Z	808	CLA	C8-C10-C11-C12
14	h	205	CLA	C8-C10-C11-C12
18	A	852	LHG	C2-C3-O3-P
14	A	806	CLA	C2A-CAA-CBA-CGA
14	A	823	CLA	C2A-CAA-CBA-CGA
14	B	829	CLA	C2A-CAA-CBA-CGA
14	B	839	CLA	C2A-CAA-CBA-CGA
14	G	804	CLA	C2A-CAA-CBA-CGA
14	G	811	CLA	C2A-CAA-CBA-CGA
14	G	812	CLA	C2A-CAA-CBA-CGA
14	G	822	CLA	C2A-CAA-CBA-CGA
14	H	811	CLA	C2A-CAA-CBA-CGA
14	H	815	CLA	C2A-CAA-CBA-CGA
14	H	839	CLA	C2A-CAA-CBA-CGA
14	U	1004	CLA	C2A-CAA-CBA-CGA
14	Y	807	CLA	C2A-CAA-CBA-CGA
14	Y	824	CLA	C2A-CAA-CBA-CGA
14	Y	834	CLA	C2A-CAA-CBA-CGA
14	Z	819	CLA	C2A-CAA-CBA-CGA
14	Z	839	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
17	G	846	BCR	C10-C11-C12-C13
17	R	101	BCR	C10-C11-C12-C13
13	Y	801	CL0	C13-C15-C16-C17
14	A	804	CLA	C15-C16-C17-C18
14	A	810	CLA	C13-C15-C16-C17
14	A	819	CLA	C10-C11-C12-C13
14	A	826	CLA	C13-C15-C16-C17
14	A	826	CLA	C15-C16-C17-C18
14	A	830	CLA	C15-C16-C17-C18
14	B	805	CLA	C5-C6-C7-C8
14	B	827	CLA	C5-C6-C7-C8
14	B	831	CLA	C5-C6-C7-C8
14	B	832	CLA	C5-C6-C7-C8
14	G	805	CLA	C15-C16-C17-C18
14	G	806	CLA	C10-C11-C12-C13
14	G	822	CLA	C13-C15-C16-C17
14	H	823	CLA	C8-C10-C11-C12
14	H	826	CLA	C13-C15-C16-C17
14	H	828	CLA	C5-C6-C7-C8
14	L	204	CLA	C10-C11-C12-C13
14	Y	817	CLA	C10-C11-C12-C13
14	Y	826	CLA	C8-C10-C11-C12
14	Y	827	CLA	C13-C15-C16-C17
18	j	101	LHG	C7-C8-C9-C10
14	J	102	CLA	O1D-CGD-O2D-CED
14	A	820	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	O1A-CGA-O2A-C1
14	B	809	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	O1A-CGA-O2A-C1
14	Y	823	CLA	O1A-CGA-O2A-C1
14	Z	817	CLA	O1A-CGA-O2A-C1
14	h	206	CLA	O1A-CGA-O2A-C1
14	H	823	CLA	C3-C5-C6-C7
19	H	848	LMG	O6-C1-O1-C7
13	Y	801	CL0	C5-C6-C7-C8
14	A	819	CLA	C15-C16-C17-C18
14	A	827	CLA	C5-C6-C7-C8
14	A	837	CLA	C13-C15-C16-C17
14	B	804	CLA	C13-C15-C16-C17
14	B	824	CLA	C8-C10-C11-C12
14	G	803	CLA	C8-C10-C11-C12
14	G	809	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	G	811	CLA	C13-C15-C16-C17
14	G	826	CLA	C8-C10-C11-C12
14	G	829	CLA	C10-C11-C12-C13
14	G	830	CLA	C5-C6-C7-C8
14	G	852	CLA	C13-C15-C16-C17
14	H	801	CLA	C10-C11-C12-C13
14	H	803	CLA	C10-C11-C12-C13
14	H	806	CLA	C10-C11-C12-C13
14	H	816	CLA	C5-C6-C7-C8
14	H	827	CLA	C15-C16-C17-C18
14	H	831	CLA	C5-C6-C7-C8
14	H	837	CLA	C10-C11-C12-C13
14	Y	806	CLA	C13-C15-C16-C17
14	Y	811	CLA	C5-C6-C7-C8
14	Y	811	CLA	C13-C15-C16-C17
14	Y	812	CLA	C5-C6-C7-C8
14	Y	828	CLA	C15-C16-C17-C18
14	Z	803	CLA	C8-C10-C11-C12
14	Z	809	CLA	C5-C6-C7-C8
14	Z	809	CLA	C8-C10-C11-C12
14	Z	814	CLA	C10-C11-C12-C13
14	Z	837	CLA	C8-C10-C11-C12
15	Y	842	PQN	C25-C26-C27-C28
18	G	851	LHG	O2-C2-C3-O3
14	H	808	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	CBA-CGA-O2A-C1
14	A	837	CLA	CBA-CGA-O2A-C1
14	G	813	CLA	CBA-CGA-O2A-C1
14	G	833	CLA	CBA-CGA-O2A-C1
14	Y	826	CLA	CBA-CGA-O2A-C1
14	G	821	CLA	CBD-CGD-O2D-CED
14	A	819	CLA	O1A-CGA-O2A-C1
14	B	828	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	O1A-CGA-O2A-C1
18	B	849	LHG	O10-C23-O8-C6
14	A	827	CLA	C10-C11-C12-C13
14	H	837	CLA	C8-C10-C11-C12
14	L	206	CLA	C13-C15-C16-C17
14	Y	830	CLA	C5-C6-C7-C8
18	A	852	LHG	O9-C7-O7-C5
14	G	805	CLA	O1D-CGD-O2D-CED
14	H	817	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	Z	819	CLA	O1D-CGD-O2D-CED
14	Z	836	CLA	O1D-CGD-O2D-CED
14	G	813	CLA	C10-C11-C12-C13
14	G	837	CLA	C15-C16-C17-C18
14	Y	818	CLA	C10-C11-C12-C13
14	Y	820	CLA	C10-C11-C12-C13
14	Z	810	CLA	C5-C6-C7-C8
14	Z	817	CLA	C5-C6-C7-C8
14	Z	841	CLA	C8-C10-C11-C12
14	A	807	CLA	O1A-CGA-O2A-C1
14	B	813	CLA	O1A-CGA-O2A-C1
14	B	836	CLA	O1A-CGA-O2A-C1
14	G	818	CLA	O1A-CGA-O2A-C1
14	G	826	CLA	O1A-CGA-O2A-C1
14	Z	815	CLA	O1A-CGA-O2A-C1
14	G	823	CLA	O1D-CGD-O2D-CED
14	H	836	CLA	O1D-CGD-O2D-CED
14	L	206	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	C13-C15-C16-C17
14	A	822	CLA	C13-C15-C16-C17
14	A	829	CLA	C8-C10-C11-C12
14	B	809	CLA	C13-C15-C16-C17
14	B	827	CLA	C10-C11-C12-C13
14	B	827	CLA	C15-C16-C17-C18
14	H	808	CLA	C13-C15-C16-C17
14	H	817	CLA	C13-C15-C16-C17
14	Y	825	CLA	C5-C6-C7-C8
14	Y	840	CLA	C5-C6-C7-C8
15	Z	842	PQN	C23-C25-C26-C27
14	A	827	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	G	815	CLA	CBA-CGA-O2A-C1
14	Y	818	CLA	CBA-CGA-O2A-C1
14	Y	824	CLA	CBA-CGA-O2A-C1
14	Y	830	CLA	CBA-CGA-O2A-C1
14	d	201	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	O1A-CGA-O2A-C1
14	G	808	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	O1A-CGA-O2A-C1
14	Y	831	CLA	O1A-CGA-O2A-C1
14	Z	806	CLA	O1A-CGA-O2A-C1
14	Z	835	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	819	CLA	C3-C5-C6-C7
14	Y	824	CLA	C3-C5-C6-C7
14	A	817	CLA	C2C-C3C-CAC-CBC
17	U	1008	BCR	C15-C16-C17-C18
17	Y	852	BCR	C15-C16-C17-C18
17	Z	843	BCR	C9-C10-C11-C12
13	Y	801	CL0	C15-C16-C17-C18
14	A	841	CLA	C13-C15-C16-C17
14	B	828	CLA	C10-C11-C12-C13
14	H	806	CLA	C13-C15-C16-C17
14	B	827	CLA	O1A-CGA-O2A-C1
14	H	851	CLA	C2C-C3C-CAC-CBC
18	A	853	LHG	C1-C2-C3-O3
18	G	851	LHG	C1-C2-C3-O3
18	Y	850	LHG	C1-C2-C3-O3
14	A	842	CLA	C2A-CAA-CBA-CGA
14	H	831	CLA	C2A-CAA-CBA-CGA
14	Y	835	CLA	C2A-CAA-CBA-CGA
14	Y	841	CLA	C2A-CAA-CBA-CGA
14	Z	818	CLA	C2A-CAA-CBA-CGA
14	f	102	CLA	C2A-CAA-CBA-CGA
14	B	827	CLA	O1D-CGD-O2D-CED
14	G	821	CLA	CBA-CGA-O2A-C1
14	H	816	CLA	CBA-CGA-O2A-C1
14	Y	806	CLA	CBA-CGA-O2A-C1
14	Y	820	CLA	CBA-CGA-O2A-C1
14	Y	835	CLA	CBA-CGA-O2A-C1
14	Z	803	CLA	CBA-CGA-O2A-C1
14	Z	812	CLA	CBA-CGA-O2A-C1
17	F	201	BCR	C14-C15-C16-C17
17	Y	846	BCR	C14-C15-C16-C17
14	A	826	CLA	C4C-C3C-CAC-CBC
14	Y	825	CLA	C4C-C3C-CAC-CBC
14	A	825	CLA	C5-C6-C7-C8
14	A	829	CLA	C13-C15-C16-C17
14	A	830	CLA	C8-C10-C11-C12
14	A	830	CLA	C13-C15-C16-C17
14	B	801	CLA	C13-C15-C16-C17
14	B	808	CLA	C15-C16-C17-C18
14	B	810	CLA	C5-C6-C7-C8
14	B	818	CLA	C10-C11-C12-C13
14	B	825	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	B	831	CLA	C10-C11-C12-C13
14	G	808	CLA	C13-C15-C16-C17
14	H	824	CLA	C5-C6-C7-C8
14	H	825	CLA	C8-C10-C11-C12
14	H	825	CLA	C10-C11-C12-C13
14	H	829	CLA	C8-C10-C11-C12
14	Y	804	CLA	C8-C10-C11-C12
14	Y	809	CLA	C8-C10-C11-C12
14	Y	822	CLA	C8-C10-C11-C12
14	Y	829	CLA	C13-C15-C16-C17
14	Y	829	CLA	C15-C16-C17-C18
14	Z	801	CLA	C10-C11-C12-C13
14	Z	815	CLA	C8-C10-C11-C12
14	Z	824	CLA	C10-C11-C12-C13
14	Z	827	CLA	C15-C16-C17-C18
14	Z	829	CLA	C13-C15-C16-C17
15	H	841	PQN	C15-C16-C17-C18
14	G	806	CLA	O1D-CGD-O2D-CED
14	G	841	CLA	O1D-CGD-O2D-CED
14	Y	816	CLA	O1D-CGD-O2D-CED
14	Z	829	CLA	O1D-CGD-O2D-CED
14	A	807	CLA	C10-C11-C12-C13
14	A	828	CLA	C10-C11-C12-C13
14	A	841	CLA	C5-C6-C7-C8
14	B	812	CLA	C10-C11-C12-C13
14	B	816	CLA	C15-C16-C17-C18
14	B	836	CLA	C5-C6-C7-C8
14	B	840	CLA	C15-C16-C17-C18
14	G	805	CLA	C10-C11-C12-C13
14	G	809	CLA	C5-C6-C7-C8
14	G	837	CLA	C13-C15-C16-C17
14	G	841	CLA	C15-C16-C17-C18
14	U	1006	CLA	C15-C16-C17-C18
14	Y	814	CLA	C5-C6-C7-C8
14	Y	825	CLA	C13-C15-C16-C17
14	Y	836	CLA	C5-C6-C7-C8
14	Z	804	CLA	C10-C11-C12-C13
14	Z	826	CLA	C8-C10-C11-C12
14	A	818	CLA	O1D-CGD-O2D-CED
14	S	1101	CLA	CBD-CGD-O2D-CED
14	Y	835	CLA	C2C-C3C-CAC-CBC
14	A	839	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	C8-C10-C11-C12
14	G	811	CLA	C15-C16-C17-C18
14	H	805	CLA	C13-C15-C16-C17
14	H	814	CLA	C5-C6-C7-C8
14	H	829	CLA	C13-C15-C16-C17
14	L	201	CLA	C10-C11-C12-C13
14	Y	805	CLA	C13-C15-C16-C17
14	Y	821	CLA	C15-C16-C17-C18
14	Y	838	CLA	C15-C16-C17-C18
14	Z	807	CLA	C13-C15-C16-C17
14	Z	809	CLA	C13-C15-C16-C17
14	Z	814	CLA	C13-C15-C16-C17
14	Z	820	CLA	C10-C11-C12-C13
15	G	843	PQN	C15-C16-C17-C18
15	H	841	PQN	C25-C26-C27-C28
15	Z	842	PQN	C15-C16-C17-C18
14	H	837	CLA	CBA-CGA-O2A-C1
14	A	837	CLA	C4-C3-C5-C6
14	B	801	CLA	C4-C3-C5-C6
14	S	1103	CLA	C4-C3-C5-C6
14	G	830	CLA	C2-C3-C5-C6
14	A	825	CLA	C10-C11-C12-C13
14	G	819	CLA	C5-C6-C7-C8
14	L	201	CLA	C5-C6-C7-C8
14	U	1002	CLA	C15-C16-C17-C18
14	Z	807	CLA	C15-C16-C17-C18
14	A	829	CLA	C3-C5-C6-C7
14	h	206	CLA	C3-C5-C6-C7
14	B	822	CLA	CBD-CGD-O2D-CED
18	B	849	LHG	C8-C7-O7-C5
14	G	813	CLA	O1A-CGA-O2A-C1
19	H	848	LMG	C2-C1-O1-C7
14	B	801	CLA	C10-C11-C12-C13
14	U	1007	CLA	C13-C15-C16-C17
14	Y	803	CLA	C5-C6-C7-C8
14	G	805	CLA	CBA-CGA-O2A-C1
14	H	839	CLA	CBA-CGA-O2A-C1
14	B	824	CLA	C16-C17-C18-C20
14	G	837	CLA	C16-C17-C18-C20
14	G	852	CLA	C16-C17-C18-C19
14	U	1002	CLA	C16-C17-C18-C19
14	Z	841	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	Z	811	CLA	C15-C16-C17-C18
17	A	846	BCR	C11-C10-C9-C34
17	A	848	BCR	C11-C10-C9-C34
17	A	848	BCR	C16-C17-C18-C36
17	B	846	BCR	C11-C10-C9-C34
17	B	847	BCR	C11-C10-C9-C34
17	B	850	BCR	C16-C17-C18-C36
17	G	846	BCR	C16-C17-C18-C36
17	G	849	BCR	C11-C10-C9-C34
17	H	846	BCR	C11-C10-C9-C34
17	H	847	BCR	C11-C10-C9-C34
17	I	102	BCR	C11-C10-C9-C34
17	L	207	BCR	C11-C10-C9-C34
17	L	207	BCR	C16-C17-C18-C36
17	S	1104	BCR	C11-C10-C9-C34
17	S	1105	BCR	C16-C17-C18-C36
17	U	1005	BCR	C16-C17-C18-C36
17	U	1009	BCR	C11-C10-C9-C34
17	V	101	BCR	C11-C10-C9-C34
17	Y	846	BCR	C16-C17-C18-C36
17	Y	849	BCR	C11-C10-C9-C34
17	Y	849	BCR	C16-C17-C18-C36
17	Y	852	BCR	C11-C10-C9-C34
17	Y	852	BCR	C16-C17-C18-C36
17	Z	847	BCR	C11-C10-C9-C34
17	Z	848	BCR	C11-C10-C9-C34
17	e	101	BCR	C11-C10-C9-C34
17	e	101	BCR	C16-C17-C18-C36
17	e	101	BCR	C20-C21-C22-C37
17	i	101	BCR	C11-C10-C9-C34
17	i	101	BCR	C16-C17-C18-C36
17	J	104	BCR	C37-C22-C23-C24
17	R	101	BCR	C37-C22-C23-C24
17	Y	844	BCR	C36-C18-C19-C20
17	Z	844	BCR	C11-C12-C13-C35
17	Z	846	BCR	C36-C18-C19-C20
17	A	851	BCR	C21-C22-C23-C24
17	H	845	BCR	C17-C18-C19-C20
17	I	102	BCR	C21-C22-C23-C24
17	Z	847	BCR	C7-C8-C9-C10
17	f	103	BCR	C11-C12-C13-C14
14	A	827	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	G	804	CLA	O1A-CGA-O2A-C1
14	G	815	CLA	O1A-CGA-O2A-C1
14	H	816	CLA	O1A-CGA-O2A-C1
14	Y	818	CLA	O1A-CGA-O2A-C1
14	A	826	CLA	C2A-CAA-CBA-CGA
14	B	822	CLA	C2A-CAA-CBA-CGA
14	B	827	CLA	C2A-CAA-CBA-CGA
14	G	805	CLA	C2A-CAA-CBA-CGA
14	G	824	CLA	C2A-CAA-CBA-CGA
14	G	840	CLA	C2A-CAA-CBA-CGA
14	H	823	CLA	C2A-CAA-CBA-CGA
14	H	828	CLA	C2A-CAA-CBA-CGA
14	K	101	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	C2A-CAA-CBA-CGA
14	Y	813	CLA	C2A-CAA-CBA-CGA
14	Z	811	CLA	C2A-CAA-CBA-CGA
14	Z	817	CLA	C2A-CAA-CBA-CGA
14	Y	820	CLA	C5-C6-C7-C8
15	Z	842	PQN	C25-C26-C27-C28
18	G	851	LHG	O1-C1-C2-C3
18	Y	851	LHG	O1-C1-C2-C3
17	A	847	BCR	C15-C16-C17-C18
17	B	844	BCR	C9-C10-C11-C12
17	U	1008	BCR	C19-C20-C21-C22
14	A	842	CLA	C16-C17-C18-C19
14	B	808	CLA	C16-C17-C18-C19
14	G	824	CLA	C11-C12-C13-C15
14	H	829	CLA	C16-C17-C18-C20
14	L	201	CLA	C16-C17-C18-C19
14	Z	823	CLA	C6-C7-C8-C10
14	Z	826	CLA	C16-C17-C18-C19
14	f	102	CLA	C6-C7-C8-C10
14	G	816	CLA	O1D-CGD-O2D-CED
14	G	835	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	O1A-CGA-O2A-C1
14	H	829	CLA	O1A-CGA-O2A-C1
14	Y	826	CLA	O1A-CGA-O2A-C1
14	Y	835	CLA	O1A-CGA-O2A-C1
14	A	854	CLA	C3-C5-C6-C7
14	B	801	CLA	C3-C5-C6-C7
14	B	831	CLA	C3-C5-C6-C7
14	Y	827	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	B	827	CLA	C13-C15-C16-C17
14	H	807	CLA	C13-C15-C16-C17
14	Z	828	CLA	C15-C16-C17-C18
17	A	846	BCR	C11-C10-C9-C8
17	A	848	BCR	C11-C10-C9-C8
17	A	849	BCR	C11-C10-C9-C8
17	B	846	BCR	C11-C10-C9-C8
17	G	847	BCR	C11-C10-C9-C8
17	I	102	BCR	C11-C10-C9-C8
17	L	207	BCR	C11-C10-C9-C8
17	S	1104	BCR	C11-C10-C9-C8
17	S	1105	BCR	C16-C17-C18-C19
17	U	1005	BCR	C16-C17-C18-C19
17	V	101	BCR	C11-C10-C9-C8
17	Y	849	BCR	C11-C10-C9-C8
17	Y	849	BCR	C16-C17-C18-C19
17	Y	852	BCR	C11-C10-C9-C8
17	Z	843	BCR	C16-C17-C18-C19
17	Z	848	BCR	C11-C10-C9-C8
17	e	101	BCR	C11-C10-C9-C8
17	h	202	BCR	C11-C10-C9-C8
17	i	101	BCR	C11-C10-C9-C8
18	B	849	LHG	O9-C7-O7-C5
18	G	850	LHG	C8-C7-O7-C5
14	A	823	CLA	C8-C10-C11-C12
14	Z	808	CLA	C5-C6-C7-C8
14	B	818	CLA	O1D-CGD-O2D-CED
14	A	841	CLA	O1D-CGD-O2D-CED
14	Y	803	CLA	O1D-CGD-O2D-CED
14	Y	821	CLA	CBA-CGA-O2A-C1
18	H	849	LHG	C24-C23-O8-C6
14	B	804	CLA	C15-C16-C17-C18
14	B	807	CLA	C13-C15-C16-C17
14	G	806	CLA	C5-C6-C7-C8
14	G	808	CLA	C8-C10-C11-C12
14	L	204	CLA	C13-C15-C16-C17
14	W	1701	CLA	CBD-CGD-O2D-CED
18	A	853	LHG	C23-C24-C25-C26
14	A	806	CLA	C2-C1-O2A-CGA
14	A	823	CLA	C2-C1-O2A-CGA
14	B	813	CLA	C2-C1-O2A-CGA
14	G	814	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	H	806	CLA	C2-C1-O2A-CGA
14	S	1103	CLA	C2-C1-O2A-CGA
14	Y	807	CLA	C2-C1-O2A-CGA
14	Y	816	CLA	C2-C1-O2A-CGA
14	Y	826	CLA	C2-C1-O2A-CGA
14	Z	841	CLA	C2-C1-O2A-CGA
14	A	804	CLA	C16-C17-C18-C19
14	A	822	CLA	C16-C17-C18-C19
14	A	841	CLA	C16-C17-C18-C19
14	B	825	CLA	C16-C17-C18-C20
14	B	831	CLA	C16-C17-C18-C19
14	G	833	CLA	C16-C17-C18-C19
14	H	817	CLA	C16-C17-C18-C19
14	Y	803	CLA	C16-C17-C18-C20
14	Y	808	CLA	C16-C17-C18-C20
14	Y	811	CLA	C16-C17-C18-C20
14	Z	801	CLA	C16-C17-C18-C20
14	Z	810	CLA	C16-C17-C18-C19
14	Z	826	CLA	C16-C17-C18-C20
14	h	204	CLA	C16-C17-C18-C20
15	B	841	PQN	C26-C27-C28-C29
15	Z	842	PQN	C26-C27-C28-C30
14	H	817	CLA	C15-C16-C17-C18
14	Y	825	CLA	C8-C10-C11-C12
14	G	832	CLA	O1D-CGD-O2D-CED
14	A	825	CLA	C4C-C3C-CAC-CBC
14	B	812	CLA	C4C-C3C-CAC-CBC
18	B	849	LHG	C13-C14-C15-C16
14	H	840	CLA	CBD-CGD-O2D-CED
17	G	846	BCR	C14-C15-C16-C17
17	H	842	BCR	C14-C15-C16-C17
17	H	845	BCR	C14-C15-C16-C17
18	G	851	LHG	C25-C26-C27-C28
14	A	829	CLA	C5-C6-C7-C8
14	G	828	CLA	C13-C15-C16-C17
18	Y	851	LHG	C24-C25-C26-C27
19	Z	849	LMG	C14-C15-C16-C17
14	A	837	CLA	O1A-CGA-O2A-C1
14	Y	820	CLA	O1A-CGA-O2A-C1
14	Y	824	CLA	O1A-CGA-O2A-C1
14	G	831	CLA	CBA-CGA-O2A-C1
14	H	824	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
18	B	849	LHG	O1-C1-C2-O2
18	G	850	LHG	O1-C1-C2-O2
18	G	851	LHG	O1-C1-C2-O2
18	Y	851	LHG	O1-C1-C2-O2
18	Y	850	LHG	C11-C12-C13-C14
14	G	817	CLA	C10-C11-C12-C13
14	A	818	CLA	C4B-C3B-CAB-CBB
14	A	843	CLA	C4B-C3B-CAB-CBB
14	B	809	CLA	C4B-C3B-CAB-CBB
14	B	827	CLA	C4B-C3B-CAB-CBB
14	B	835	CLA	C4B-C3B-CAB-CBB
14	G	828	CLA	C4B-C3B-CAB-CBB
14	G	831	CLA	C4B-C3B-CAB-CBB
14	H	804	CLA	C4B-C3B-CAB-CBB
14	H	823	CLA	C4B-C3B-CAB-CBB
14	H	830	CLA	C4B-C3B-CAB-CBB
14	J	101	CLA	C4B-C3B-CAB-CBB
14	U	1002	CLA	C4B-C3B-CAB-CBB
14	U	1007	CLA	C4B-C3B-CAB-CBB
14	Y	802	CLA	C4B-C3B-CAB-CBB
14	Y	817	CLA	C4B-C3B-CAB-CBB
14	Z	802	CLA	C4B-C3B-CAB-CBB
14	Z	838	CLA	C4B-C3B-CAB-CBB
14	Z	840	CLA	C4B-C3B-CAB-CBB
14	A	804	CLA	C16-C17-C18-C20
14	A	809	CLA	C16-C17-C18-C19
14	A	809	CLA	C16-C17-C18-C20
14	A	826	CLA	C16-C17-C18-C19
14	A	830	CLA	C16-C17-C18-C19
14	A	841	CLA	C16-C17-C18-C20
14	A	854	CLA	C16-C17-C18-C20
14	G	824	CLA	C11-C12-C13-C14
14	G	833	CLA	C16-C17-C18-C20
14	G	837	CLA	C16-C17-C18-C19
14	H	806	CLA	C16-C17-C18-C20
14	H	822	CLA	C6-C7-C8-C9
14	H	822	CLA	C6-C7-C8-C10
14	L	201	CLA	C16-C17-C18-C20
14	U	1002	CLA	C16-C17-C18-C20
14	Y	803	CLA	C16-C17-C18-C19
14	Y	808	CLA	C16-C17-C18-C19
14	Y	811	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	Y	819	CLA	C16-C17-C18-C20
14	Y	829	CLA	C16-C17-C18-C19
14	Y	829	CLA	C16-C17-C18-C20
14	Y	836	CLA	C16-C17-C18-C19
14	Y	836	CLA	C16-C17-C18-C20
14	Z	808	CLA	C16-C17-C18-C19
14	Z	828	CLA	C16-C17-C18-C19
15	B	841	PQN	C26-C27-C28-C30
14	A	806	CLA	O1D-CGD-O2D-CED
14	A	809	CLA	O1D-CGD-O2D-CED
14	Y	830	CLA	O1A-CGA-O2A-C1
14	H	820	CLA	C2A-CAA-CBA-CGA
14	J	102	CLA	C2A-CAA-CBA-CGA
14	Z	840	CLA	C2A-CAA-CBA-CGA
14	A	833	CLA	C8-C10-C11-C12
14	G	825	CLA	C15-C16-C17-C18
14	Z	806	CLA	C15-C16-C17-C18
14	h	204	CLA	C10-C11-C12-C13
15	B	841	PQN	C25-C26-C27-C28
18	Y	850	LHG	C8-C7-O7-C5
19	Z	849	LMG	C19-C20-C21-C22
14	B	806	CLA	C6-C7-C8-C10
14	Y	826	CLA	C6-C7-C8-C10
14	Y	832	CLA	C12-C13-C15-C16
14	Z	807	CLA	C11-C10-C8-C7
14	Z	814	CLA	C11-C12-C13-C15
14	Z	840	CLA	C11-C10-C8-C7
15	B	841	PQN	C17-C18-C20-C21
14	B	817	CLA	CBA-CGA-O2A-C1
14	Y	814	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	C13-C15-C16-C17
14	A	819	CLA	C5-C6-C7-C8
14	B	807	CLA	C10-C11-C12-C13
14	Y	805	CLA	C8-C10-C11-C12
14	h	201	CLA	C5-C6-C7-C8
14	H	837	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	C3-C5-C6-C7
14	H	804	CLA	C3-C5-C6-C7
14	A	804	CLA	C3A-C2A-CAA-CBA
14	A	806	CLA	C3A-C2A-CAA-CBA
14	A	814	CLA	C3A-C2A-CAA-CBA
14	A	815	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	836	CLA	C3A-C2A-CAA-CBA
14	B	818	CLA	C3A-C2A-CAA-CBA
14	B	827	CLA	C3A-C2A-CAA-CBA
14	B	840	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C3A-C2A-CAA-CBA
14	G	806	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C3A-C2A-CAA-CBA
14	G	835	CLA	C3A-C2A-CAA-CBA
14	G	836	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	C3A-C2A-CAA-CBA
14	H	836	CLA	C3A-C2A-CAA-CBA
14	Y	806	CLA	C3A-C2A-CAA-CBA
14	Y	823	CLA	C3A-C2A-CAA-CBA
14	Y	835	CLA	C3A-C2A-CAA-CBA
14	B	816	CLA	O1D-CGD-O2D-CED
14	S	1103	CLA	C2-C3-C5-C6
14	B	805	CLA	C8-C10-C11-C12
14	B	813	CLA	C8-C10-C11-C12
14	H	836	CLA	C5-C6-C7-C8
14	L	206	CLA	C5-C6-C7-C8
14	Y	829	CLA	C5-C6-C7-C8
14	B	825	CLA	O1D-CGD-O2D-CED
17	F	201	BCR	C15-C16-C17-C18
13	A	801	CL0	C16-C17-C18-C19
14	A	807	CLA	C16-C17-C18-C19
14	B	839	CLA	C16-C17-C18-C19
14	G	819	CLA	C16-C17-C18-C20
14	G	852	CLA	C16-C17-C18-C20
14	H	806	CLA	C16-C17-C18-C19
14	H	809	CLA	C16-C17-C18-C20
14	H	829	CLA	C16-C17-C18-C19
14	L	204	CLA	C16-C17-C18-C19
14	L	204	CLA	C16-C17-C18-C20
14	Z	801	CLA	C16-C17-C18-C19
14	Z	807	CLA	C16-C17-C18-C19
14	Z	807	CLA	C16-C17-C18-C20
14	Z	823	CLA	C6-C7-C8-C9
14	h	204	CLA	C16-C17-C18-C19
14	A	833	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	O1A-CGA-O2A-C1
14	G	833	CLA	O1A-CGA-O2A-C1
14	L	205	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	T	103	CLA	O1D-CGD-O2D-CED
13	Y	801	CL0	CBA-CGA-O2A-C1
14	G	840	CLA	CBA-CGA-O2A-C1
14	Y	836	CLA	CBA-CGA-O2A-C1
14	Y	837	CLA	CBA-CGA-O2A-C1
14	Z	820	CLA	CBA-CGA-O2A-C1
18	A	852	LHG	C33-C34-C35-C36
14	G	817	CLA	C3-C5-C6-C7
14	B	808	CLA	C13-C15-C16-C17
18	A	852	LHG	C13-C14-C15-C16
14	G	821	CLA	O1A-CGA-O2A-C1
14	Y	837	CLA	O1A-CGA-O2A-C1
14	Z	803	CLA	O1A-CGA-O2A-C1
14	H	826	CLA	O1D-CGD-O2D-CED
14	Z	840	CLA	O1D-CGD-O2D-CED
14	H	806	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	C16-C17-C18-C20
14	H	839	CLA	O1A-CGA-O2A-C1
14	Z	812	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	C2B-C3B-CAB-CBB
14	B	809	CLA	C2B-C3B-CAB-CBB
14	B	815	CLA	C2B-C3B-CAB-CBB
14	B	820	CLA	C2B-C3B-CAB-CBB
14	B	827	CLA	C2B-C3B-CAB-CBB
14	H	802	CLA	C2B-C3B-CAB-CBB
14	H	808	CLA	C2B-C3B-CAB-CBB
14	L	202	CLA	C2B-C3B-CAB-CBB
14	L	204	CLA	C2B-C3B-CAB-CBB
14	U	1002	CLA	C2B-C3B-CAB-CBB
14	Y	811	CLA	C2B-C3B-CAB-CBB
14	Y	817	CLA	C2B-C3B-CAB-CBB
14	Y	833	CLA	C2B-C3B-CAB-CBB
14	Z	838	CLA	C2B-C3B-CAB-CBB
14	Z	840	CLA	C2B-C3B-CAB-CBB
17	A	846	BCR	C23-C24-C25-C26
17	A	847	BCR	C1-C6-C7-C8
17	A	850	BCR	C23-C24-C25-C30
17	B	845	BCR	C23-C24-C25-C30
17	B	846	BCR	C5-C6-C7-C8
17	B	846	BCR	C23-C24-C25-C26
17	B	846	BCR	C23-C24-C25-C30
17	B	850	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	B	850	BCR	C23-C24-C25-C30
17	G	845	BCR	C23-C24-C25-C26
17	G	847	BCR	C23-C24-C25-C26
17	G	848	BCR	C1-C6-C7-C8
17	H	842	BCR	C5-C6-C7-C8
17	H	842	BCR	C23-C24-C25-C30
17	H	843	BCR	C5-C6-C7-C8
17	H	843	BCR	C23-C24-C25-C26
17	H	843	BCR	C23-C24-C25-C30
17	H	844	BCR	C1-C6-C7-C8
17	H	846	BCR	C1-C6-C7-C8
17	J	103	BCR	C1-C6-C7-C8
17	J	104	BCR	C1-C6-C7-C8
17	L	207	BCR	C1-C6-C7-C8
17	L	207	BCR	C5-C6-C7-C8
17	L	208	BCR	C1-C6-C7-C8
17	M	101	BCR	C23-C24-C25-C26
17	Q	201	BCR	C5-C6-C7-C8
17	R	101	BCR	C23-C24-C25-C30
17	R	102	BCR	C23-C24-C25-C30
17	S	1104	BCR	C1-C6-C7-C8
17	S	1104	BCR	C5-C6-C7-C8
17	S	1104	BCR	C23-C24-C25-C26
17	S	1104	BCR	C23-C24-C25-C30
17	T	102	BCR	C23-C24-C25-C30
17	U	1008	BCR	C23-C24-C25-C26
17	V	101	BCR	C5-C6-C7-C8
17	V	101	BCR	C23-C24-C25-C26
17	V	101	BCR	C23-C24-C25-C30
17	Y	846	BCR	C5-C6-C7-C8
17	Y	848	BCR	C23-C24-C25-C26
17	Z	844	BCR	C23-C24-C25-C26
17	Z	844	BCR	C23-C24-C25-C30
17	Z	847	BCR	C5-C6-C7-C8
17	Z	848	BCR	C5-C6-C7-C8
17	Z	850	BCR	C5-C6-C7-C8
17	e	101	BCR	C23-C24-C25-C30
17	h	207	BCR	C1-C6-C7-C8
14	H	831	CLA	CBD-CGD-O2D-CED
14	Y	831	CLA	CBD-CGD-O2D-CED
14	A	829	CLA	CBA-CGA-O2A-C1
14	Y	841	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	h	201	CLA	C13-C15-C16-C17
14	H	802	CLA	C3-C5-C6-C7
14	Y	814	CLA	C2C-C3C-CAC-CBC
14	A	825	CLA	C2A-CAA-CBA-CGA
14	B	811	CLA	C2A-CAA-CBA-CGA
14	B	831	CLA	C2A-CAA-CBA-CGA
14	G	802	CLA	C2A-CAA-CBA-CGA
14	G	841	CLA	C2A-CAA-CBA-CGA
14	Y	822	CLA	C2A-CAA-CBA-CGA
14	A	807	CLA	C15-C16-C17-C18
14	B	805	CLA	C10-C11-C12-C13
14	G	831	CLA	O1A-CGA-O2A-C1
14	H	824	CLA	O1A-CGA-O2A-C1
14	Y	806	CLA	O1A-CGA-O2A-C1
14	Y	836	CLA	O1A-CGA-O2A-C1
18	H	849	LHG	O10-C23-O8-C6
14	H	824	CLA	CBD-CGD-O2D-CED
19	Z	849	LMG	C31-C32-C33-C34
14	G	819	CLA	C4-C3-C5-C6
14	Y	830	CLA	C4-C3-C5-C6
18	H	849	LHG	C9-C10-C11-C12
17	A	849	BCR	C18-C19-C20-C21
17	F	201	BCR	C18-C19-C20-C21
17	G	846	BCR	C18-C19-C20-C21
17	H	842	BCR	C18-C19-C20-C21
17	H	844	BCR	C10-C11-C12-C13
17	M	101	BCR	C18-C19-C20-C21
17	R	102	BCR	C18-C19-C20-C21
17	T	102	BCR	C18-C19-C20-C21
17	U	1008	BCR	C18-C19-C20-C21
17	i	101	BCR	C10-C11-C12-C13
13	Y	801	CL0	C10-C11-C12-C13
14	B	836	CLA	C8-C10-C11-C12
14	G	804	CLA	C8-C10-C11-C12
14	G	809	CLA	C15-C16-C17-C18
14	A	837	CLA	C2-C3-C5-C6
14	B	801	CLA	C2-C3-C5-C6
14	H	808	CLA	C11-C12-C13-C14
14	G	840	CLA	C10-C11-C12-C13
14	Z	826	CLA	C5-C6-C7-C8
14	Z	837	CLA	C10-C11-C12-C13
14	A	804	CLA	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	805	CLA	C10-C11-C12-C13
18	Y	850	LHG	C33-C34-C35-C36
19	B	848	LMG	C11-C12-C13-C14
14	H	805	CLA	C15-C16-C17-C18
14	H	840	CLA	C15-C16-C17-C18
15	H	841	PQN	C18-C20-C21-C22
14	G	840	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	O1D-CGD-O2D-CED
18	A	852	LHG	C26-C27-C28-C29
18	A	852	LHG	C29-C30-C31-C32
18	A	852	LHG	C15-C16-C17-C18
14	A	814	CLA	CBA-CGA-O2A-C1
17	Y	846	BCR	C9-C10-C11-C12
14	B	825	CLA	C16-C17-C18-C19
15	Z	842	PQN	C26-C27-C28-C29
14	A	826	CLA	C5-C6-C7-C8
14	G	817	CLA	C8-C10-C11-C12
14	G	840	CLA	C13-C15-C16-C17
14	U	1003	CLA	C13-C15-C16-C17
14	Y	820	CLA	C8-C10-C11-C12
15	G	843	PQN	C20-C21-C22-C23
18	G	850	LHG	O9-C7-O7-C5
18	G	850	LHG	C28-C29-C30-C31
14	A	815	CLA	C2C-C3C-CAC-CBC
14	Z	806	CLA	C13-C15-C16-C17
17	U	1008	BCR	C11-C12-C13-C35
14	U	1004	CLA	C3-C5-C6-C7
14	Z	817	CLA	C3-C5-C6-C7
17	L	207	BCR	C11-C12-C13-C14
14	B	818	CLA	C2A-CAA-CBA-CGA
14	A	822	CLA	C16-C17-C18-C20
14	A	830	CLA	C16-C17-C18-C20
14	B	805	CLA	C16-C17-C18-C20
14	B	839	CLA	C16-C17-C18-C20
14	G	840	CLA	C16-C17-C18-C19
14	Z	810	CLA	C16-C17-C18-C20
14	A	820	CLA	C4-C3-C5-C6
15	B	841	PQN	C14-C13-C15-C16
14	B	817	CLA	O1A-CGA-O2A-C1
14	G	827	CLA	C2C-C3C-CAC-CBC
14	A	812	CLA	C10-C11-C12-C13
14	H	840	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C13-C15-C16-C17
14	Z	841	CLA	C15-C16-C17-C18
14	h	206	CLA	C13-C15-C16-C17
15	B	841	PQN	C23-C25-C26-C27
14	A	807	CLA	C2C-C3C-CAC-CBC
14	H	827	CLA	C3-C5-C6-C7
14	h	205	CLA	C3-C5-C6-C7
14	G	827	CLA	C13-C15-C16-C17
14	A	822	CLA	CBA-CGA-O2A-C1
19	H	848	LMG	C11-C12-C13-C14
14	A	810	CLA	C10-C11-C12-C13
14	G	840	CLA	C15-C16-C17-C18
14	H	813	CLA	C10-C11-C12-C13
14	Y	808	CLA	C5-C6-C7-C8
14	Y	836	CLA	C13-C15-C16-C17
14	Z	829	CLA	C5-C6-C7-C8
14	B	808	CLA	C16-C17-C18-C20
13	Y	801	CL0	O1A-CGA-O2A-C1
14	Y	821	CLA	O1A-CGA-O2A-C1
14	Z	820	CLA	O1A-CGA-O2A-C1
14	Y	815	CLA	O1D-CGD-O2D-CED
14	A	839	CLA	C15-C16-C17-C18
14	B	815	CLA	C5-C6-C7-C8
14	G	818	CLA	C10-C11-C12-C13
14	G	837	CLA	C8-C10-C11-C12
14	H	818	CLA	C8-C10-C11-C12
14	H	827	CLA	C10-C11-C12-C13
14	Y	803	CLA	C8-C10-C11-C12
14	Y	822	CLA	C3-C5-C6-C7
14	Y	825	CLA	CBD-CGD-O2D-CED
14	Y	804	CLA	C10-C11-C12-C13
14	Z	824	CLA	O1D-CGD-O2D-CED
14	G	828	CLA	CBA-CGA-O2A-C1
14	B	804	CLA	C10-C11-C12-C13
14	G	802	CLA	C10-C11-C12-C13
14	H	809	CLA	C15-C16-C17-C18
14	A	816	CLA	C2-C1-O2A-CGA
14	A	840	CLA	C2-C1-O2A-CGA
14	G	820	CLA	C2-C1-O2A-CGA
14	Y	805	CLA	C2-C1-O2A-CGA
14	H	809	CLA	C16-C17-C18-C19
14	H	817	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	f	102	CLA	C6-C7-C8-C9
18	A	853	LHG	C25-C26-C27-C28
14	H	805	CLA	C2-C3-C5-C6
18	Y	850	LHG	O9-C7-O7-C5
14	G	816	CLA	C2C-C3C-CAC-CBC
14	A	802	CLA	C2A-CAA-CBA-CGA
14	A	838	CLA	C2A-CAA-CBA-CGA
14	Z	823	CLA	C2A-CAA-CBA-CGA
14	G	803	CLA	CBD-CGD-O2D-CED
14	Y	827	CLA	CBD-CGD-O2D-CED
14	A	824	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	C10-C11-C12-C13
14	G	826	CLA	C5-C6-C7-C8
14	Z	806	CLA	C16-C17-C18-C19
14	Y	814	CLA	O1A-CGA-O2A-C1
14	H	809	CLA	C3-C5-C6-C7
18	B	849	LHG	C26-C27-C28-C29
14	A	809	CLA	C1A-C2A-CAA-CBA
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	815	CLA	C1A-C2A-CAA-CBA
14	A	817	CLA	C1A-C2A-CAA-CBA
14	A	819	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	838	CLA	C1A-C2A-CAA-CBA
14	B	820	CLA	C1A-C2A-CAA-CBA
14	B	824	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C1A-C2A-CAA-CBA
14	B	840	CLA	C1A-C2A-CAA-CBA
14	G	806	CLA	C1A-C2A-CAA-CBA
14	G	808	CLA	C1A-C2A-CAA-CBA
14	G	815	CLA	C1A-C2A-CAA-CBA
14	G	816	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	822	CLA	C1A-C2A-CAA-CBA
14	G	824	CLA	C1A-C2A-CAA-CBA
14	G	834	CLA	C1A-C2A-CAA-CBA
14	G	836	CLA	C1A-C2A-CAA-CBA
14	H	805	CLA	C1A-C2A-CAA-CBA
14	H	814	CLA	C1A-C2A-CAA-CBA
14	H	818	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	H	829	CLA	C1A-C2A-CAA-CBA
14	H	831	CLA	C1A-C2A-CAA-CBA
14	H	834	CLA	C1A-C2A-CAA-CBA
14	H	836	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C1A-C2A-CAA-CBA
14	Y	803	CLA	C1A-C2A-CAA-CBA
14	Y	804	CLA	C1A-C2A-CAA-CBA
14	Y	806	CLA	C1A-C2A-CAA-CBA
14	Y	808	CLA	C1A-C2A-CAA-CBA
14	Y	816	CLA	C1A-C2A-CAA-CBA
14	Y	819	CLA	C1A-C2A-CAA-CBA
14	Y	821	CLA	C1A-C2A-CAA-CBA
14	Y	835	CLA	C1A-C2A-CAA-CBA
14	Y	838	CLA	C1A-C2A-CAA-CBA
14	Z	806	CLA	C1A-C2A-CAA-CBA
14	Z	819	CLA	C1A-C2A-CAA-CBA
14	Z	820	CLA	C1A-C2A-CAA-CBA
14	Z	821	CLA	C1A-C2A-CAA-CBA
14	Z	827	CLA	C1A-C2A-CAA-CBA
14	Z	828	CLA	C1A-C2A-CAA-CBA
14	Z	835	CLA	C1A-C2A-CAA-CBA
14	d	201	CLA	C1A-C2A-CAA-CBA
14	g	101	CLA	C1A-C2A-CAA-CBA
14	G	821	CLA	O1D-CGD-O2D-CED
14	Z	810	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	C8-C10-C11-C12
14	B	802	CLA	C10-C11-C12-C13
14	Y	817	CLA	C8-C10-C11-C12
14	Z	815	CLA	C15-C16-C17-C18
14	B	820	CLA	C2C-C3C-CAC-CBC
14	G	808	CLA	C15-C16-C17-C18
14	Y	824	CLA	C5-C6-C7-C8
14	Y	836	CLA	C15-C16-C17-C18
18	B	849	LHG	O6-C4-C5-C6
18	H	849	LHG	O6-C4-C5-C6
14	A	819	CLA	C3-C5-C6-C7
13	Y	801	CL0	C12-C13-C15-C16
14	A	807	CLA	C11-C10-C8-C7
14	A	809	CLA	C12-C13-C15-C16
14	A	820	CLA	C6-C7-C8-C10
14	A	820	CLA	C12-C13-C15-C16
14	A	822	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	A	823	CLA	C11-C10-C8-C7
14	A	828	CLA	C11-C10-C8-C7
14	A	837	CLA	C12-C13-C15-C16
14	A	839	CLA	C11-C10-C8-C7
14	B	813	CLA	C6-C7-C8-C10
14	B	825	CLA	C6-C7-C8-C10
14	B	826	CLA	C11-C10-C8-C7
14	B	831	CLA	C12-C13-C15-C16
14	G	803	CLA	C11-C12-C13-C15
14	G	809	CLA	C12-C13-C15-C16
14	G	828	CLA	C12-C13-C15-C16
14	G	833	CLA	C12-C13-C15-C16
14	H	802	CLA	C12-C13-C15-C16
14	H	805	CLA	C6-C7-C8-C10
14	H	813	CLA	C6-C7-C8-C10
14	H	814	CLA	C11-C10-C8-C7
14	H	819	CLA	C11-C10-C8-C7
14	L	201	CLA	C11-C10-C8-C7
14	L	204	CLA	C6-C7-C8-C10
14	L	205	CLA	C6-C7-C8-C10
14	L	205	CLA	C12-C13-C15-C16
14	S	1101	CLA	C11-C12-C13-C15
14	U	1007	CLA	C12-C13-C15-C16
14	Y	804	CLA	C11-C10-C8-C7
14	Y	806	CLA	C12-C13-C15-C16
14	Y	821	CLA	C11-C10-C8-C7
14	Y	822	CLA	C6-C7-C8-C10
14	Y	836	CLA	C11-C12-C13-C15
14	Y	838	CLA	C11-C10-C8-C7
14	Y	840	CLA	C6-C7-C8-C10
14	Z	802	CLA	C12-C13-C15-C16
14	Z	803	CLA	C11-C12-C13-C15
14	Z	804	CLA	C11-C10-C8-C7
14	d	201	CLA	C12-C13-C15-C16
14	h	201	CLA	C6-C7-C8-C10
14	h	204	CLA	C12-C13-C15-C16
14	h	205	CLA	C6-C7-C8-C10
14	h	205	CLA	C11-C10-C8-C7
14	H	832	CLA	C6-C7-C8-C10
14	Z	829	CLA	C16-C17-C18-C19
14	A	824	CLA	O1A-CGA-O2A-C1
14	G	813	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	830	CLA	O1D-CGD-O2D-CED
14	B	826	CLA	O1D-CGD-O2D-CED
14	U	1004	CLA	C4-C3-C5-C6
14	A	820	CLA	C2-C3-C5-C6
18	G	850	LHG	C33-C34-C35-C36
14	G	819	CLA	O1A-CGA-O2A-C1
14	Y	835	CLA	C4C-C3C-CAC-CBC
14	B	801	CLA	C15-C16-C17-C18
14	Y	822	CLA	C13-C15-C16-C17
14	G	815	CLA	C2A-CAA-CBA-CGA
14	H	822	CLA	C2A-CAA-CBA-CGA
14	Y	802	CLA	C2A-CAA-CBA-CGA
14	Y	815	CLA	C2A-CAA-CBA-CGA
13	Y	801	CL0	C6-C7-C8-C9
13	Y	801	CL0	C14-C13-C15-C16
14	A	820	CLA	C6-C7-C8-C9
14	A	822	CLA	C11-C10-C8-C9
14	A	830	CLA	C14-C13-C15-C16
14	A	831	CLA	C14-C13-C15-C16
14	A	833	CLA	C14-C13-C15-C16
14	A	854	CLA	C6-C7-C8-C9
14	B	813	CLA	C6-C7-C8-C9
14	B	831	CLA	C14-C13-C15-C16
14	B	837	CLA	C11-C12-C13-C14
14	G	809	CLA	C14-C13-C15-C16
14	G	811	CLA	C6-C7-C8-C9
14	G	824	CLA	C11-C10-C8-C9
14	G	825	CLA	C11-C10-C8-C9
14	G	829	CLA	C14-C13-C15-C16
14	G	833	CLA	C14-C13-C15-C16
14	G	837	CLA	C14-C13-C15-C16
14	H	813	CLA	C6-C7-C8-C9
14	H	814	CLA	C11-C10-C8-C9
14	H	814	CLA	C14-C13-C15-C16
14	H	817	CLA	C11-C12-C13-C14
14	H	819	CLA	C11-C10-C8-C9
14	H	823	CLA	C6-C7-C8-C9
14	H	825	CLA	C6-C7-C8-C9
14	H	831	CLA	C11-C12-C13-C14
14	L	202	CLA	C14-C13-C15-C16
14	S	1101	CLA	C6-C7-C8-C9
14	Y	806	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C11-C12-C13-C14
14	Y	821	CLA	C11-C10-C8-C9
14	Y	822	CLA	C6-C7-C8-C9
14	Y	828	CLA	C14-C13-C15-C16
14	Y	841	CLA	C11-C12-C13-C14
14	Z	801	CLA	C11-C10-C8-C9
14	Z	803	CLA	C11-C12-C13-C14
14	Z	814	CLA	C6-C7-C8-C9
14	h	201	CLA	C6-C7-C8-C9
14	h	204	CLA	C14-C13-C15-C16
14	h	205	CLA	C11-C10-C8-C9
15	G	843	PQN	C16-C17-C18-C19
17	Y	844	BCR	C19-C20-C21-C22
14	G	819	CLA	CBA-CGA-O2A-C1
14	B	826	CLA	C13-C15-C16-C17
18	G	851	LHG	C23-C24-C25-C26
18	B	849	LHG	C4-C5-C6-O8
18	j	101	LHG	C4-C5-C6-O8
14	B	836	CLA	O1D-CGD-O2D-CED
14	h	206	CLA	O1D-CGD-O2D-CED
19	Z	849	LMG	O6-C5-C6-O5
13	G	801	CL0	C15-C16-C17-C18
14	B	807	CLA	C8-C10-C11-C12
14	H	818	CLA	C5-C6-C7-C8
14	H	812	CLA	C2C-C3C-CAC-CBC
14	S	1101	CLA	C2C-C3C-CAC-CBC
14	Z	817	CLA	O1D-CGD-O2D-CED
14	G	832	CLA	CBA-CGA-O2A-C1
13	Y	801	CL0	C16-C17-C18-C20
14	Y	819	CLA	C16-C17-C18-C19
14	Z	802	CLA	C16-C17-C18-C20
14	Z	837	CLA	C2C-C3C-CAC-CBC
18	G	851	LHG	C28-C29-C30-C31
17	A	849	BCR	C11-C10-C9-C34
17	H	850	BCR	C11-C10-C9-C34
14	A	807	CLA	C13-C15-C16-C17
14	Z	802	CLA	C13-C15-C16-C17
14	h	204	CLA	C13-C15-C16-C17
14	A	814	CLA	O1A-CGA-O2A-C1
14	H	805	CLA	C4-C3-C5-C6
14	B	821	CLA	C2-C3-C5-C6
14	G	819	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	U	1004	CLA	C2-C3-C5-C6
14	Y	824	CLA	C2-C3-C5-C6
15	B	841	PQN	C12-C13-C15-C16
17	T	102	BCR	C37-C22-C23-C24
18	B	849	LHG	C11-C12-C13-C14
17	G	847	BCR	C7-C8-C9-C10
17	H	846	BCR	C21-C22-C23-C24
17	R	101	BCR	C17-C18-C19-C20
17	T	102	BCR	C21-C22-C23-C24
17	Z	844	BCR	C11-C12-C13-C14
14	A	812	CLA	C13-C15-C16-C17
14	B	837	CLA	C8-C10-C11-C12
14	S	1101	CLA	C5-C6-C7-C8
14	Y	819	CLA	C5-C6-C7-C8
14	G	835	CLA	C2A-CAA-CBA-CGA
14	H	801	CLA	C2A-CAA-CBA-CGA
14	U	1007	CLA	C2A-CAA-CBA-CGA
14	h	204	CLA	C3-C5-C6-C7
14	A	829	CLA	O1A-CGA-O2A-C1
14	d	202	CLA	O1D-CGD-O2D-CED
14	A	831	CLA	CBA-CGA-O2A-C1
14	H	832	CLA	CBA-CGA-O2A-C1
14	Z	838	CLA	CBA-CGA-O2A-C1
14	A	802	CLA	O2A-C1-C2-C3
14	G	802	CLA	O2A-C1-C2-C3
18	A	852	LHG	C27-C28-C29-C30
17	B	845	BCR	C18-C19-C20-C21
14	Y	811	CLA	C15-C16-C17-C18
14	Z	801	CLA	C15-C16-C17-C18
18	B	849	LHG	C29-C30-C31-C32
18	G	850	LHG	C11-C10-C9-C8
18	G	850	LHG	C15-C16-C17-C18
18	Y	850	LHG	C17-C18-C19-C20
17	A	849	BCR	C19-C20-C21-C22
17	S	1105	BCR	C15-C16-C17-C18
17	Y	849	BCR	C15-C16-C17-C18
14	A	842	CLA	C16-C17-C18-C20
14	B	805	CLA	C16-C17-C18-C19
14	B	826	CLA	C16-C17-C18-C19
17	L	207	BCR	C16-C17-C18-C19
14	A	837	CLA	C10-C11-C12-C13
18	Y	850	LHG	C28-C29-C30-C31

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Mol	Chain	Res	Type	Atoms
14	A	813	CLA	CBA-CGA-O2A-C1
14	H	818	CLA	CBA-CGA-O2A-C1
14	G	828	CLA	O1A-CGA-O2A-C1
18	H	849	LHG	C11-C10-C9-C8
14	Z	813	CLA	C2C-C3C-CAC-CBC
14	G	809	CLA	C4-C3-C5-C6
14	Z	829	CLA	C4-C3-C5-C6
14	d	201	CLA	C2-C3-C5-C6
14	A	825	CLA	C11-C12-C13-C14
14	H	825	CLA	C16-C17-C18-C20
14	Y	825	CLA	C16-C17-C18-C19
14	L	201	CLA	C2C-C3C-CAC-CBC
18	B	849	LHG	C9-C10-C11-C12
19	H	848	LMG	C14-C15-C16-C17
14	A	808	CLA	CBA-CGA-O2A-C1
14	G	838	CLA	CBA-CGA-O2A-C1
14	H	802	CLA	CBA-CGA-O2A-C1
14	H	808	CLA	CBA-CGA-O2A-C1
14	G	812	CLA	C6-C7-C8-C9
14	B	830	CLA	C2A-CAA-CBA-CGA
14	A	826	CLA	C3-C5-C6-C7
14	G	840	CLA	C3-C5-C6-C7
14	H	801	CLA	C3-C5-C6-C7
14	H	829	CLA	C3-C5-C6-C7
19	Z	849	LMG	C11-C12-C13-C14
14	Z	825	CLA	C2-C1-O2A-CGA
18	G	850	LHG	C16-C17-C18-C19
14	A	826	CLA	C16-C17-C18-C20
14	B	824	CLA	C16-C17-C18-C19
18	Y	850	LHG	C35-C36-C37-C38
18	j	101	LHG	C10-C11-C12-C13
14	G	811	CLA	CBA-CGA-O2A-C1
14	Y	827	CLA	CBA-CGA-O2A-C1
14	Z	840	CLA	CBA-CGA-O2A-C1
18	B	849	LHG	C30-C31-C32-C33
14	d	201	CLA	O1D-CGD-O2D-CED
14	A	837	CLA	C15-C16-C17-C18
14	B	825	CLA	C5-C6-C7-C8
14	Z	827	CLA	C13-C15-C16-C17
14	Y	807	CLA	O1D-CGD-O2D-CED
17	H	844	BCR	C9-C10-C11-C12
17	i	101	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	Z	811	CLA	C16-C17-C18-C19
14	B	821	CLA	C4-C3-C5-C6
14	G	818	CLA	C4-C3-C5-C6
14	H	837	CLA	C4-C3-C5-C6
14	Y	824	CLA	C4-C3-C5-C6
13	A	801	CL0	CBA-CGA-O2A-C1
14	B	805	CLA	CBA-CGA-O2A-C1
14	G	823	CLA	CBA-CGA-O2A-C1
14	A	817	CLA	C4C-C3C-CAC-CBC
14	Y	813	CLA	C8-C10-C11-C12
18	H	849	LHG	C10-C11-C12-C13
18	Y	850	LHG	C11-C10-C9-C8
18	A	853	LHG	O1-C1-C2-O2
14	h	205	CLA	CBD-CGD-O2D-CED
14	A	806	CLA	C6-C7-C8-C9
14	A	807	CLA	C11-C12-C13-C14
14	A	819	CLA	C11-C12-C13-C14
14	A	822	CLA	C11-C12-C13-C14
14	A	823	CLA	C11-C10-C8-C9
14	A	828	CLA	C11-C12-C13-C14
14	A	828	CLA	C14-C13-C15-C16
14	A	831	CLA	C11-C12-C13-C14
14	A	837	CLA	C14-C13-C15-C16
14	A	839	CLA	C11-C10-C8-C9
14	B	808	CLA	C11-C10-C8-C9
14	B	825	CLA	C6-C7-C8-C9
14	B	825	CLA	C11-C10-C8-C9
14	B	826	CLA	C11-C10-C8-C9
14	G	802	CLA	C14-C13-C15-C16
14	G	803	CLA	C11-C12-C13-C14
14	G	806	CLA	C11-C10-C8-C9
14	G	828	CLA	C14-C13-C15-C16
14	H	801	CLA	C11-C12-C13-C14
14	H	802	CLA	C14-C13-C15-C16
14	L	201	CLA	C11-C10-C8-C9
14	L	204	CLA	C6-C7-C8-C9
14	L	205	CLA	C14-C13-C15-C16
14	U	1002	CLA	C11-C12-C13-C14
14	U	1007	CLA	C14-C13-C15-C16
14	Y	804	CLA	C11-C10-C8-C9
14	Y	829	CLA	C14-C13-C15-C16
14	Y	832	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	Y	832	CLA	C11-C10-C8-C9
14	Y	832	CLA	C14-C13-C15-C16
14	Y	838	CLA	C11-C10-C8-C9
14	Z	802	CLA	C14-C13-C15-C16
14	Z	804	CLA	C11-C10-C8-C9
14	Z	838	CLA	C6-C7-C8-C9
14	d	201	CLA	C14-C13-C15-C16
15	B	841	PQN	C19-C18-C20-C21
15	G	843	PQN	C21-C22-C23-C24
14	H	840	CLA	O1D-CGD-O2D-CED
14	A	803	CLA	C13-C15-C16-C17
14	Y	818	CLA	C13-C15-C16-C17
14	Z	803	CLA	C10-C11-C12-C13
14	G	832	CLA	O1A-CGA-O2A-C1
13	A	801	CL0	C4B-C3B-CAB-CBB
14	A	806	CLA	C4B-C3B-CAB-CBB
14	A	807	CLA	C4B-C3B-CAB-CBB
14	B	818	CLA	C4B-C3B-CAB-CBB
14	B	821	CLA	C4B-C3B-CAB-CBB
14	B	825	CLA	C4B-C3B-CAB-CBB
14	G	803	CLA	C4B-C3B-CAB-CBB
14	G	824	CLA	C4B-C3B-CAB-CBB
14	G	852	CLA	C4B-C3B-CAB-CBB
14	H	827	CLA	C4B-C3B-CAB-CBB
14	H	837	CLA	C4B-C3B-CAB-CBB
14	Y	811	CLA	C4B-C3B-CAB-CBB
14	Y	826	CLA	C4B-C3B-CAB-CBB
14	Y	834	CLA	C4B-C3B-CAB-CBB
14	Z	813	CLA	C4B-C3B-CAB-CBB
14	Z	828	CLA	C4B-C3B-CAB-CBB
14	Z	833	CLA	C4B-C3B-CAB-CBB
14	Z	835	CLA	C4B-C3B-CAB-CBB
14	f	102	CLA	C4B-C3B-CAB-CBB
18	A	852	LHG	C28-C29-C30-C31
18	G	851	LHG	C26-C27-C28-C29
14	G	804	CLA	C5-C6-C7-C8
14	G	829	CLA	C5-C6-C7-C8
14	Z	830	CLA	C8-C10-C11-C12
14	A	807	CLA	C16-C17-C18-C20
14	G	822	CLA	C16-C17-C18-C19
18	G	850	LHG	C35-C36-C37-C38
14	A	819	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	H	813	CLA	C2A-CAA-CBA-CGA
14	Y	808	CLA	C2A-CAA-CBA-CGA
14	Y	809	CLA	C2A-CAA-CBA-CGA
14	H	808	CLA	C5-C6-C7-C8
19	Z	849	LMG	C39-C40-C41-C42
14	A	814	CLA	C6-C7-C8-C10
14	A	821	CLA	C11-C10-C8-C7
14	A	826	CLA	C11-C10-C8-C7
14	A	831	CLA	C11-C12-C13-C15
14	A	833	CLA	C6-C7-C8-C10
14	B	801	CLA	C11-C12-C13-C15
14	B	804	CLA	C6-C7-C8-C10
14	B	804	CLA	C11-C10-C8-C7
14	B	808	CLA	C12-C13-C15-C16
14	B	813	CLA	C12-C13-C15-C16
14	B	837	CLA	C11-C12-C13-C15
14	G	811	CLA	C6-C7-C8-C10
14	G	811	CLA	C11-C12-C13-C15
14	G	824	CLA	C11-C10-C8-C7
14	G	825	CLA	C11-C10-C8-C7
14	G	829	CLA	C12-C13-C15-C16
14	G	832	CLA	C11-C10-C8-C7
14	G	837	CLA	C12-C13-C15-C16
14	G	840	CLA	C11-C12-C13-C15
14	H	803	CLA	C11-C12-C13-C15
14	H	810	CLA	C12-C13-C15-C16
14	H	814	CLA	C12-C13-C15-C16
14	H	817	CLA	C11-C12-C13-C15
14	H	825	CLA	C6-C7-C8-C10
14	H	831	CLA	C11-C12-C13-C15
14	L	201	CLA	C11-C12-C13-C15
14	L	202	CLA	C12-C13-C15-C16
14	U	1002	CLA	C11-C12-C13-C15
14	U	1003	CLA	C11-C12-C13-C15
14	Y	808	CLA	C11-C10-C8-C7
14	Y	809	CLA	C6-C7-C8-C10
14	Y	809	CLA	C11-C12-C13-C15
14	Y	827	CLA	C11-C12-C13-C15
14	Y	828	CLA	C12-C13-C15-C16
14	Y	829	CLA	C12-C13-C15-C16
14	Y	836	CLA	C6-C7-C8-C10
14	Y	836	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	Y	841	CLA	C11-C12-C13-C15
14	Z	809	CLA	C12-C13-C15-C16
14	Z	819	CLA	C6-C7-C8-C10
14	Z	838	CLA	C12-C13-C15-C16
15	Y	842	PQN	C17-C18-C20-C21
14	B	817	CLA	C8-C10-C11-C12
14	B	822	CLA	C10-C11-C12-C13
14	G	805	CLA	C8-C10-C11-C12
15	H	841	PQN	C20-C21-C22-C23
14	Z	838	CLA	O1A-CGA-O2A-C1
14	Z	826	CLA	C15-C16-C17-C18
14	A	805	CLA	C4-C3-C5-C6
14	A	821	CLA	C3A-C2A-CAA-CBA
14	A	835	CLA	C3A-C2A-CAA-CBA
14	B	810	CLA	C3A-C2A-CAA-CBA
14	G	824	CLA	C4-C3-C5-C6
14	G	832	CLA	C4-C3-C5-C6
14	H	824	CLA	C3A-C2A-CAA-CBA
14	H	825	CLA	C3A-C2A-CAA-CBA
14	J	102	CLA	C3A-C2A-CAA-CBA
14	Y	811	CLA	C3A-C2A-CAA-CBA
14	Y	812	CLA	C3A-C2A-CAA-CBA
14	Y	833	CLA	C3A-C2A-CAA-CBA
14	Y	838	CLA	C3A-C2A-CAA-CBA
14	Z	806	CLA	C3A-C2A-CAA-CBA
14	Z	825	CLA	C3A-C2A-CAA-CBA
14	d	201	CLA	C4-C3-C5-C6
14	f	102	CLA	C3A-C2A-CAA-CBA
14	G	832	CLA	C8-C10-C11-C12
14	H	802	CLA	C8-C10-C11-C12
14	A	805	CLA	C2-C3-C5-C6
14	Y	803	CLA	C2-C3-C5-C6
14	Y	814	CLA	C4C-C3C-CAC-CBC
14	S	1101	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	O1A-CGA-O2A-C1
14	Y	826	CLA	C10-C11-C12-C13
14	A	831	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	CBA-CGA-O2A-C1
14	Y	805	CLA	CBA-CGA-O2A-C1
14	Z	807	CLA	CBA-CGA-O2A-C1
17	A	848	BCR	C9-C10-C11-C12
17	B	844	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	G	845	BCR	C9-C10-C11-C12
17	H	842	BCR	C15-C16-C17-C18
17	H	842	BCR	C19-C20-C21-C22
17	H	846	BCR	C9-C10-C11-C12
17	H	850	BCR	C15-C16-C17-C18
14	H	816	CLA	C3-C5-C6-C7
14	G	840	CLA	C16-C17-C18-C20
14	A	831	CLA	C5-C6-C7-C8
17	L	207	BCR	C11-C12-C13-C35
17	h	207	BCR	C11-C12-C13-C35
18	Y	850	LHG	C25-C26-C27-C28
14	Y	807	CLA	C4-C3-C5-C6
14	Z	840	CLA	O1A-CGA-O2A-C1
19	Z	849	LMG	C18-C19-C20-C21
18	H	849	LHG	C13-C14-C15-C16
14	B	810	CLA	C2A-CAA-CBA-CGA
14	H	817	CLA	C2A-CAA-CBA-CGA
14	G	828	CLA	C3-C5-C6-C7
14	A	825	CLA	C11-C12-C13-C15
14	H	816	CLA	C6-C7-C8-C10
14	H	832	CLA	C6-C7-C8-C9
14	H	818	CLA	O1A-CGA-O2A-C1
14	Y	841	CLA	C13-C15-C16-C17
15	Y	842	PQN	C20-C21-C22-C23
18	Y	850	LHG	C12-C13-C14-C15
19	B	848	LMG	C18-C19-C20-C21
19	Z	849	LMG	C12-C13-C14-C15
14	Y	819	CLA	C4-C3-C5-C6
19	H	848	LMG	C10-C11-C12-C13
14	H	837	CLA	C2-C3-C5-C6
14	Z	820	CLA	C3-C5-C6-C7
14	Z	828	CLA	C13-C15-C16-C17
18	Y	850	LHG	C27-C28-C29-C30
14	G	819	CLA	C16-C17-C18-C19
14	H	810	CLA	C16-C17-C18-C19
14	Y	821	CLA	C16-C17-C18-C19
14	A	828	CLA	C13-C15-C16-C17
18	H	849	LHG	O6-C4-C5-O7
14	H	824	CLA	O1D-CGD-O2D-CED
14	Z	813	CLA	C2B-C3B-CAB-CBB
14	Z	835	CLA	C2B-C3B-CAB-CBB
17	B	844	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	H	846	BCR	C23-C24-C25-C26
17	H	847	BCR	C23-C24-C25-C26
17	M	101	BCR	C5-C6-C7-C8
17	Q	203	BCR	C23-C24-C25-C30
17	Y	846	BCR	C23-C24-C25-C26
17	Y	852	BCR	C23-C24-C25-C26
17	i	101	BCR	C23-C24-C25-C30
14	B	802	CLA	C2C-C3C-CAC-CBC
14	A	830	CLA	C5-C6-C7-C8
14	B	805	CLA	C15-C16-C17-C18
14	L	205	CLA	C8-C10-C11-C12
14	Y	811	CLA	C10-C11-C12-C13
18	Y	850	LHG	C23-C24-C25-C26
14	Y	827	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	C16-C17-C18-C20
14	A	821	CLA	C2A-CAA-CBA-CGA
14	G	808	CLA	C2A-CAA-CBA-CGA
14	Y	820	CLA	C2A-CAA-CBA-CGA
14	Y	838	CLA	C2A-CAA-CBA-CGA
14	G	803	CLA	C15-C16-C17-C18
14	G	840	CLA	C5-C6-C7-C8
18	A	852	LHG	O7-C5-C6-O8
18	Y	850	LHG	O7-C5-C6-O8
14	Y	817	CLA	C2C-C3C-CAC-CBC
14	L	206	CLA	C4-C3-C5-C6
14	Y	803	CLA	C4-C3-C5-C6
14	B	822	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	C8-C10-C11-C12
14	H	806	CLA	C15-C16-C17-C18
14	H	813	CLA	C13-C15-C16-C17
14	Z	818	CLA	C15-C16-C17-C18
14	G	824	CLA	C2-C3-C5-C6
14	G	832	CLA	C2-C3-C5-C6
14	L	206	CLA	C2-C3-C5-C6
14	Y	819	CLA	C2-C3-C5-C6
14	A	806	CLA	C16-C17-C18-C20
14	Y	802	CLA	C16-C17-C18-C19
14	Z	829	CLA	C16-C17-C18-C20
14	U	1002	CLA	C10-C11-C12-C13
14	A	821	CLA	C11-C10-C8-C9
14	A	826	CLA	C11-C10-C8-C9
14	A	841	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	B	807	CLA	C11-C12-C13-C14
14	B	812	CLA	C6-C7-C8-C9
14	G	832	CLA	C11-C10-C8-C9
14	G	840	CLA	C11-C12-C13-C14
14	H	818	CLA	C6-C7-C8-C9
14	L	206	CLA	C6-C7-C8-C9
14	U	1003	CLA	C11-C12-C13-C14
14	Y	836	CLA	C11-C12-C13-C14
14	Y	840	CLA	C6-C7-C8-C9
14	Z	819	CLA	C6-C7-C8-C9
14	h	206	CLA	C11-C10-C8-C9
14	Y	825	CLA	O1D-CGD-O2D-CED
14	G	838	CLA	O1A-CGA-O2A-C1
14	Y	827	CLA	O1A-CGA-O2A-C1
18	G	850	LHG	C13-C14-C15-C16
17	H	844	BCR	C14-C15-C16-C17
13	A	801	CL0	C16-C17-C18-C20
13	Y	801	CL0	C16-C17-C18-C19
14	A	854	CLA	C16-C17-C18-C19
14	H	816	CLA	C6-C7-C8-C9
14	U	1007	CLA	C16-C17-C18-C20
14	Y	825	CLA	C16-C17-C18-C20
14	Z	828	CLA	C16-C17-C18-C20
15	A	844	PQN	C26-C27-C28-C30
14	H	819	CLA	C3-C5-C6-C7
14	Y	805	CLA	C3-C5-C6-C7
18	G	850	LHG	C25-C26-C27-C28
14	Y	825	CLA	C10-C11-C12-C13
14	Y	805	CLA	O1A-CGA-O2A-C1
14	G	821	CLA	C2A-CAA-CBA-CGA
19	H	848	LMG	C18-C19-C20-C21
18	A	852	LHG	C23-C24-C25-C26
14	A	815	CLA	C4C-C3C-CAC-CBC
14	A	809	CLA	C5-C6-C7-C8
18	H	849	LHG	O1-C1-C2-O2
14	A	828	CLA	C2C-C3C-CAC-CBC
14	A	825	CLA	CBA-CGA-O2A-C1
14	G	806	CLA	C4-C3-C5-C6
17	H	843	BCR	C15-C16-C17-C18
17	R	102	BCR	C15-C16-C17-C18
17	S	1104	BCR	C15-C16-C17-C18
18	Y	850	LHG	O8-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
14	Z	803	CLA	C16-C17-C18-C19
14	Z	806	CLA	C16-C17-C18-C20
14	Z	808	CLA	C16-C17-C18-C20
19	Z	849	LMG	C13-C14-C15-C16
14	G	824	CLA	C5-C6-C7-C8
14	H	806	CLA	C5-C6-C7-C8
14	H	826	CLA	C15-C16-C17-C18
14	S	1101	CLA	C10-C11-C12-C13
17	A	847	BCR	C16-C17-C18-C36
17	G	847	BCR	C11-C10-C9-C34
17	R	102	BCR	C16-C17-C18-C36
17	U	1008	BCR	C16-C17-C18-C36
17	Y	845	BCR	C11-C10-C9-C34
14	A	831	CLA	O1A-CGA-O2A-C1
14	L	201	CLA	C3-C5-C6-C7
14	Y	826	CLA	C3-C5-C6-C7
18	A	853	LHG	C24-C23-O8-C6
14	Z	803	CLA	C15-C16-C17-C18
18	A	852	LHG	O6-C4-C5-C6
18	A	853	LHG	O6-C4-C5-C6
18	G	851	LHG	O6-C4-C5-C6
18	Y	850	LHG	O6-C4-C5-C6
14	H	827	CLA	C16-C17-C18-C20
18	A	853	LHG	C29-C30-C31-C32
14	Z	837	CLA	C4C-C3C-CAC-CBC
14	G	817	CLA	C5-C6-C7-C8
14	A	805	CLA	C11-C10-C8-C7
14	A	806	CLA	C11-C10-C8-C7
14	A	807	CLA	C11-C12-C13-C15
14	A	819	CLA	C6-C7-C8-C10
14	A	839	CLA	C11-C12-C13-C15
14	B	801	CLA	C11-C10-C8-C7
14	B	808	CLA	C11-C10-C8-C7
14	B	812	CLA	C11-C10-C8-C7
14	G	809	CLA	C6-C7-C8-C10
14	G	809	CLA	C11-C12-C13-C15
14	G	841	CLA	C12-C13-C15-C16
14	H	813	CLA	C11-C10-C8-C7
14	H	818	CLA	C6-C7-C8-C10
14	H	825	CLA	C11-C10-C8-C7
14	L	205	CLA	C11-C10-C8-C7
14	L	205	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	U	1002	CLA	C6-C7-C8-C10
14	U	1006	CLA	C12-C13-C15-C16
14	Y	803	CLA	C6-C7-C8-C10
14	Y	811	CLA	C11-C12-C13-C15
14	Y	824	CLA	C6-C7-C8-C10
14	Y	841	CLA	C12-C13-C15-C16
14	h	206	CLA	C11-C10-C8-C7
18	Y	850	LHG	C10-C11-C12-C13
18	Y	850	LHG	C19-C20-C21-C22
14	G	803	CLA	C13-C15-C16-C17
14	Y	829	CLA	C10-C11-C12-C13
14	h	206	CLA	C8-C10-C11-C12
14	H	804	CLA	C6-C7-C8-C9
17	B	845	BCR	C17-C18-C19-C20
17	F	201	BCR	C21-C22-C23-C24
17	G	849	BCR	C11-C12-C13-C14
17	M	101	BCR	C17-C18-C19-C20
17	U	1008	BCR	C11-C12-C13-C14
17	Y	853	BCR	C17-C18-C19-C20
14	H	810	CLA	CBA-CGA-O2A-C1
13	A	801	CL0	O1A-CGA-O2A-C1
14	A	813	CLA	O1A-CGA-O2A-C1
14	G	823	CLA	O1A-CGA-O2A-C1
14	H	808	CLA	O1A-CGA-O2A-C1
14	H	832	CLA	O1A-CGA-O2A-C1
14	G	824	CLA	C8-C10-C11-C12
14	Z	821	CLA	C2A-CAA-CBA-CGA
14	B	806	CLA	C4-C3-C5-C6
14	H	825	CLA	C4-C3-C5-C6
14	H	831	CLA	C4-C3-C5-C6
14	Y	814	CLA	C4-C3-C5-C6
14	Y	822	CLA	C4-C3-C5-C6
14	H	802	CLA	O1A-CGA-O2A-C1
14	Z	807	CLA	O1A-CGA-O2A-C1
14	Z	829	CLA	C2-C3-C5-C6
14	d	201	CLA	C3-C5-C6-C7
14	H	851	CLA	C4C-C3C-CAC-CBC
14	Y	824	CLA	C2C-C3C-CAC-CBC
14	B	805	CLA	O1A-CGA-O2A-C1
14	A	839	CLA	C13-C15-C16-C17
14	Z	803	CLA	C13-C15-C16-C17
14	Z	830	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
17	A	847	BCR	C11-C10-C9-C8
17	G	849	BCR	C11-C10-C9-C8
17	H	846	BCR	C11-C10-C9-C8
17	Y	845	BCR	C11-C10-C9-C8
14	H	819	CLA	C10-C11-C12-C13
14	h	205	CLA	O1D-CGD-O2D-CED
18	A	852	LHG	C4-C5-C6-O8
18	Y	850	LHG	C4-C5-C6-O8
18	Y	851	LHG	C4-C5-C6-O8
14	A	842	CLA	C5-C6-C7-C8
14	Z	824	CLA	C8-C10-C11-C12
14	Z	830	CLA	C16-C17-C18-C19
13	A	801	CL0	C3-C5-C6-C7
14	G	827	CLA	C4C-C3C-CAC-CBC
14	A	818	CLA	C10-C11-C12-C13
14	H	803	CLA	C13-C15-C16-C17
14	Z	802	CLA	C8-C10-C11-C12
14	Y	805	CLA	C4-C3-C5-C6
14	Z	812	CLA	C2A-CAA-CBA-CGA
14	G	806	CLA	C2-C3-C5-C6
14	Y	830	CLA	C2-C3-C5-C6
14	H	817	CLA	C10-C11-C12-C13
18	A	852	LHG	C16-C17-C18-C19
14	G	811	CLA	C10-C11-C12-C13
14	Y	827	CLA	C5-C6-C7-C8
14	Z	806	CLA	C10-C11-C12-C13
14	A	831	CLA	C6-C7-C8-C9
14	A	839	CLA	C11-C12-C13-C14
14	B	804	CLA	C11-C10-C8-C9
14	B	813	CLA	C14-C13-C15-C16
14	G	808	CLA	C11-C12-C13-C14
14	G	841	CLA	C14-C13-C15-C16
14	H	808	CLA	C11-C10-C8-C9
14	L	205	CLA	C11-C10-C8-C9
14	Y	824	CLA	C6-C7-C8-C9
14	Z	838	CLA	C14-C13-C15-C16
14	A	816	CLA	O1A-CGA-O2A-C1
14	B	819	CLA	C2C-C3C-CAC-CBC
14	G	818	CLA	C15-C16-C17-C18
14	A	807	CLA	C8-C10-C11-C12
14	A	839	CLA	C10-C11-C12-C13
14	H	809	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	A	808	CLA	O1A-CGA-O2A-C1
14	Y	831	CLA	O1D-CGD-O2D-CED
13	Y	801	CL0	CAA-CBA-CGA-O2A
14	A	820	CLA	C2-C1-O2A-CGA
14	G	836	CLA	C2-C1-O2A-CGA
14	G	838	CLA	C2-C1-O2A-CGA
14	Y	819	CLA	C2-C1-O2A-CGA
14	Y	820	CLA	C2-C1-O2A-CGA
14	Y	822	CLA	C2-C1-O2A-CGA
14	Y	840	CLA	C2-C1-O2A-CGA
14	Z	807	CLA	C2-C1-O2A-CGA
14	B	810	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	C11-C12-C13-C14
14	B	823	CLA	C6-C7-C8-C10
14	B	826	CLA	C16-C17-C18-C20
14	h	205	CLA	C13-C15-C16-C17
14	A	804	CLA	C4-C3-C5-C6
14	Z	804	CLA	C3-C5-C6-C7
14	Z	814	CLA	C5-C6-C7-C8
14	Z	828	CLA	C5-C6-C7-C8
14	A	825	CLA	O1A-CGA-O2A-C1
14	G	837	CLA	C2A-CAA-CBA-CGA
14	h	206	CLA	C2A-CAA-CBA-CGA
14	A	823	CLA	C16-C17-C18-C20
14	B	801	CLA	C16-C17-C18-C19
14	H	825	CLA	C16-C17-C18-C19
14	Y	802	CLA	C16-C17-C18-C20
14	H	807	CLA	C8-C10-C11-C12
14	Z	809	CLA	C10-C11-C12-C13
14	h	201	CLA	C8-C10-C11-C12
14	Z	832	CLA	CBD-CGD-O2D-CED
14	H	832	CLA	C3-C5-C6-C7
14	Y	804	CLA	C3-C5-C6-C7
14	Z	826	CLA	C3-C5-C6-C7
17	R	101	BCR	C18-C19-C20-C21
14	H	830	CLA	C2C-C3C-CAC-CBC
14	Y	818	CLA	C15-C16-C17-C18
17	G	849	BCR	C11-C12-C13-C35
17	H	845	BCR	C36-C18-C19-C20
17	S	1105	BCR	C36-C18-C19-C20
14	A	827	CLA	C1A-C2A-CAA-CBA
14	A	837	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	B	832	CLA	C4B-C3B-CAB-CBB
14	G	809	CLA	C1A-C2A-CAA-CBA
14	G	827	CLA	C4B-C3B-CAB-CBB
14	H	816	CLA	C1A-C2A-CAA-CBA
14	H	825	CLA	C1A-C2A-CAA-CBA
14	J	101	CLA	C1A-C2A-CAA-CBA
14	L	205	CLA	C1A-C2A-CAA-CBA
14	Y	805	CLA	C4B-C3B-CAB-CBB
14	Y	823	CLA	C4B-C3B-CAB-CBB
14	Y	837	CLA	C1A-C2A-CAA-CBA
14	Z	816	CLA	C1A-C2A-CAA-CBA
14	Z	817	CLA	C1A-C2A-CAA-CBA
14	Z	821	CLA	C4B-C3B-CAB-CBB
14	Z	825	CLA	C1A-C2A-CAA-CBA
14	Y	828	CLA	CBA-CGA-O2A-C1
14	Z	802	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	C4-C3-C5-C6
14	A	810	CLA	C4-C3-C5-C6
14	A	828	CLA	C4-C3-C5-C6
14	Y	821	CLA	C4-C3-C5-C6
14	Z	825	CLA	C4-C3-C5-C6
14	G	822	CLA	C8-C10-C11-C12
17	J	103	BCR	C7-C8-C9-C10
17	R	102	BCR	C19-C20-C21-C22
14	Z	824	CLA	C11-C12-C13-C14
14	H	810	CLA	O1A-CGA-O2A-C1
18	j	101	LHG	O6-C4-C5-C6
14	A	813	CLA	CBD-CGD-O2D-CED
18	A	853	LHG	O10-C23-O8-C6
14	A	823	CLA	C3-C5-C6-C7
14	U	1003	CLA	C3-C5-C6-C7
13	Y	801	CL0	C6-C7-C8-C10
14	A	804	CLA	C11-C12-C13-C15
14	A	809	CLA	C11-C10-C8-C7
14	A	830	CLA	C12-C13-C15-C16
14	A	837	CLA	C6-C7-C8-C10
14	A	841	CLA	C12-C13-C15-C16
14	B	807	CLA	C12-C13-C15-C16
14	B	809	CLA	C12-C13-C15-C16
14	B	839	CLA	C6-C7-C8-C10
14	G	811	CLA	C11-C10-C8-C7
14	G	832	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	G	837	CLA	C6-C7-C8-C10
14	H	801	CLA	C12-C13-C15-C16
14	H	802	CLA	C6-C7-C8-C10
14	H	802	CLA	C11-C12-C13-C15
14	H	819	CLA	C6-C7-C8-C10
14	H	826	CLA	C12-C13-C15-C16
14	U	1003	CLA	C12-C13-C15-C16
14	Y	808	CLA	C12-C13-C15-C16
14	Y	819	CLA	C6-C7-C8-C10
14	Y	820	CLA	C6-C7-C8-C10
14	Z	801	CLA	C11-C12-C13-C15
14	Z	810	CLA	C11-C10-C8-C7
14	Z	814	CLA	C11-C10-C8-C7
14	Z	814	CLA	C12-C13-C15-C16
14	Z	828	CLA	C11-C12-C13-C15
15	G	843	PQN	C22-C23-C25-C26
15	Z	842	PQN	C21-C22-C23-C25
14	A	821	CLA	C11-C12-C13-C14
14	B	801	CLA	C16-C17-C18-C20
14	H	803	CLA	C16-C17-C18-C20
14	H	810	CLA	C16-C17-C18-C20
14	Y	821	CLA	C16-C17-C18-C20
14	Y	832	CLA	O1A-CGA-O2A-C1
18	A	852	LHG	C25-C26-C27-C28
14	A	854	CLA	CBA-CGA-O2A-C1
14	H	803	CLA	CBA-CGA-O2A-C1
18	G	850	LHG	C30-C31-C32-C33
14	A	854	CLA	O1A-CGA-O2A-C1
14	Y	802	CLA	C10-C11-C12-C13
14	Z	829	CLA	C8-C10-C11-C12
14	G	827	CLA	C4-C3-C5-C6
14	G	829	CLA	C3A-C2A-CAA-CBA
14	A	806	CLA	C16-C17-C18-C19
14	B	813	CLA	C16-C17-C18-C19
14	B	815	CLA	C6-C7-C8-C9
14	Z	802	CLA	C16-C17-C18-C19
15	A	844	PQN	C26-C27-C28-C29
17	i	101	BCR	C14-C15-C16-C17
18	A	852	LHG	O6-C4-C5-O7
18	B	849	LHG	O6-C4-C5-O7
18	G	850	LHG	O6-C4-C5-O7
18	G	851	LHG	O6-C4-C5-O7

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Mol	Chain	Res	Type	Atoms
18	Y	850	LHG	O6-C4-C5-O7
18	j	101	LHG	O6-C4-C5-O7
14	B	812	CLA	C11-C10-C8-C9
14	H	836	CLA	C11-C10-C8-C9
14	Y	836	CLA	C6-C7-C8-C9
14	Z	804	CLA	C14-C13-C15-C16
14	Z	827	CLA	C11-C12-C13-C14
14	h	205	CLA	C11-C12-C13-C14
14	U	1007	CLA	C15-C16-C17-C18
14	Y	832	CLA	C8-C10-C11-C12
18	A	852	LHG	C11-C10-C9-C8
14	Y	824	CLA	C4C-C3C-CAC-CBC
17	H	844	BCR	C15-C16-C17-C18
17	H	846	BCR	C19-C20-C21-C22
17	M	101	BCR	C15-C16-C17-C18
18	G	851	LHG	C29-C30-C31-C32
14	Y	809	CLA	C10-C11-C12-C13
14	L	201	CLA	C4C-C3C-CAC-CBC
14	G	834	CLA	C3-C5-C6-C7
14	S	1103	CLA	C3-C5-C6-C7
14	A	842	CLA	C8-C10-C11-C12
14	B	837	CLA	C5-C6-C7-C8
14	B	810	CLA	O1A-CGA-O2A-C1
14	G	816	CLA	C4C-C3C-CAC-CBC
14	Z	840	CLA	C15-C16-C17-C18
14	B	837	CLA	C4-C3-C5-C6
14	H	836	CLA	C4-C3-C5-C6
14	Y	814	CLA	C2-C3-C5-C6
14	A	806	CLA	CAD-CBD-CGD-O2D
14	A	814	CLA	CAD-CBD-CGD-O2D
14	A	837	CLA	CAD-CBD-CGD-O2D
14	H	826	CLA	CAD-CBD-CGD-O2D
14	H	851	CLA	CAD-CBD-CGD-O2D
14	L	204	CLA	CAD-CBD-CGD-O2D
14	Z	821	CLA	CAD-CBD-CGD-O2D
14	Z	827	CLA	CAD-CBD-CGD-O2D
14	G	833	CLA	C10-C11-C12-C13
14	Z	812	CLA	C5-C6-C7-C8
14	Y	817	CLA	C4C-C3C-CAC-CBC
14	A	809	CLA	C15-C16-C17-C18
14	Z	811	CLA	C16-C17-C18-C20
14	B	804	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	G	810	CLA	C2A-CAA-CBA-CGA
14	U	1006	CLA	C2A-CAA-CBA-CGA
14	A	827	CLA	C8-C10-C11-C12
14	Y	809	CLA	C15-C16-C17-C18
14	H	803	CLA	O1A-CGA-O2A-C1
14	Y	828	CLA	O1A-CGA-O2A-C1
14	Z	802	CLA	O1A-CGA-O2A-C1
14	Y	809	CLA	C2C-C3C-CAC-CBC
14	A	806	CLA	CAD-CBD-CGD-O1D
14	A	814	CLA	CAD-CBD-CGD-O1D
14	A	826	CLA	CHA-CBD-CGD-O1D
14	A	826	CLA	CHA-CBD-CGD-O2D
14	A	837	CLA	CAD-CBD-CGD-O1D
14	A	854	CLA	CHA-CBD-CGD-O1D
14	A	854	CLA	CHA-CBD-CGD-O2D
14	B	833	CLA	CHA-CBD-CGD-O1D
14	B	833	CLA	CHA-CBD-CGD-O2D
14	B	836	CLA	CAD-CBD-CGD-O1D
14	G	808	CLA	CHA-CBD-CGD-O1D
14	G	831	CLA	CHA-CBD-CGD-O1D
14	G	831	CLA	CHA-CBD-CGD-O2D
14	H	802	CLA	CHA-CBD-CGD-O1D
14	H	802	CLA	CHA-CBD-CGD-O2D
14	H	826	CLA	CAD-CBD-CGD-O1D
14	H	833	CLA	CHA-CBD-CGD-O1D
14	H	836	CLA	CAD-CBD-CGD-O1D
14	H	851	CLA	CAD-CBD-CGD-O1D
14	L	204	CLA	CAD-CBD-CGD-O1D
14	S	1101	CLA	CHA-CBD-CGD-O1D
14	U	1007	CLA	CHA-CBD-CGD-O1D
14	Y	804	CLA	CHA-CBD-CGD-O1D
14	Y	820	CLA	CHA-CBD-CGD-O1D
14	Y	820	CLA	CHA-CBD-CGD-O2D
14	Z	811	CLA	CHA-CBD-CGD-O2D
14	Z	815	CLA	CHA-CBD-CGD-O1D
14	Z	815	CLA	CHA-CBD-CGD-O2D
14	Z	821	CLA	CAD-CBD-CGD-O1D
14	Z	822	CLA	CHA-CBD-CGD-O1D
14	Z	822	CLA	CHA-CBD-CGD-O2D
14	Z	827	CLA	CAD-CBD-CGD-O1D
14	Z	834	CLA	CHA-CBD-CGD-O1D
17	F	201	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
17	G	846	BCR	C19-C20-C21-C22
17	G	848	BCR	C15-C16-C17-C18
17	U	1008	BCR	C9-C10-C11-C12
17	U	1008	BCR	C20-C21-C22-C37
17	Z	845	BCR	C9-C10-C11-C12
18	A	853	LHG	C3-O3-P-O5
18	G	850	LHG	C3-O3-P-O5
18	G	850	LHG	C4-O6-P-O5
18	H	849	LHG	C3-O3-P-O5
18	j	101	LHG	C3-O3-P-O6
18	B	849	LHG	C24-C25-C26-C27
14	Z	818	CLA	C16-C17-C18-C20
17	B	844	BCR	C14-C15-C16-C17
14	Y	827	CLA	C4-C3-C5-C6
14	Z	801	CLA	C4-C3-C5-C6
14	A	843	CLA	C2B-C3B-CAB-CBB
14	A	854	CLA	C2B-C3B-CAB-CBB
14	B	835	CLA	C2B-C3B-CAB-CBB
14	G	831	CLA	C2B-C3B-CAB-CBB
14	G	833	CLA	C2B-C3B-CAB-CBB
14	H	804	CLA	C2B-C3B-CAB-CBB
14	H	823	CLA	C2B-C3B-CAB-CBB
14	H	830	CLA	C2B-C3B-CAB-CBB
14	H	837	CLA	C2B-C3B-CAB-CBB
14	J	101	CLA	C2B-C3B-CAB-CBB
14	U	1007	CLA	C2B-C3B-CAB-CBB
14	Y	802	CLA	C2B-C3B-CAB-CBB
14	Y	805	CLA	C2B-C3B-CAB-CBB
14	Z	802	CLA	C2B-C3B-CAB-CBB
14	Z	821	CLA	C2B-C3B-CAB-CBB
17	A	846	BCR	C23-C24-C25-C30
17	G	845	BCR	C23-C24-C25-C30
17	G	848	BCR	C23-C24-C25-C26
17	H	843	BCR	C1-C6-C7-C8
17	H	847	BCR	C1-C6-C7-C8
17	Q	201	BCR	C1-C6-C7-C8
17	R	102	BCR	C5-C6-C7-C8
17	U	1008	BCR	C5-C6-C7-C8
18	G	850	LHG	C29-C30-C31-C32
14	B	806	CLA	C2-C3-C5-C6
14	G	818	CLA	C2-C3-C5-C6
14	H	831	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	Y	822	CLA	C2-C3-C5-C6
18	B	849	LHG	C7-C8-C9-C10
14	G	830	CLA	C15-C16-C17-C18
14	Y	822	CLA	C5-C6-C7-C8
17	e	101	BCR	C37-C22-C23-C24
18	B	849	LHG	C2-C3-O3-P
14	H	812	CLA	C4C-C3C-CAC-CBC
14	Z	819	CLA	C5-C6-C7-C8
18	B	849	LHG	C28-C29-C30-C31
14	G	811	CLA	O1A-CGA-O2A-C1
19	B	848	LMG	C42-C43-C44-C45
14	Y	833	CLA	C2A-CAA-CBA-CGA
14	A	807	CLA	C3-C5-C6-C7
19	Z	849	LMG	C28-C29-C30-C31
14	U	1003	CLA	C2C-C3C-CAC-CBC
14	B	827	CLA	C8-C10-C11-C12
14	U	1003	CLA	C10-C11-C12-C13
14	A	805	CLA	C11-C12-C13-C14
14	G	813	CLA	C4-C3-C5-C6
17	A	846	BCR	C18-C19-C20-C21
17	B	842	BCR	C10-C11-C12-C13
17	B	843	BCR	C18-C19-C20-C21
17	B	846	BCR	C10-C11-C12-C13
17	H	843	BCR	C10-C11-C12-C13
17	I	101	BCR	C18-C19-C20-C21
17	Y	853	BCR	C10-C11-C12-C13
14	H	810	CLA	C15-C16-C17-C18
14	Z	829	CLA	C15-C16-C17-C18
14	A	828	CLA	C2-C3-C5-C6
14	B	832	CLA	C2-C3-C5-C6
14	G	809	CLA	C2-C3-C5-C6
17	Y	852	BCR	C19-C20-C21-C22
17	f	103	BCR	C19-C20-C21-C22
14	Z	803	CLA	C16-C17-C18-C20
14	G	827	CLA	C8-C10-C11-C12
14	A	805	CLA	C11-C10-C8-C9
14	A	819	CLA	C6-C7-C8-C9
14	A	837	CLA	C6-C7-C8-C9
14	B	801	CLA	C11-C10-C8-C9
14	B	809	CLA	C14-C13-C15-C16
14	B	822	CLA	C11-C10-C8-C9
14	B	824	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	B	825	CLA	C11-C12-C13-C14
14	G	808	CLA	C6-C7-C8-C9
14	G	809	CLA	C11-C12-C13-C14
14	G	811	CLA	C11-C12-C13-C14
14	H	825	CLA	C14-C13-C15-C16
14	L	205	CLA	C11-C12-C13-C14
14	U	1002	CLA	C6-C7-C8-C9
14	Y	808	CLA	C11-C10-C8-C9
14	Y	811	CLA	C11-C12-C13-C14
14	Y	821	CLA	C6-C7-C8-C9
14	Y	841	CLA	C14-C13-C15-C16
14	Z	801	CLA	C14-C13-C15-C16
14	Z	814	CLA	C11-C12-C13-C14
15	Y	842	PQN	C19-C18-C20-C21
14	A	827	CLA	C6-C7-C8-C10
14	B	812	CLA	C6-C7-C8-C10
14	G	852	CLA	C12-C13-C15-C16
14	H	818	CLA	C11-C10-C8-C7
14	Z	814	CLA	C6-C7-C8-C10
14	h	205	CLA	C11-C12-C13-C15
17	Z	847	BCR	C11-C10-C9-C8
17	e	101	BCR	C20-C21-C22-C23
18	j	101	LHG	C1-C2-C3-O3
18	A	853	LHG	O6-C4-C5-O7
14	H	834	CLA	C2A-CAA-CBA-CGA
14	G	822	CLA	C16-C17-C18-C20
14	U	1007	CLA	C16-C17-C18-C19
14	A	806	CLA	C10-C11-C12-C13
17	B	850	BCR	C14-C15-C16-C17
14	Z	810	CLA	C8-C10-C11-C12
14	B	832	CLA	C4-C3-C5-C6
14	L	202	CLA	C2-C3-C5-C6
14	Y	805	CLA	C2-C3-C5-C6
14	G	813	CLA	C8-C10-C11-C12
14	H	831	CLA	C15-C16-C17-C18
14	A	814	CLA	C10-C11-C12-C13
14	Y	818	CLA	C8-C10-C11-C12
18	j	101	LHG	C11-C10-C9-C8
18	G	850	LHG	O7-C5-C6-O8
18	Y	851	LHG	O7-C5-C6-O8
18	A	852	LHG	O8-C23-C24-C25
14	Y	832	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	A	846	BCR	C9-C10-C11-C12
17	R	102	BCR	C9-C10-C11-C12
14	Z	824	CLA	C11-C12-C13-C15
14	Y	828	CLA	CAA-CBA-CGA-O2A
14	B	808	CLA	C8-C10-C11-C12
14	H	836	CLA	C10-C11-C12-C13
14	B	801	CLA	O1A-CGA-O2A-C1
14	A	842	CLA	C2-C1-O2A-CGA
14	B	804	CLA	C2-C1-O2A-CGA
14	B	825	CLA	C2-C1-O2A-CGA
14	G	839	CLA	C2-C1-O2A-CGA
14	L	202	CLA	C2-C1-O2A-CGA
14	Y	824	CLA	C2-C1-O2A-CGA
14	G	829	CLA	C16-C17-C18-C19
14	G	818	CLA	C13-C15-C16-C17
14	U	1004	CLA	CAA-CBA-CGA-O2A
14	Y	806	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	C11-C12-C13-C15
14	Z	809	CLA	C16-C17-C18-C19
14	B	828	CLA	CBD-CGD-O2D-CED
15	Y	842	PQN	C13-C15-C16-C17
17	Y	844	BCR	C17-C18-C19-C20
17	h	207	BCR	C7-C8-C9-C10
17	i	101	BCR	C21-C22-C23-C24
14	W	1701	CLA	C2C-C3C-CAC-CBC
14	Y	821	CLA	C2C-C3C-CAC-CBC
14	d	201	CLA	C8-C10-C11-C12
14	H	816	CLA	C2A-CAA-CBA-CGA
14	Y	836	CLA	C2A-CAA-CBA-CGA
14	Y	837	CLA	C2A-CAA-CBA-CGA
17	G	845	BCR	C19-C20-C21-C22
17	Y	844	BCR	C9-C10-C11-C12
14	U	1003	CLA	C16-C17-C18-C20
14	B	821	CLA	C3-C5-C6-C7
14	G	808	CLA	C3-C5-C6-C7
14	A	805	CLA	C8-C10-C11-C12
14	Y	840	CLA	CAA-CBA-CGA-O2A
18	G	851	LHG	O8-C23-C24-C25
14	Z	801	CLA	C2-C3-C5-C6
18	H	849	LHG	O9-C7-O7-C5
14	H	836	CLA	C3-C5-C6-C7
14	H	836	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	A	806	CLA	C11-C10-C8-C9
14	B	802	CLA	C11-C10-C8-C9
14	B	809	CLA	C11-C10-C8-C9
14	U	1003	CLA	C14-C13-C15-C16
14	Y	822	CLA	C11-C12-C13-C14
14	B	839	CLA	C4B-C3B-CAB-CBB
14	G	823	CLA	C4B-C3B-CAB-CBB
14	T	101	CLA	C4B-C3B-CAB-CBB
14	Z	801	CLA	C4B-C3B-CAB-CBB
14	Z	818	CLA	C4B-C3B-CAB-CBB
14	B	813	CLA	C13-C15-C16-C17
14	H	836	CLA	C8-C10-C11-C12
14	B	813	CLA	C2C-C3C-CAC-CBC
14	B	804	CLA	C16-C17-C18-C19
14	B	812	CLA	C16-C17-C18-C19
14	B	801	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	C4C-C3C-CAC-CBC
14	S	1101	CLA	C4C-C3C-CAC-CBC
14	A	806	CLA	C15-C16-C17-C18
14	Y	808	CLA	C13-C15-C16-C17
14	W	1701	CLA	O1D-CGD-O2D-CED
14	B	809	CLA	C4-C3-C5-C6
14	Z	802	CLA	C4-C3-C5-C6
14	G	829	CLA	CAA-CBA-CGA-O2A
14	A	804	CLA	C2-C3-C5-C6
14	A	810	CLA	C2-C3-C5-C6
14	B	837	CLA	C2-C3-C5-C6
14	Y	827	CLA	C2-C3-C5-C6
14	T	101	CLA	CAA-CBA-CGA-O2A
14	A	854	CLA	C5-C6-C7-C8
14	A	807	CLA	C4C-C3C-CAC-CBC
14	B	808	CLA	C11-C12-C13-C15
14	B	825	CLA	C11-C12-C13-C15
14	G	802	CLA	C11-C12-C13-C15
14	G	852	CLA	C11-C10-C8-C7
14	H	803	CLA	C12-C13-C15-C16
14	L	204	CLA	C11-C12-C13-C15
14	U	1004	CLA	C6-C7-C8-C10
14	Y	840	CLA	C11-C10-C8-C7
14	Z	806	CLA	C11-C12-C13-C15
14	B	824	CLA	C10-C11-C12-C13
18	A	852	LHG	C17-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
14	L	202	CLA	O1A-CGA-O2A-C1
14	H	828	CLA	C15-C16-C17-C18
14	A	821	CLA	CBD-CGD-O2D-CED
14	G	810	CLA	CAA-CBA-CGA-O1A
14	A	827	CLA	C3A-C2A-CAA-CBA
14	A	834	CLA	C3A-C2A-CAA-CBA
14	B	824	CLA	C3A-C2A-CAA-CBA
14	G	822	CLA	C4-C3-C5-C6
14	G	828	CLA	C3A-C2A-CAA-CBA
14	G	839	CLA	C3A-C2A-CAA-CBA
14	H	814	CLA	C4-C3-C5-C6
14	T	101	CLA	C3A-C2A-CAA-CBA
14	Y	840	CLA	C3A-C2A-CAA-CBA
14	Z	812	CLA	C3A-C2A-CAA-CBA
14	Z	813	CLA	C3A-C2A-CAA-CBA
14	Z	803	CLA	CAA-CBA-CGA-O2A
14	A	807	CLA	C2-C3-C5-C6
14	G	813	CLA	C2-C3-C5-C6
14	Y	821	CLA	C2-C3-C5-C6
14	Y	827	CLA	C10-C11-C12-C13
17	A	851	BCR	C16-C17-C18-C36
17	F	203	BCR	C35-C13-C14-C15
17	H	844	BCR	C20-C21-C22-C37
17	I	102	BCR	C20-C21-C22-C37
17	L	208	BCR	C11-C10-C9-C34
17	Q	201	BCR	C16-C17-C18-C36
17	Q	203	BCR	C35-C13-C14-C15
17	Z	845	BCR	C20-C21-C22-C37
17	d	203	BCR	C11-C10-C9-C34
17	d	203	BCR	C35-C13-C14-C15
14	Y	808	CLA	C8-C10-C11-C12
14	G	816	CLA	C2-C1-O2A-CGA
14	H	836	CLA	C2-C1-O2A-CGA
14	Z	837	CLA	C2-C1-O2A-CGA
17	I	102	BCR	C9-C10-C11-C12
17	L	208	BCR	C15-C16-C17-C18
17	Y	845	BCR	C9-C10-C11-C12
14	B	809	CLA	C10-C11-C12-C13
14	Y	833	CLA	C2C-C3C-CAC-CBC
19	B	848	LMG	C4-C5-C6-O5
14	Z	832	CLA	C2C-C3C-CAC-CBC
14	B	838	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	Z	821	CLA	CAA-CBA-CGA-O2A
14	G	819	CLA	C13-C15-C16-C17
14	G	833	CLA	C13-C15-C16-C17
14	A	803	CLA	C4-C3-C5-C6
14	B	831	CLA	C4-C3-C5-C6
14	L	204	CLA	C4-C3-C5-C6
14	Y	832	CLA	C4-C3-C5-C6
14	G	827	CLA	C2-C3-C5-C6
14	H	836	CLA	C2-C3-C5-C6
14	Z	819	CLA	C8-C10-C11-C12
14	H	831	CLA	O1D-CGD-O2D-CED
14	G	809	CLA	C2A-CAA-CBA-CGA
14	B	838	CLA	CAA-CBA-CGA-O1A
14	T	101	CLA	CAA-CBA-CGA-O1A
14	Z	821	CLA	CAA-CBA-CGA-O1A
14	Y	821	CLA	C4C-C3C-CAC-CBC
14	H	806	CLA	C3-C5-C6-C7
14	f	101	CLA	C2C-C3C-CAC-CBC
14	A	827	CLA	C11-C10-C8-C9
14	B	807	CLA	C11-C10-C8-C9
14	B	812	CLA	C11-C12-C13-C14
14	G	827	CLA	C11-C12-C13-C14
14	H	807	CLA	C11-C12-C13-C14
14	H	810	CLA	C14-C13-C15-C16
14	L	204	CLA	C11-C12-C13-C14
14	U	1003	CLA	C6-C7-C8-C9
14	U	1004	CLA	C6-C7-C8-C9
14	U	1004	CLA	C11-C12-C13-C14
14	U	1006	CLA	C6-C7-C8-C9
14	Y	804	CLA	C6-C7-C8-C9
14	Y	832	CLA	C11-C12-C13-C14
14	Y	836	CLA	C14-C13-C15-C16
14	Z	801	CLA	C6-C7-C8-C9
14	Z	809	CLA	C11-C12-C13-C14
15	H	841	PQN	C21-C22-C23-C24
18	Y	850	LHG	O1-C1-C2-C3
14	B	816	CLA	C16-C17-C18-C20
14	A	823	CLA	CAA-CBA-CGA-O2A
19	B	848	LMG	C9-C8-O7-C10
14	Y	819	CLA	C13-C15-C16-C17
18	H	849	LHG	C8-C7-O7-C5
14	Z	818	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
18	A	853	LHG	C26-C27-C28-C29
14	Z	827	CLA	C2C-C3C-CAC-CBC
14	B	823	CLA	C3-C5-C6-C7
14	H	825	CLA	C15-C16-C17-C18
14	Z	828	CLA	C8-C10-C11-C12
14	G	810	CLA	CAA-CBA-CGA-O2A
14	H	820	CLA	O1D-CGD-O2D-CED
15	G	843	PQN	C23-C25-C26-C27
14	A	806	CLA	C1A-C2A-CAA-CBA
14	B	804	CLA	C1A-C2A-CAA-CBA
14	G	839	CLA	C1A-C2A-CAA-CBA
14	H	803	CLA	C1A-C2A-CAA-CBA
14	H	804	CLA	C1A-C2A-CAA-CBA
14	H	824	CLA	C1A-C2A-CAA-CBA
14	L	201	CLA	C1A-C2A-CAA-CBA
14	S	1102	CLA	C1A-C2A-CAA-CBA
14	T	101	CLA	C1A-C2A-CAA-CBA
14	Y	802	CLA	C1A-C2A-CAA-CBA
14	Y	811	CLA	C1A-C2A-CAA-CBA
14	Z	811	CLA	C1A-C2A-CAA-CBA
14	h	205	CLA	C1A-C2A-CAA-CBA
14	h	206	CLA	C1A-C2A-CAA-CBA
17	A	851	BCR	C16-C17-C18-C19
17	B	844	BCR	C20-C21-C22-C23
17	F	203	BCR	C12-C13-C14-C15
17	G	849	BCR	C16-C17-C18-C19
17	H	844	BCR	C20-C21-C22-C23
17	I	102	BCR	C20-C21-C22-C23
17	Q	201	BCR	C16-C17-C18-C19
17	Q	203	BCR	C12-C13-C14-C15
17	Z	845	BCR	C20-C21-C22-C23
17	d	203	BCR	C12-C13-C14-C15
19	Z	849	LMG	C33-C34-C35-C36
14	B	815	CLA	C6-C7-C8-C10
14	Z	804	CLA	C8-C10-C11-C12
19	H	848	LMG	C12-C13-C14-C15
14	G	852	CLA	C10-C11-C12-C13
13	A	801	CL0	C2B-C3B-CAB-CBB
14	A	806	CLA	C2B-C3B-CAB-CBB
14	A	807	CLA	C2B-C3B-CAB-CBB
14	A	837	CLA	C2B-C3B-CAB-CBB
14	B	821	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
14	B	832	CLA	C2B-C3B-CAB-CBB
14	B	834	CLA	C2B-C3B-CAB-CBB
14	B	839	CLA	C2B-C3B-CAB-CBB
14	G	814	CLA	C2B-C3B-CAB-CBB
14	G	823	CLA	C2B-C3B-CAB-CBB
14	G	824	CLA	C2B-C3B-CAB-CBB
14	G	827	CLA	C2B-C3B-CAB-CBB
14	G	828	CLA	C2B-C3B-CAB-CBB
14	H	805	CLA	C2B-C3B-CAB-CBB
14	H	827	CLA	C2B-C3B-CAB-CBB
14	T	101	CLA	C2B-C3B-CAB-CBB
14	Y	823	CLA	C2B-C3B-CAB-CBB
14	Y	834	CLA	C2B-C3B-CAB-CBB
14	Z	801	CLA	C2B-C3B-CAB-CBB
14	Z	833	CLA	C2B-C3B-CAB-CBB
14	f	102	CLA	C2B-C3B-CAB-CBB
17	A	847	BCR	C5-C6-C7-C8
17	A	848	BCR	C5-C6-C7-C8
17	B	850	BCR	C23-C24-C25-C26
17	G	847	BCR	C23-C24-C25-C30
17	L	208	BCR	C5-C6-C7-C8
17	T	102	BCR	C23-C24-C25-C26
17	V	101	BCR	C1-C6-C7-C8
17	Z	848	BCR	C1-C6-C7-C8
17	e	101	BCR	C23-C24-C25-C26
14	j	102	CLA	CAA-CBA-CGA-O1A
14	Y	808	CLA	C15-C16-C17-C18
14	Z	808	CLA	O1A-CGA-O2A-C1
14	A	823	CLA	C16-C17-C18-C19
14	Y	805	CLA	C10-C11-C12-C13
14	H	820	CLA	CAA-CBA-CGA-O1A
14	X	1701	CLA	CAA-CBA-CGA-O1A
14	A	802	CLA	C4-C3-C5-C6
14	G	802	CLA	C4-C3-C5-C6
14	Y	806	CLA	C4-C3-C5-C6
14	Z	809	CLA	C4-C3-C5-C6
15	G	843	PQN	C14-C13-C15-C16
18	Y	850	LHG	C26-C27-C28-C29
14	A	803	CLA	C2-C3-C5-C6
14	B	809	CLA	C2-C3-C5-C6
14	B	831	CLA	C2-C3-C5-C6
14	G	802	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	Y	832	CLA	C2-C3-C5-C6
14	B	840	CLA	C10-C11-C12-C13
14	B	819	CLA	CAA-CBA-CGA-O1A
14	W	1701	CLA	CAA-CBA-CGA-O1A
14	A	831	CLA	C12-C13-C15-C16
14	A	833	CLA	C12-C13-C15-C16
14	B	802	CLA	C11-C10-C8-C7
14	B	825	CLA	C12-C13-C15-C16
14	G	806	CLA	C12-C13-C15-C16
14	G	821	CLA	C6-C7-C8-C10
14	G	822	CLA	C6-C7-C8-C10
14	Y	822	CLA	C11-C12-C13-C15
14	Z	802	CLA	C6-C7-C8-C10
14	Z	808	CLA	C11-C12-C13-C15
14	Z	811	CLA	C6-C7-C8-C10
14	Z	819	CLA	C11-C10-C8-C7
14	Z	827	CLA	C11-C12-C13-C15
14	Z	840	CLA	C11-C12-C13-C15
14	B	813	CLA	C16-C17-C18-C20
14	B	827	CLA	C16-C17-C18-C19
14	Z	815	CLA	C16-C17-C18-C19
14	A	818	CLA	C2A-CAA-CBA-CGA
14	H	807	CLA	C2A-CAA-CBA-CGA
14	H	818	CLA	C2A-CAA-CBA-CGA
18	H	849	LHG	O7-C5-C6-O8
14	A	811	CLA	CAA-CBA-CGA-O1A
14	A	811	CLA	CAA-CBA-CGA-O2A
18	Y	850	LHG	C14-C15-C16-C17
14	A	820	CLA	C3-C5-C6-C7
18	A	852	LHG	C18-C19-C20-C21
14	B	819	CLA	CAA-CBA-CGA-O2A
14	H	835	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	C4-C3-C5-C6
14	G	821	CLA	C4-C3-C5-C6
14	L	202	CLA	C4-C3-C5-C6
14	Y	820	CLA	CAA-CBA-CGA-O2A
14	A	809	CLA	C2-C3-C5-C6
14	H	808	CLA	C2-C3-C5-C6
14	Z	809	CLA	C2-C3-C5-C6
14	B	809	CLA	C2-C1-O2A-CGA
14	H	810	CLA	C2-C1-O2A-CGA
14	S	1102	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
17	G	849	BCR	C21-C22-C23-C24
14	B	823	CLA	C6-C7-C8-C9
14	H	819	CLA	C11-C12-C13-C15
14	H	827	CLA	C16-C17-C18-C19
14	Z	808	CLA	C13-C15-C16-C17
14	B	804	CLA	CBA-CGA-O2A-C1
14	A	809	CLA	C2A-CAA-CBA-CGA
14	Z	805	CLA	C2A-CAA-CBA-CGA
14	H	815	CLA	CAA-CBA-CGA-O1A
14	A	830	CLA	C6-C7-C8-C9
17	A	850	BCR	C9-C10-C11-C12
17	H	847	BCR	C15-C16-C17-C18
14	J	101	CLA	CAA-CBA-CGA-O2A
14	B	807	CLA	C4-C3-C5-C6
14	H	808	CLA	C4-C3-C5-C6
14	H	810	CLA	C4-C3-C5-C6
14	H	823	CLA	C4-C3-C5-C6
14	U	1002	CLA	C4-C3-C5-C6
14	Y	802	CLA	C4-C3-C5-C6
14	J	101	CLA	CAA-CBA-CGA-O1A
14	H	814	CLA	C2-C3-C5-C6
14	H	825	CLA	C2-C3-C5-C6
14	L	204	CLA	C2-C3-C5-C6
18	j	101	LHG	O10-C23-O8-C6
13	G	801	CL0	C5-C6-C7-C8
14	G	819	CLA	C8-C10-C11-C12
14	Y	827	CLA	C15-C16-C17-C18
14	Y	832	CLA	C15-C16-C17-C18
14	Y	817	CLA	C3-C5-C6-C7
14	H	835	CLA	CAA-CBA-CGA-O1A
14	H	832	CLA	C5-C6-C7-C8
14	U	1004	CLA	C5-C6-C7-C8
14	G	853	CLA	CAA-CBA-CGA-O2A
14	H	815	CLA	CAA-CBA-CGA-O2A
14	H	820	CLA	CAA-CBA-CGA-O2A
14	A	837	CLA	C2A-CAA-CBA-CGA
14	G	817	CLA	C2A-CAA-CBA-CGA
15	Y	842	PQN	C18-C20-C21-C22
14	H	808	CLA	C16-C17-C18-C20
14	Z	822	CLA	CAA-CBA-CGA-O1A
14	j	102	CLA	CAA-CBA-CGA-O2A
14	A	839	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	Y	821	CLA	C8-C10-C11-C12
14	A	809	CLA	C4-C3-C5-C6
14	A	822	CLA	C4-C3-C5-C6
14	Z	810	CLA	C4-C3-C5-C6
14	Z	811	CLA	C4-C3-C5-C6
15	Z	842	PQN	C14-C13-C15-C16
17	Q	201	BCR	C9-C10-C11-C12
14	W	1701	CLA	CAA-CBA-CGA-O2A
14	X	1701	CLA	CAA-CBA-CGA-O2A
14	A	807	CLA	CAA-CBA-CGA-O2A
14	Y	832	CLA	C16-C17-C18-C19
14	B	802	CLA	C4B-C3B-CAB-CBB
14	B	834	CLA	C4B-C3B-CAB-CBB
14	G	805	CLA	C4B-C3B-CAB-CBB
14	G	814	CLA	C4B-C3B-CAB-CBB
14	G	826	CLA	C4B-C3B-CAB-CBB
14	H	805	CLA	C4B-C3B-CAB-CBB
14	H	812	CLA	C4B-C3B-CAB-CBB
14	Z	804	CLA	C4B-C3B-CAB-CBB
14	Z	839	CLA	C4B-C3B-CAB-CBB
14	H	821	CLA	CAA-CBA-CGA-O2A
14	B	804	CLA	O1A-CGA-O2A-C1
17	B	844	BCR	C20-C21-C22-C37
17	B	850	BCR	C11-C10-C9-C34
17	G	849	BCR	C16-C17-C18-C36
17	R	102	BCR	C20-C21-C22-C37
17	Y	846	BCR	C20-C21-C22-C37
14	H	809	CLA	O1A-CGA-O2A-C1
14	H	802	CLA	C15-C16-C17-C18
14	A	821	CLA	CAA-CBA-CGA-O2A
14	H	813	CLA	CAA-CBA-CGA-O2A
14	A	834	CLA	C2C-C3C-CAC-CBC
14	B	801	CLA	C8-C10-C11-C12
14	G	834	CLA	C4-C3-C5-C6
14	Z	824	CLA	C4-C3-C5-C6
18	H	849	LHG	C23-C24-C25-C26
14	Z	836	CLA	CAA-CBA-CGA-O1A
17	H	846	BCR	C37-C22-C23-C24
13	G	801	CL0	C11-C10-C8-C7
14	G	821	CLA	C11-C12-C13-C15
14	U	1006	CLA	C11-C12-C13-C15
14	B	834	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	S	1102	CLA	CAA-CBA-CGA-O1A
14	Z	810	CLA	C13-C15-C16-C17
13	G	801	CL0	CAA-CBA-CGA-O2A
14	H	803	CLA	CAA-CBA-CGA-O2A
18	j	101	LHG	O2-C2-C3-O3
14	Y	833	CLA	C3-C5-C6-C7
17	B	847	BCR	C7-C8-C9-C10
14	A	804	CLA	C11-C12-C13-C14
14	A	854	CLA	C11-C12-C13-C14
14	H	805	CLA	C11-C10-C8-C9
14	Y	826	CLA	C6-C7-C8-C9
14	Z	810	CLA	C11-C10-C8-C9
14	Z	811	CLA	C11-C12-C13-C14
14	Z	820	CLA	C6-C7-C8-C9
14	Z	827	CLA	C11-C10-C8-C9
18	A	853	LHG	C28-C29-C30-C31
14	H	820	CLA	CBD-CGD-O2D-CED
14	Z	829	CLA	C2A-CAA-CBA-CGA
14	d	201	CLA	C2A-CAA-CBA-CGA
14	A	832	CLA	C2-C1-O2A-CGA
14	H	822	CLA	C2-C1-O2A-CGA
14	H	837	CLA	C2-C1-O2A-CGA
14	Z	805	CLA	C2-C1-O2A-CGA
14	d	201	CLA	C15-C16-C17-C18
15	A	844	PQN	C15-C16-C17-C18
14	A	838	CLA	C3A-C2A-CAA-CBA
14	B	837	CLA	C3A-C2A-CAA-CBA
14	G	813	CLA	C3A-C2A-CAA-CBA
14	H	803	CLA	C3A-C2A-CAA-CBA
14	Y	813	CLA	C3A-C2A-CAA-CBA
14	h	206	CLA	C3A-C2A-CAA-CBA
14	G	853	CLA	CAA-CBA-CGA-O1A
14	Z	836	CLA	CAA-CBA-CGA-O2A
14	G	822	CLA	C2-C3-C5-C6
14	Z	825	CLA	C2-C3-C5-C6
14	G	824	CLA	C2C-C3C-CAC-CBC
18	A	853	LHG	C7-C8-C9-C10
14	H	818	CLA	C3-C5-C6-C7
13	A	801	CL0	CAA-CBA-CGA-O2A
14	B	812	CLA	CAA-CBA-CGA-O2A
17	Y	846	BCR	C18-C19-C20-C21
17	h	207	BCR	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
14	B	834	CLA	CAA-CBA-CGA-O1A
14	Z	822	CLA	CAA-CBA-CGA-O2A
14	Z	808	CLA	CBA-CGA-O2A-C1
18	Y	850	LHG	O10-C23-C24-C25
14	A	837	CLA	C16-C17-C18-C20
14	G	826	CLA	C11-C12-C13-C14
14	B	835	CLA	CAA-CBA-CGA-O1A
18	Y	851	LHG	C25-C26-C27-C28
14	Y	811	CLA	C4-C3-C5-C6
14	H	821	CLA	CAA-CBA-CGA-O1A
14	A	802	CLA	C2-C3-C5-C6
14	Y	811	CLA	C2-C3-C5-C6
17	A	848	BCR	C16-C17-C18-C19
17	R	102	BCR	C20-C21-C22-C23
17	U	1008	BCR	C20-C21-C22-C23
14	G	820	CLA	O1D-CGD-O2D-CED
15	A	844	PQN	C23-C25-C26-C27
18	j	101	LHG	C24-C23-O8-C6
14	Z	811	CLA	O1A-CGA-O2A-C1
14	A	812	CLA	C15-C16-C17-C18
14	B	810	CLA	C3-C5-C6-C7
14	B	820	CLA	CAA-CBA-CGA-O1A
14	G	824	CLA	C4C-C3C-CAC-CBC
14	G	821	CLA	C13-C15-C16-C17
14	A	808	CLA	CAA-CBA-CGA-O2A
14	A	826	CLA	CAA-CBA-CGA-O2A
14	A	813	CLA	O1D-CGD-O2D-CED
14	Z	833	CLA	C2C-C3C-CAC-CBC
14	B	831	CLA	C15-C16-C17-C18
17	H	850	BCR	C14-C15-C16-C17
17	U	1008	BCR	C14-C15-C16-C17
13	Y	801	CL0	C11-C12-C13-C14
14	A	809	CLA	C11-C10-C8-C9
14	A	820	CLA	C14-C13-C15-C16
14	B	828	CLA	C11-C10-C8-C9
14	G	806	CLA	C11-C12-C13-C14
14	G	811	CLA	C11-C10-C8-C9
14	G	837	CLA	C11-C12-C13-C14
14	G	840	CLA	C11-C10-C8-C9
14	H	801	CLA	C14-C13-C15-C16
14	H	802	CLA	C6-C7-C8-C9
14	H	802	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	H	809	CLA	C6-C7-C8-C9
14	H	813	CLA	C14-C13-C15-C16
14	H	826	CLA	C14-C13-C15-C16
14	U	1006	CLA	C14-C13-C15-C16
14	Y	811	CLA	C11-C10-C8-C9
14	Y	819	CLA	C6-C7-C8-C9
14	Y	820	CLA	C6-C7-C8-C9
14	Z	807	CLA	C6-C7-C8-C9
14	B	804	CLA	C16-C17-C18-C20
14	A	815	CLA	CAA-CBA-CGA-O2A
14	G	837	CLA	CAA-CBA-CGA-O2A
14	B	835	CLA	CAA-CBA-CGA-O2A
18	G	850	LHG	C31-C32-C33-C34
17	A	849	BCR	C21-C22-C23-C24
14	B	815	CLA	C3-C5-C6-C7
14	Y	812	CLA	C3-C5-C6-C7
19	B	848	LMG	C14-C15-C16-C17
14	B	840	CLA	CAA-CBA-CGA-O2A
14	B	827	CLA	C16-C17-C18-C20
14	Y	828	CLA	C16-C17-C18-C19
14	H	810	CLA	C2-C3-C5-C6
14	Z	811	CLA	CBA-CGA-O2A-C1
14	Z	816	CLA	C2A-CAA-CBA-CGA
14	A	823	CLA	C11-C12-C13-C15
14	A	828	CLA	C12-C13-C15-C16
14	A	830	CLA	C6-C7-C8-C10
14	A	841	CLA	C11-C10-C8-C7
14	B	807	CLA	C6-C7-C8-C10
14	B	807	CLA	C11-C12-C13-C15
14	B	809	CLA	C11-C10-C8-C7
14	B	827	CLA	C11-C12-C13-C15
14	G	803	CLA	C11-C10-C8-C7
14	G	825	CLA	C11-C12-C13-C15
14	G	827	CLA	C12-C13-C15-C16
14	H	809	CLA	C12-C13-C15-C16
14	H	817	CLA	C11-C10-C8-C7
14	S	1101	CLA	C6-C7-C8-C10
14	U	1006	CLA	C6-C7-C8-C10
14	Y	806	CLA	C6-C7-C8-C10
14	Y	832	CLA	C6-C7-C8-C10
14	Z	804	CLA	C6-C7-C8-C10
14	Z	811	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	Z	828	CLA	C12-C13-C15-C16
14	h	205	CLA	C12-C13-C15-C16
14	A	821	CLA	O1D-CGD-O2D-CED
14	Y	836	CLA	C3-C5-C6-C7
14	A	815	CLA	C2B-C3B-CAB-CBB
14	B	818	CLA	C2B-C3B-CAB-CBB
14	B	819	CLA	C2B-C3B-CAB-CBB
14	B	825	CLA	C2B-C3B-CAB-CBB
14	G	803	CLA	C2B-C3B-CAB-CBB
14	G	805	CLA	C2B-C3B-CAB-CBB
14	G	842	CLA	C2B-C3B-CAB-CBB
14	G	852	CLA	C2B-C3B-CAB-CBB
14	H	812	CLA	C2B-C3B-CAB-CBB
14	H	818	CLA	C2B-C3B-CAB-CBB
14	Y	826	CLA	C2B-C3B-CAB-CBB
14	Y	837	CLA	C2B-C3B-CAB-CBB
14	Z	804	CLA	C2B-C3B-CAB-CBB
14	Z	815	CLA	C2B-C3B-CAB-CBB
14	Z	818	CLA	C2B-C3B-CAB-CBB
14	Z	820	CLA	C2B-C3B-CAB-CBB
14	Z	828	CLA	C2B-C3B-CAB-CBB
14	Z	832	CLA	C2B-C3B-CAB-CBB
14	Z	841	CLA	C2B-C3B-CAB-CBB
14	g	102	CLA	C2B-C3B-CAB-CBB
17	B	845	BCR	C23-C24-C25-C26
17	B	846	BCR	C1-C6-C7-C8
17	G	848	BCR	C5-C6-C7-C8
17	H	844	BCR	C5-C6-C7-C8
17	H	846	BCR	C23-C24-C25-C30
17	H	850	BCR	C5-C6-C7-C8
17	M	101	BCR	C1-C6-C7-C8
17	R	102	BCR	C23-C24-C25-C26
17	Y	846	BCR	C1-C6-C7-C8
17	Y	846	BCR	C23-C24-C25-C30
17	i	101	BCR	C5-C6-C7-C8
14	Y	807	CLA	CAA-CBA-CGA-O2A
14	Z	823	CLA	CAA-CBA-CGA-O2A
14	U	1007	CLA	C2C-C3C-CAC-CBC
14	A	831	CLA	C2-C1-O2A-CGA
14	B	827	CLA	C2-C1-O2A-CGA
14	H	805	CLA	C2-C1-O2A-CGA
14	Y	802	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	Y	809	CLA	C2-C1-O2A-CGA
14	Z	838	CLA	C2-C1-O2A-CGA
17	h	202	BCR	C15-C16-C17-C18
14	H	831	CLA	C16-C17-C18-C19
14	A	829	CLA	CAA-CBA-CGA-O2A
14	B	837	CLA	CAA-CBA-CGA-O2A
14	Z	808	CLA	CAA-CBA-CGA-O2A
14	B	813	CLA	C4C-C3C-CAC-CBC
14	L	202	CLA	CBA-CGA-O2A-C1
14	B	808	CLA	CAA-CBA-CGA-O2A
14	B	818	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	C2-C3-C5-C6
15	G	843	PQN	C12-C13-C15-C16
14	H	806	CLA	C8-C10-C11-C12
14	Z	830	CLA	C5-C6-C7-C8
14	A	810	CLA	CAA-CBA-CGA-O2A
14	B	817	CLA	CAA-CBA-CGA-O2A
14	G	818	CLA	CAA-CBA-CGA-O2A
19	H	848	LMG	C29-C30-C31-C32
14	G	812	CLA	C2C-C3C-CAC-CBC
14	H	824	CLA	C2C-C3C-CAC-CBC
14	A	806	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O2A
14	G	831	CLA	CAA-CBA-CGA-O2A
14	H	809	CLA	CAA-CBA-CGA-O2A
14	H	851	CLA	CAA-CBA-CGA-O2A
19	Z	849	LMG	O7-C10-C11-C12
14	Z	835	CLA	CAA-CBA-CGA-O2A
14	H	809	CLA	C4-C3-C5-C6
18	A	852	LHG	C35-C36-C37-C38
14	G	811	CLA	CAA-CBA-CGA-O2A
14	Z	838	CLA	CAA-CBA-CGA-O2A
14	Z	802	CLA	C2-C3-C5-C6
14	H	830	CLA	C2A-CAA-CBA-CGA
14	A	824	CLA	CAA-CBA-CGA-O2A
14	B	821	CLA	CAA-CBA-CGA-O2A
14	Y	832	CLA	CAA-CBA-CGA-O2A
14	B	825	CLA	C14-C13-C15-C16
14	B	839	CLA	C14-C13-C15-C16
14	G	802	CLA	C11-C12-C13-C14
14	G	818	CLA	C14-C13-C15-C16
14	Z	806	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	Z	811	CLA	C6-C7-C8-C9
15	G	843	PQN	C24-C23-C25-C26
15	Z	842	PQN	C21-C22-C23-C24
17	G	849	BCR	C37-C22-C23-C24
14	A	825	CLA	CAA-CBA-CGA-O2A
14	G	805	CLA	CAA-CBA-CGA-O2A
14	G	807	CLA	CAA-CBA-CGA-O2A
14	G	841	CLA	CAA-CBA-CGA-O2A
14	Y	815	CLA	CAA-CBA-CGA-O2A
14	Y	818	CLA	CAA-CBA-CGA-O2A
14	Y	827	CLA	CAA-CBA-CGA-O2A
14	Z	810	CLA	CAA-CBA-CGA-O2A
14	Y	809	CLA	C4C-C3C-CAC-CBC
19	H	848	LMG	C31-C32-C33-C34
14	f	102	CLA	C5-C6-C7-C8
14	A	815	CLA	C4B-C3B-CAB-CBB
14	B	826	CLA	C4B-C3B-CAB-CBB
14	G	808	CLA	C4B-C3B-CAB-CBB
14	G	813	CLA	C1A-C2A-CAA-CBA
14	G	829	CLA	C1A-C2A-CAA-CBA
14	G	829	CLA	C4B-C3B-CAB-CBB
14	G	834	CLA	C4B-C3B-CAB-CBB
14	G	842	CLA	C4B-C3B-CAB-CBB
14	H	810	CLA	C4B-C3B-CAB-CBB
14	H	818	CLA	C4B-C3B-CAB-CBB
14	S	1102	CLA	C4B-C3B-CAB-CBB
14	W	1701	CLA	C4B-C3B-CAB-CBB
14	Y	813	CLA	C1A-C2A-CAA-CBA
14	Z	802	CLA	C1A-C2A-CAA-CBA
14	Z	812	CLA	C4B-C3B-CAB-CBB
14	Z	820	CLA	C4B-C3B-CAB-CBB
14	Z	832	CLA	C4B-C3B-CAB-CBB
14	Z	841	CLA	C4B-C3B-CAB-CBB
14	f	102	CLA	C1A-C2A-CAA-CBA
14	h	201	CLA	C1A-C2A-CAA-CBA
14	j	102	CLA	C1A-C2A-CAA-CBA
14	B	820	CLA	CAA-CBA-CGA-O2A
14	Z	835	CLA	CAA-CBA-CGA-O1A
14	A	812	CLA	C4-C3-C5-C6
14	Z	814	CLA	C4-C3-C5-C6
14	A	838	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
17	A	849	BCR	C11-C12-C13-C14
17	B	844	BCR	C7-C8-C9-C10
17	B	846	BCR	C17-C18-C19-C20
17	H	846	BCR	C11-C12-C13-C14
17	J	104	BCR	C17-C18-C19-C20
17	S	1105	BCR	C17-C18-C19-C20
17	Y	846	BCR	C11-C12-C13-C14
17	Y	847	BCR	C17-C18-C19-C20
17	h	207	BCR	C21-C22-C23-C24
17	L	207	BCR	C19-C20-C21-C22
17	Y	846	BCR	C19-C20-C21-C22
17	Y	853	BCR	C19-C20-C21-C22
14	B	837	CLA	C13-C15-C16-C17
15	Y	842	PQN	C26-C27-C28-C30
14	G	826	CLA	C2C-C3C-CAC-CBC
14	B	813	CLA	CAA-CBA-CGA-O2A
14	H	801	CLA	CAA-CBA-CGA-O2A
14	H	823	CLA	CAA-CBA-CGA-O2A
14	H	837	CLA	CAA-CBA-CGA-O2A
14	S	1103	CLA	CAA-CBA-CGA-O2A
18	A	852	LHG	O7-C7-C8-C9
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	G	802	CLA	C5-C6-C7-C8
18	A	852	LHG	C30-C31-C32-C33
19	B	848	LMG	C34-C35-C36-C37
14	Y	819	CLA	C3-C5-C6-C7
14	Z	833	CLA	CAA-CBA-CGA-O2A
14	H	803	CLA	C8-C10-C11-C12
14	A	810	CLA	O1D-CGD-O2D-CED
14	A	808	CLA	C2-C3-C5-C6
14	Z	811	CLA	C10-C11-C12-C13
14	h	204	CLA	C4-C3-C5-C6
14	A	836	CLA	C2-C1-O2A-CGA
14	A	837	CLA	C2-C1-O2A-CGA
14	B	808	CLA	C2-C1-O2A-CGA
14	Y	830	CLA	C2-C1-O2A-CGA
14	Y	835	CLA	C2-C1-O2A-CGA
14	Z	802	CLA	C2-C1-O2A-CGA
14	Z	811	CLA	C2-C1-O2A-CGA
14	A	810	CLA	C12-C13-C15-C16
14	A	818	CLA	C6-C7-C8-C10
14	A	819	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	A	828	CLA	C6-C7-C8-C10
14	G	805	CLA	C11-C12-C13-C15
14	G	819	CLA	C6-C7-C8-C10
14	H	814	CLA	C11-C12-C13-C15
14	H	836	CLA	C6-C7-C8-C10
14	H	839	CLA	C12-C13-C15-C16
14	Y	805	CLA	C11-C10-C8-C7
14	H	809	CLA	CBA-CGA-O2A-C1
14	Y	806	CLA	C2-C3-C5-C6
14	G	806	CLA	C8-C10-C11-C12
14	S	1101	CLA	C16-C17-C18-C19
14	L	202	CLA	C2C-C3C-CAC-CBC
14	Z	828	CLA	CAA-CBA-CGA-O2A
14	Z	836	CLA	C2C-C3C-CAC-CBC
14	A	854	CLA	C2A-CAA-CBA-CGA
14	B	821	CLA	C2A-CAA-CBA-CGA
14	G	806	CLA	C2A-CAA-CBA-CGA
14	G	818	CLA	C2A-CAA-CBA-CGA
14	L	202	CLA	C2A-CAA-CBA-CGA
14	S	1102	CLA	C2A-CAA-CBA-CGA
14	Z	808	CLA	C2A-CAA-CBA-CGA
14	G	841	CLA	C5-C6-C7-C8
14	H	805	CLA	C16-C17-C18-C20
14	Z	841	CLA	C16-C17-C18-C20
14	H	819	CLA	CAA-CBA-CGA-O2A
14	B	812	CLA	C8-C10-C11-C12
14	F	202	CLA	CAA-CBA-CGA-O2A
14	G	814	CLA	C3A-C2A-CAA-CBA
14	H	819	CLA	C4-C3-C5-C6
14	Y	802	CLA	C3A-C2A-CAA-CBA
14	Z	814	CLA	C3A-C2A-CAA-CBA
14	Z	818	CLA	C4-C3-C5-C6
14	j	102	CLA	C3A-C2A-CAA-CBA
14	A	826	CLA	CAA-CBA-CGA-O1A
14	B	837	CLA	CAA-CBA-CGA-O1A
14	H	810	CLA	C13-C15-C16-C17
14	B	802	CLA	CAA-CBA-CGA-O2A
14	J	102	CLA	CAA-CBA-CGA-O2A
17	Y	852	BCR	C16-C17-C18-C19
17	Z	846	BCR	C20-C21-C22-C23
17	d	203	BCR	C11-C10-C9-C8
14	H	851	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	Z	819	CLA	CAA-CBA-CGA-O2A
14	G	818	CLA	CAA-CBA-CGA-O1A
19	B	848	LMG	C37-C38-C39-C40
14	B	806	CLA	C10-C11-C12-C13
14	A	818	CLA	C6-C7-C8-C9
14	A	823	CLA	C11-C12-C13-C14
14	A	841	CLA	C14-C13-C15-C16
14	G	806	CLA	C14-C13-C15-C16
14	G	819	CLA	C6-C7-C8-C9
14	G	832	CLA	C6-C7-C8-C9
14	G	837	CLA	C6-C7-C8-C9
14	H	802	CLA	C11-C12-C13-C14
14	Z	801	CLA	C11-C12-C13-C14
14	Z	814	CLA	C11-C10-C8-C9
14	Z	828	CLA	C11-C12-C13-C14
18	B	849	LHG	O7-C7-C8-C9
14	A	825	CLA	CAA-CBA-CGA-O1A
14	B	821	CLA	CAA-CBA-CGA-O1A
14	G	837	CLA	CAA-CBA-CGA-O1A
14	Y	815	CLA	CAA-CBA-CGA-O1A
18	Y	850	LHG	C29-C30-C31-C32
18	Y	850	LHG	C31-C32-C33-C34
17	Y	847	BCR	C19-C20-C21-C22
14	Z	824	CLA	C3-C5-C6-C7
14	A	834	CLA	C6-C7-C8-C9
14	H	810	CLA	C4C-C3C-CAC-CBC
17	A	848	BCR	C36-C18-C19-C20
13	Y	801	CL0	CAA-CBA-CGA-O1A
14	B	802	CLA	CAA-CBA-CGA-O1A
14	B	808	CLA	CAA-CBA-CGA-O1A
14	B	818	CLA	CAA-CBA-CGA-O1A
14	G	807	CLA	CAA-CBA-CGA-O1A
14	G	821	CLA	CAA-CBA-CGA-O1A
14	G	831	CLA	CAA-CBA-CGA-O1A
14	Z	808	CLA	CAA-CBA-CGA-O1A
18	H	849	LHG	C11-C12-C13-C14
14	Z	837	CLA	C5-C6-C7-C8
14	A	838	CLA	CAA-CBA-CGA-O1A
14	Y	828	CLA	C2C-C3C-CAC-CBC
18	G	850	LHG	O7-C7-C8-C9
14	Z	817	CLA	C6-C7-C8-C9
14	A	820	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	H	842	BCR	C17-C18-C19-C20
14	G	805	CLA	CAA-CBA-CGA-O1A
14	G	811	CLA	CAA-CBA-CGA-O1A
14	J	102	CLA	CAA-CBA-CGA-O1A
14	U	1002	CLA	C13-C15-C16-C17
14	Z	838	CLA	C13-C15-C16-C17
14	A	824	CLA	CAA-CBA-CGA-O1A
14	H	801	CLA	CAA-CBA-CGA-O1A
14	H	837	CLA	CAA-CBA-CGA-O1A
14	Y	807	CLA	CAA-CBA-CGA-O1A
14	Z	810	CLA	CAA-CBA-CGA-O1A
14	Z	823	CLA	CAA-CBA-CGA-O1A
14	B	810	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	CAA-CBA-CGA-O2A
14	G	802	CLA	C8-C10-C11-C12
14	H	810	CLA	C2A-CAA-CBA-CGA
14	A	805	CLA	CAA-CBA-CGA-O1A
14	A	806	CLA	CAA-CBA-CGA-O1A
14	G	841	CLA	CAA-CBA-CGA-O1A
14	H	809	CLA	CAA-CBA-CGA-O1A
14	H	819	CLA	CAA-CBA-CGA-O1A
14	Y	823	CLA	CAA-CBA-CGA-O1A
14	Y	832	CLA	CAA-CBA-CGA-O1A
14	Z	833	CLA	CAA-CBA-CGA-O1A
14	Z	838	CLA	CAA-CBA-CGA-O1A
14	B	826	CLA	C8-C10-C11-C12
14	H	823	CLA	C10-C11-C12-C13
14	Z	802	CLA	C5-C6-C7-C8
14	A	830	CLA	CAA-CBA-CGA-O2A
14	G	806	CLA	CAA-CBA-CGA-O2A
14	Y	829	CLA	CAA-CBA-CGA-O2A
14	G	834	CLA	C2-C3-C5-C6
14	A	808	CLA	CAA-CBA-CGA-O1A
14	B	813	CLA	CAA-CBA-CGA-O1A
14	Y	827	CLA	CAA-CBA-CGA-O1A
14	A	826	CLA	CAD-CBD-CGD-O2D
14	H	836	CLA	CAD-CBD-CGD-O2D
14	Z	836	CLA	CAD-CBD-CGD-O2D
14	B	812	CLA	C5-C6-C7-C8
14	A	813	CLA	CAA-CBA-CGA-O2A
14	Y	805	CLA	CAA-CBA-CGA-O2A
14	Y	814	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	H	823	CLA	CAA-CBA-CGA-O1A
14	A	841	CLA	C4C-C3C-CAC-CBC
14	B	820	CLA	C4C-C3C-CAC-CBC
14	Z	820	CLA	C5-C6-C7-C8
14	A	839	CLA	C2-C1-O2A-CGA
14	G	813	CLA	C2-C1-O2A-CGA
14	Z	823	CLA	C2-C1-O2A-CGA
14	A	810	CLA	CAA-CBA-CGA-O1A
14	A	805	CLA	CAA-CBA-CGA-O2A
14	H	811	CLA	CAA-CBA-CGA-O2A
14	K	101	CLA	C2C-C3C-CAC-CBC
14	B	802	CLA	C16-C17-C18-C19
14	H	811	CLA	CAA-CBA-CGA-O1A
14	S	1103	CLA	CAA-CBA-CGA-O1A
14	Y	818	CLA	CAA-CBA-CGA-O1A
14	Z	819	CLA	CAA-CBA-CGA-O1A
18	A	852	LHG	O9-C7-C8-C9
14	B	826	CLA	C10-C11-C12-C13
14	B	828	CLA	C8-C10-C11-C12
14	B	839	CLA	C11-C12-C13-C15
14	H	808	CLA	CAA-CBA-CGA-O2A
14	Z	820	CLA	C2-C3-C5-C6
14	F	202	CLA	CAA-CBA-CGA-O1A
14	G	830	CLA	CAA-CBA-CGA-O1A
18	B	849	LHG	O9-C7-C8-C9
19	Z	849	LMG	O9-C10-C11-C12
14	H	817	CLA	C8-C10-C11-C12
19	B	848	LMG	C39-C40-C41-C42
14	A	819	CLA	CAA-CBA-CGA-O2A
14	G	830	CLA	CAA-CBA-CGA-O2A
14	H	822	CLA	CAA-CBA-CGA-O2A
14	Z	804	CLA	CAA-CBA-CGA-O2A
18	G	850	LHG	O8-C23-C24-C25
14	Z	827	CLA	CBA-CGA-O2A-C1
14	A	803	CLA	C10-C11-C12-C13
14	Y	817	CLA	C5-C6-C7-C8
15	B	841	PQN	C18-C20-C21-C22
18	G	850	LHG	O9-C7-C8-C9

There are no ring outliers.

366 monomers are involved in 1910 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	H	843	BCR	5	0
18	H	849	LHG	3	0
14	B	819	CLA	6	0
14	A	824	CLA	1	0
14	H	812	CLA	2	0
14	L	205	CLA	2	0
14	Z	822	CLA	1	0
14	A	817	CLA	1	0
19	B	848	LMG	8	0
14	T	103	CLA	1	0
14	S	1103	CLA	2	0
17	Y	844	BCR	10	0
14	G	836	CLA	3	0
14	G	832	CLA	5	0
14	Z	830	CLA	1	0
14	B	804	CLA	8	0
14	Y	814	CLA	7	0
14	B	807	CLA	7	0
14	A	820	CLA	10	0
14	G	814	CLA	3	0
14	Z	815	CLA	4	0
14	A	814	CLA	9	0
17	G	845	BCR	6	0
14	A	803	CLA	11	0
14	B	802	CLA	19	0
14	G	806	CLA	10	0
14	Z	831	CLA	4	0
14	A	831	CLA	8	0
14	Z	804	CLA	25	0
14	Y	808	CLA	11	0
17	Q	201	BCR	16	0
17	S	1105	BCR	11	0
14	Y	834	CLA	3	0
14	A	806	CLA	5	0
14	Z	841	CLA	7	0
14	Y	820	CLA	2	0
17	Z	848	BCR	9	0
14	S	1101	CLA	3	0
14	g	102	CLA	2	0
14	G	803	CLA	15	0
14	A	839	CLA	5	0
14	Q	202	CLA	4	0
14	Y	838	CLA	9	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	d	202	CLA	5	0
18	G	850	LHG	5	0
17	B	847	BCR	7	0
17	Z	845	BCR	6	0
14	G	831	CLA	4	0
14	G	804	CLA	7	0
17	U	1008	BCR	11	0
14	Z	840	CLA	8	0
14	B	803	CLA	7	0
14	Z	833	CLA	8	0
14	L	202	CLA	8	0
17	G	848	BCR	11	0
14	A	813	CLA	4	0
14	L	204	CLA	6	0
14	A	832	CLA	3	0
14	W	1701	CLA	2	0
14	Z	811	CLA	12	0
14	B	806	CLA	5	0
17	d	203	BCR	9	0
14	A	827	CLA	10	0
14	B	808	CLA	13	0
17	B	846	BCR	9	0
14	A	836	CLA	2	0
14	Y	827	CLA	7	0
14	H	801	CLA	7	0
14	Z	835	CLA	4	0
14	G	840	CLA	10	0
17	Z	843	BCR	2	0
14	H	832	CLA	9	0
14	L	206	CLA	4	0
14	h	205	CLA	4	0
14	B	831	CLA	10	0
18	Y	851	LHG	5	0
14	B	823	CLA	5	0
14	A	830	CLA	10	0
14	G	813	CLA	6	0
14	H	839	CLA	6	0
14	f	101	CLA	2	0
14	G	811	CLA	7	0
16	a	102	SF4	1	0
17	A	847	BCR	3	0
14	B	835	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A	854	CLA	10	0
14	A	810	CLA	2	0
14	A	819	CLA	9	0
14	h	206	CLA	7	0
14	H	802	CLA	15	0
17	I	102	BCR	7	0
14	A	811	CLA	3	0
14	H	837	CLA	14	0
14	A	822	CLA	10	0
14	H	815	CLA	5	0
14	G	826	CLA	12	0
14	Y	805	CLA	6	0
14	A	834	CLA	5	0
14	A	816	CLA	1	0
14	Y	813	CLA	6	0
14	Y	836	CLA	8	0
17	h	202	BCR	11	0
14	U	1004	CLA	8	0
14	Z	812	CLA	2	0
14	d	201	CLA	6	0
14	A	805	CLA	4	0
14	B	830	CLA	3	0
14	H	813	CLA	9	0
14	B	817	CLA	6	0
14	G	818	CLA	8	0
14	H	817	CLA	9	0
14	A	818	CLA	3	0
14	G	841	CLA	9	0
14	B	811	CLA	2	0
14	H	805	CLA	2	0
17	f	103	BCR	8	0
14	Y	816	CLA	5	0
17	H	847	BCR	11	0
14	Z	809	CLA	10	0
14	Y	825	CLA	7	0
14	L	201	CLA	2	0
14	Z	829	CLA	7	0
17	A	848	BCR	8	0
14	Y	802	CLA	9	0
14	Z	817	CLA	2	0
14	H	829	CLA	11	0
14	B	834	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	H	819	CLA	6	0
14	Y	832	CLA	5	0
16	N	102	SF4	2	0
16	G	844	SF4	1	0
14	A	828	CLA	2	0
17	F	201	BCR	7	0
17	Z	844	BCR	8	0
14	H	838	CLA	7	0
14	H	831	CLA	6	0
17	Z	850	BCR	5	0
14	Y	839	CLA	4	0
14	Y	809	CLA	2	0
17	Y	852	BCR	11	0
14	K	101	CLA	1	0
14	Y	821	CLA	10	0
14	H	807	CLA	7	0
14	B	818	CLA	3	0
16	A	845	SF4	4	0
14	H	818	CLA	7	0
13	Y	801	CL0	8	0
14	Y	835	CLA	2	0
14	B	821	CLA	7	0
14	G	829	CLA	7	0
18	G	851	LHG	3	0
14	Y	833	CLA	5	0
14	A	823	CLA	6	0
14	Z	826	CLA	10	0
14	B	820	CLA	1	0
14	B	840	CLA	2	0
14	G	817	CLA	5	0
14	H	822	CLA	10	0
14	G	815	CLA	7	0
14	B	833	CLA	6	0
14	Z	808	CLA	10	0
14	Z	818	CLA	4	0
17	F	203	BCR	2	0
17	G	847	BCR	5	0
14	G	809	CLA	8	0
14	Y	806	CLA	5	0
14	Y	823	CLA	2	0
14	A	804	CLA	5	0
14	B	827	CLA	11	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	842	CLA	1	0
14	G	822	CLA	2	0
17	J	103	BCR	8	0
17	B	843	BCR	2	0
17	H	845	BCR	5	0
17	L	208	BCR	5	0
14	Z	814	CLA	15	0
14	Z	834	CLA	9	0
14	Y	819	CLA	7	0
14	G	852	CLA	17	0
14	A	835	CLA	3	0
14	Z	820	CLA	4	0
16	N	101	SF4	2	0
18	Y	850	LHG	3	0
17	R	101	BCR	6	0
18	j	101	LHG	4	0
14	Y	831	CLA	4	0
14	Y	804	CLA	6	0
17	H	844	BCR	7	0
14	H	824	CLA	9	0
14	A	840	CLA	8	0
14	A	838	CLA	2	0
14	Y	829	CLA	7	0
14	Z	838	CLA	5	0
14	X	1701	CLA	4	0
14	A	833	CLA	6	0
14	Y	807	CLA	1	0
14	G	837	CLA	5	0
14	Z	821	CLA	6	0
14	B	809	CLA	7	0
14	Y	828	CLA	13	0
14	Y	812	CLA	1	0
18	A	852	LHG	5	0
14	A	815	CLA	2	0
14	H	809	CLA	16	0
14	h	204	CLA	10	0
14	B	828	CLA	10	0
14	H	827	CLA	7	0
14	Y	837	CLA	1	0
14	Z	839	CLA	3	0
17	Z	846	BCR	4	0
14	H	816	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	S	1104	BCR	13	0
14	H	835	CLA	2	0
14	G	808	CLA	5	0
14	B	816	CLA	7	0
14	A	826	CLA	7	0
14	G	833	CLA	7	0
14	A	837	CLA	4	0
14	Y	815	CLA	2	0
14	U	1003	CLA	10	0
17	A	850	BCR	9	0
17	Y	848	BCR	7	0
17	T	102	BCR	6	0
14	K	102	CLA	1	0
14	A	808	CLA	3	0
14	Z	805	CLA	3	0
15	B	841	PQN	4	0
17	Y	849	BCR	12	0
14	Z	801	CLA	11	0
14	G	830	CLA	7	0
14	Y	811	CLA	5	0
14	B	812	CLA	13	0
14	H	821	CLA	1	0
14	G	839	CLA	3	0
14	H	806	CLA	10	0
17	B	850	BCR	7	0
14	B	810	CLA	5	0
14	Z	827	CLA	8	0
17	Y	853	BCR	19	0
14	G	821	CLA	13	0
14	Y	824	CLA	3	0
14	H	830	CLA	4	0
14	H	803	CLA	14	0
13	G	801	CL0	8	0
14	B	824	CLA	5	0
14	Z	823	CLA	3	0
17	V	101	BCR	6	0
14	U	1006	CLA	4	0
14	Z	816	CLA	5	0
14	B	826	CLA	13	0
17	U	1005	BCR	12	0
19	H	848	LMG	4	0
17	L	207	BCR	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	Z	828	CLA	14	0
14	Z	819	CLA	11	0
14	A	843	CLA	2	0
17	i	101	BCR	3	0
14	H	808	CLA	10	0
17	B	844	BCR	6	0
15	Z	842	PQN	4	0
14	Y	841	CLA	9	0
15	A	844	PQN	9	0
14	B	836	CLA	7	0
14	H	804	CLA	7	0
14	Y	826	CLA	6	0
14	G	827	CLA	5	0
14	A	841	CLA	10	0
14	G	834	CLA	2	0
14	H	851	CLA	5	0
14	G	853	CLA	3	0
14	Z	807	CLA	7	0
14	Y	818	CLA	8	0
14	G	820	CLA	6	0
17	A	851	BCR	10	0
14	B	813	CLA	3	0
15	Y	842	PQN	10	0
14	S	1102	CLA	1	0
17	A	846	BCR	8	0
17	Y	845	BCR	7	0
18	B	849	LHG	1	0
14	Z	802	CLA	12	0
14	B	814	CLA	7	0
19	Z	849	LMG	4	0
14	Z	836	CLA	1	0
14	G	819	CLA	10	0
14	g	101	CLA	1	0
17	B	845	BCR	7	0
14	U	1007	CLA	11	0
13	A	801	CL0	9	0
14	H	820	CLA	2	0
14	A	821	CLA	7	0
14	F	202	CLA	2	0
14	H	810	CLA	9	0
14	B	838	CLA	7	0
14	G	807	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	825	CLA	6	0
14	Y	830	CLA	8	0
16	C	102	SF4	1	0
14	A	807	CLA	19	0
14	Z	824	CLA	3	0
14	Y	803	CLA	5	0
15	H	841	PQN	5	0
17	U	1009	BCR	10	0
14	H	811	CLA	2	0
17	I	101	BCR	5	0
14	G	828	CLA	11	0
14	H	840	CLA	2	0
14	A	812	CLA	8	0
17	G	846	BCR	5	0
18	A	853	LHG	1	0
17	Z	847	BCR	12	0
14	Y	822	CLA	4	0
14	Z	810	CLA	15	0
14	H	833	CLA	7	0
16	Y	843	SF4	2	0
17	H	842	BCR	4	0
14	B	839	CLA	8	0
14	G	805	CLA	9	0
14	H	826	CLA	5	0
14	Z	803	CLA	13	0
14	B	822	CLA	3	0
14	H	828	CLA	11	0
17	H	846	BCR	9	0
14	G	825	CLA	15	0
14	Y	817	CLA	7	0
14	A	825	CLA	3	0
14	H	814	CLA	5	0
14	Z	806	CLA	11	0
14	Z	813	CLA	3	0
17	J	104	BCR	12	0
17	Y	846	BCR	6	0
14	B	837	CLA	7	0
17	Q	203	BCR	4	0
14	B	805	CLA	12	0
17	G	849	BCR	15	0
17	A	849	BCR	6	0
14	G	812	CLA	1	0

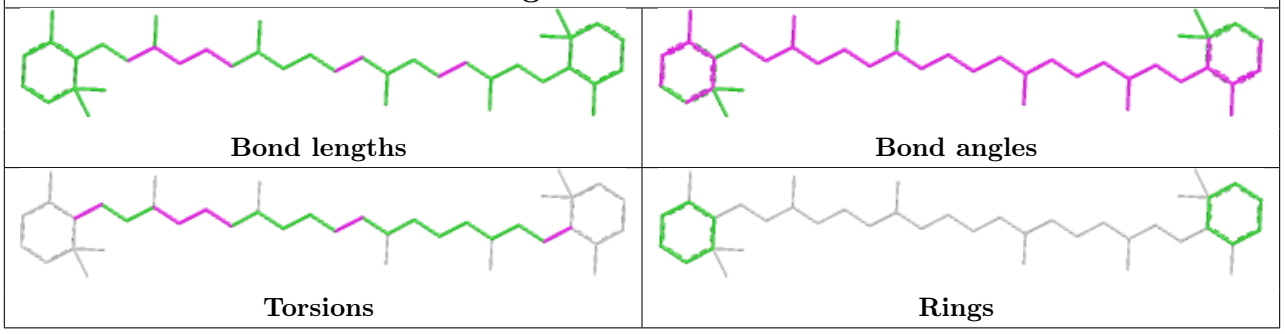
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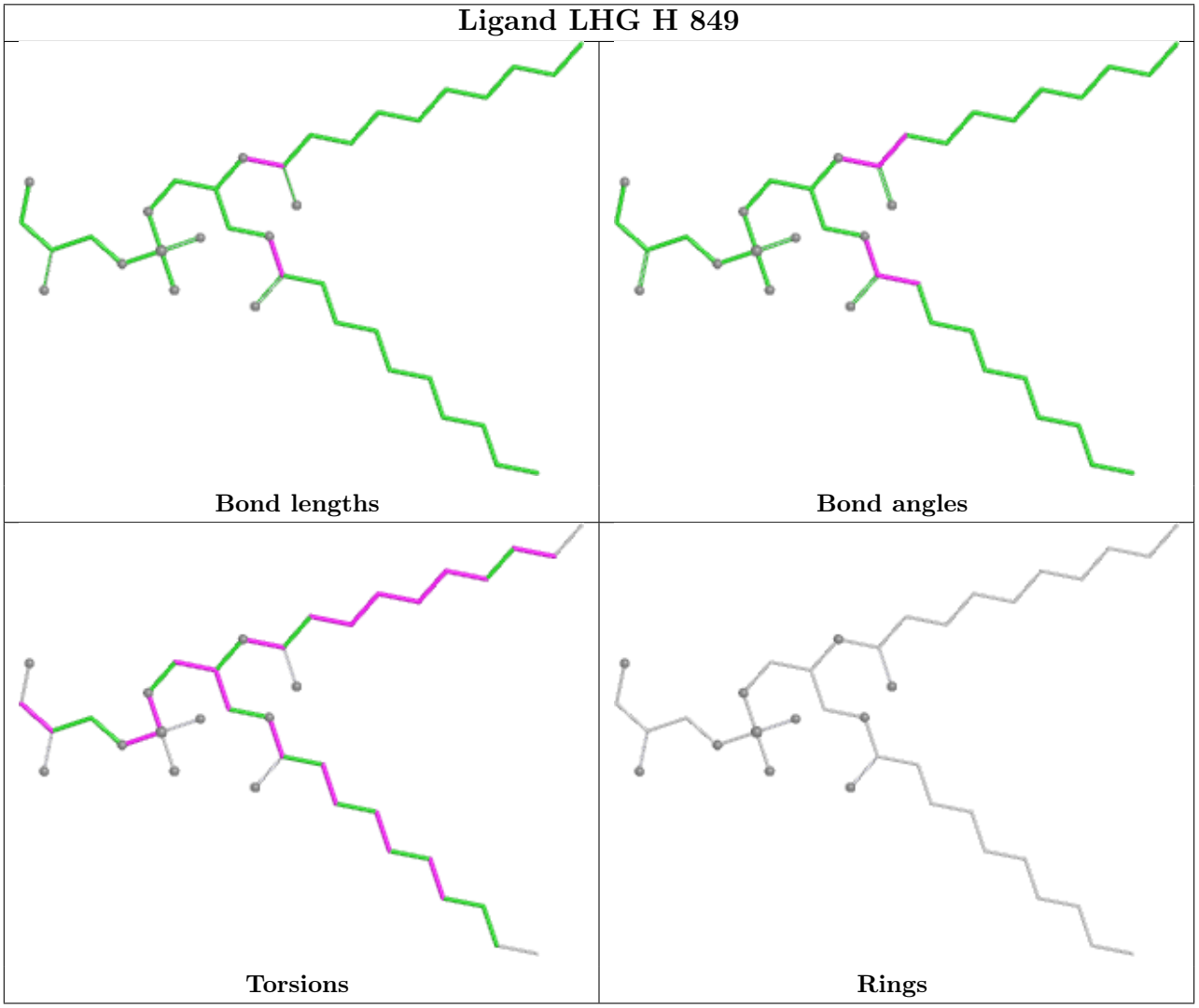
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	801	CLA	21	0
17	B	842	BCR	4	0
15	G	843	PQN	4	0
14	A	842	CLA	8	0
14	B	832	CLA	9	0
14	H	823	CLA	4	0
14	G	838	CLA	2	0
14	U	1002	CLA	11	0
17	H	850	BCR	8	0
14	f	102	CLA	1	0
14	H	834	CLA	2	0
14	Y	840	CLA	8	0
14	Z	837	CLA	7	0
16	a	101	SF4	1	0
14	A	809	CLA	13	0
14	G	802	CLA	19	0
17	h	207	BCR	8	0
14	h	201	CLA	6	0
14	A	829	CLA	21	0
14	G	824	CLA	6	0
17	e	101	BCR	7	0
14	Z	825	CLA	6	0
14	Z	832	CLA	4	0
14	G	816	CLA	1	0
17	M	101	BCR	6	0
17	Y	847	BCR	3	0
14	A	802	CLA	12	0
14	H	825	CLA	7	0
14	B	829	CLA	4	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.

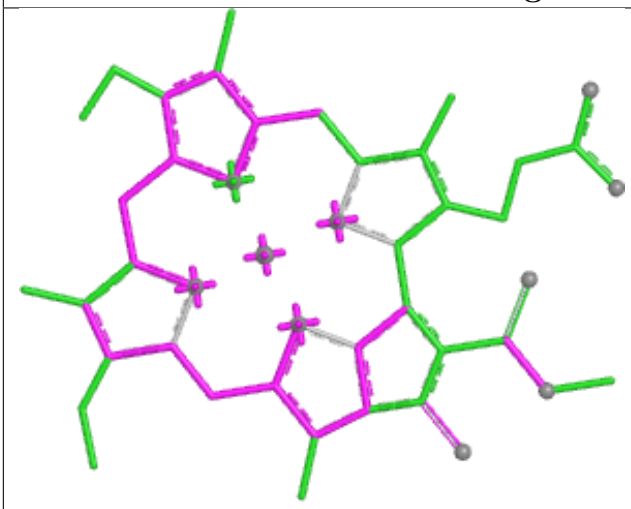
Ligand BCR H 843



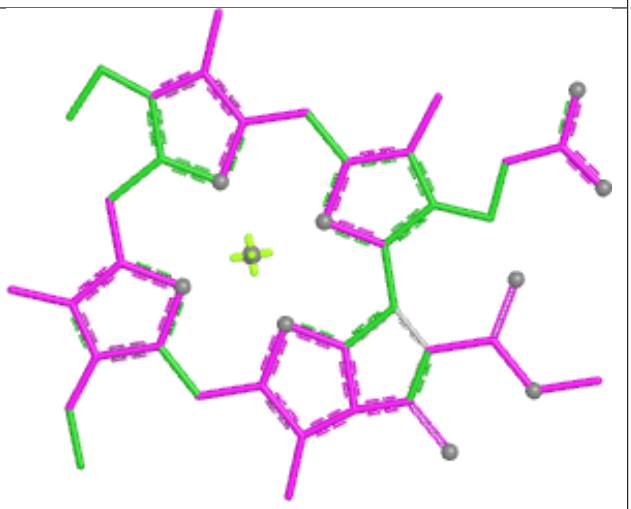
Ligand LHG H 849



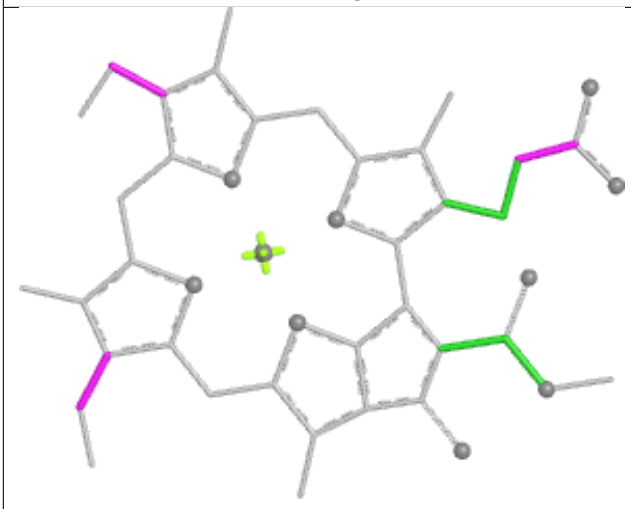
Ligand CLA B 819



Bond lengths



Bond angles

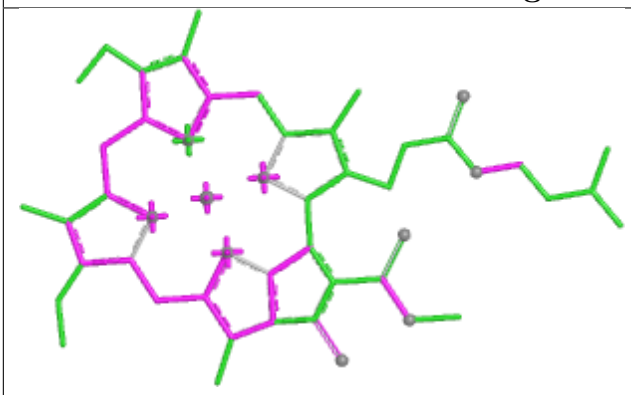


Torsions

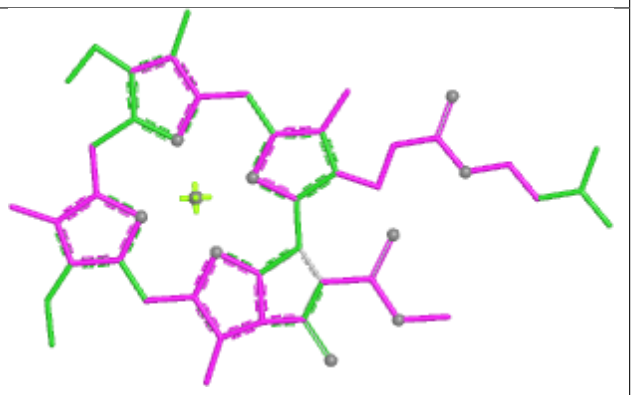


Rings

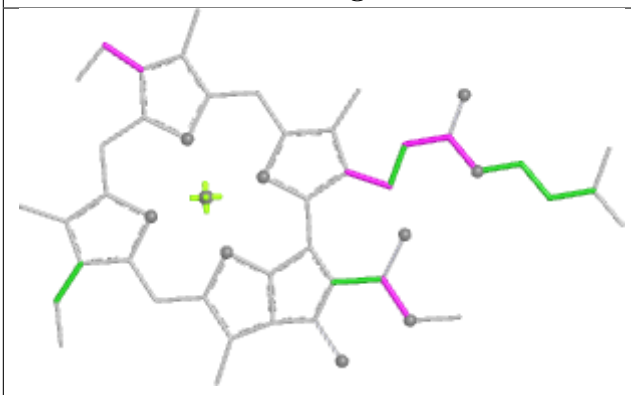
Ligand CLA A 824



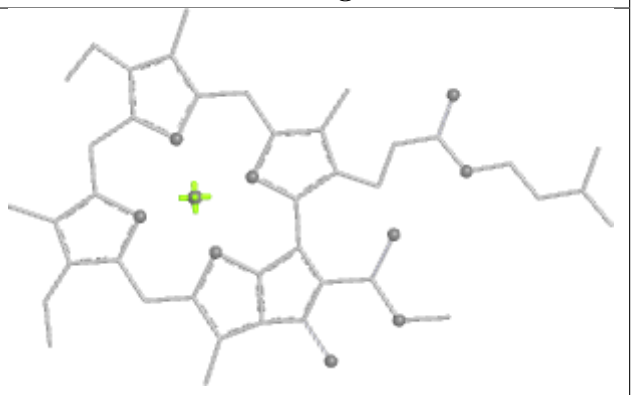
Bond lengths



Bond angles

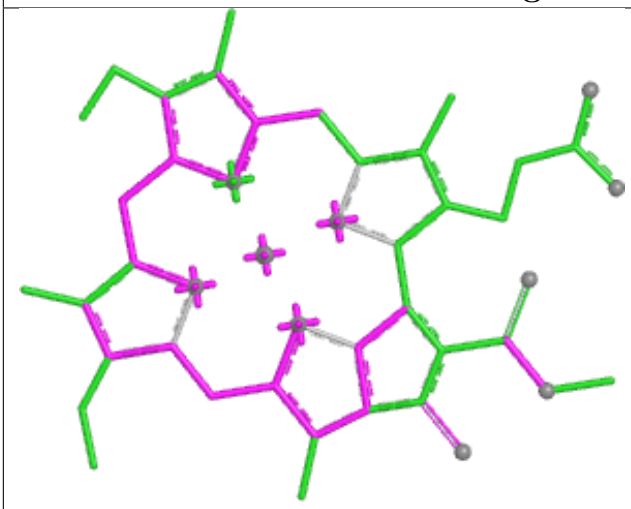


Torsions

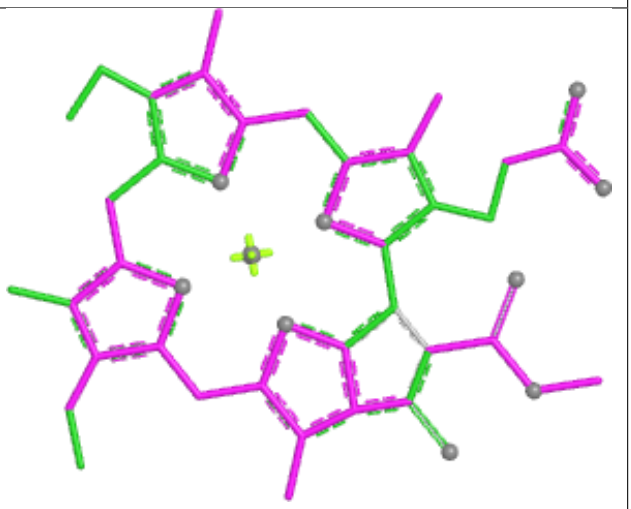


Rings

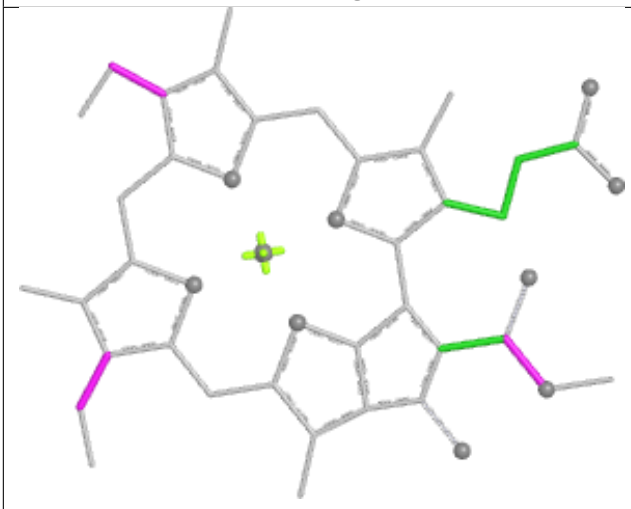
Ligand CLA H 812



Bond lengths



Bond angles

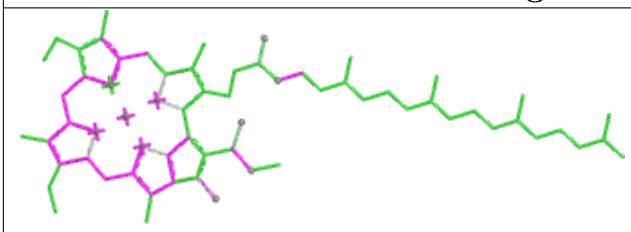


Torsions

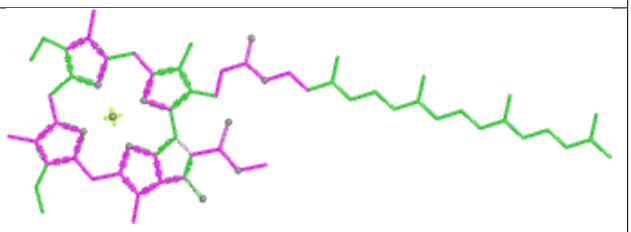


Rings

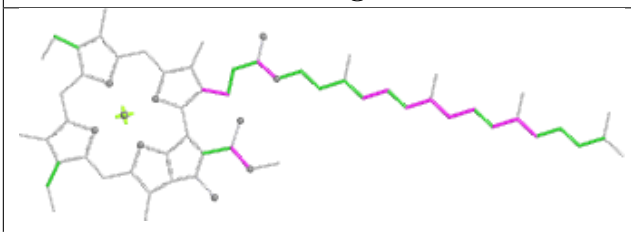
Ligand CLA L 205



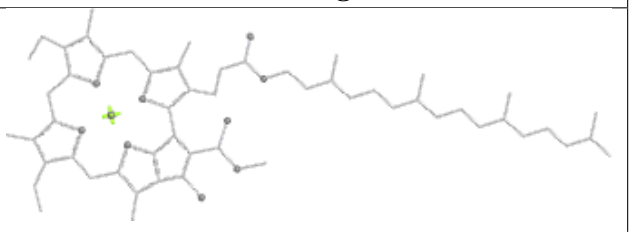
Bond lengths



Bond angles

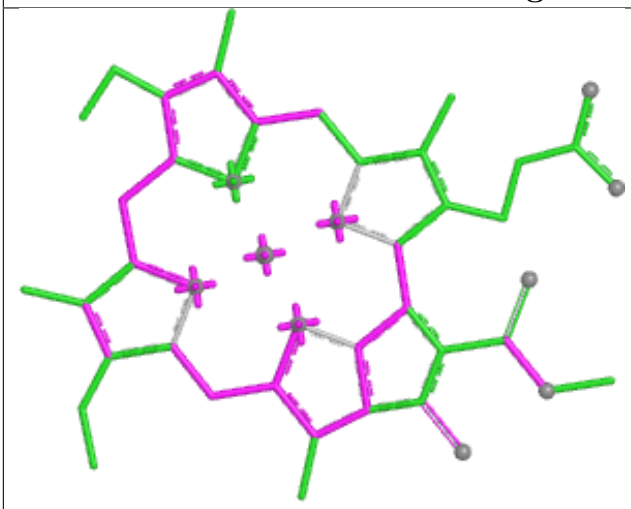


Torsions

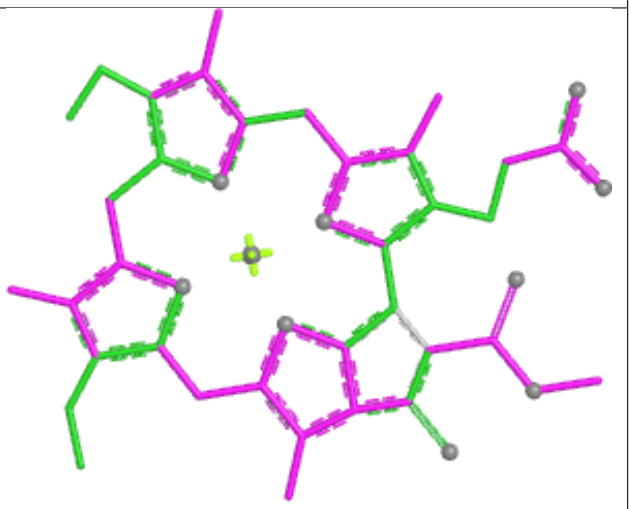


Rings

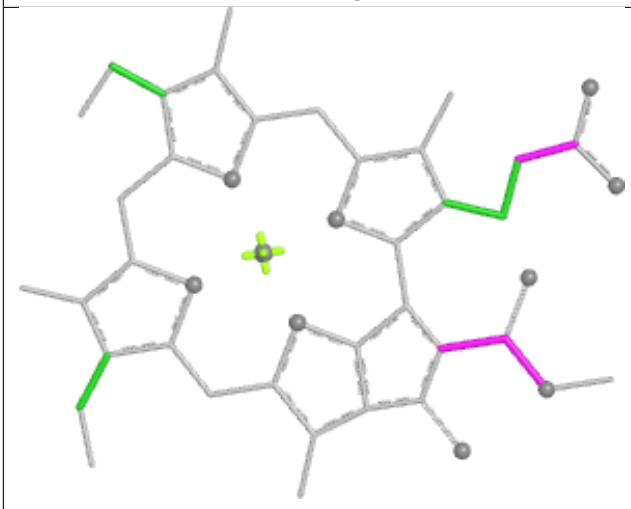
Ligand CLA Z 822



Bond lengths



Bond angles

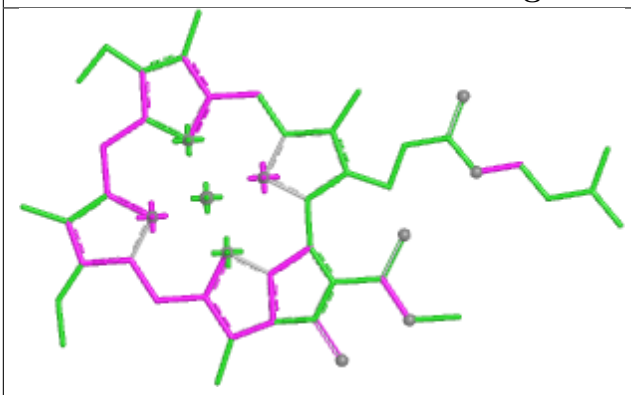


Torsions

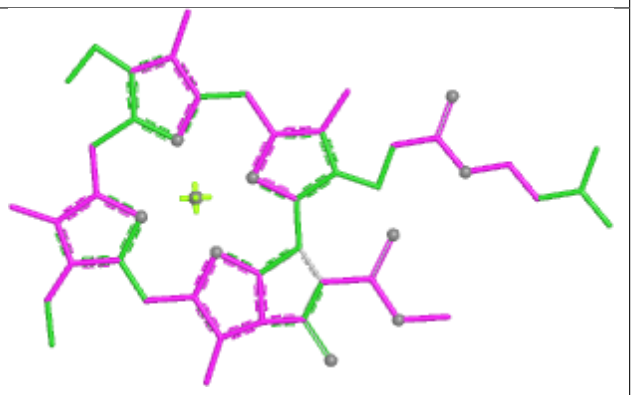


Rings

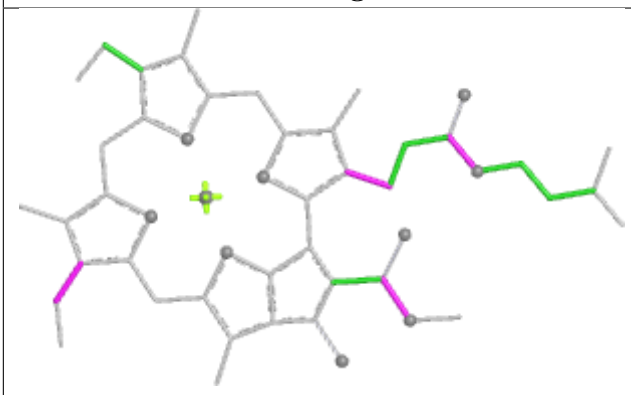
Ligand CLA A 817



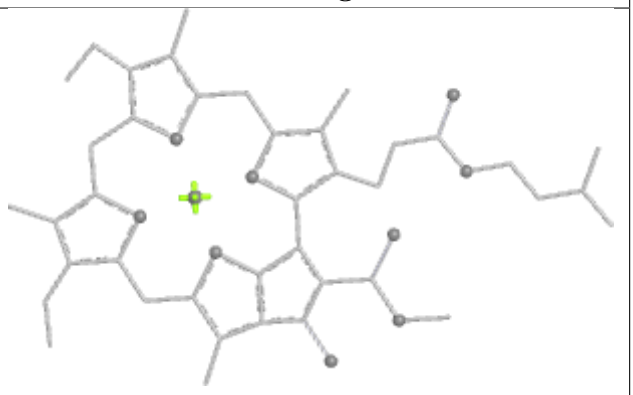
Bond lengths



Bond angles

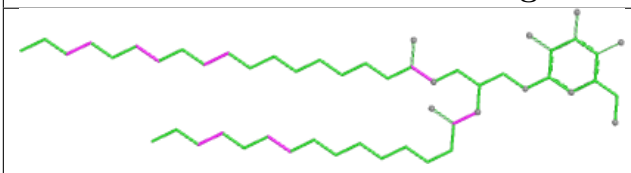


Torsions

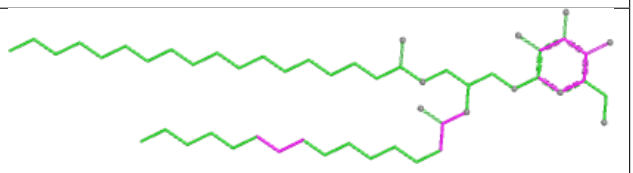


Rings

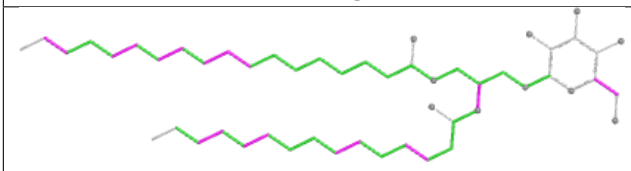
Ligand LMG B 848



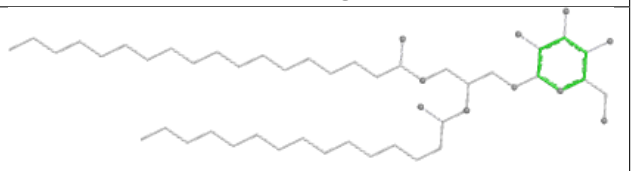
Bond lengths



Bond angles

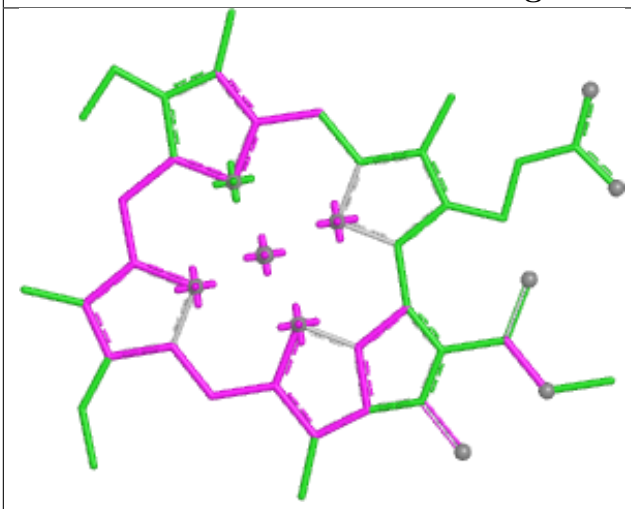


Torsions

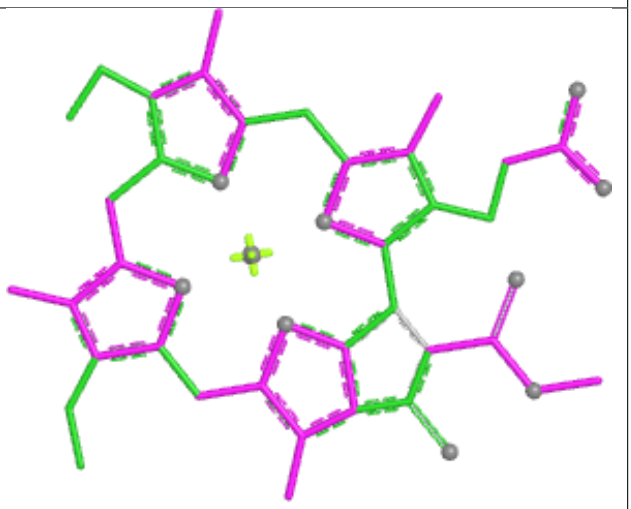


Rings

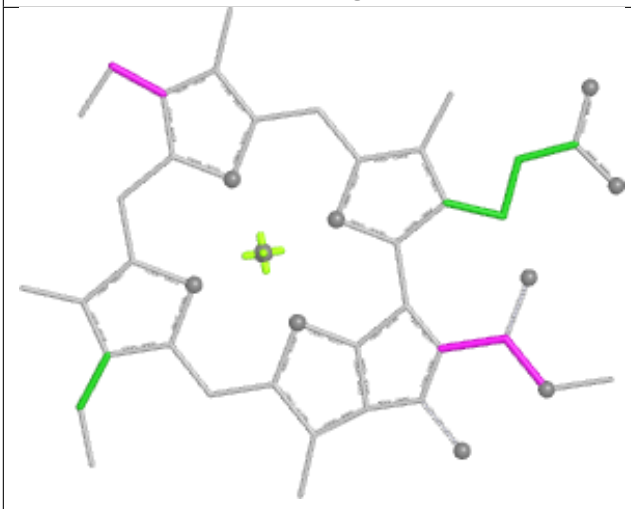
Ligand CLA T 103



Bond lengths



Bond angles

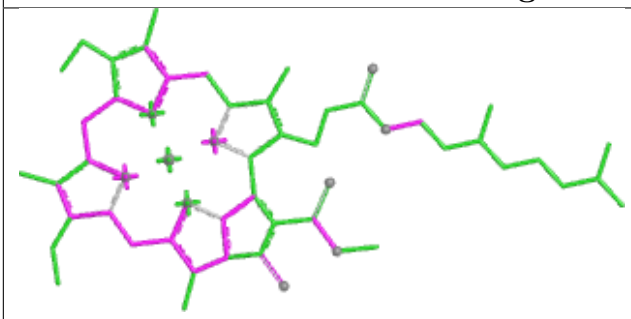


Torsions

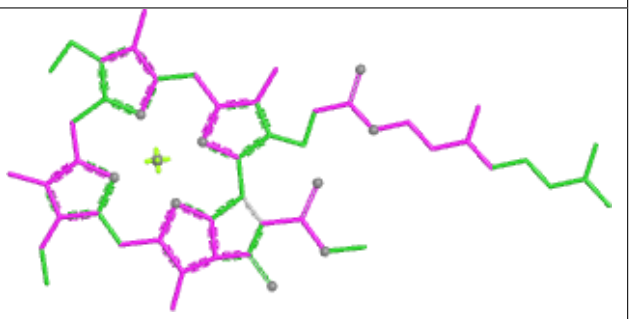


Rings

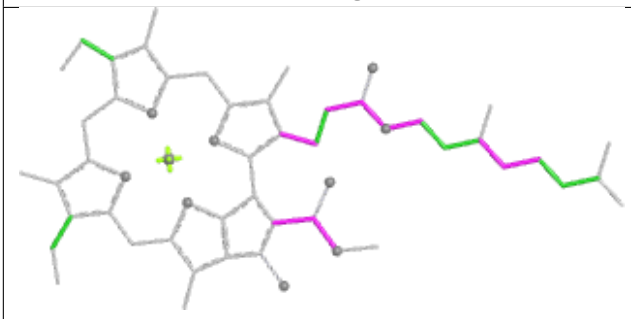
Ligand CLA S 1103



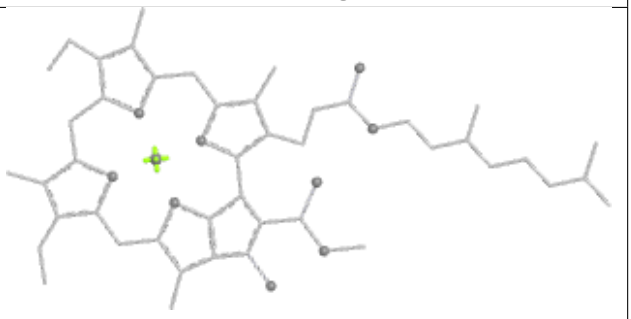
Bond lengths



Bond angles

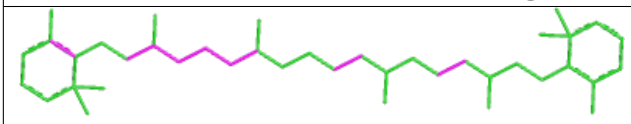


Torsions

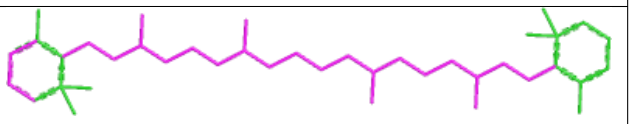


Rings

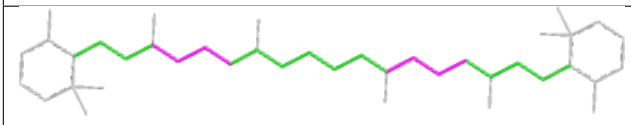
Ligand BCR Y 844



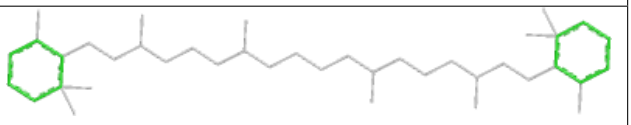
Bond lengths



Bond angles

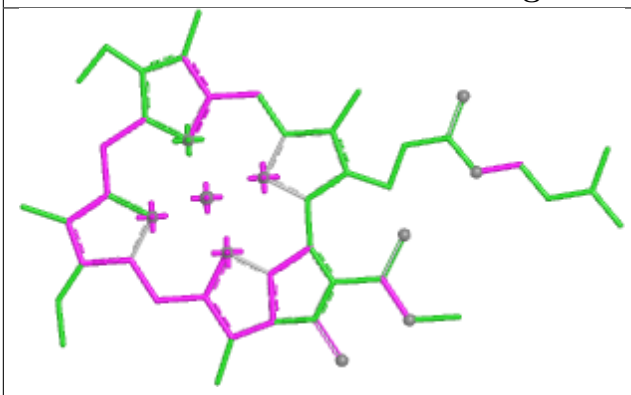


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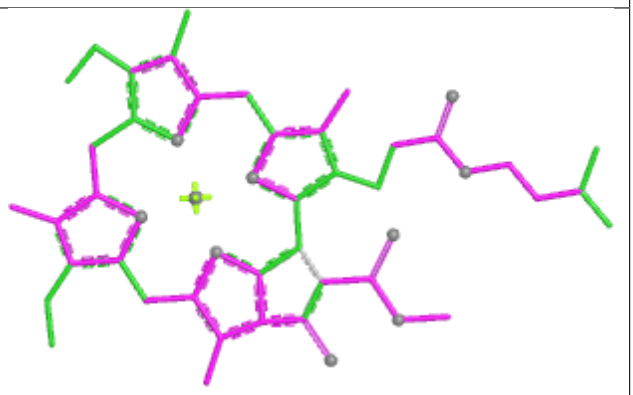


Rings

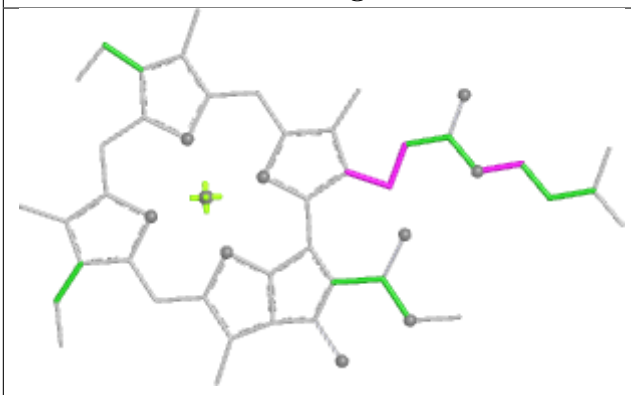
Ligand CLA G 836



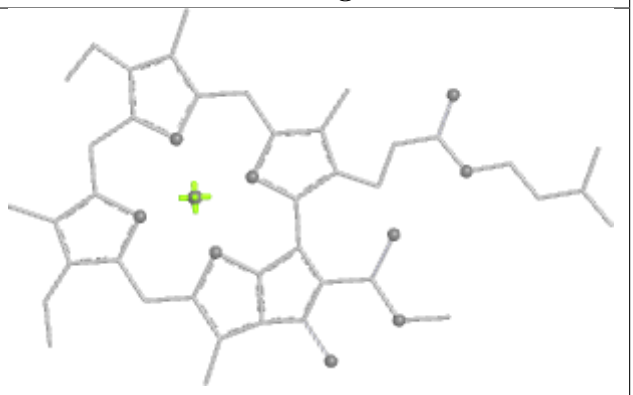
Bond lengths



Bond angles

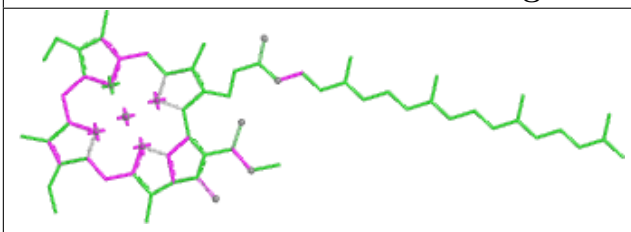


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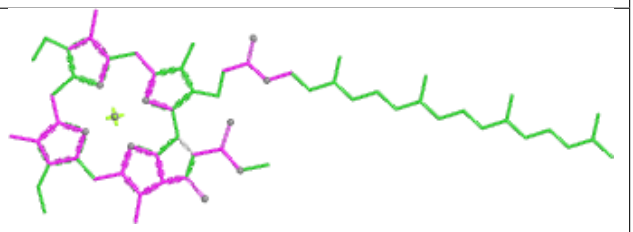


Rings

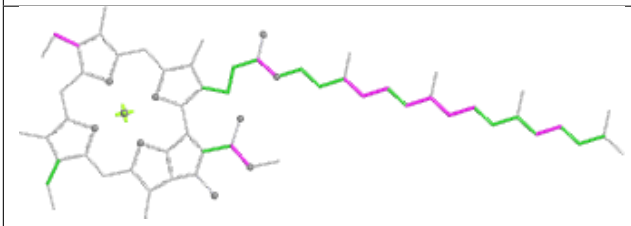
Ligand CLA G 832



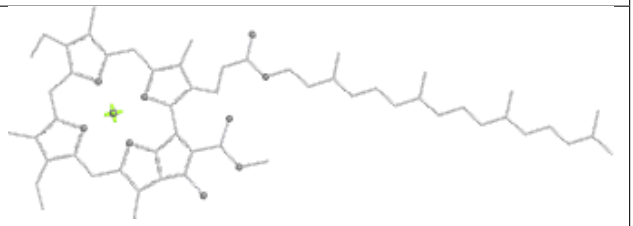
Bond lengths



Bond angles

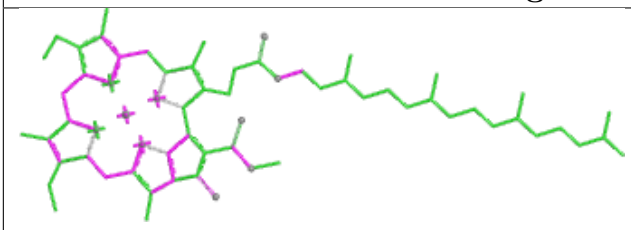


Torsions

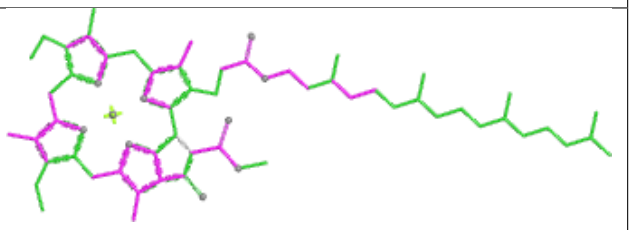


Rings

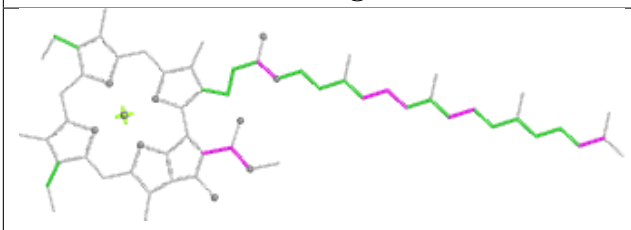
Ligand CLA Z 830



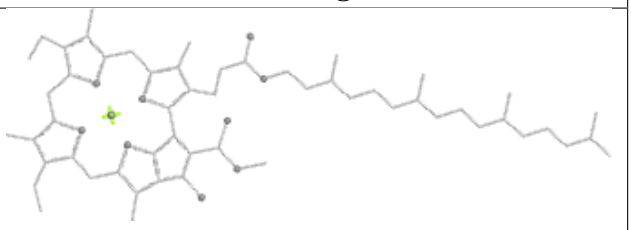
Bond lengths



Bond angles

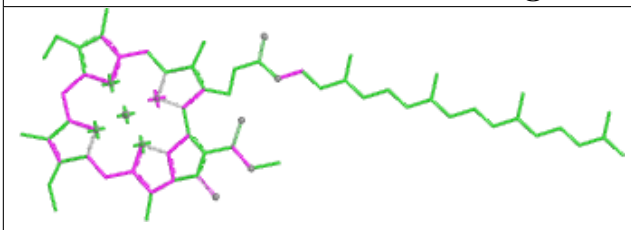


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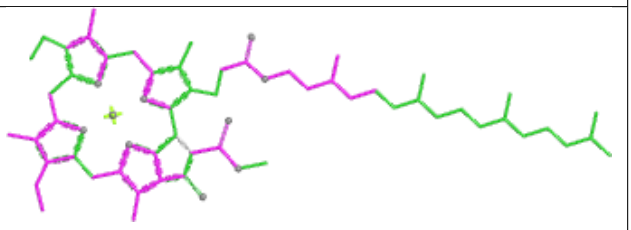


Rings

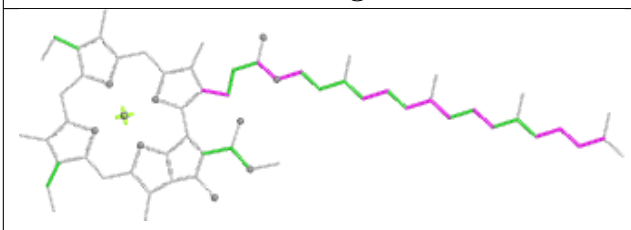
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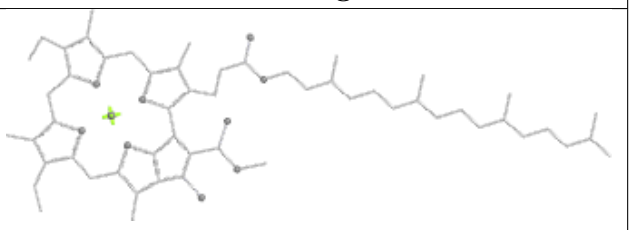
Bond lengths



Bond angles

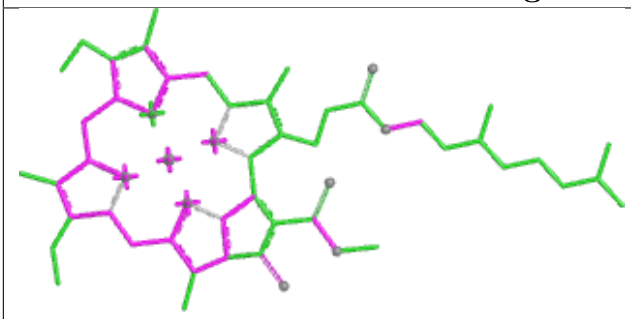


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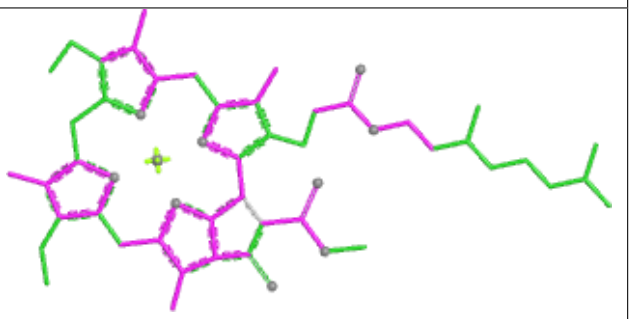


Rings

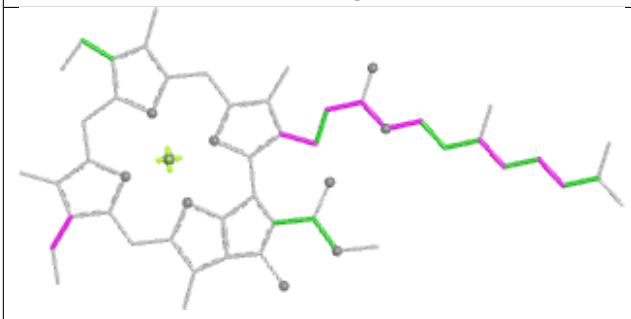
Ligand CLA Y 814



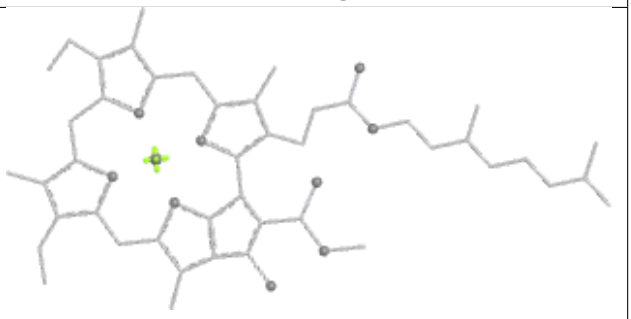
Bond lengths



Bond angles

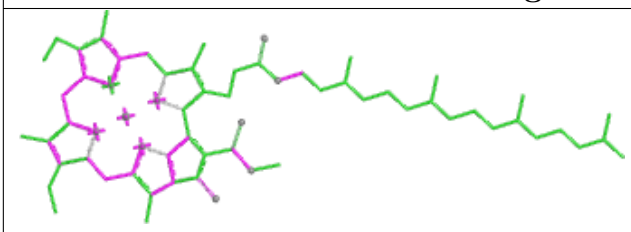


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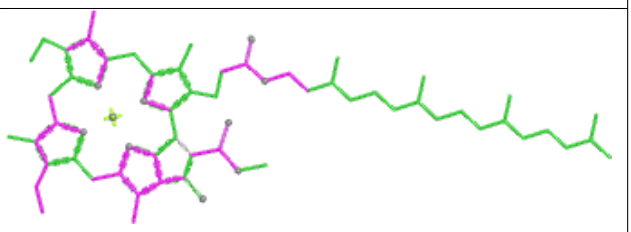


Rings

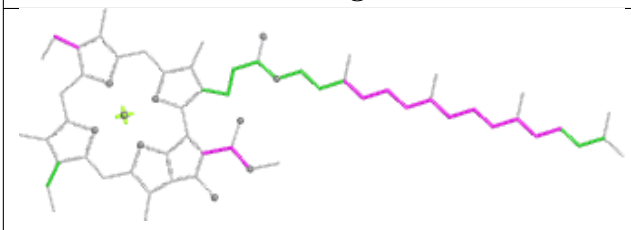
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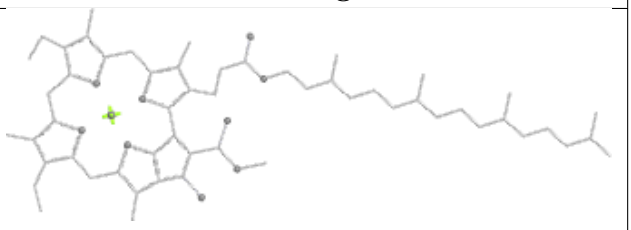
Bond lengths



Bond angles

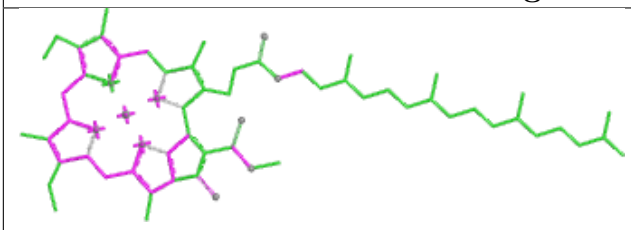


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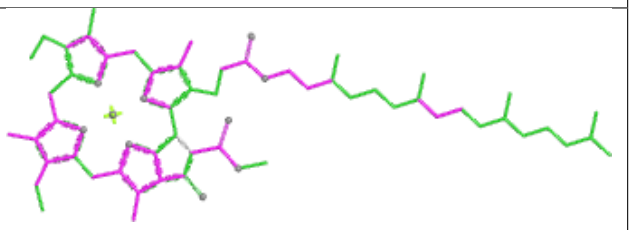


Rings

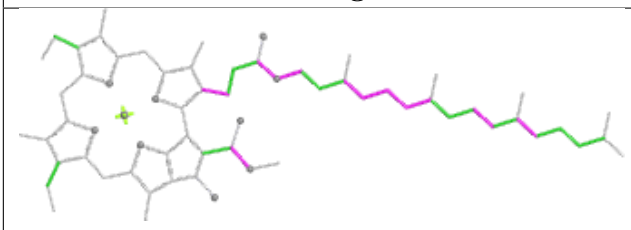
Ligand CLA A 820



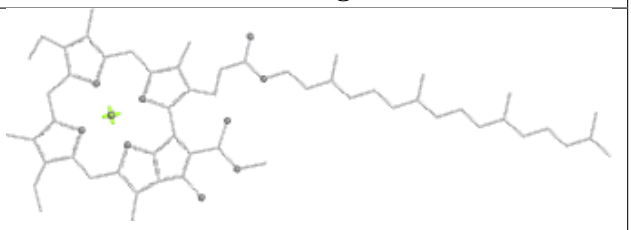
Bond lengths



Bond angles

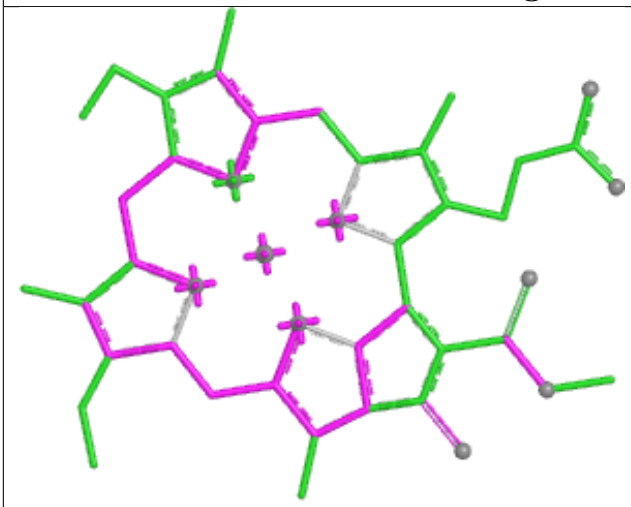


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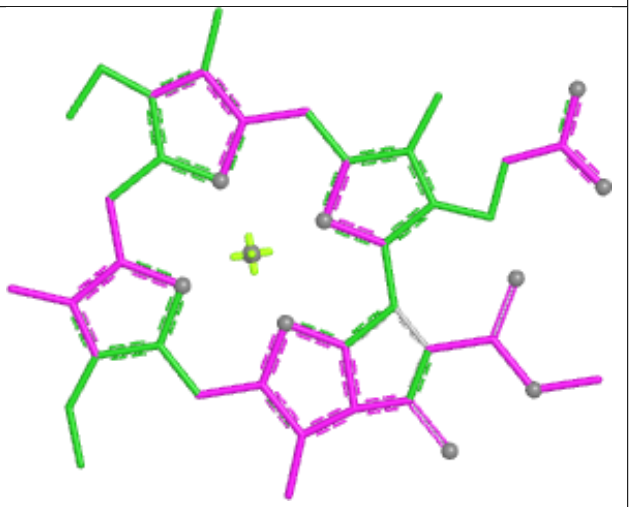


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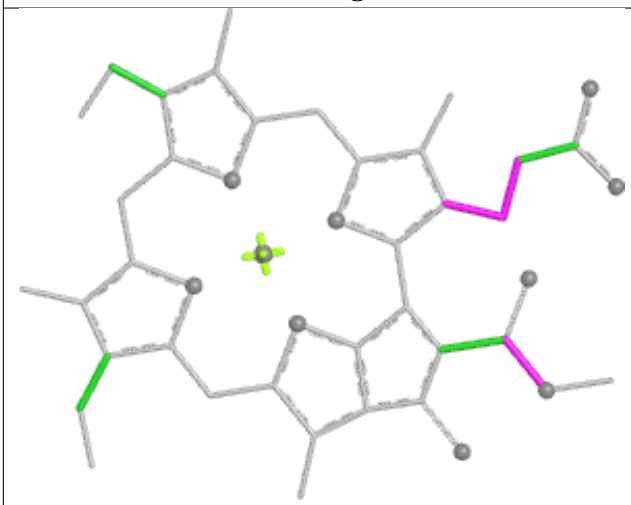
Ligand CLA G 835



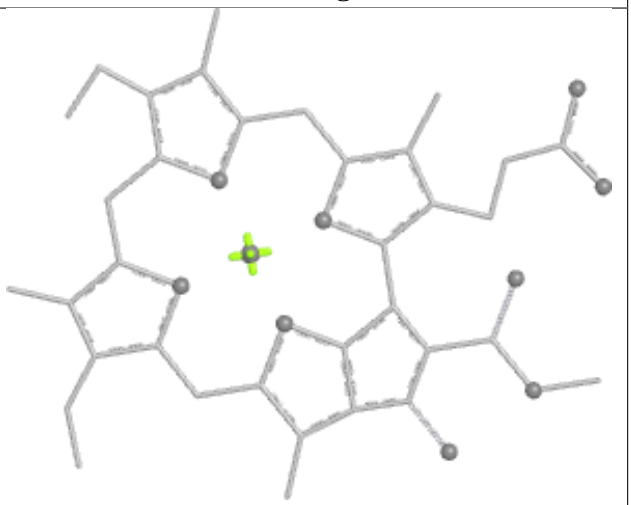
Bond lengths



Bond angles

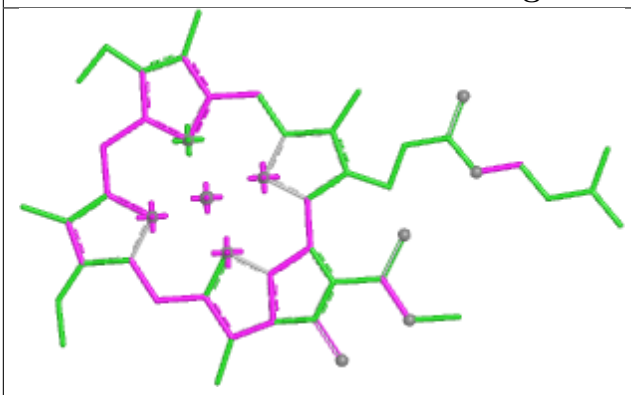


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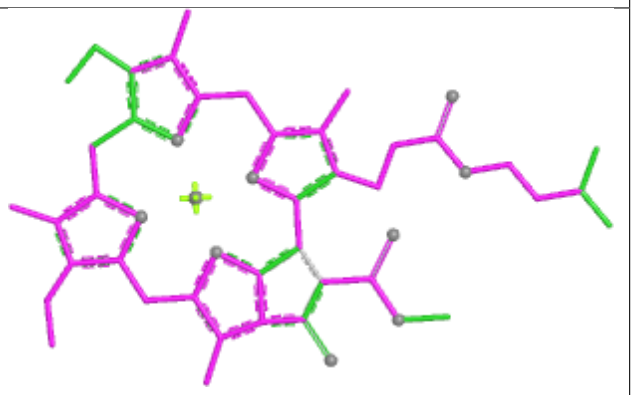


Rings

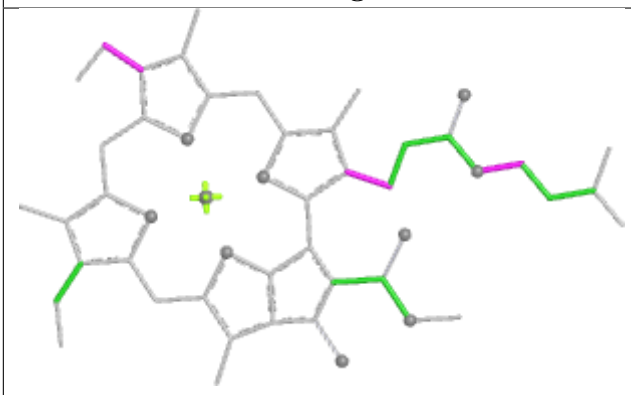
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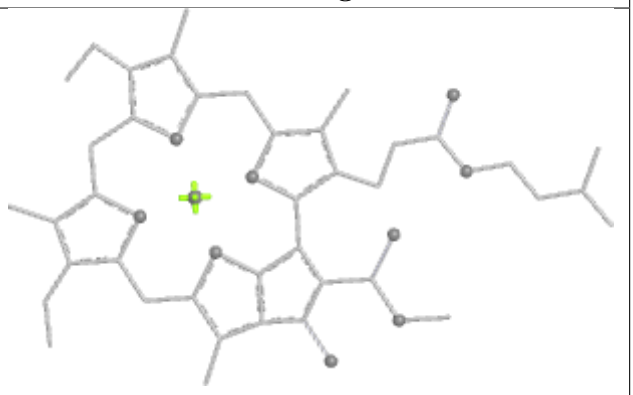
Bond lengths



Bond angles

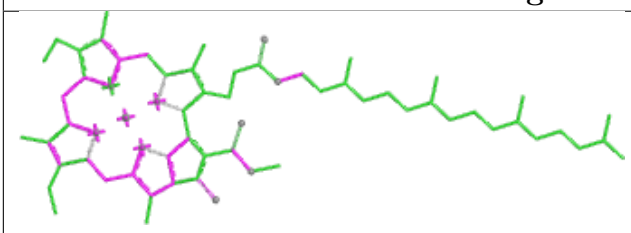


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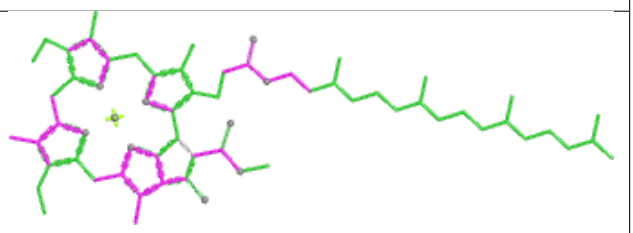


Rings

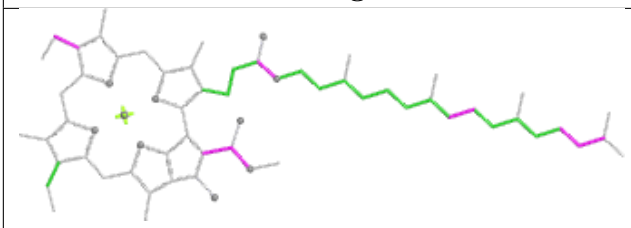
Ligand CLA Z 815



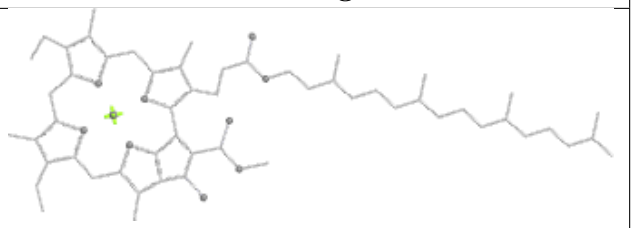
Bond lengths



Bond angles

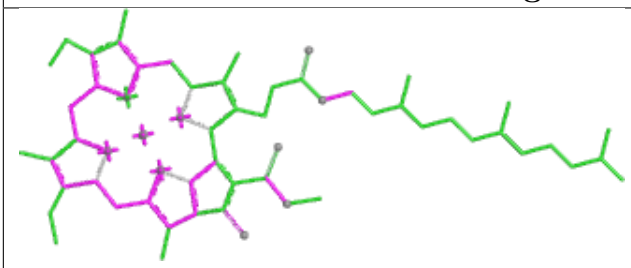


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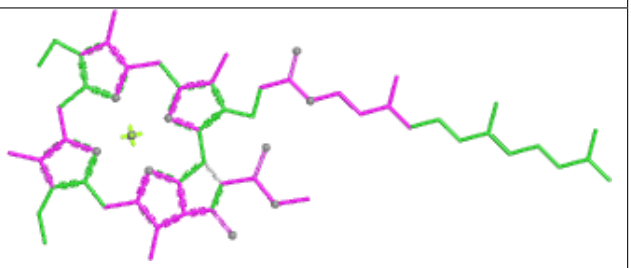


Rings

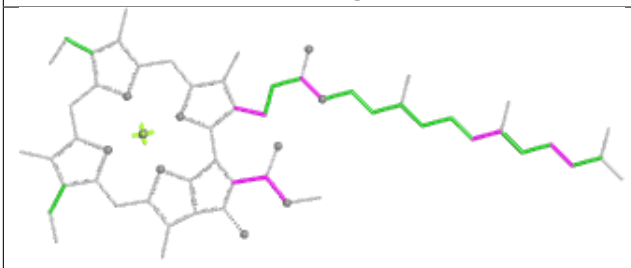
Ligand CLA A 814



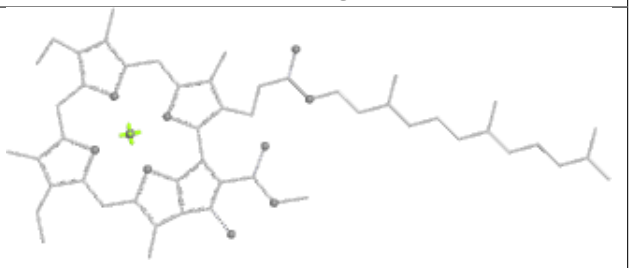
Bond lengths



Bond angles

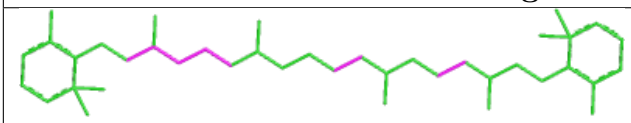


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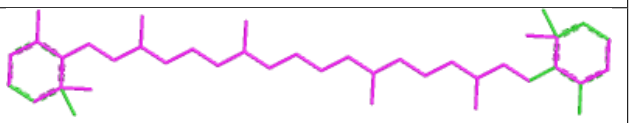


Rings

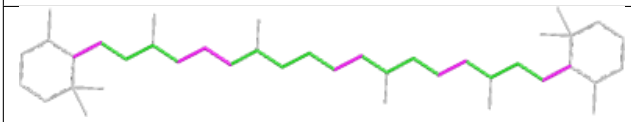
Ligand BCR G 845



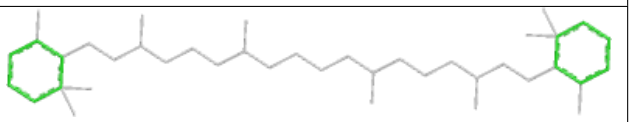
Bond lengths



Bond angles

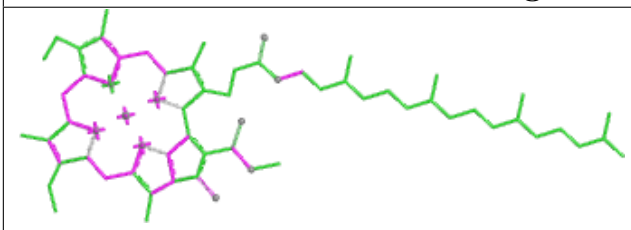


Torsions

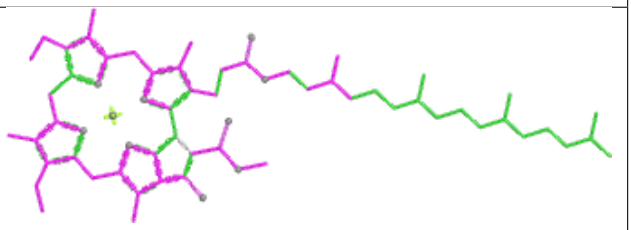


Rings

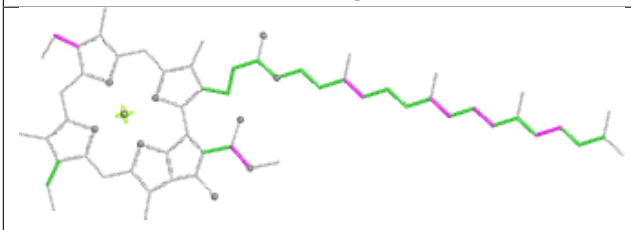
Ligand CLA A 803



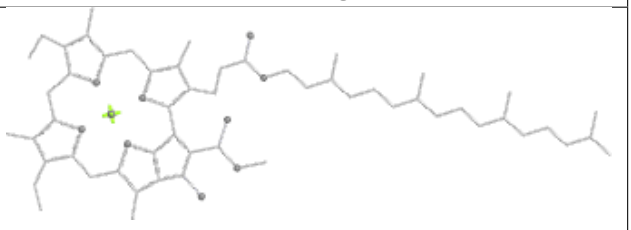
Bond lengths



Bond angles

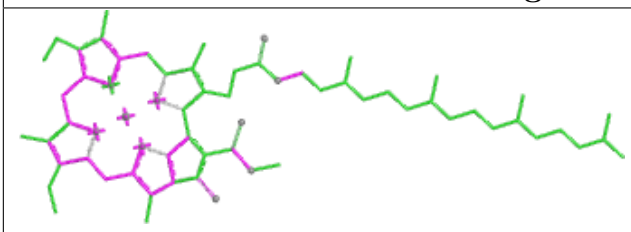


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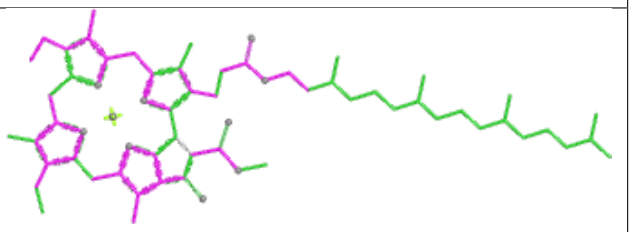


Rings

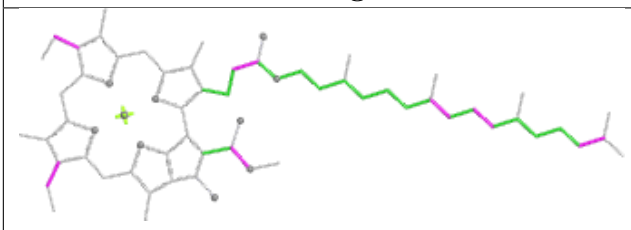
Ligand CLA B 802



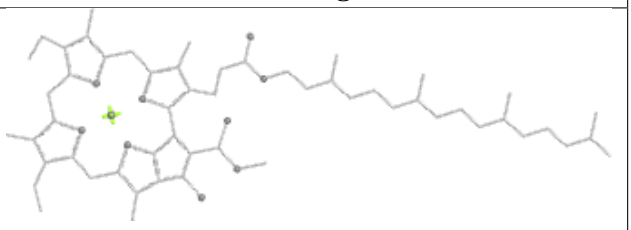
Bond lengths



Bond angles

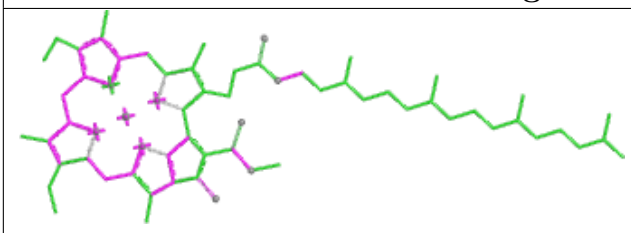


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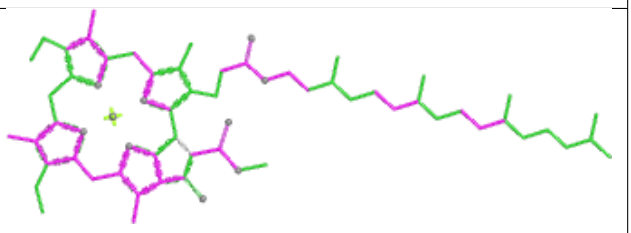


Rings

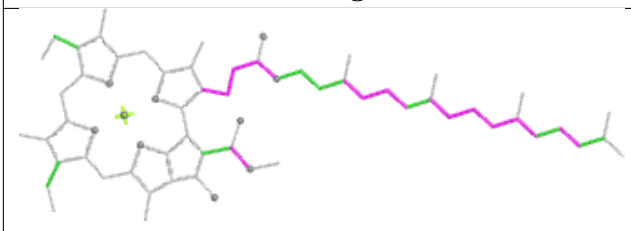
Ligand CLA G 806



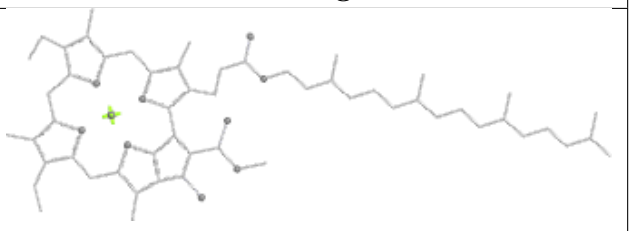
Bond lengths



Bond angles

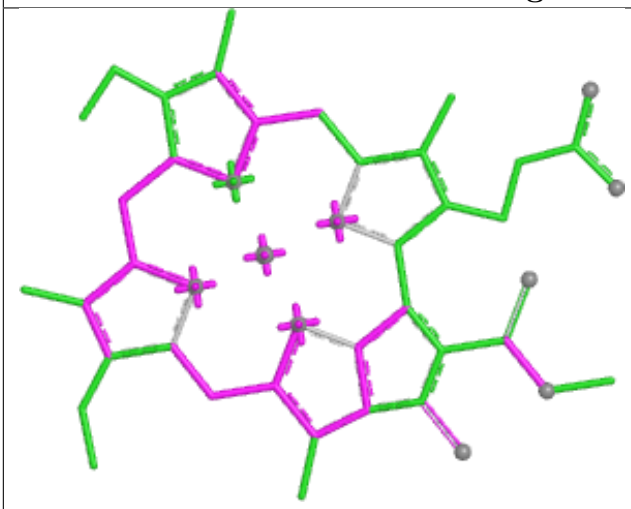


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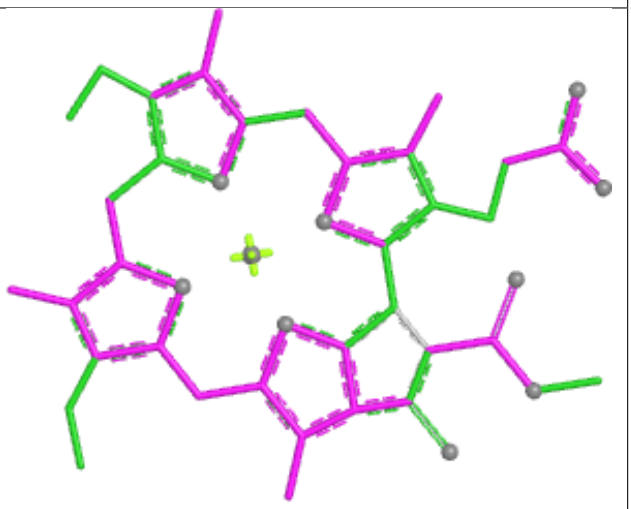


Rings

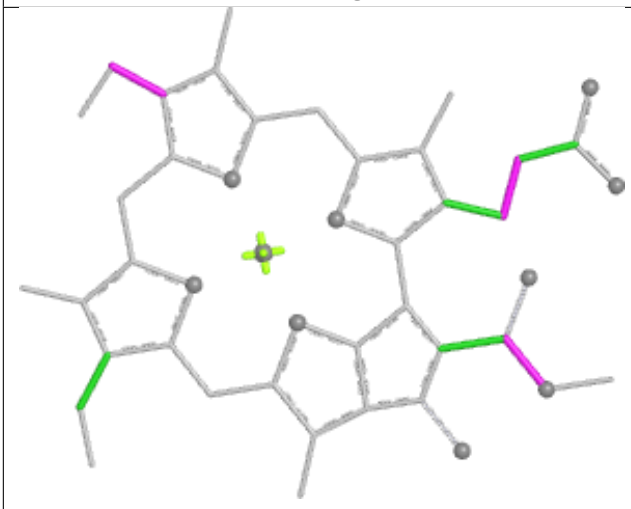
Ligand CLA Z 831



Bond lengths



Bond angles

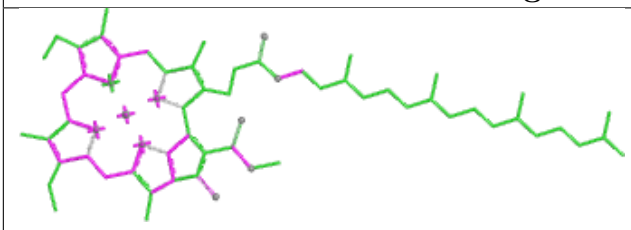


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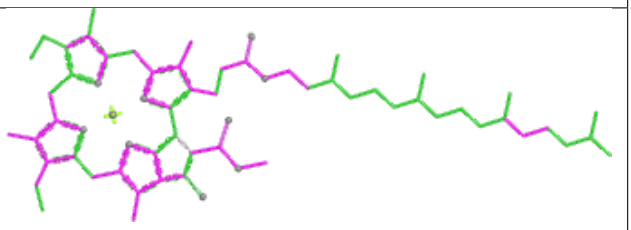


Rings

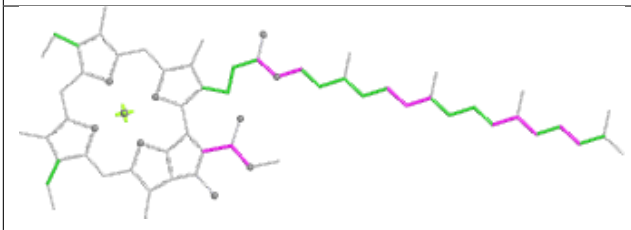
Ligand CLA A 831



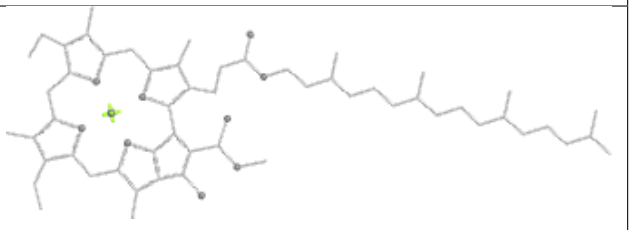
Bond lengths



Bond angles

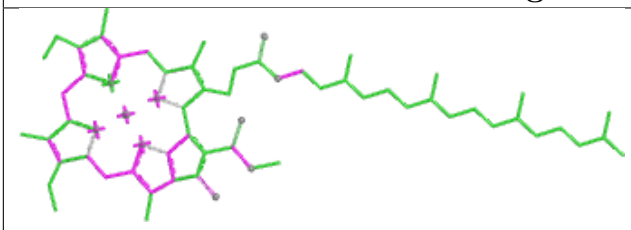


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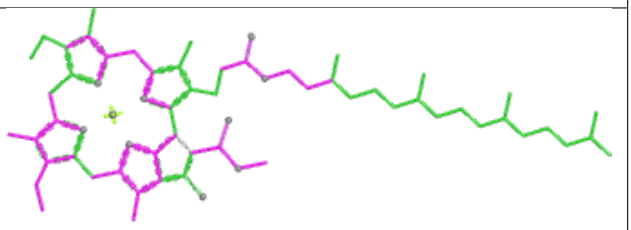


Rings

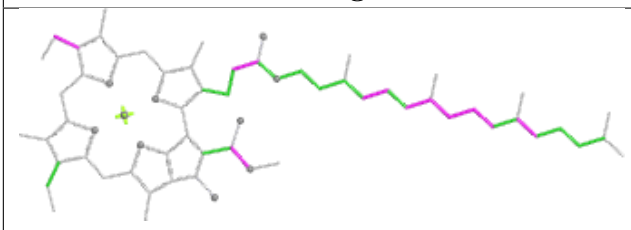
Ligand CLA Z 804



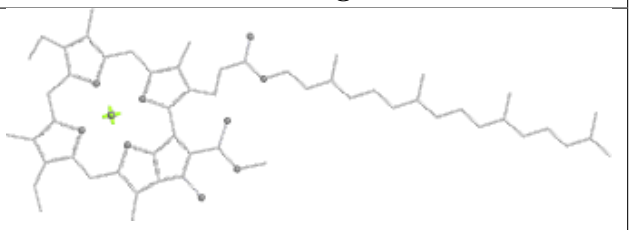
Bond lengths



Bond angles

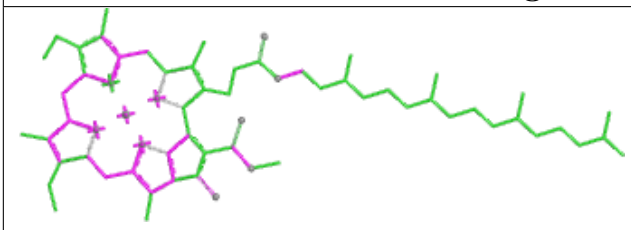


Torsions

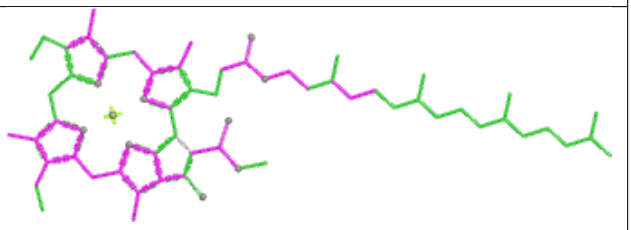


Rings

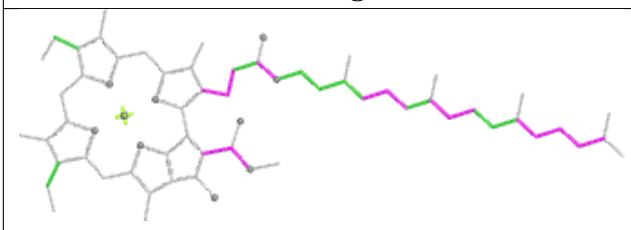
Ligand CLA Y 808



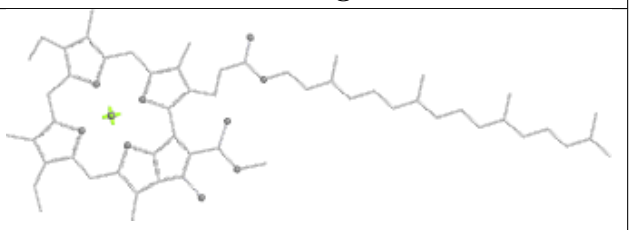
Bond lengths



Bond angles

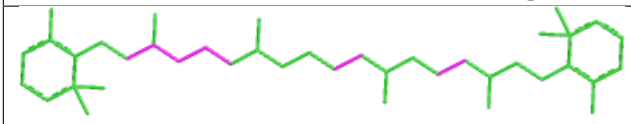


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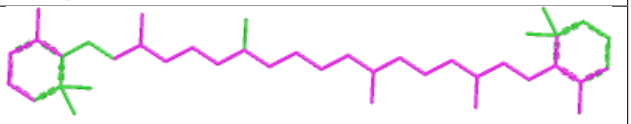


Rings

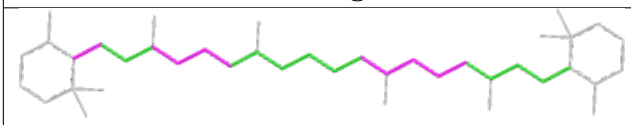
Ligand BCR Q 201



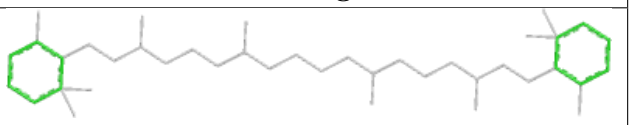
Bond lengths



Bond angles

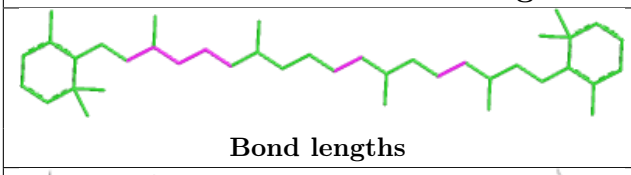


Torsions

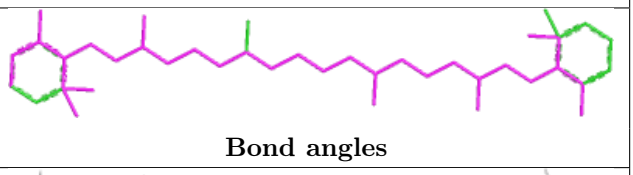


Rings

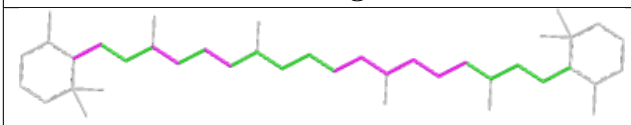
Ligand BCR S 1105



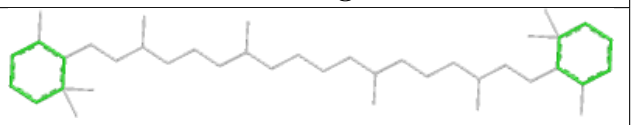
Bond lengths



Bond angles

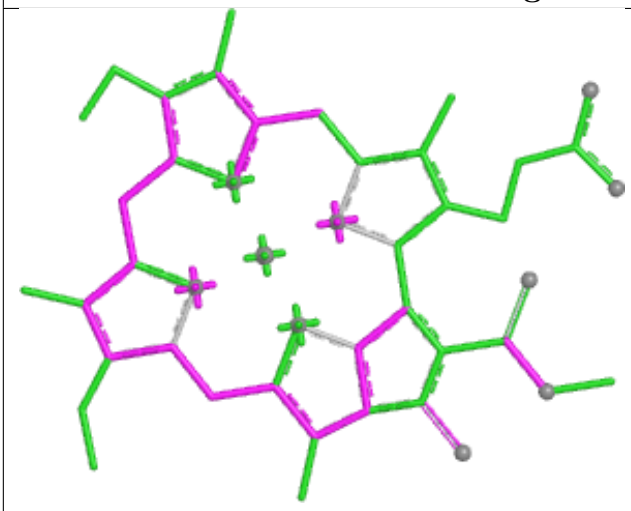


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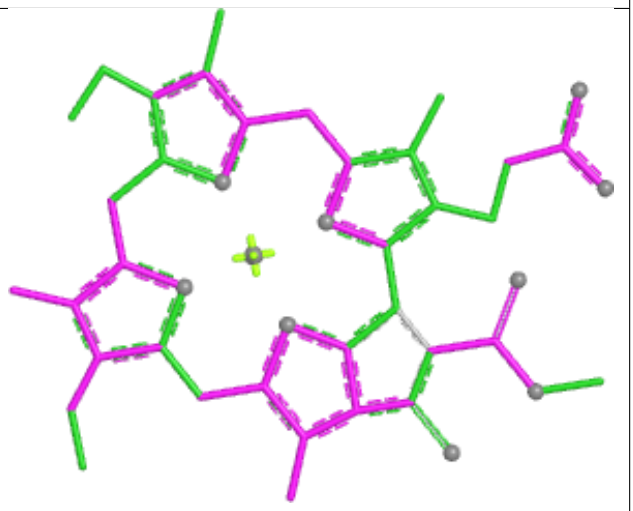


Rings

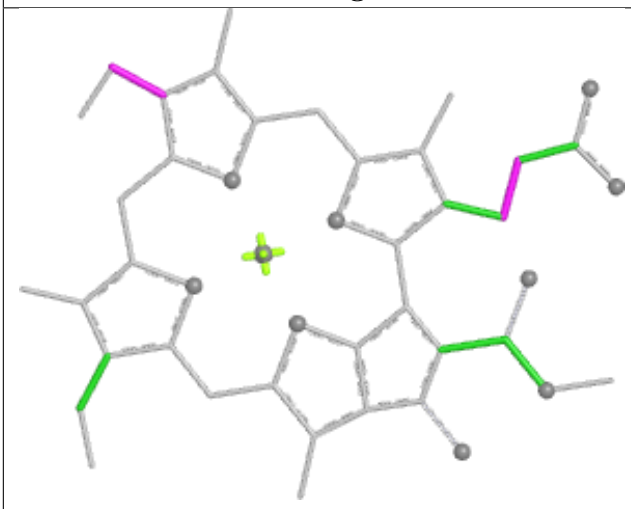
Ligand CLA Y 834



Bond lengths



Bond angles

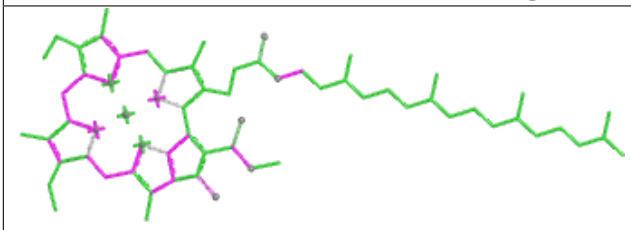


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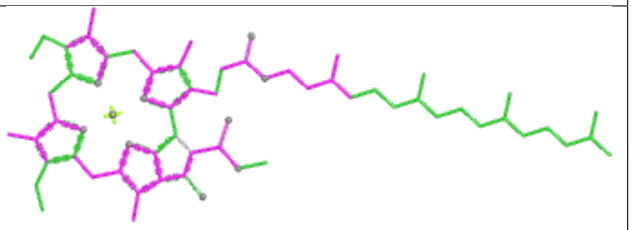


Rings

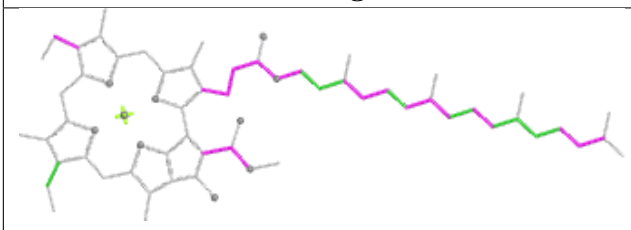
Ligand CLA A 806



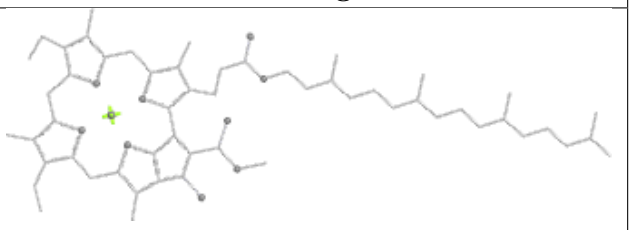
Bond lengths



Bond angles

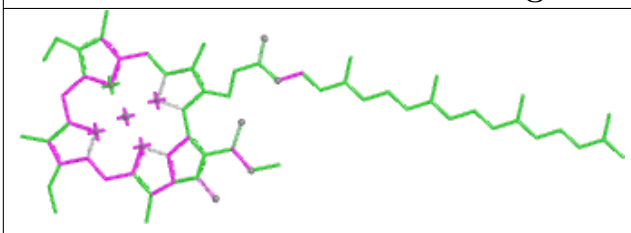


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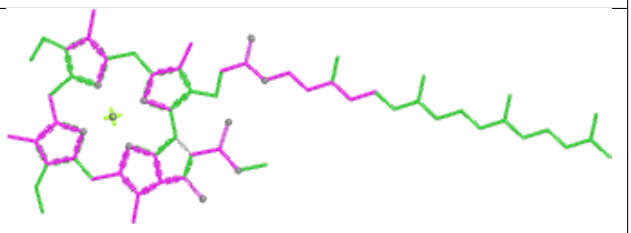


Rings

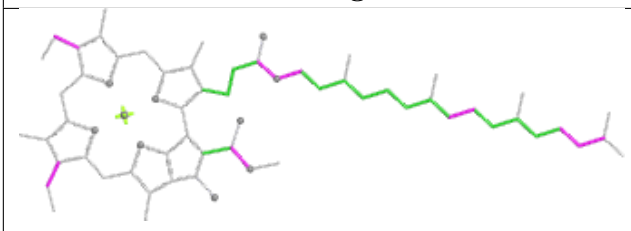
Ligand CLA Z 841



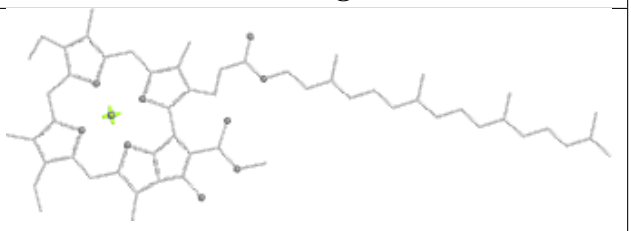
Bond lengths



Bond angles

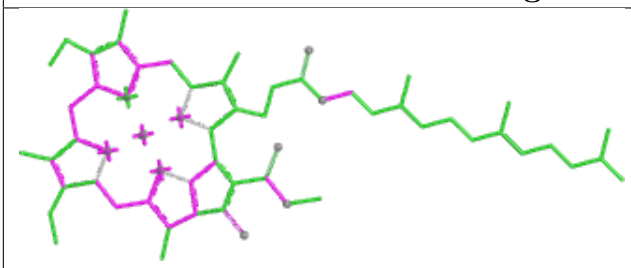


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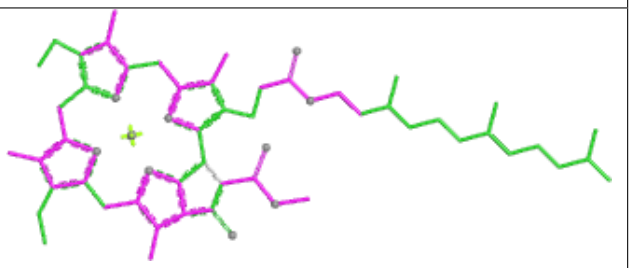


Rings

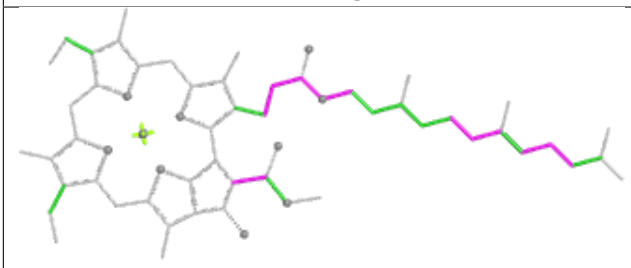
Ligand CLA Y 820



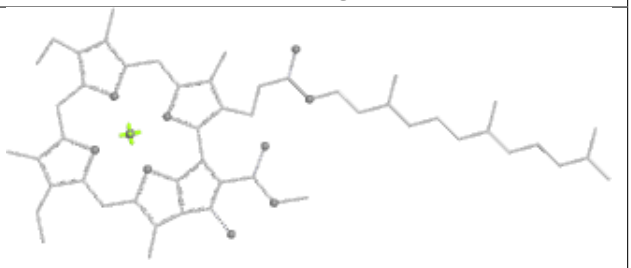
Bond lengths



Bond angles

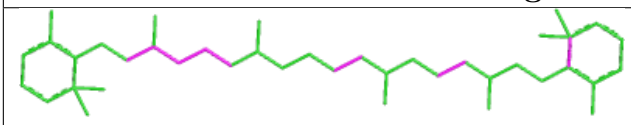


Torsions

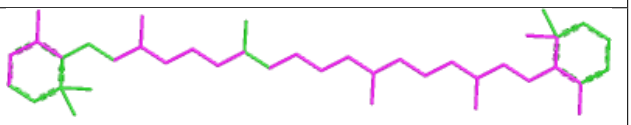


Rings

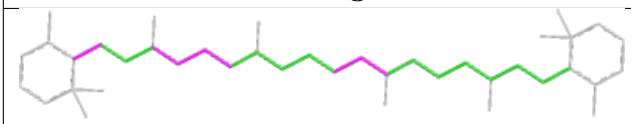
Ligand BCR Z 848



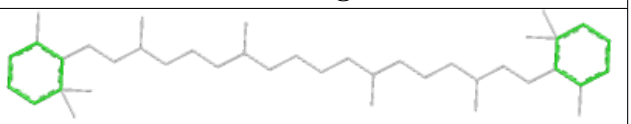
Bond lengths



Bond angles

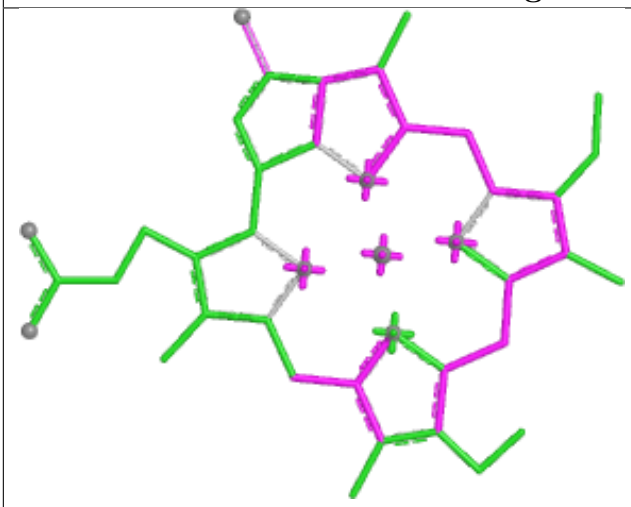


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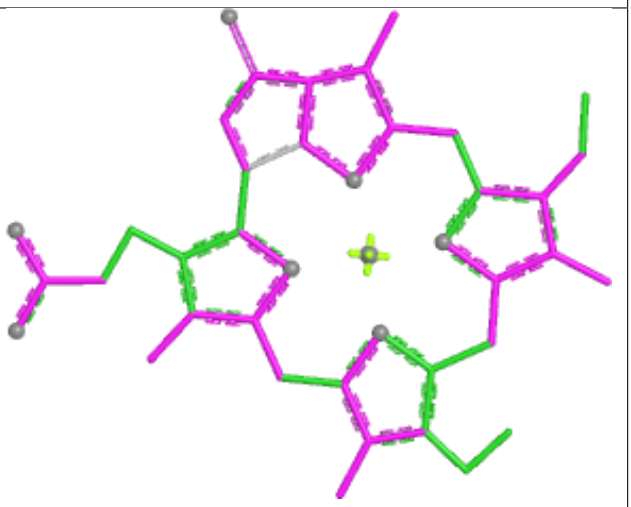


Rings

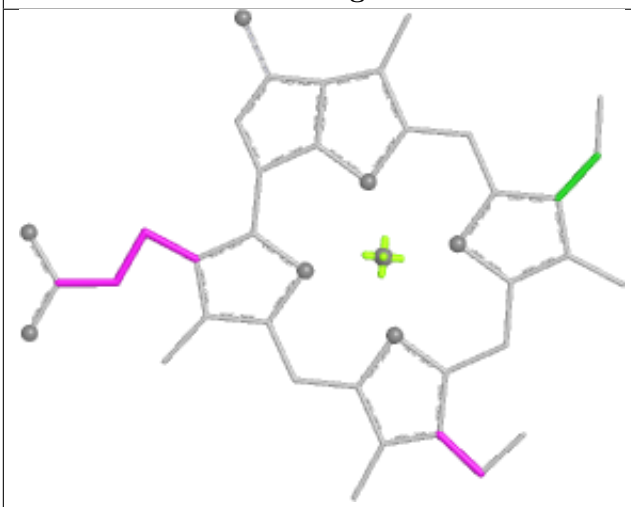
Ligand CLA T 101



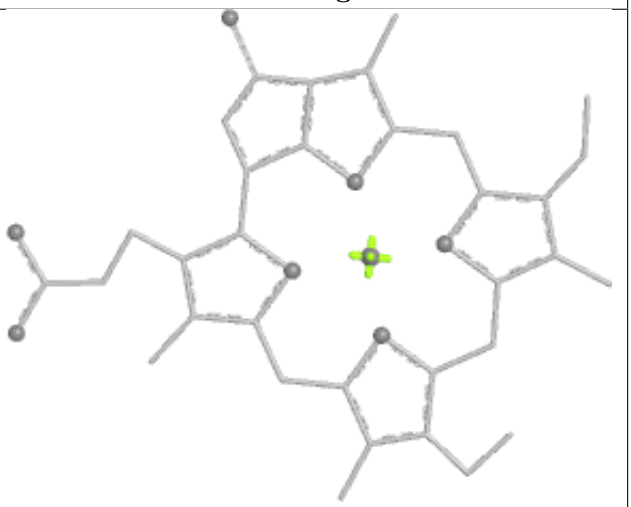
Bond lengths



Bond angles

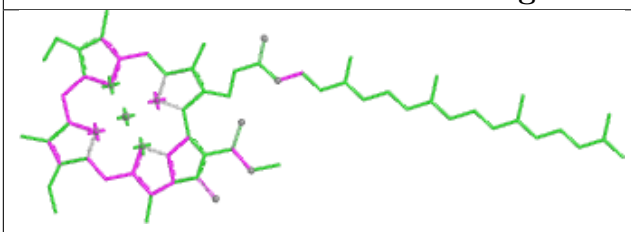


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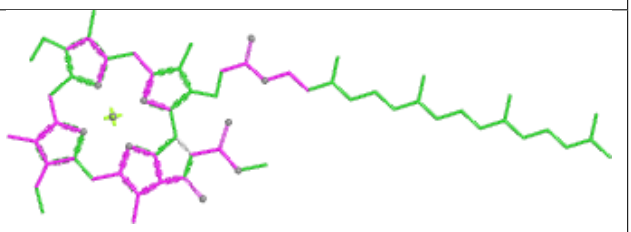


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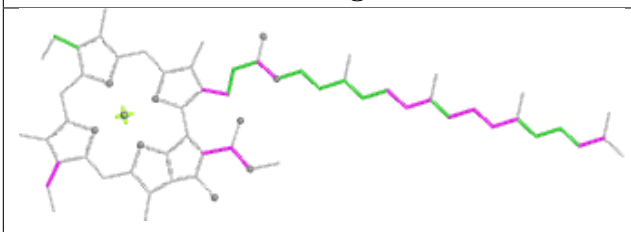
Ligand CLA S 1101



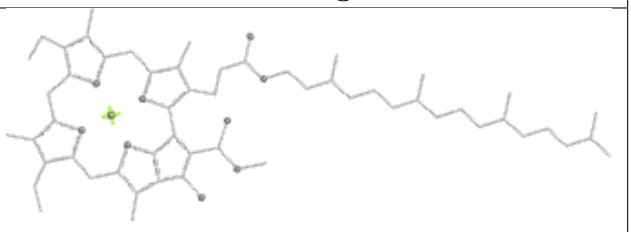
Bond lengths



Bond angles

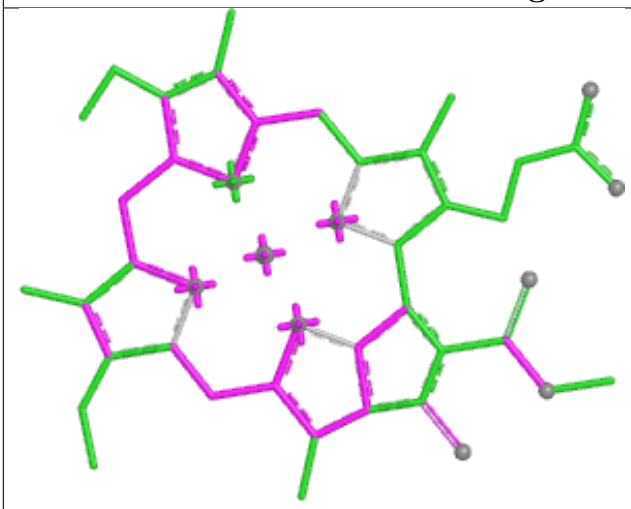


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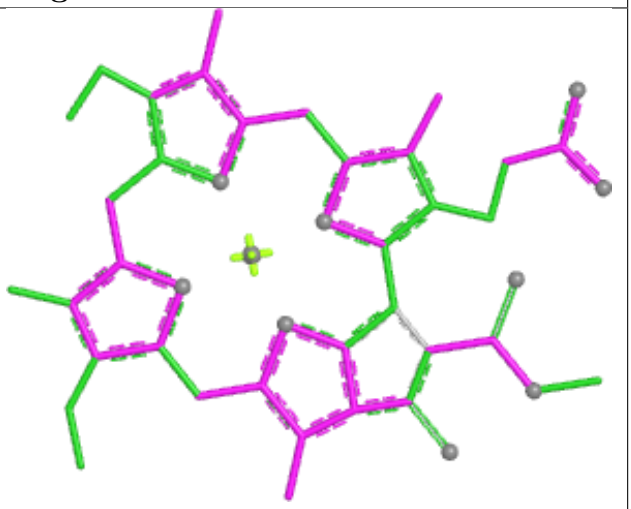


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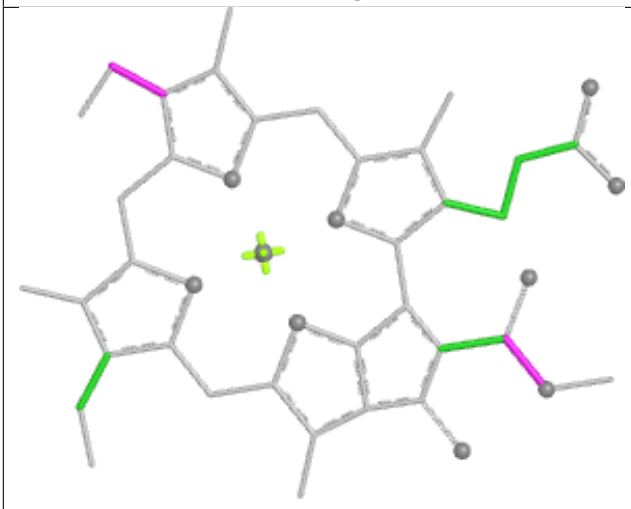
Ligand CLA g 102



Bond lengths



Bond angles

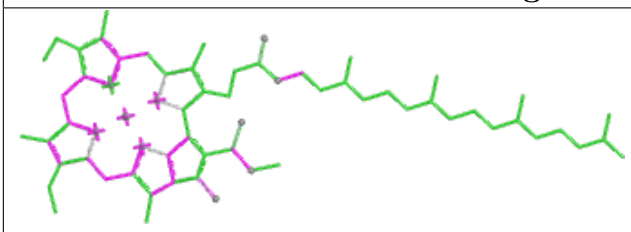


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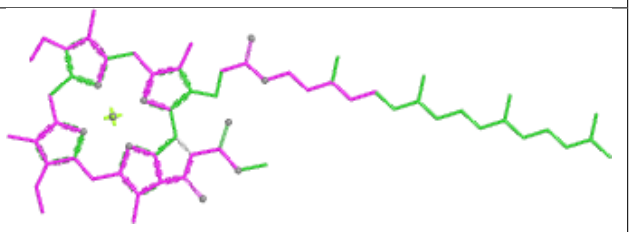


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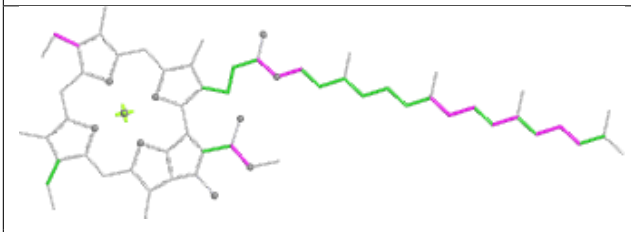
Ligand CLA G 803



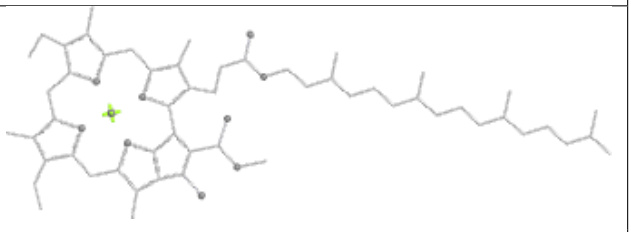
Bond lengths



Bond angles

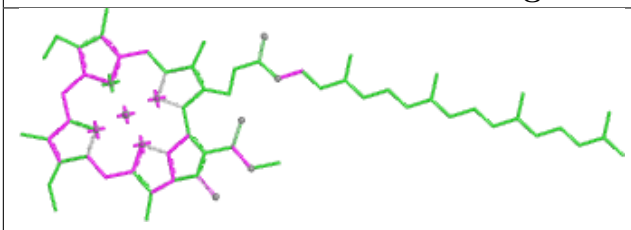


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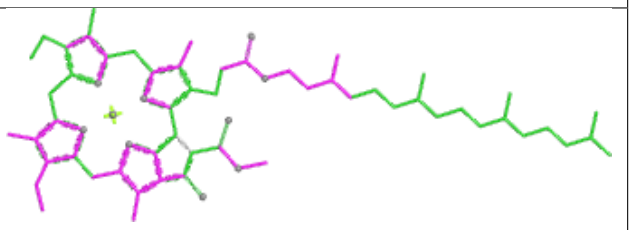


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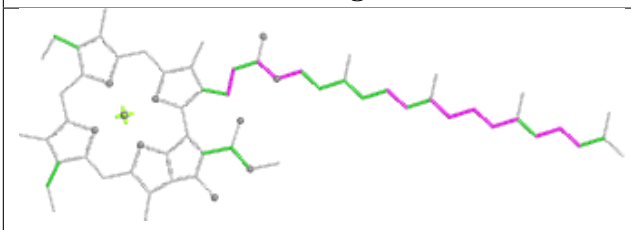
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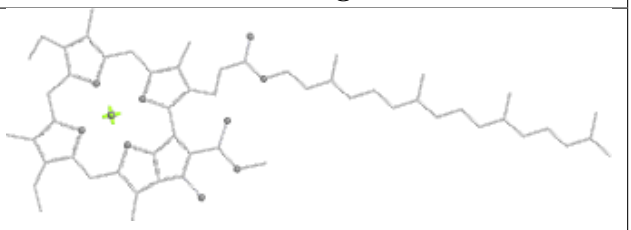
Bond lengths



Bond angles

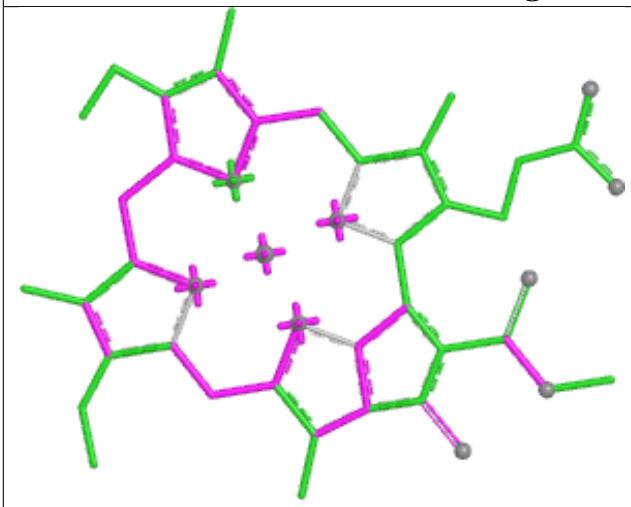


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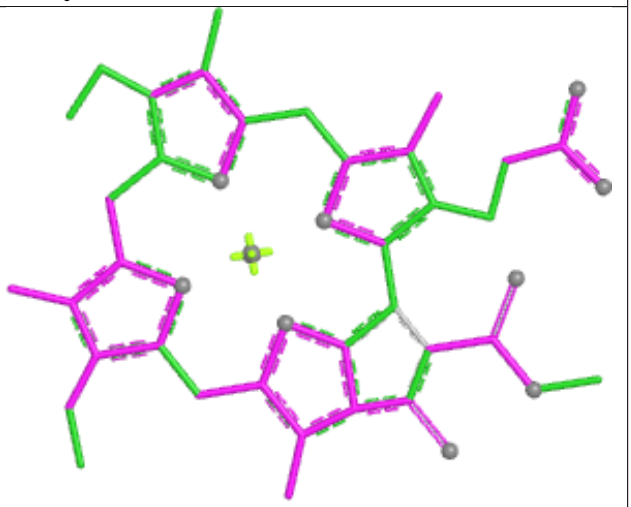


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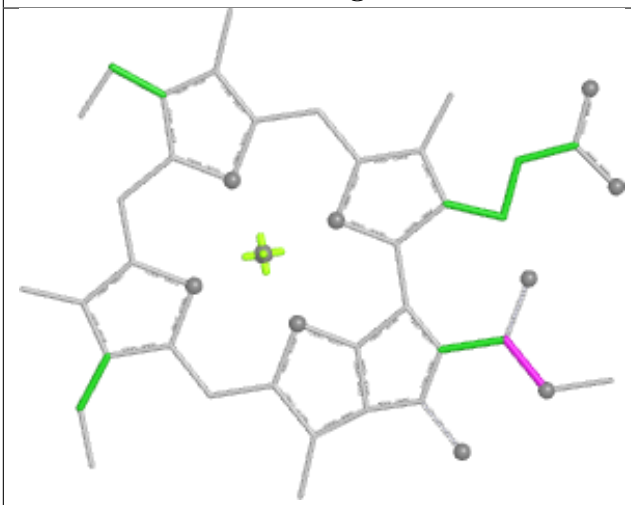
Ligand CLA Q 202



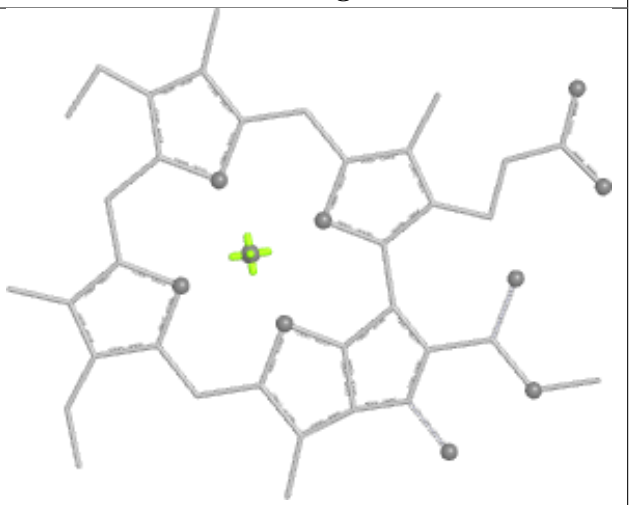
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Bond angles

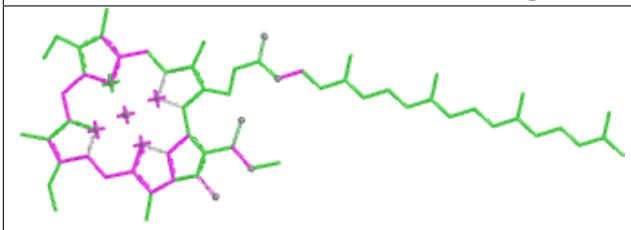


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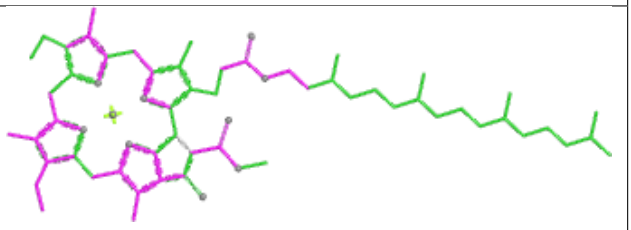


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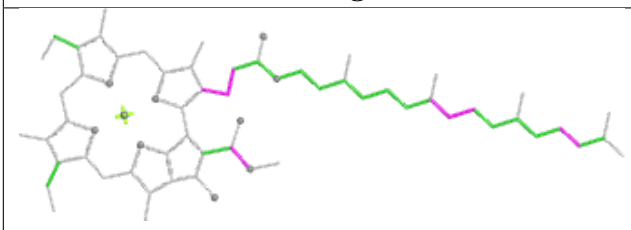
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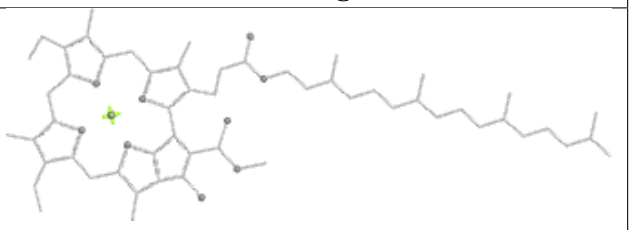
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Bond angles

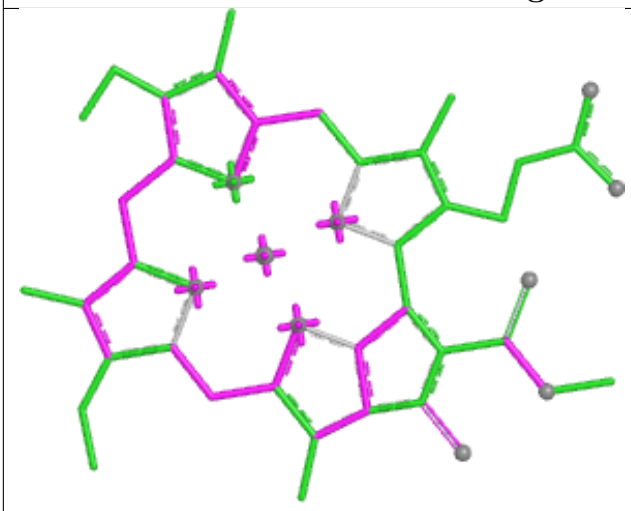


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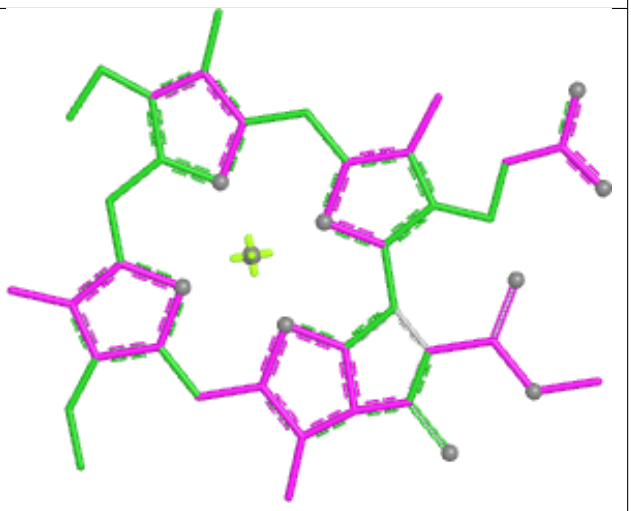


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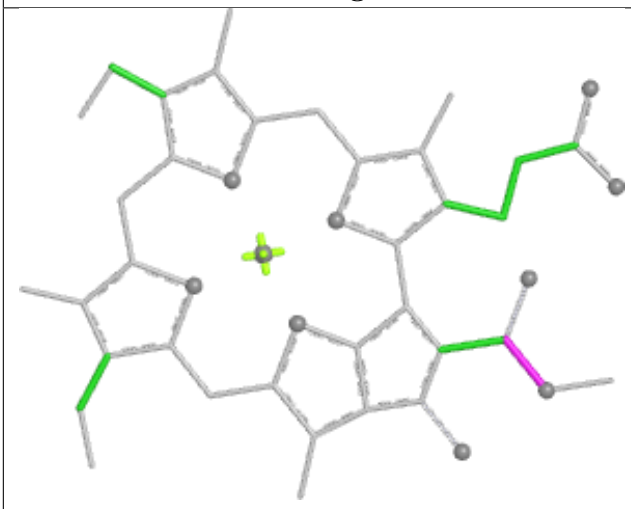
Ligand CLA d 202



Bond lengths



Bond angles

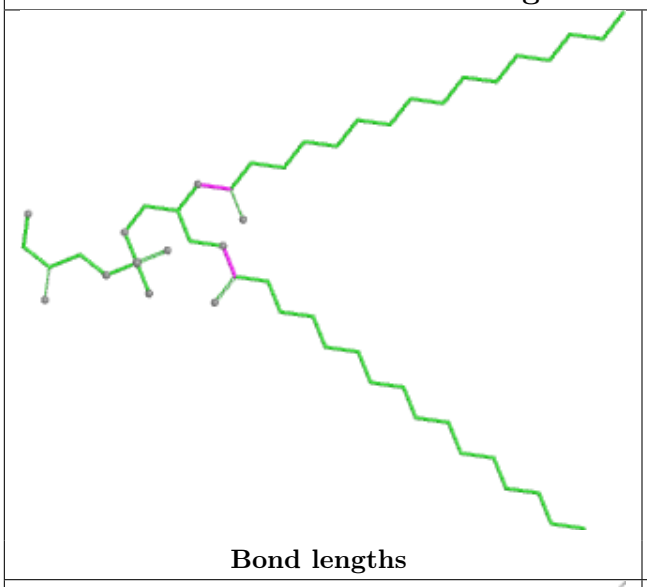


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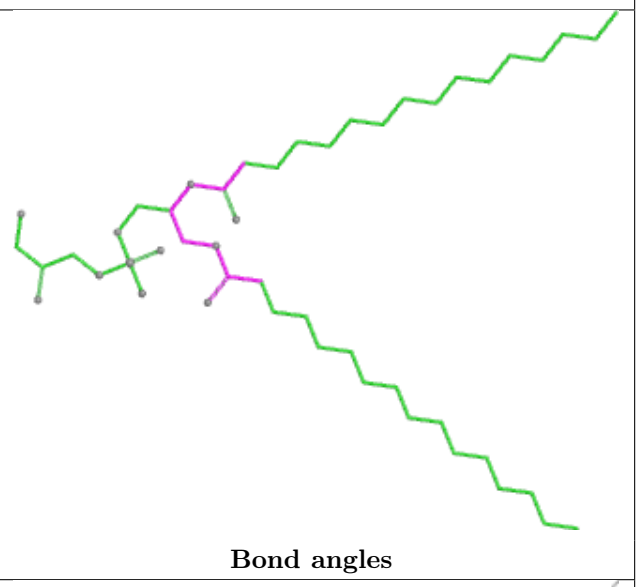


Rings

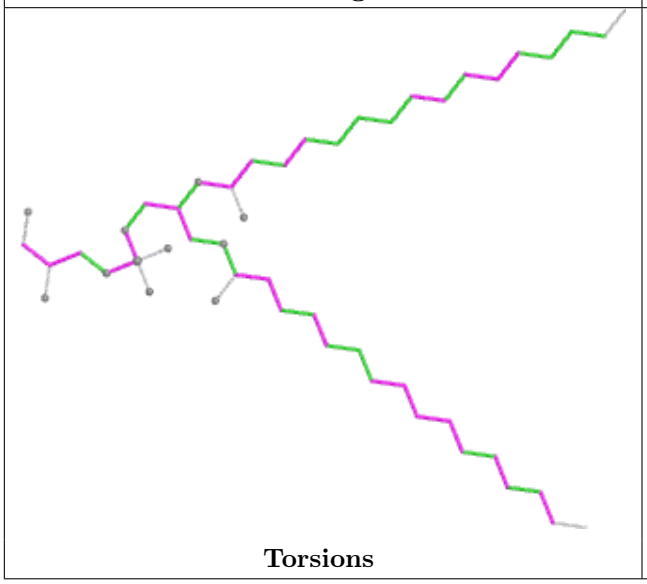
Ligand LHG G 850



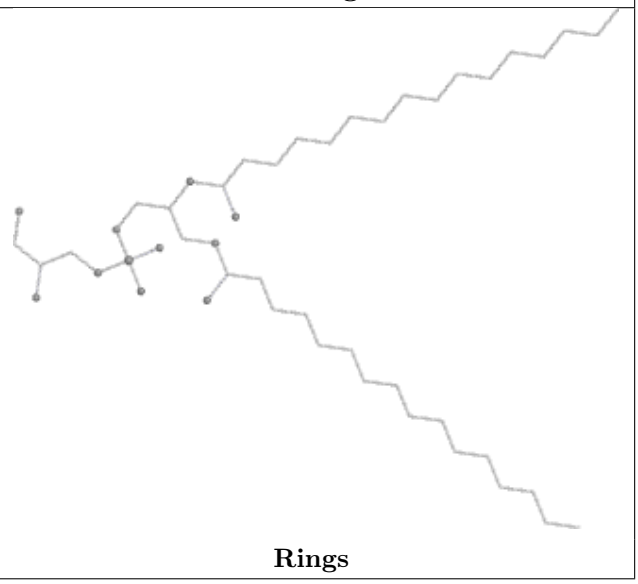
Bond lengths



Bond angles

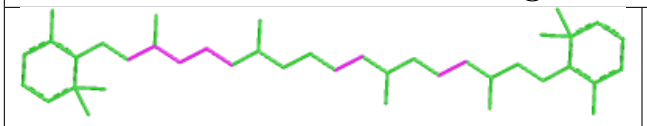


Torsions



Rings

Ligand BCR B 847



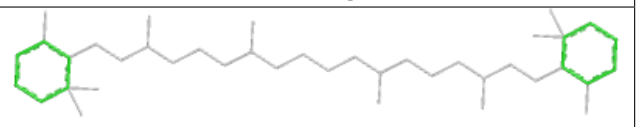
Bond lengths



Bond angles

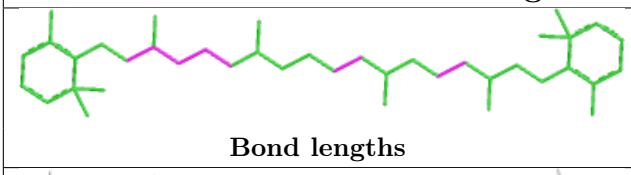


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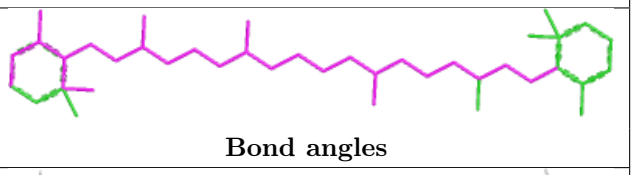


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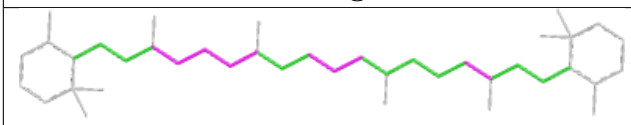
Ligand BCR Z 845



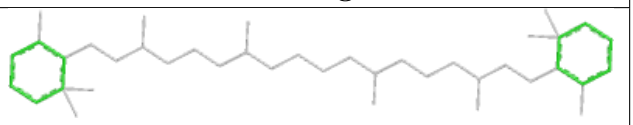
Bond lengths



Bond angles

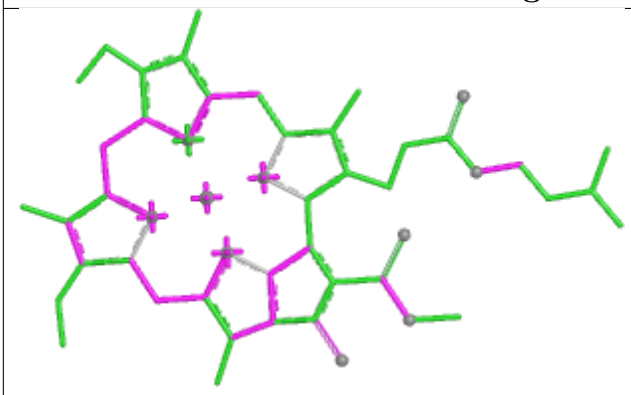


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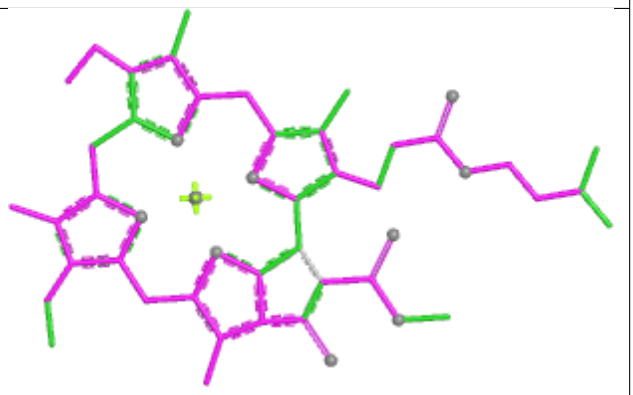


Rings

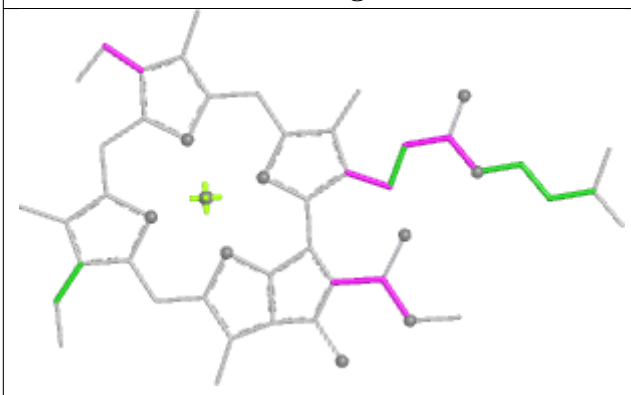
Ligand CLA G 831



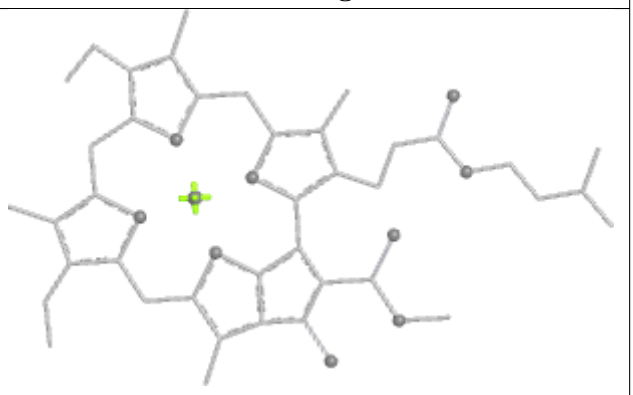
Bond lengths



Bond angles

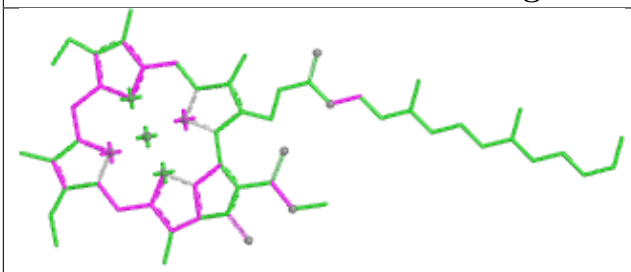


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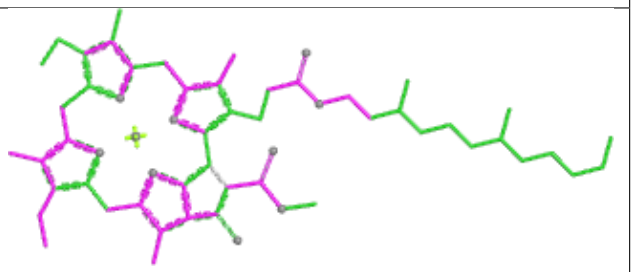


Rings

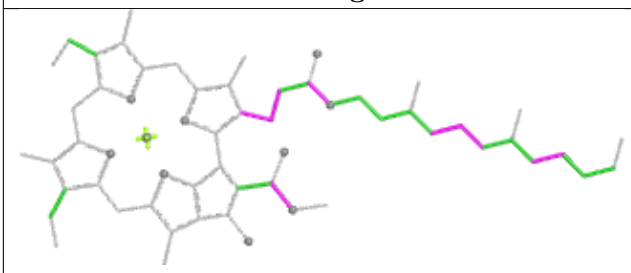
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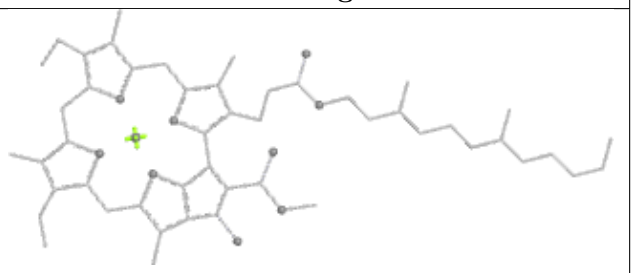
Bond lengths



Bond angles

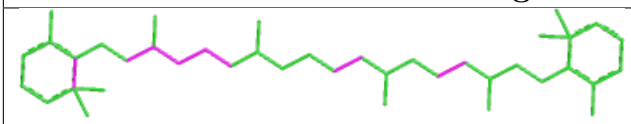


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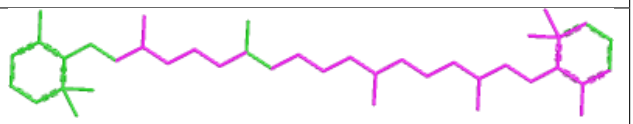


Rings

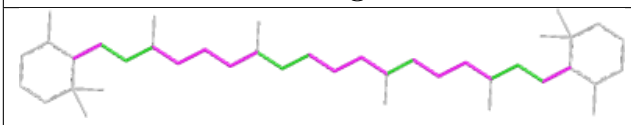
Ligand BCR U 1008



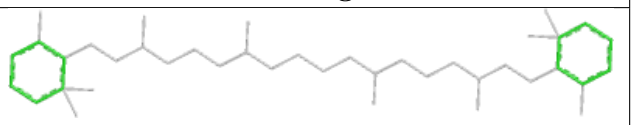
Bond lengths



Bond angles

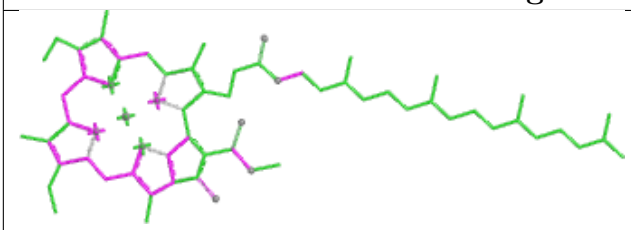


Torsions

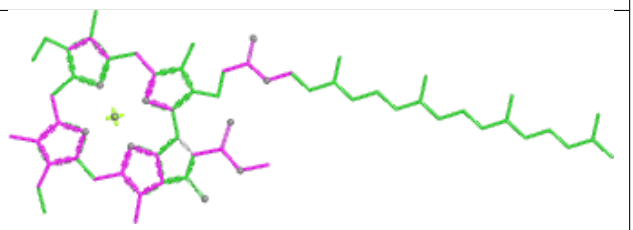


Rings

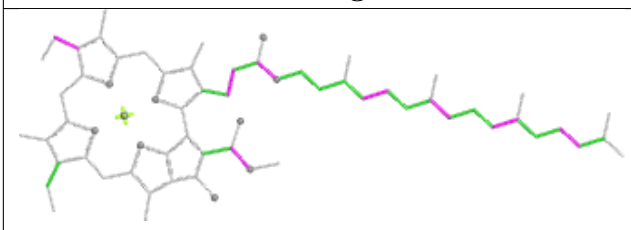
Ligand CLA Z 840



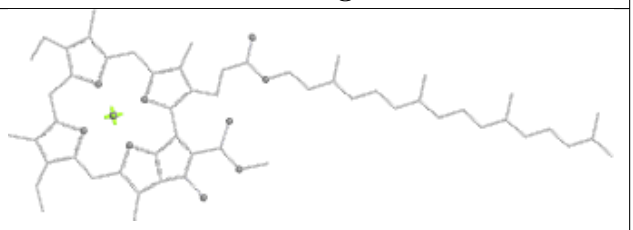
Bond lengths



Bond angles

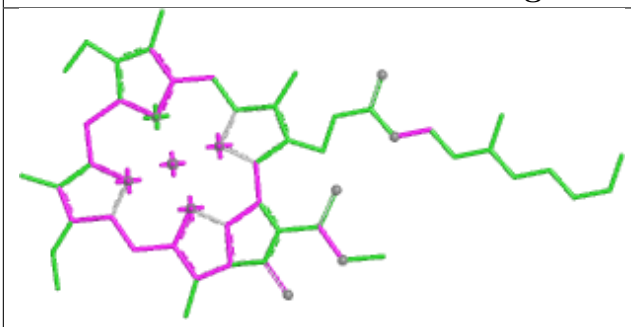


Torsions

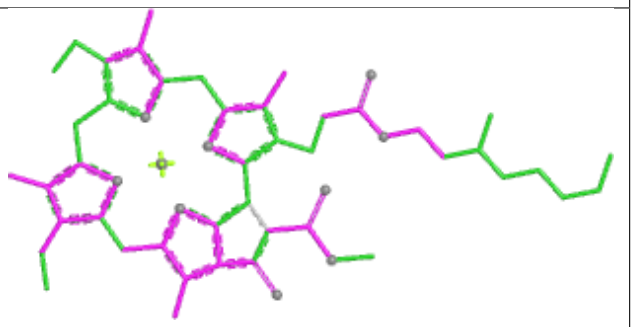


Rings

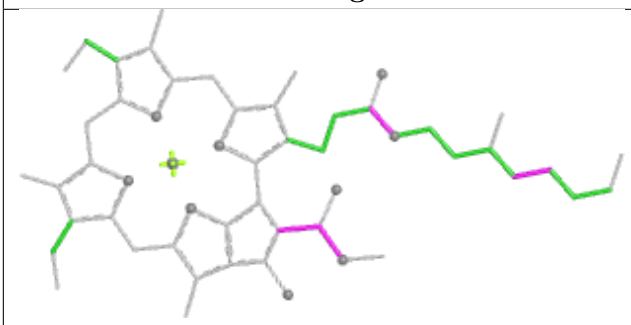
Ligand CLA B 803



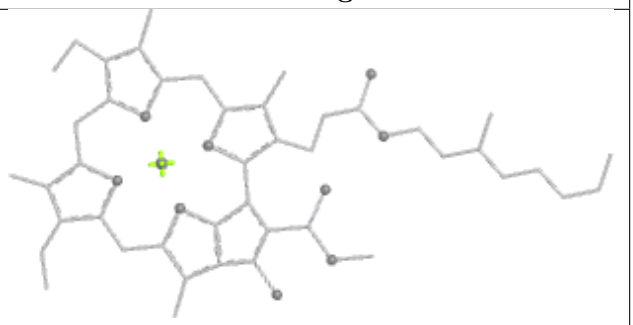
Bond lengths



Bond angles

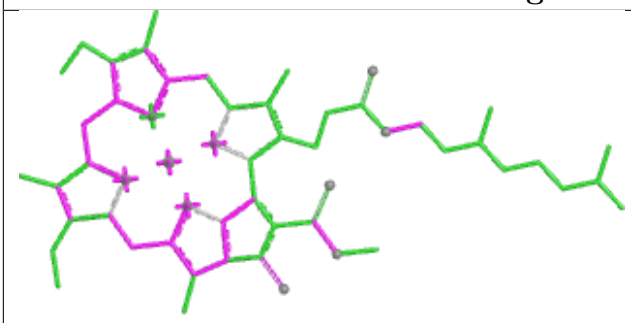


Torsions

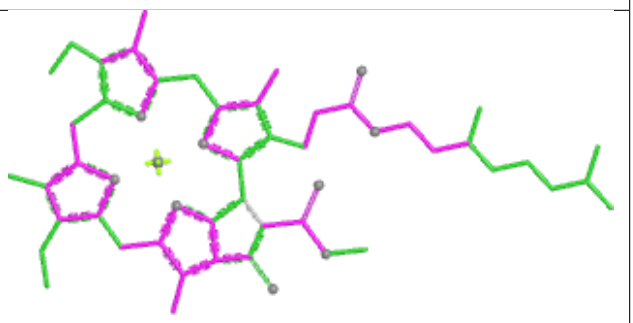


Rings

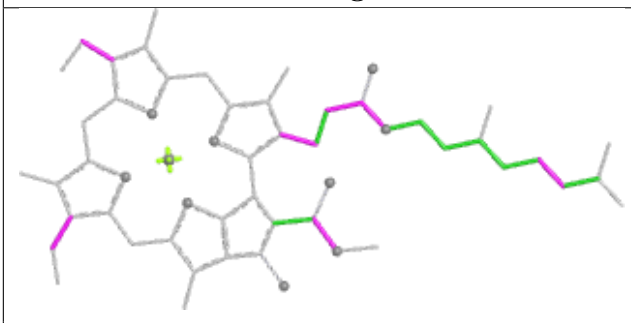
Ligand CLA Z 833



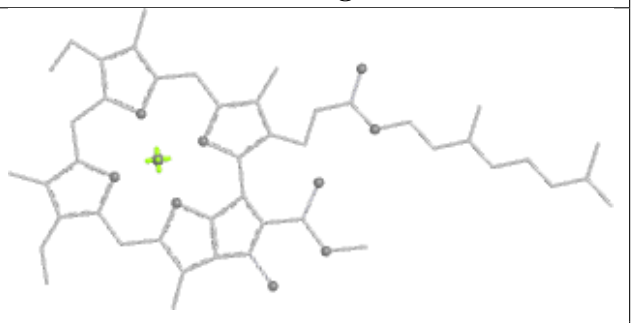
Bond lengths



Bond angles

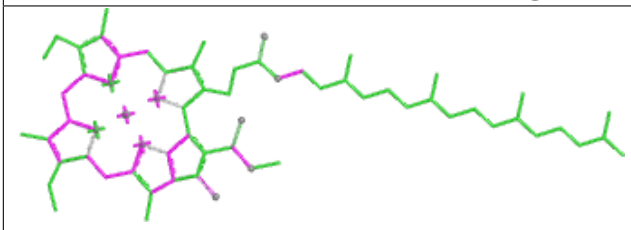


Torsions

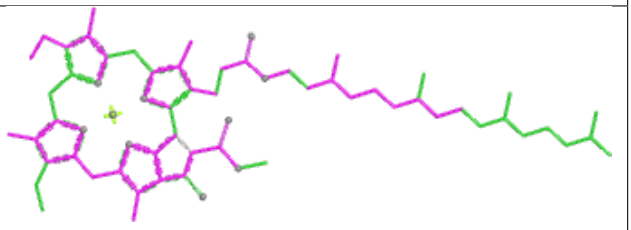


Rings

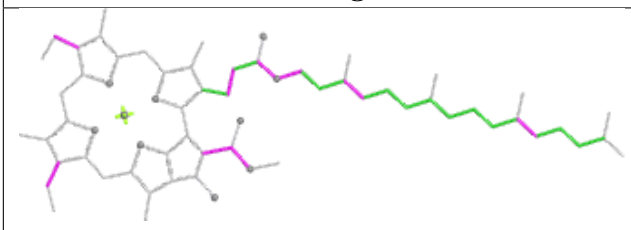
Ligand CLA L 202



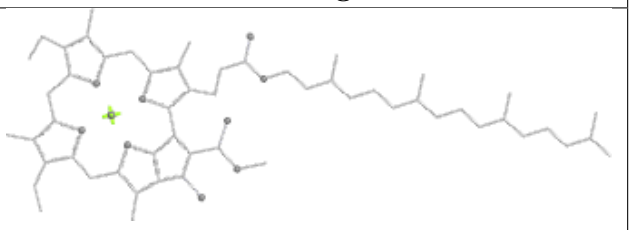
Bond lengths



Bond angles

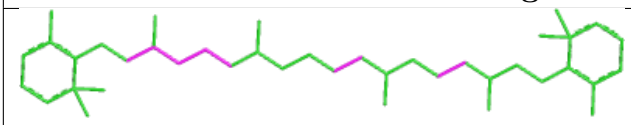


Torsions

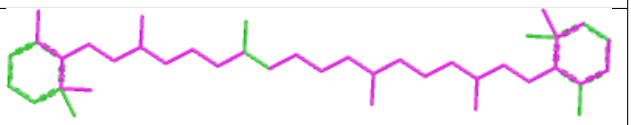


Rings

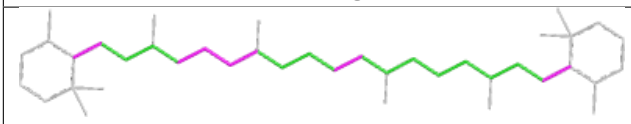
Ligand BCR G 848



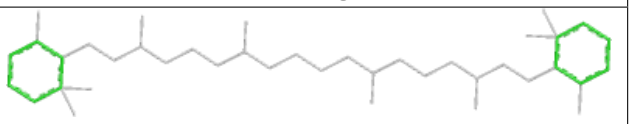
Bond lengths



Bond angles

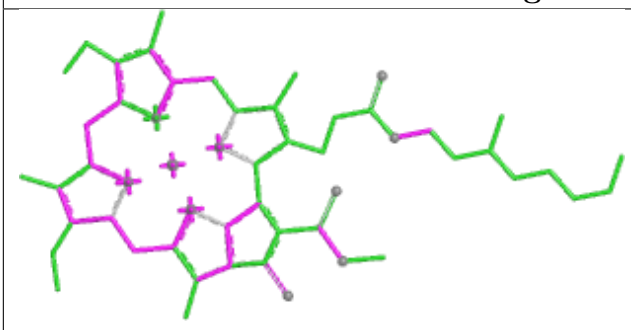


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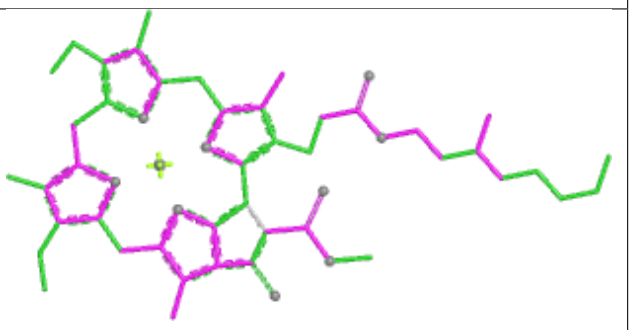


Rings

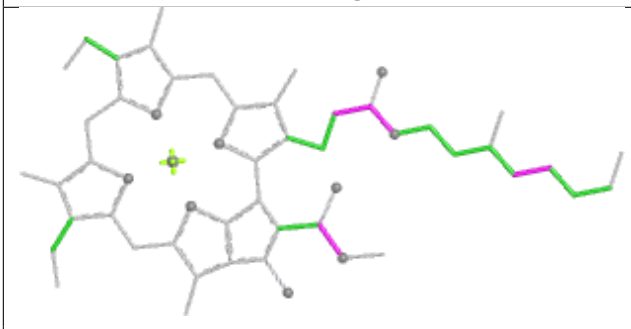
Ligand CLA A 813



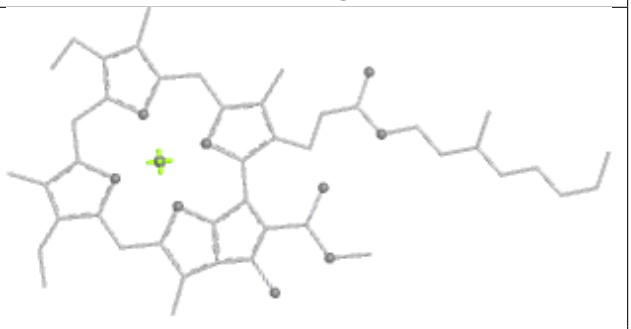
Bond lengths



Bond angles

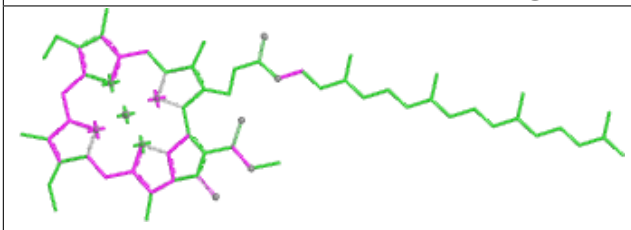


Torsions

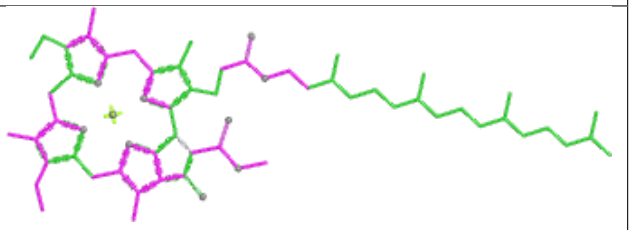


Rings

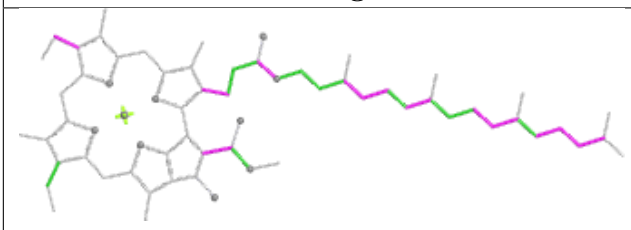
Ligand CLA L 204



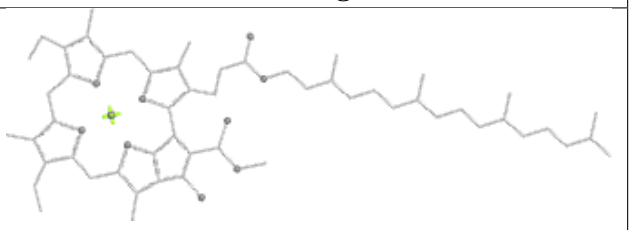
Bond lengths



Bond angles

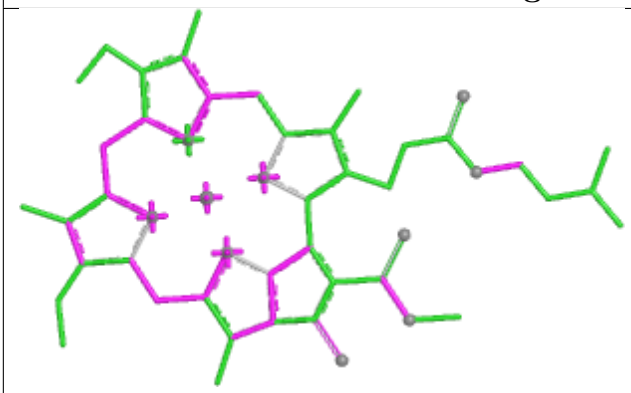


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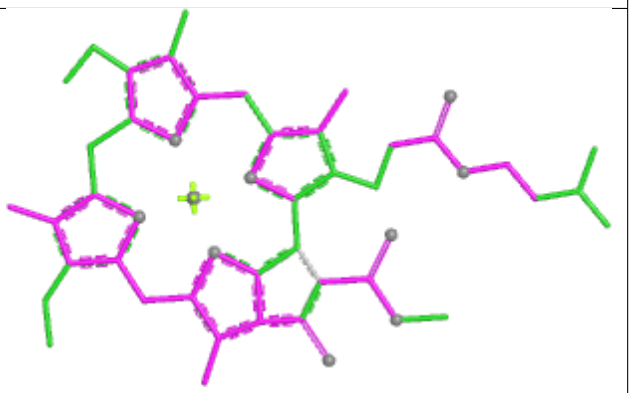


Rings

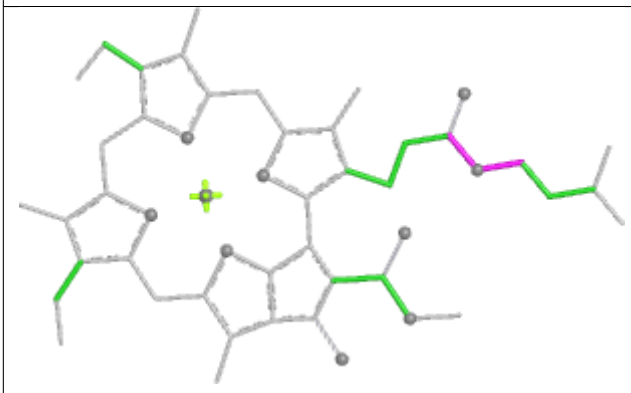
Ligand CLA A 832



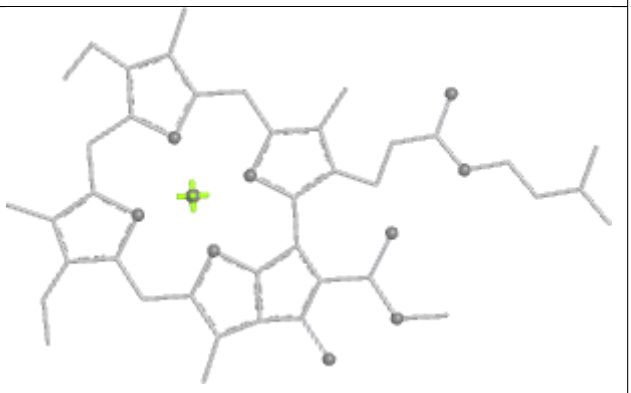
Bond lengths



Bond angles

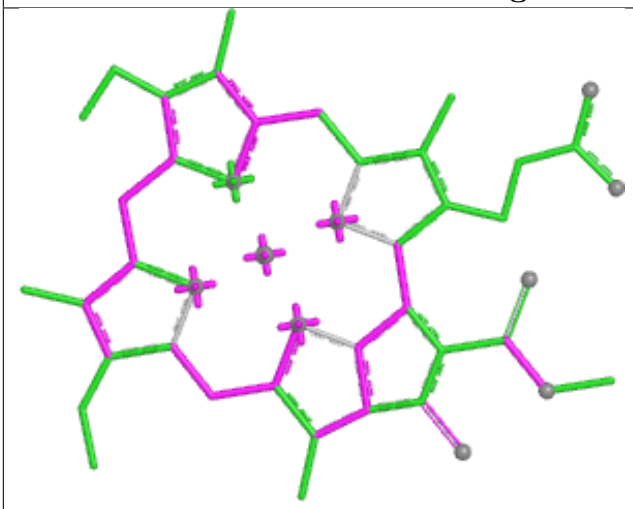


Torsions

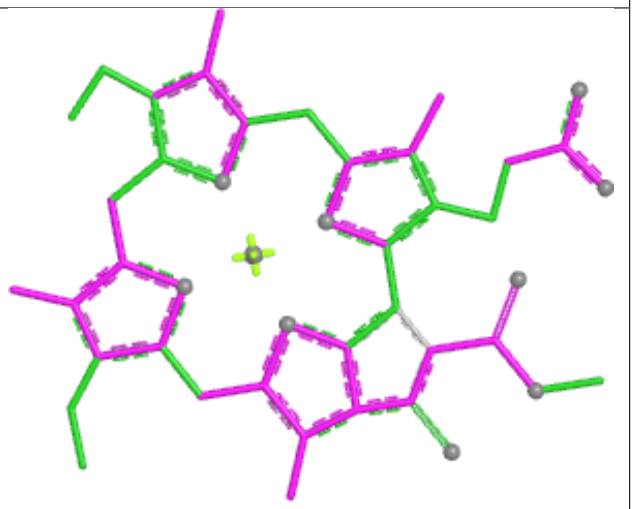


Rings

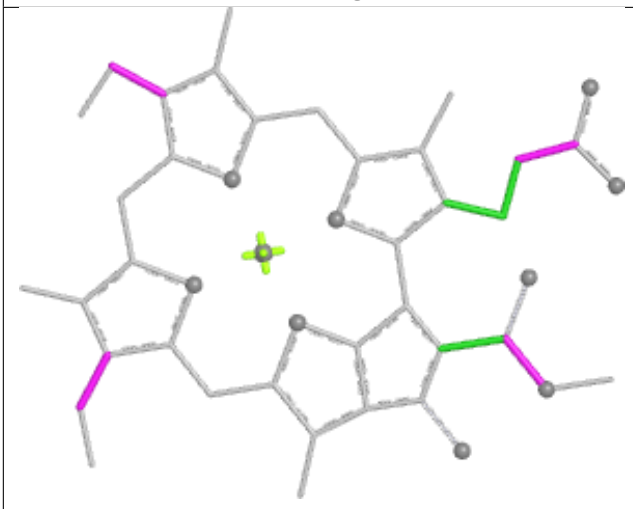
Ligand CLA W 1701



Bond lengths



Bond angles

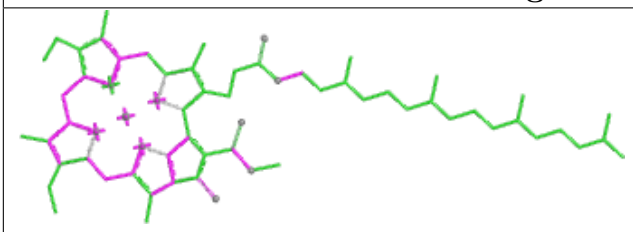


Torsions

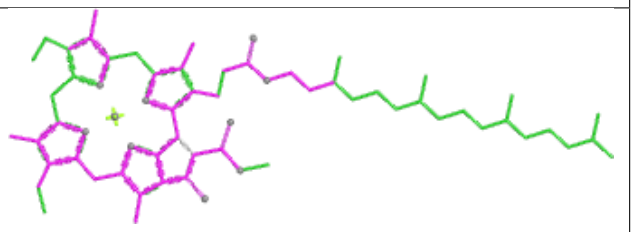


Rings

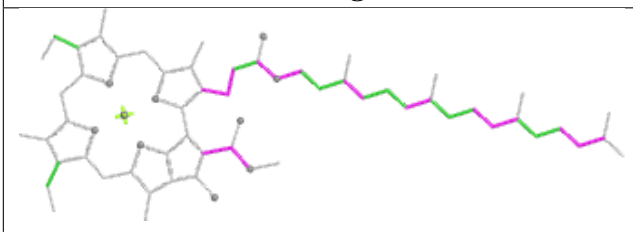
Ligand CLA Z 811



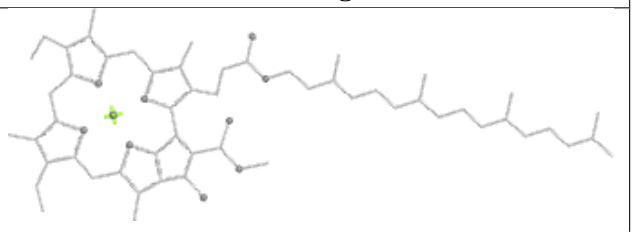
Bond lengths



Bond angles

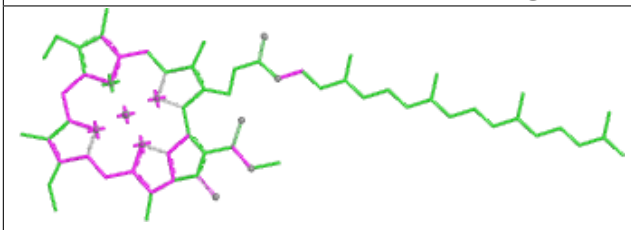


Torsions

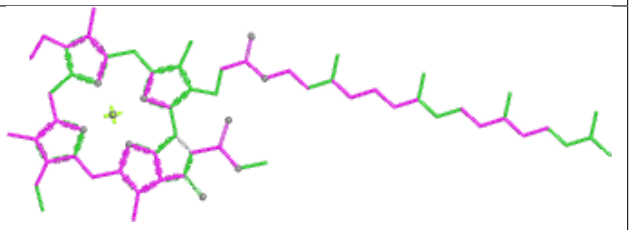


Rings

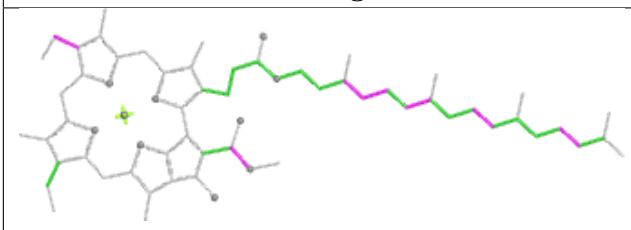
Ligand CLA B 806



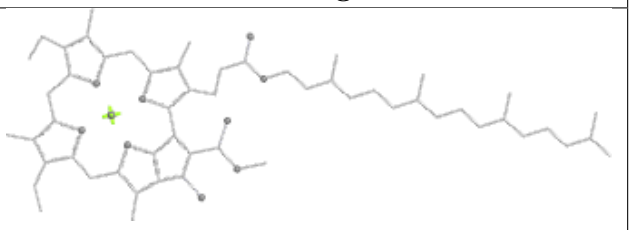
Bond lengths



Bond angles

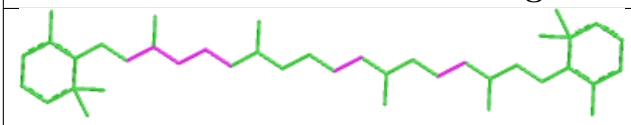


Torsions



Rings

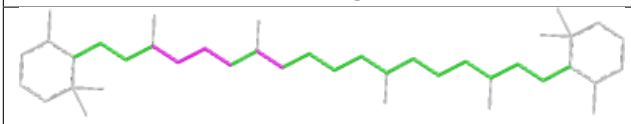
Ligand BCR d 203



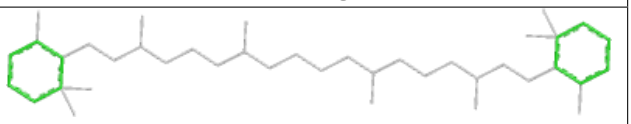
Bond lengths



Bond angles

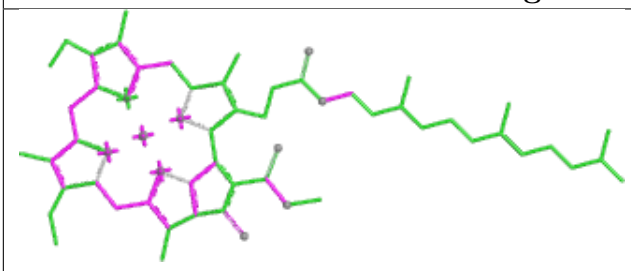


Torsions

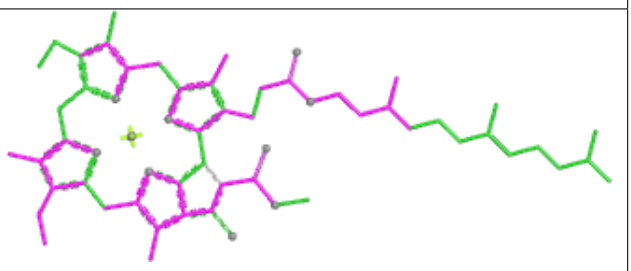


Rings

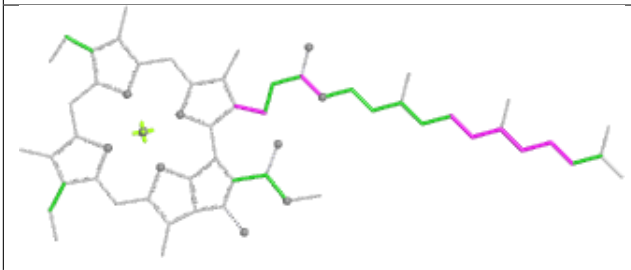
Ligand CLA A 827



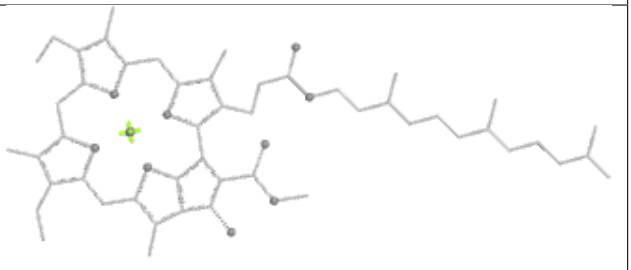
Bond lengths



Bond angles

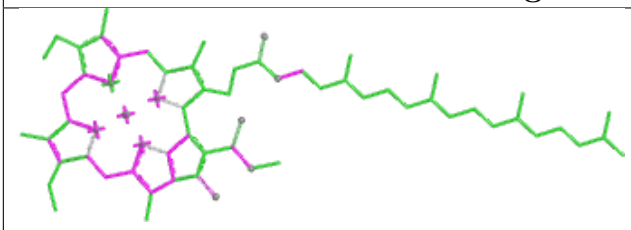


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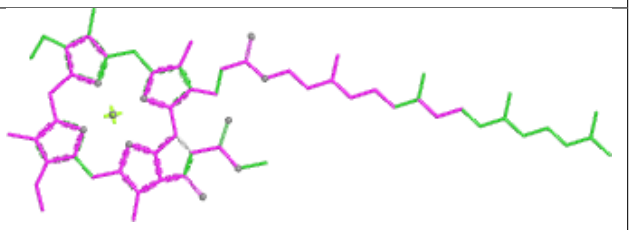


Rings

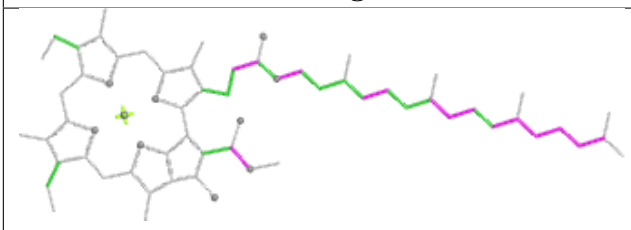
Ligand CLA B 808



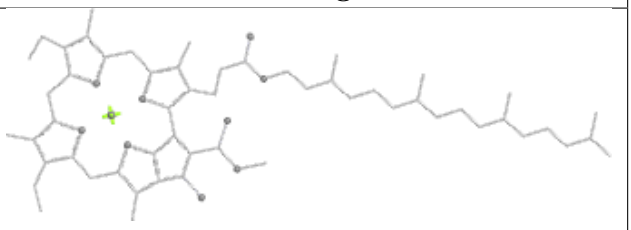
Bond lengths



Bond angles

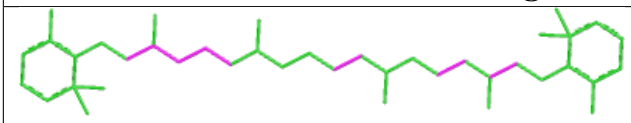


Torsions

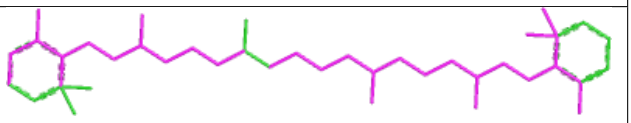


Rings

Ligand BCR B 846



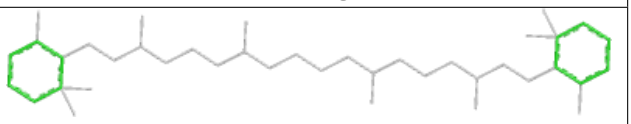
Bond lengths



Bond angles

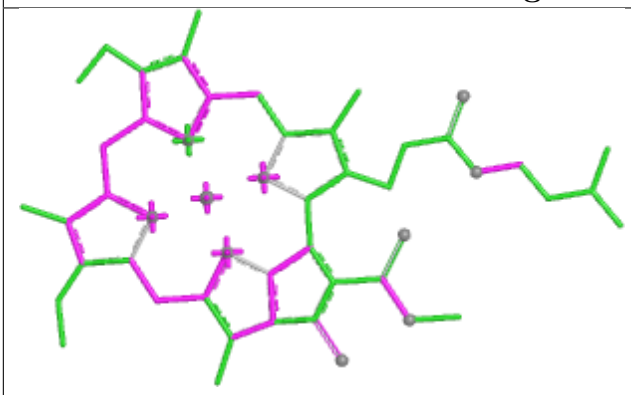


Torsions

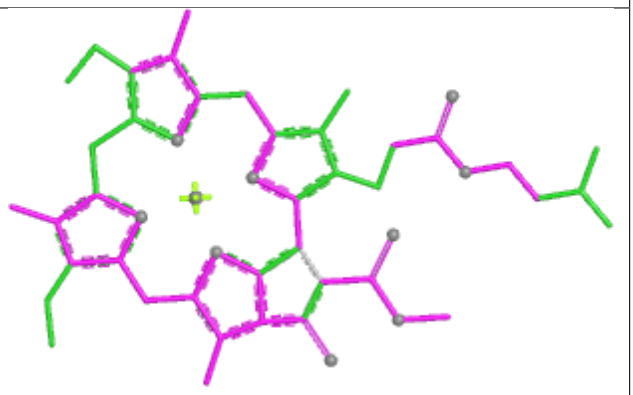


Rings

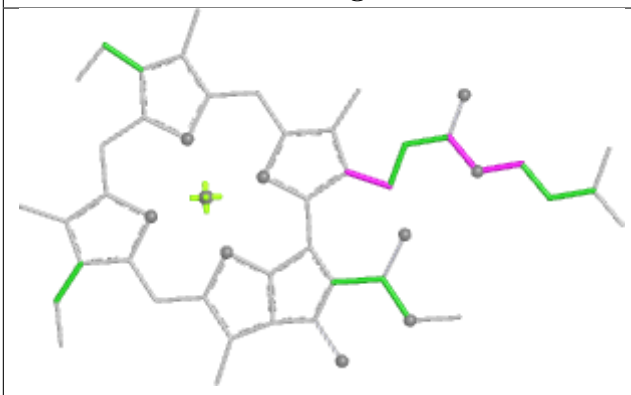
Ligand CLA A 836



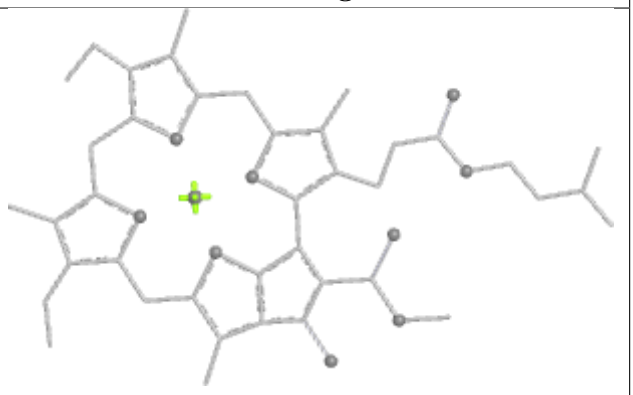
Bond lengths



Bond angles

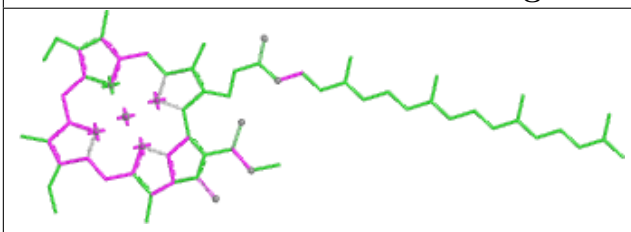


Torsions

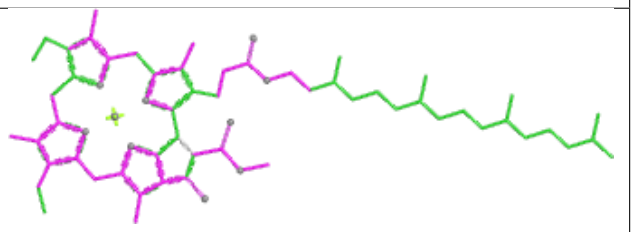


Rings

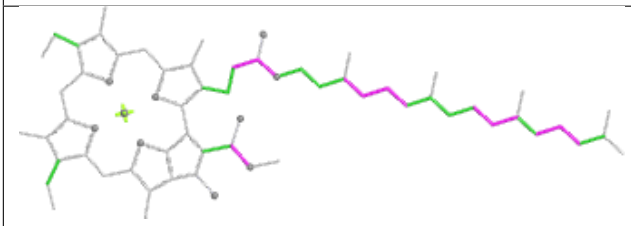
Ligand CLA Y 827



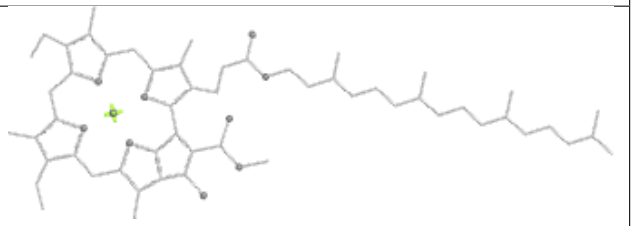
Bond lengths



Bond angles

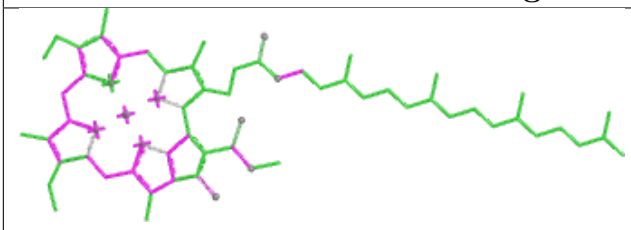


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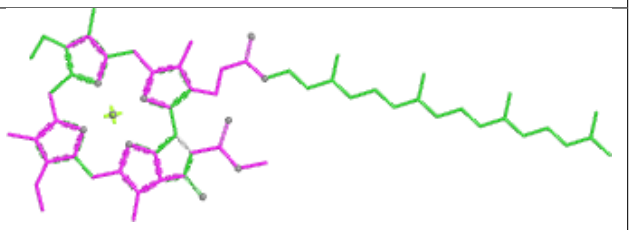


Rings

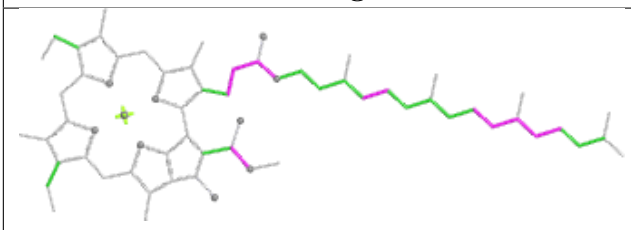
Ligand CLA H 801



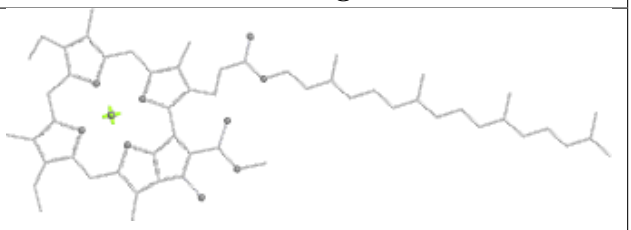
Bond lengths



Bond angles

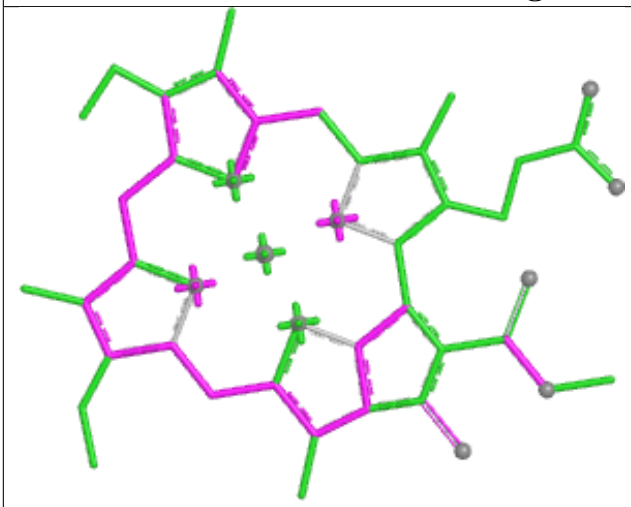


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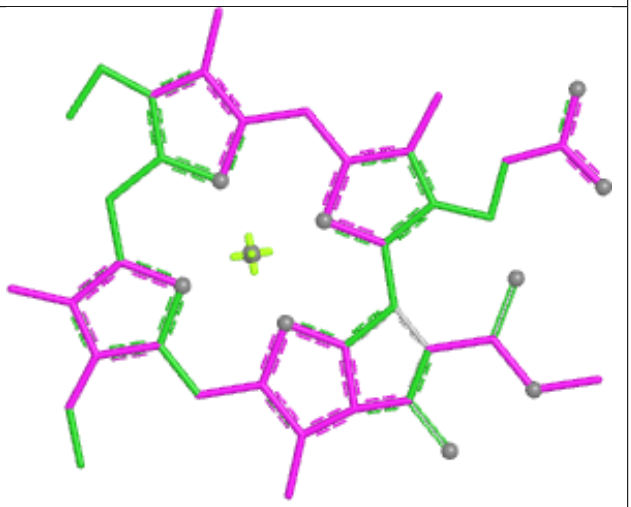


Rings

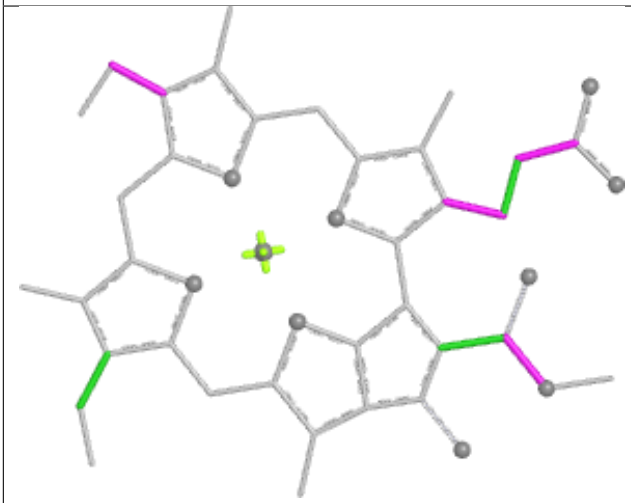
Ligand CLA Z 835



Bond lengths



Bond angles

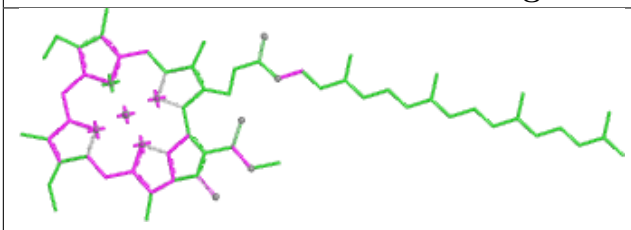


Torsions

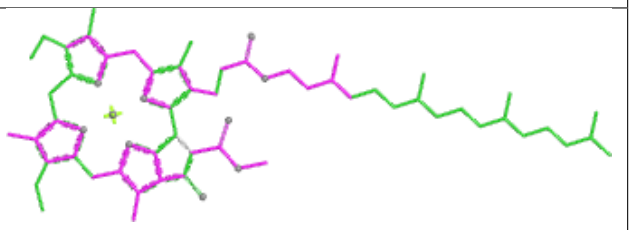


Rings

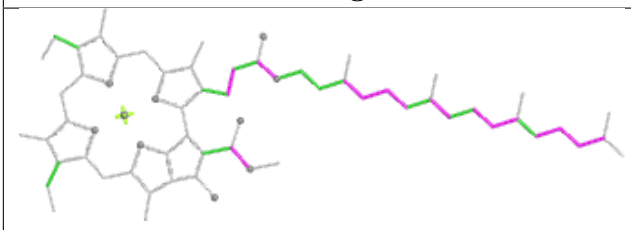
Ligand CLA G 840



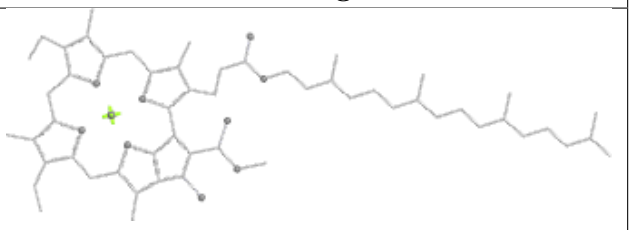
Bond lengths



Bond angles

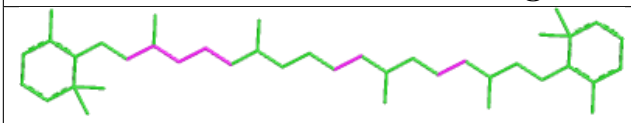


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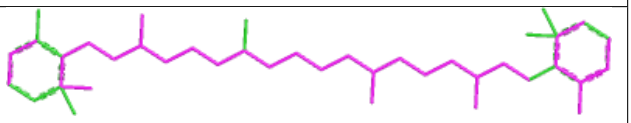


Rings

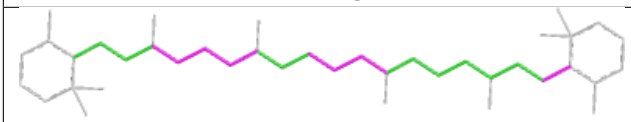
Ligand BCR Z 843



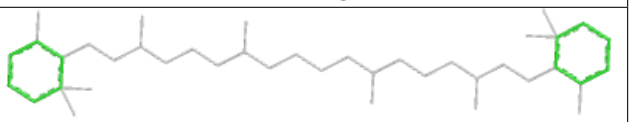
Bond lengths



Bond angles

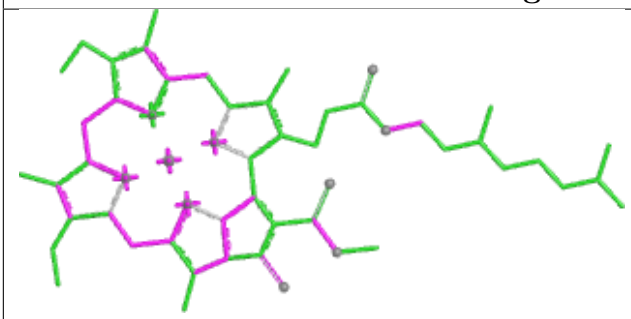


Torsions

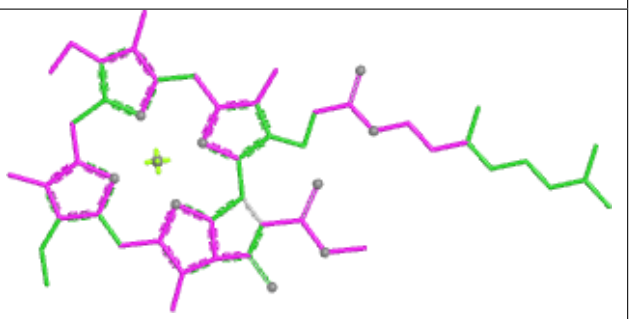


Rings

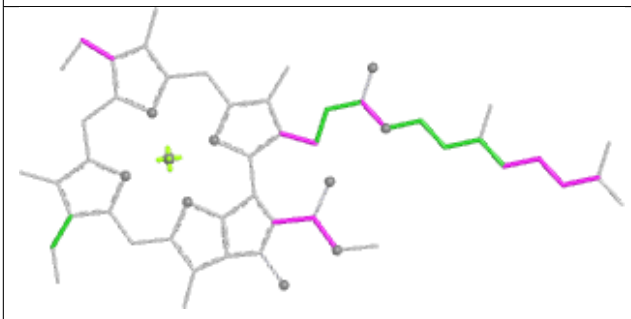
Ligand CLA H 832



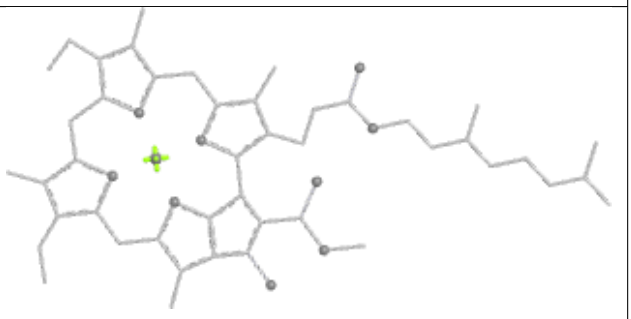
Bond lengths



Bond angles

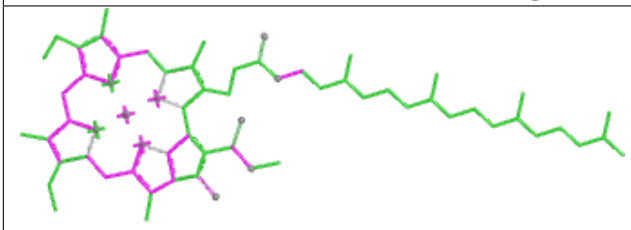


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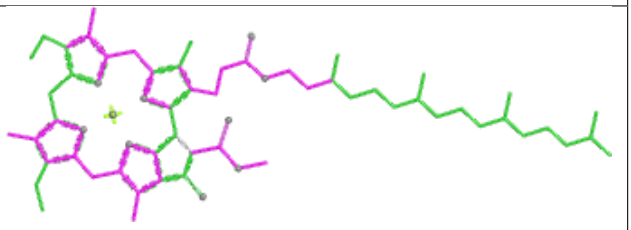


Rings

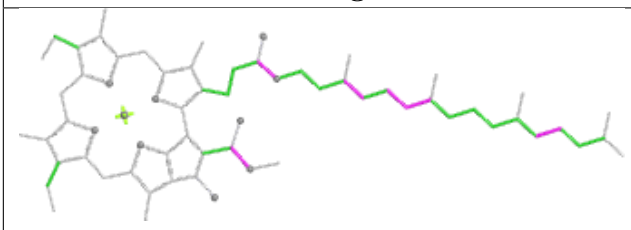
Ligand CLA L 206



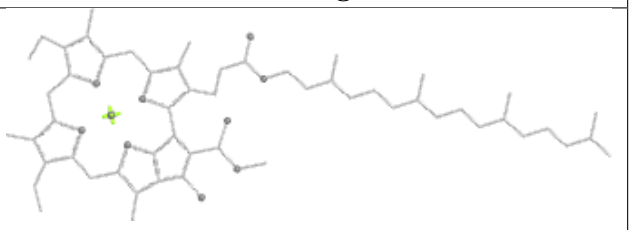
Bond lengths



Bond angles

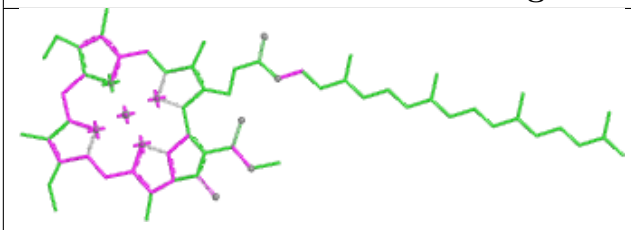


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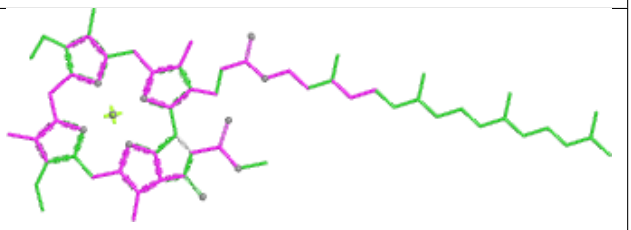


Rings

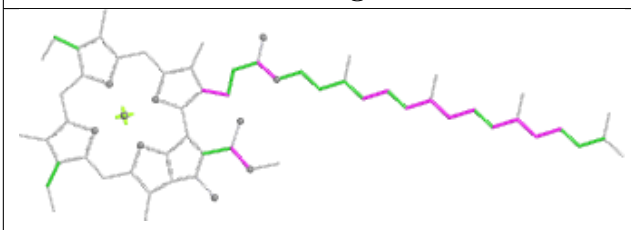
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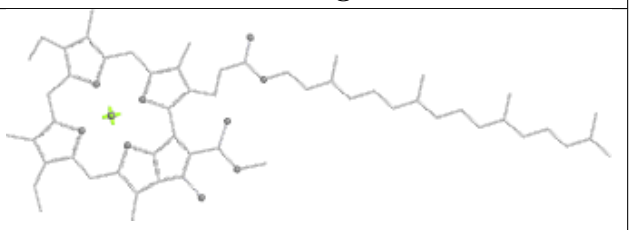
Bond lengths



Bond angles

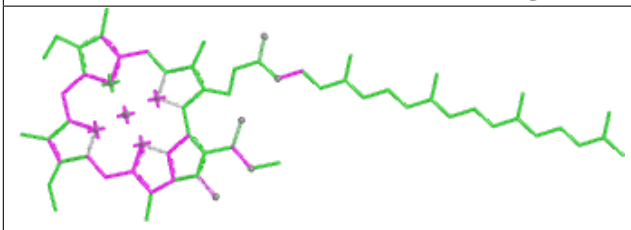


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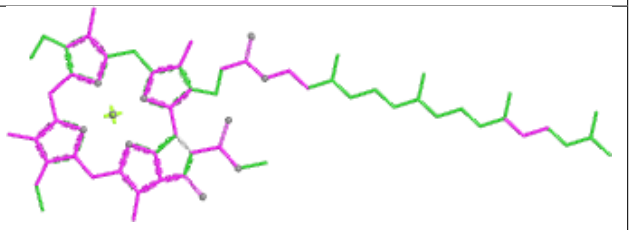


Rings

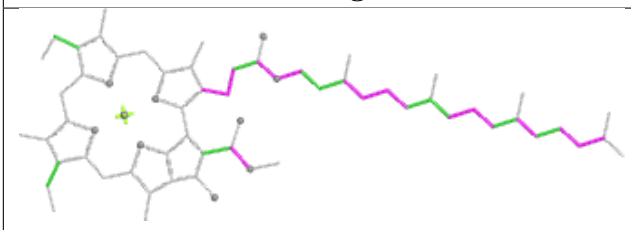
Ligand CLA B 831



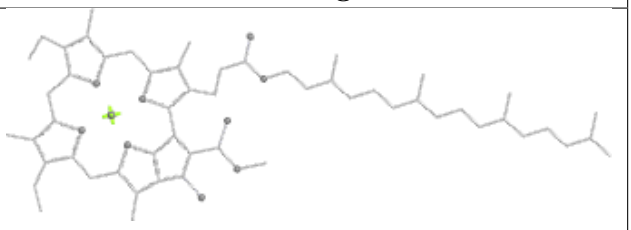
Bond lengths



Bond angles

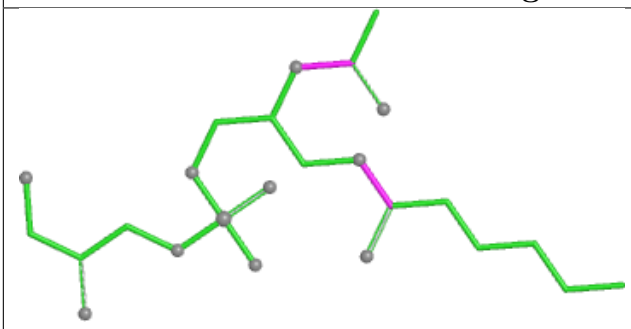


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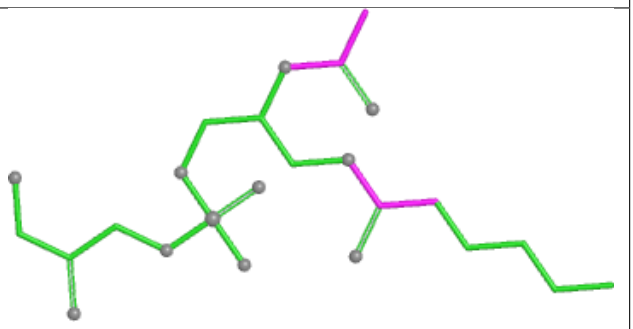


Rings

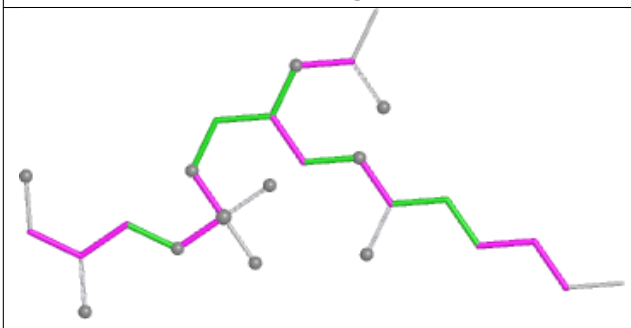
Ligand LHG Y 851



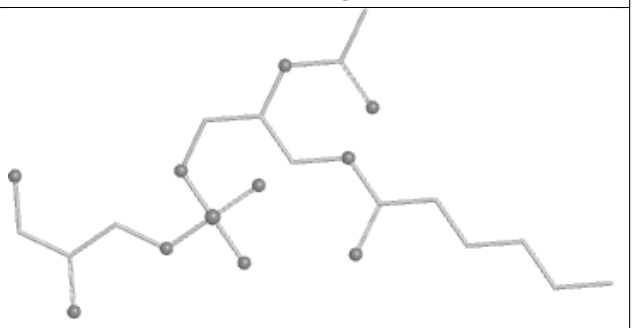
Bond lengths



Bond angles

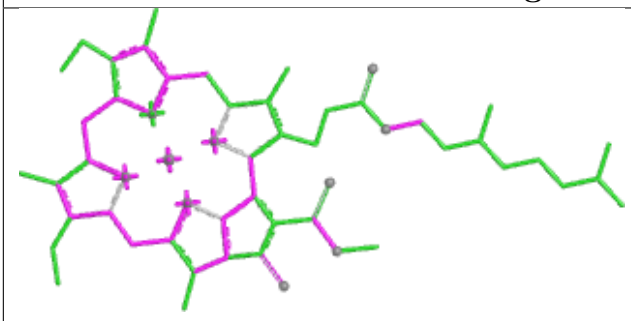


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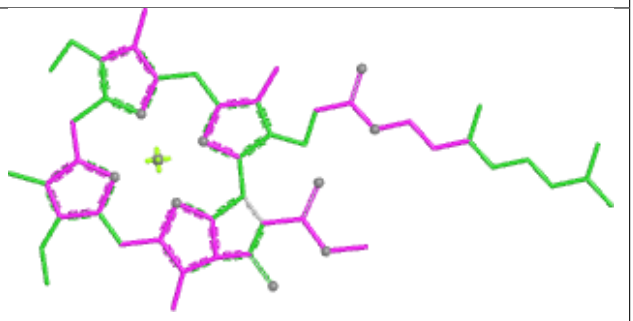


Rings

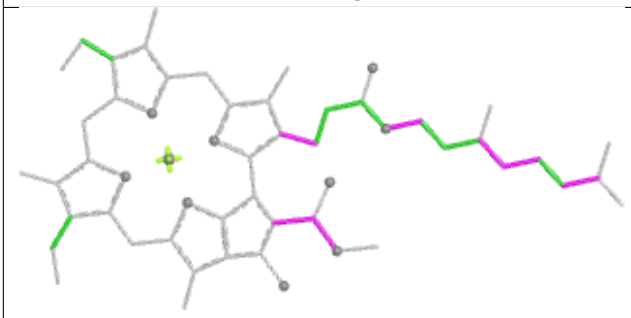
Ligand CLA B 823



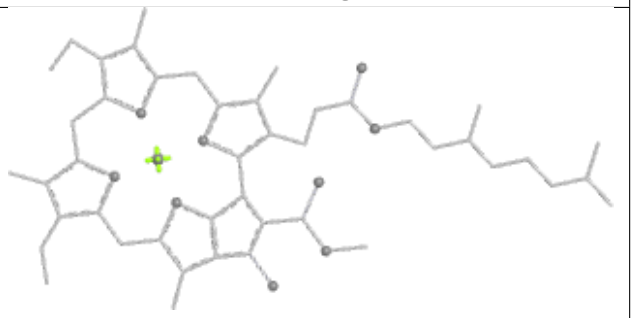
Bond lengths



Bond angles

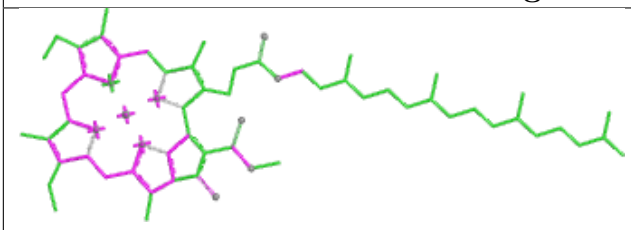


Torsions

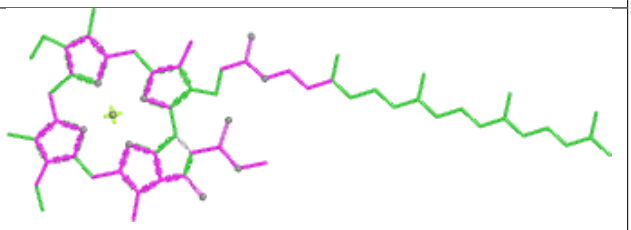


Rings

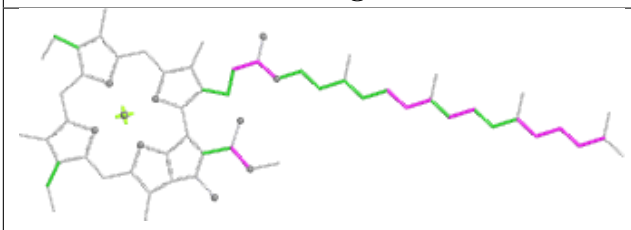
Ligand CLA A 830



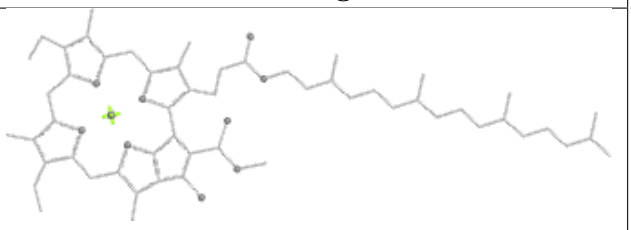
Bond lengths



Bond angles

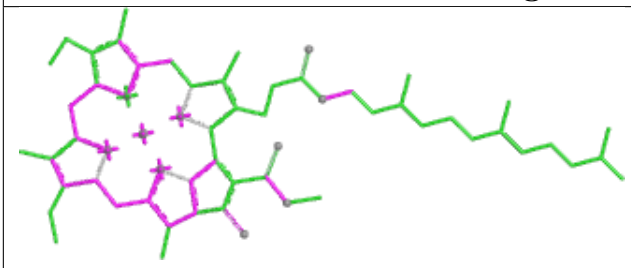


Torsions

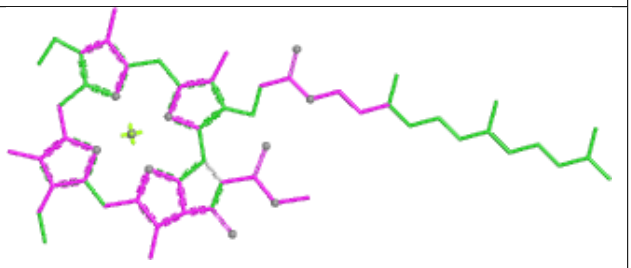


Rings

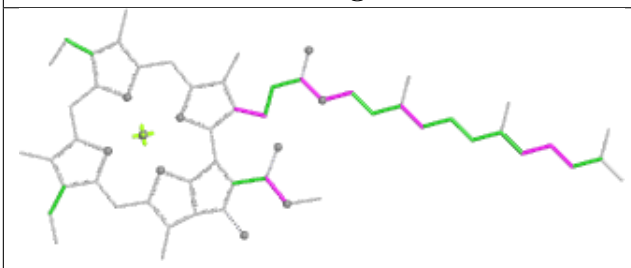
Ligand CLA G 813



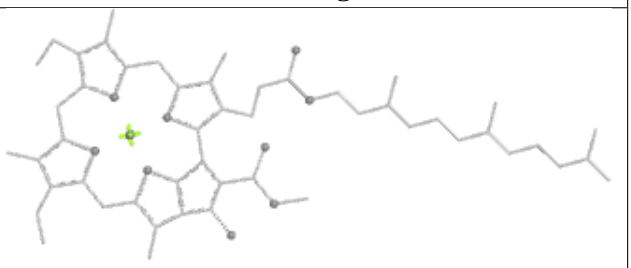
Bond lengths



Bond angles

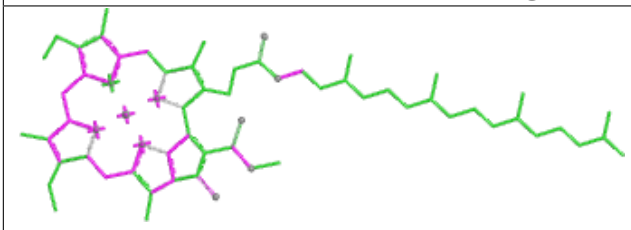


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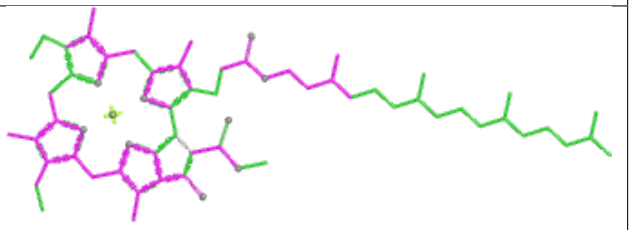


Rings

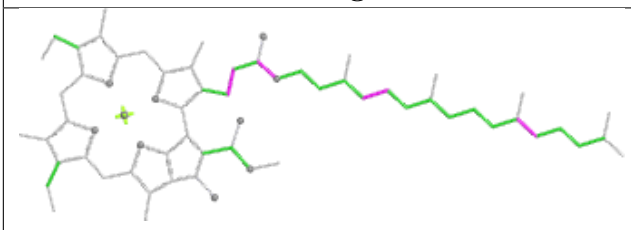
Ligand CLA H 839



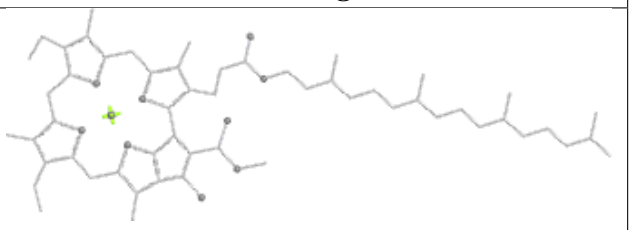
Bond lengths



Bond angles

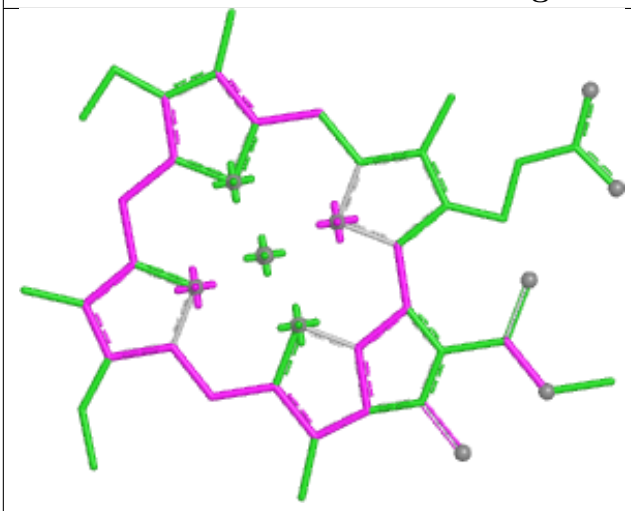


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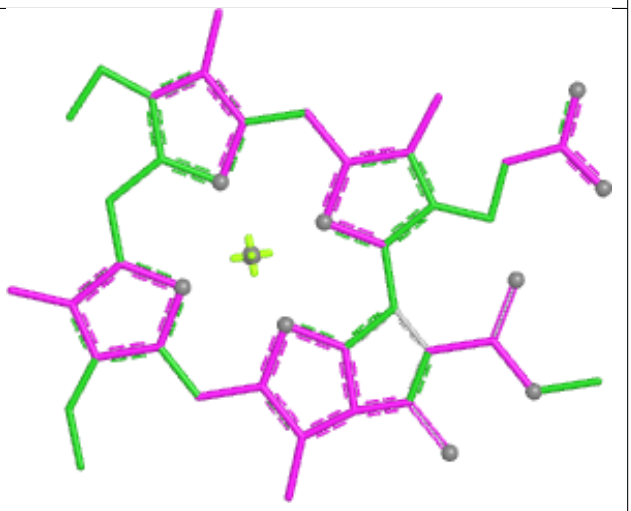


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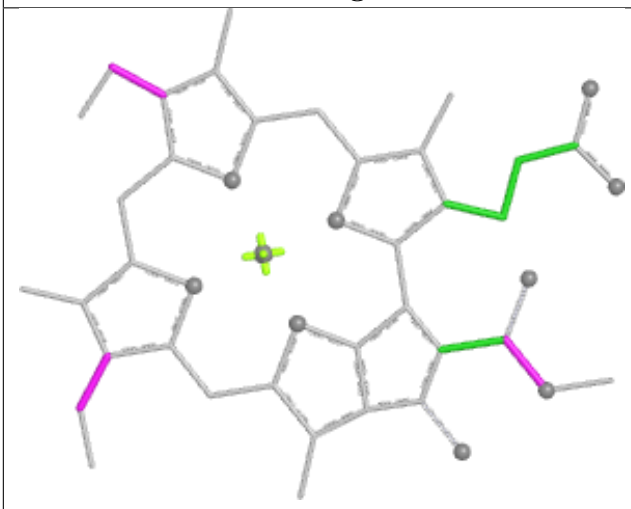
Ligand CLA f 101



Bond lengths



Bond angles

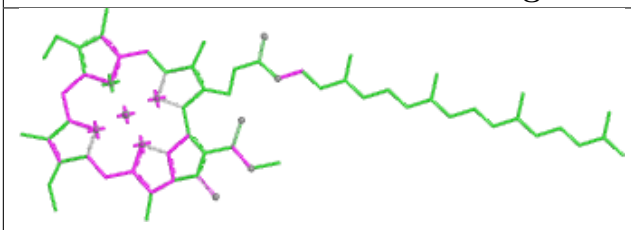


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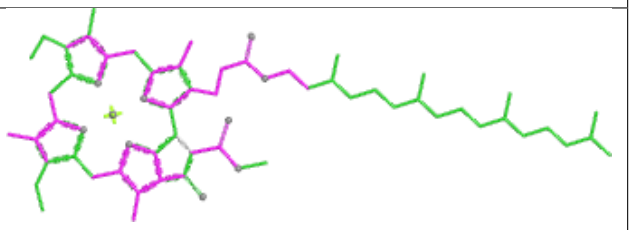


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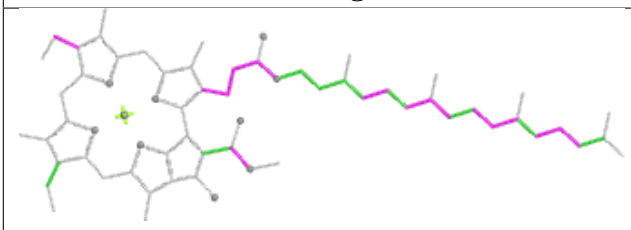
Ligand CLA G 811



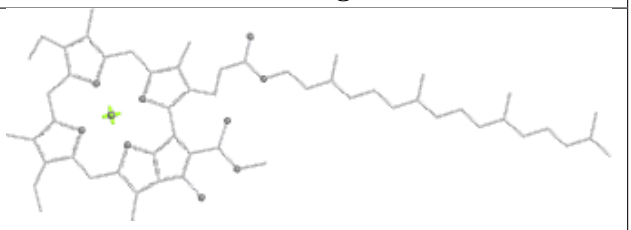
Bond lengths



Bond angles

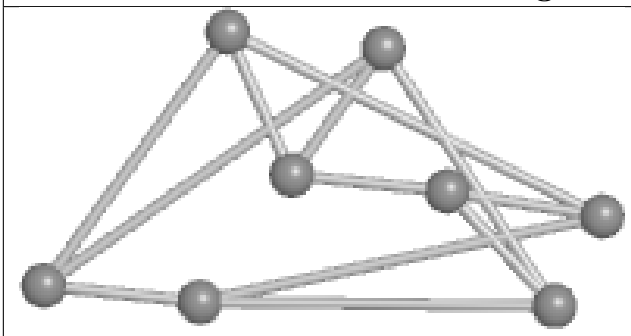


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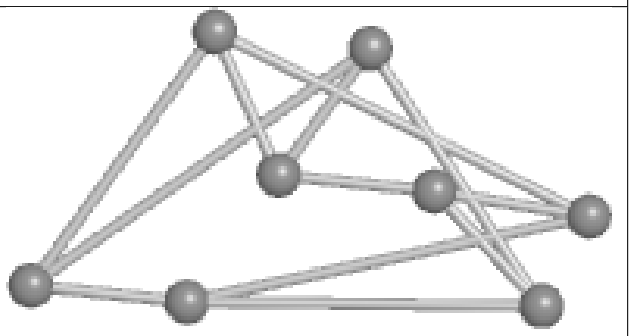


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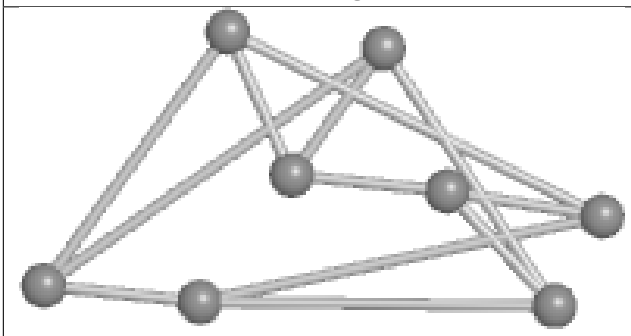
Ligand SF4 a 102



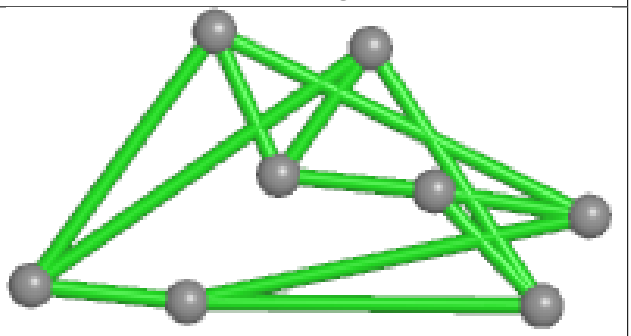
Bond lengths



Bond angles

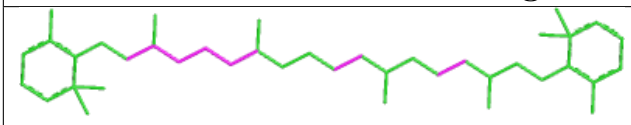


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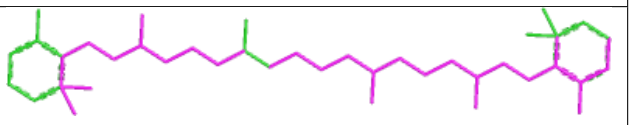


Rings

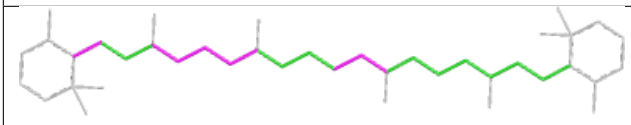
Ligand BCR A 847



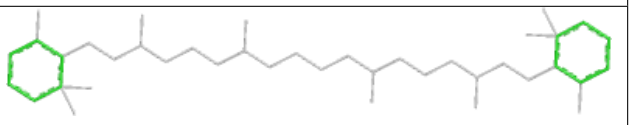
Bond lengths



Bond angles

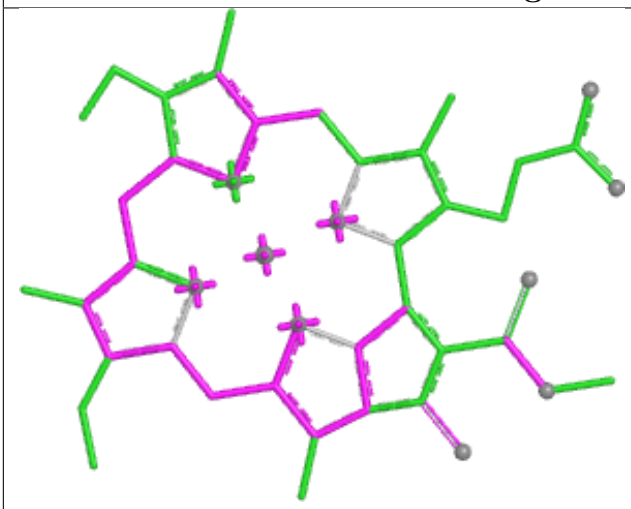


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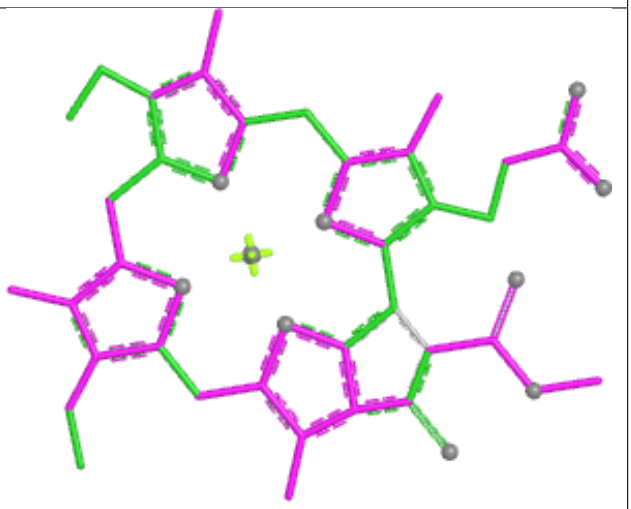


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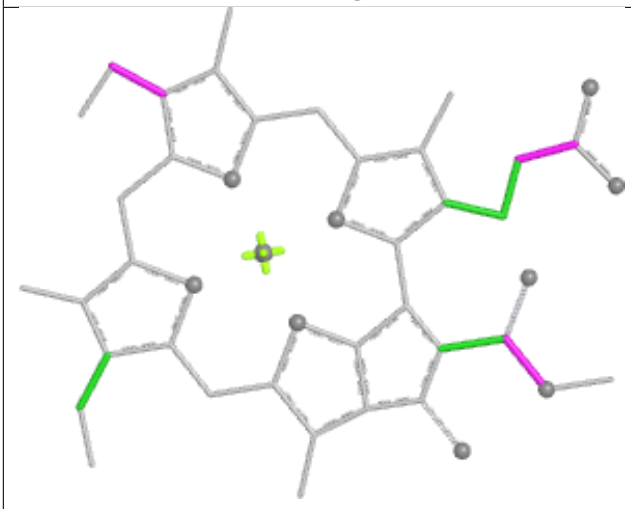
Ligand CLA B 835



Bond lengths



Bond angles

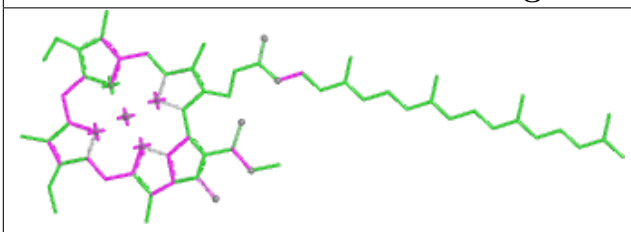


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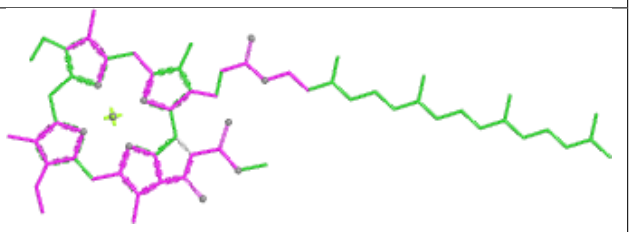


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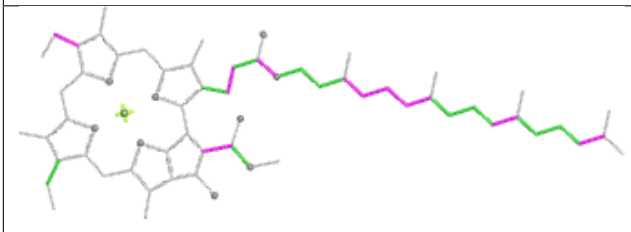
Ligand CLA A 854



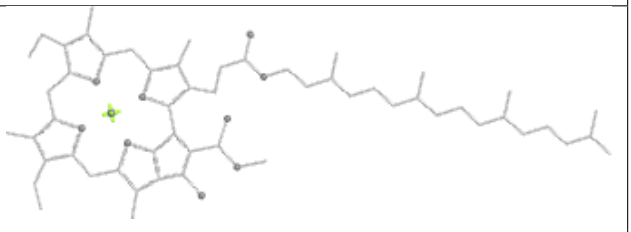
Bond lengths



Bond angles

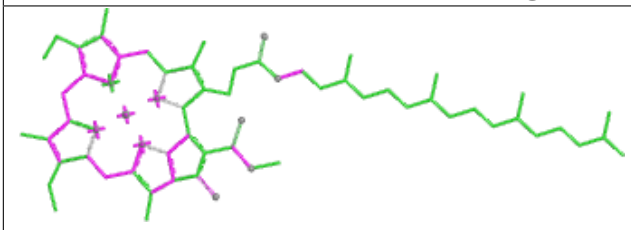


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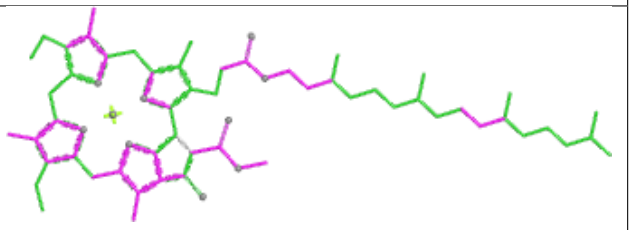


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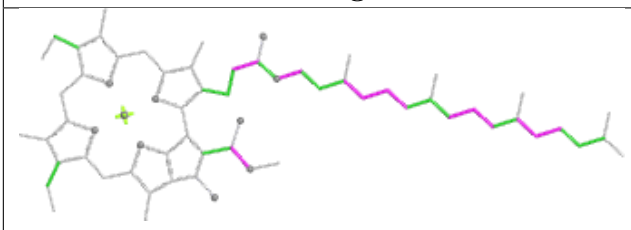
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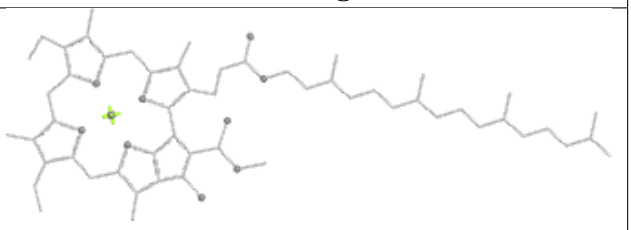
Bond lengths



Bond angles

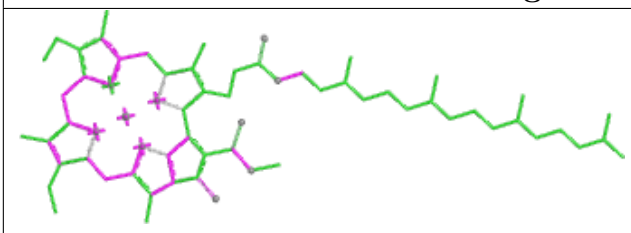


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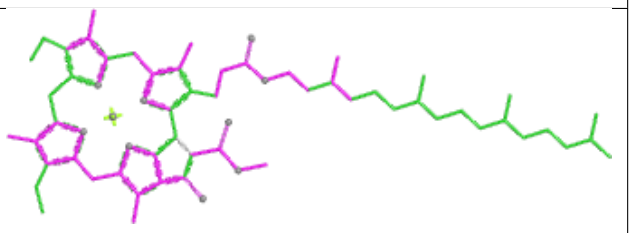


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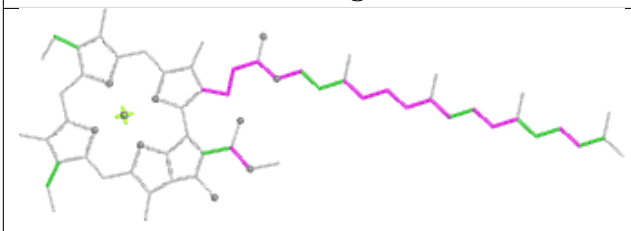
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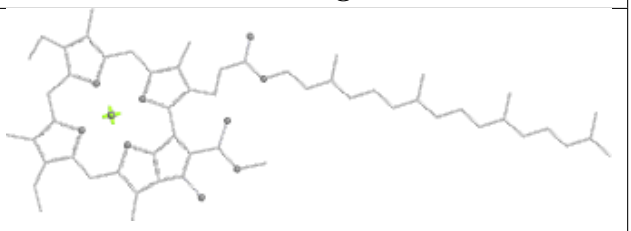
Bond lengths



Bond angles

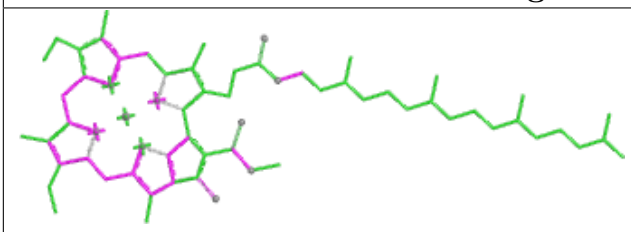


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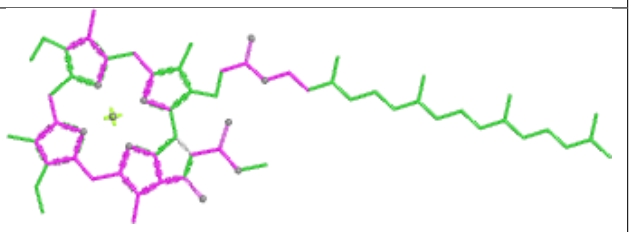


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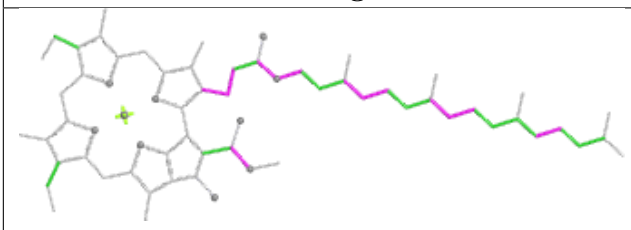
Ligand CLA h 206



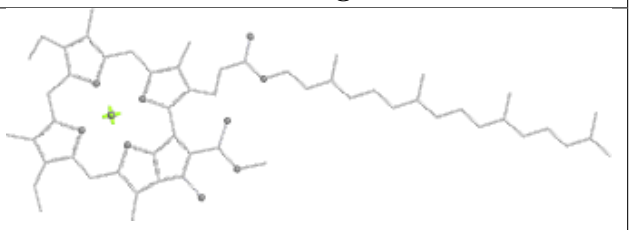
Bond lengths



Bond angles

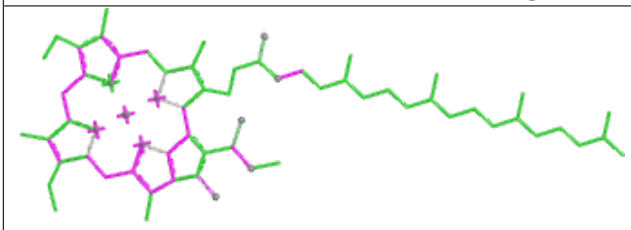


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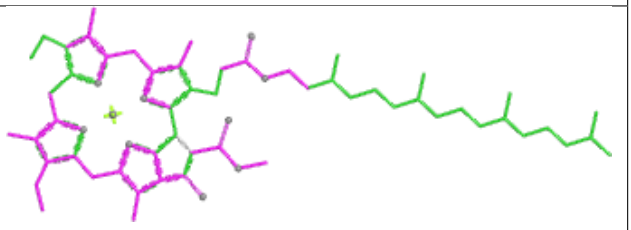


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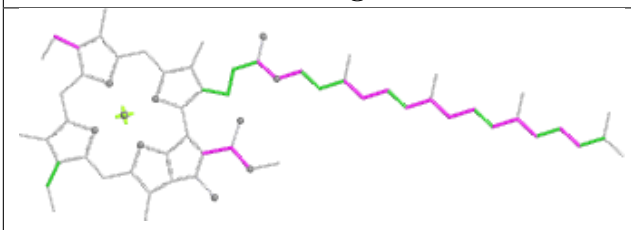
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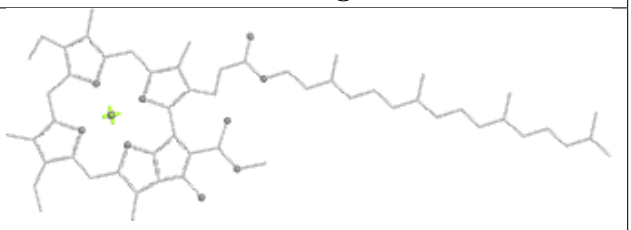
Bond lengths



Bond angles

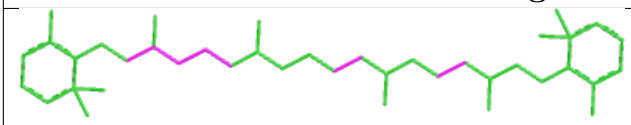


Torsions



Rings

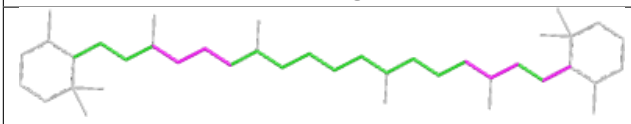
Ligand BCR I 102



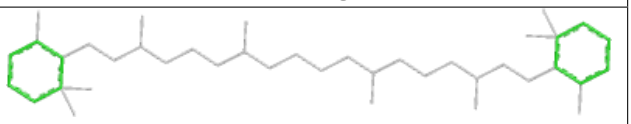
Bond lengths



Bond angles

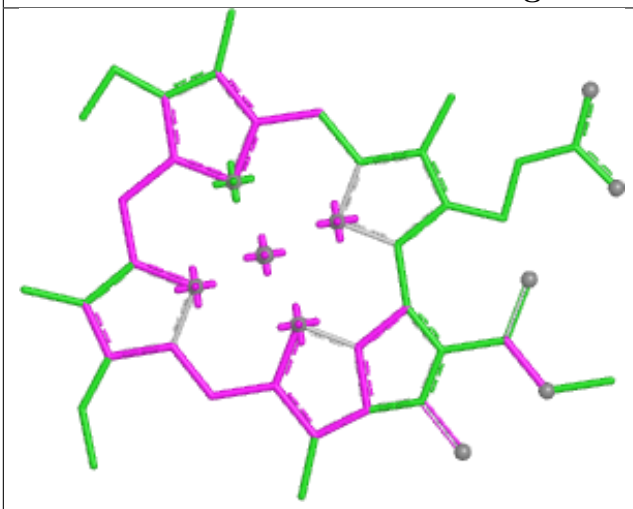


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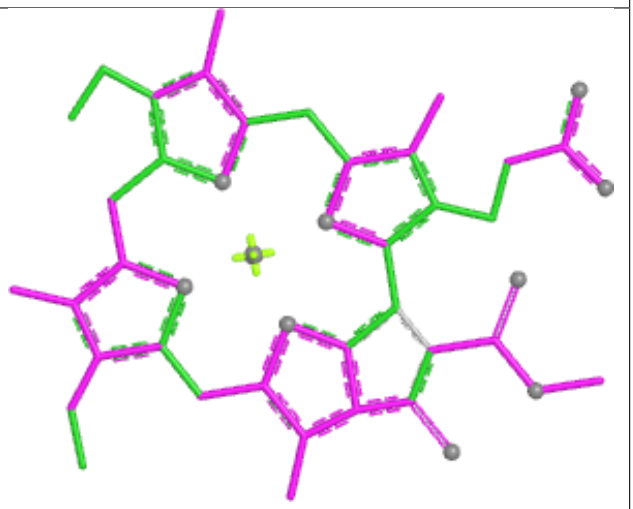


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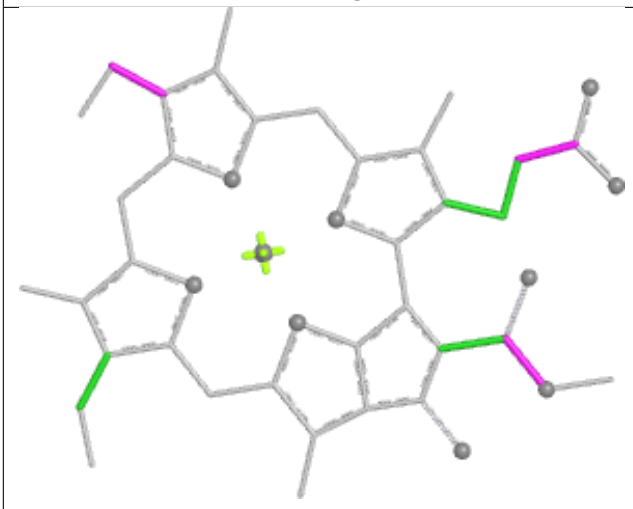
Ligand CLA A 811



Bond lengths



Bond angles

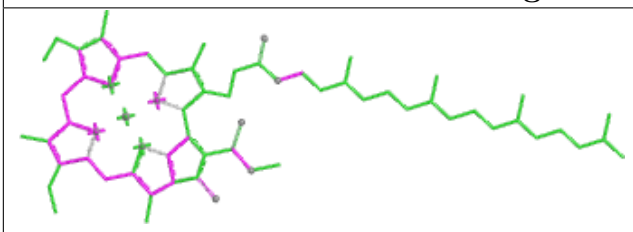


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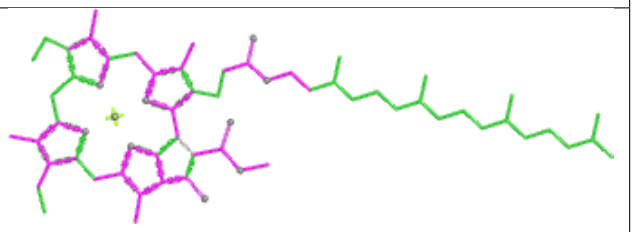


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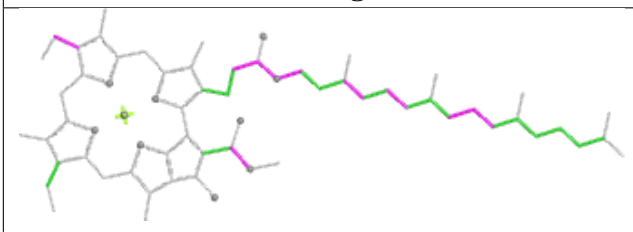
Ligand CLA H 837



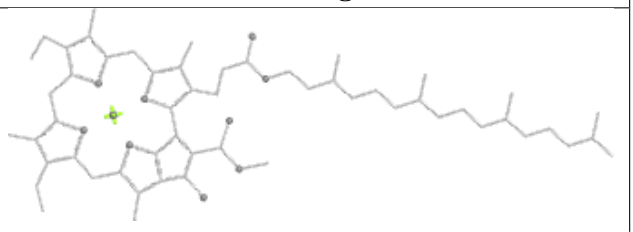
Bond lengths



Bond angles

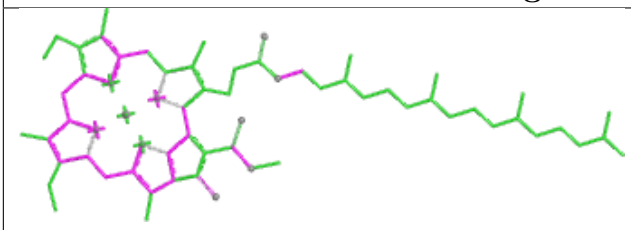


Torsions

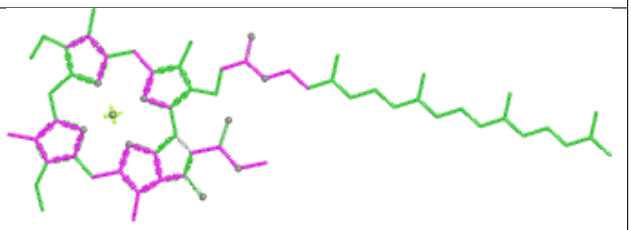


Rings

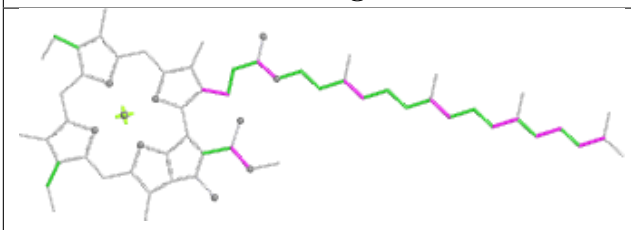
Ligand CLA A 822



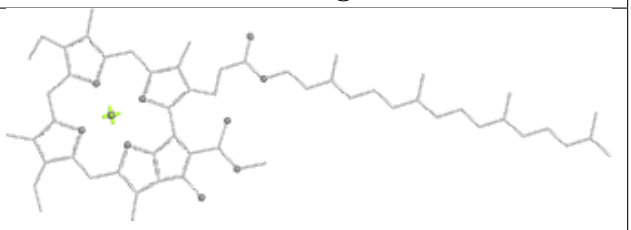
Bond lengths



Bond angles

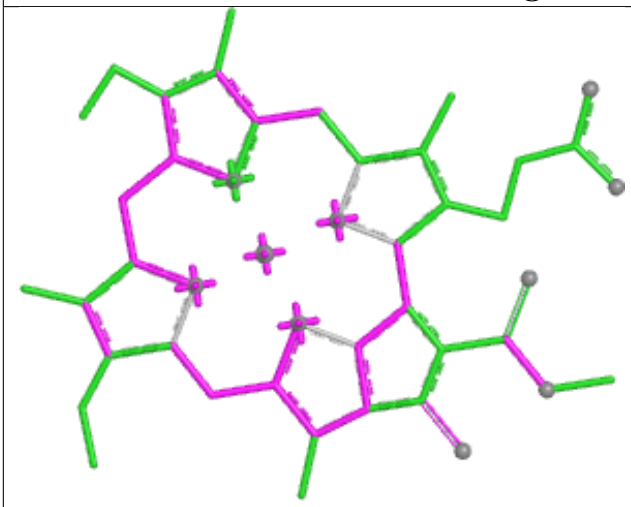


Torsions

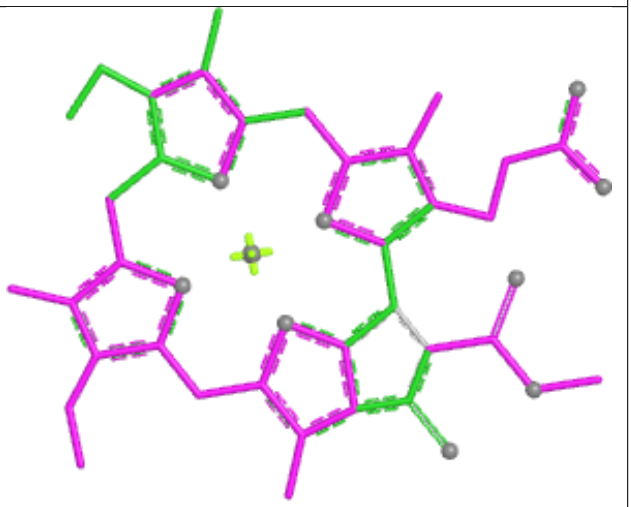


Rings

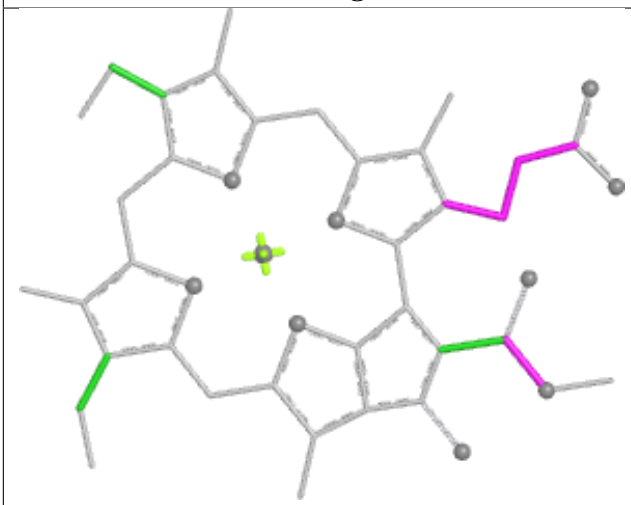
Ligand CLA H 815



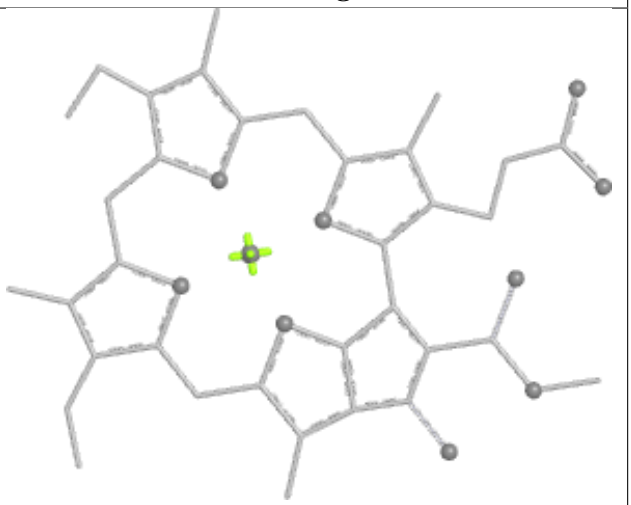
Bond lengths



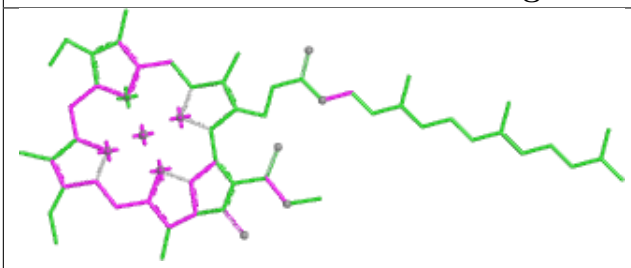
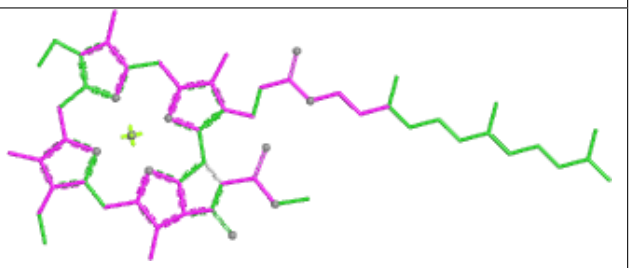
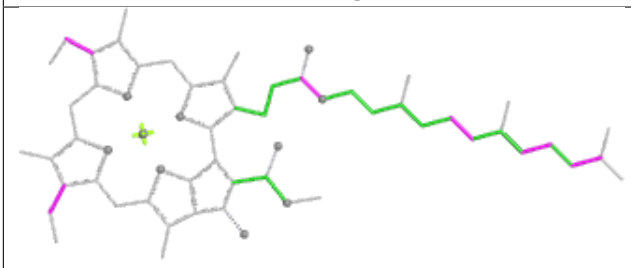
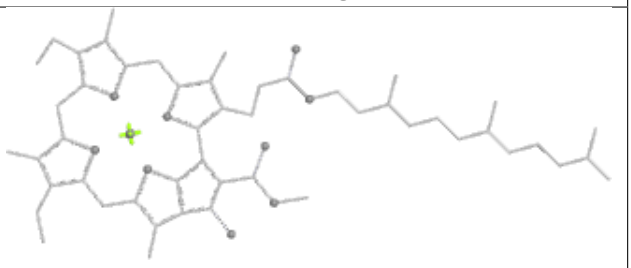
Bond angles

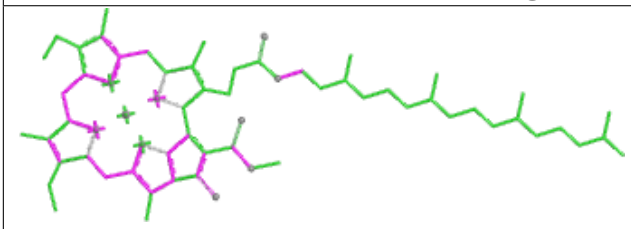
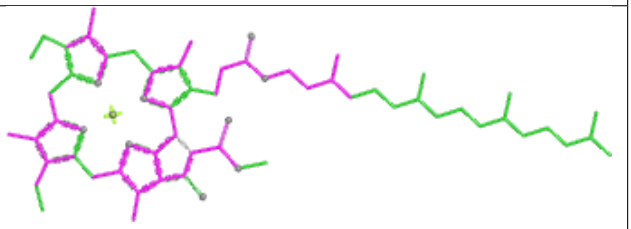
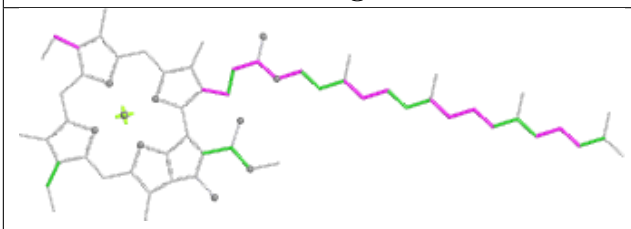
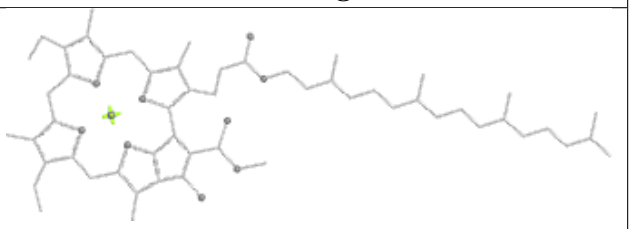


Torsions

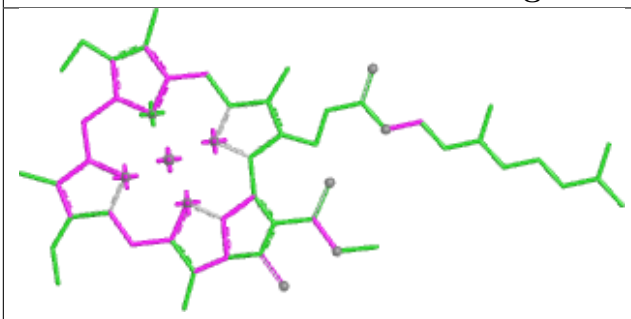


Rings

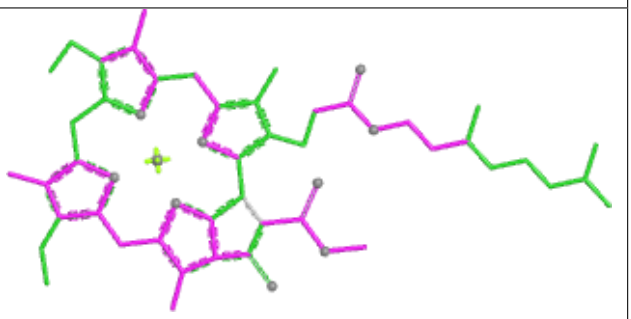
Ligand CLA G 826	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA Y 805	
 Bond lengths	 Bond angles
 Torsions	 Rings

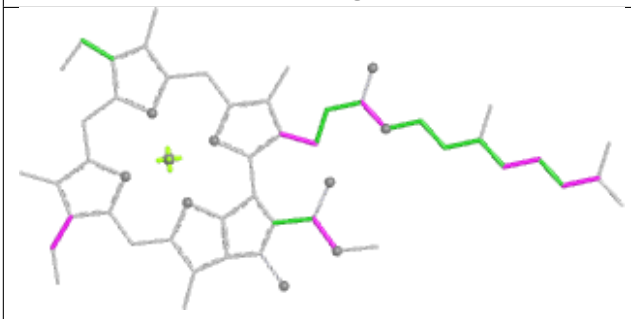
Ligand CLA A 834



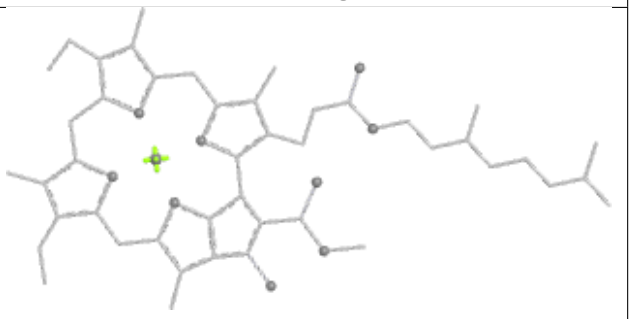
Bond lengths



Bond angles

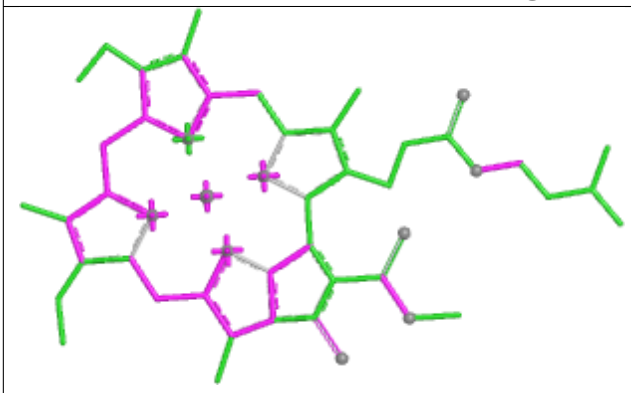


Torsions

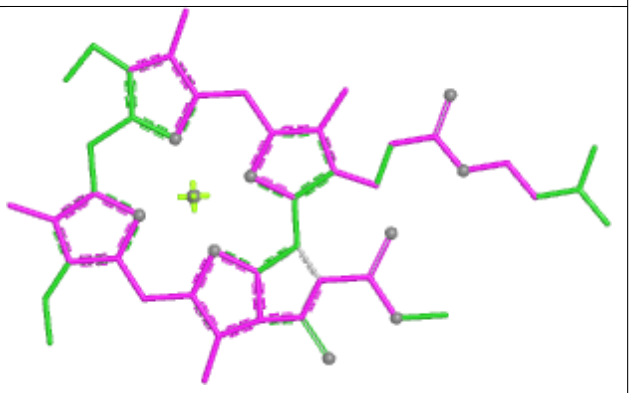


Rings

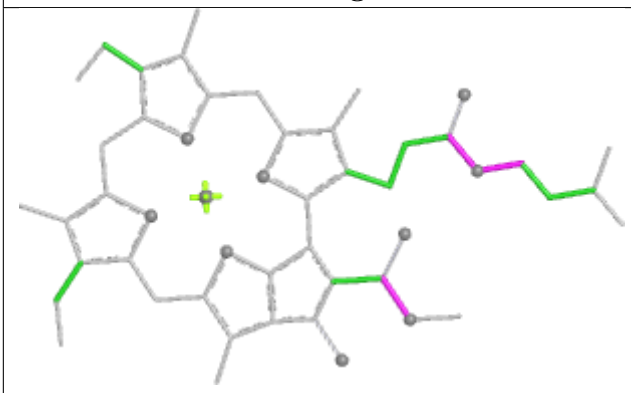
Ligand CLA A 816



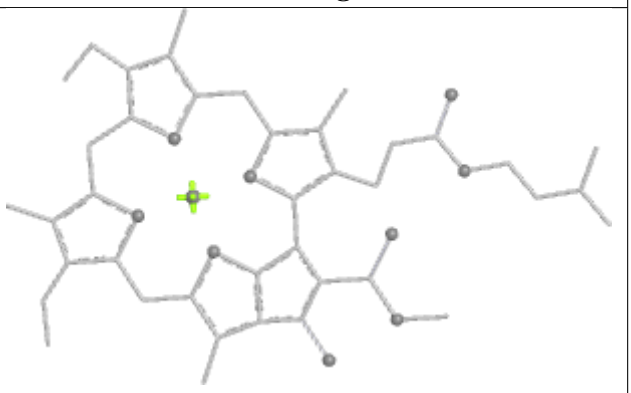
Bond lengths



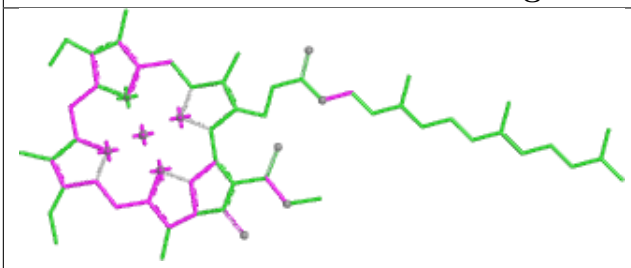
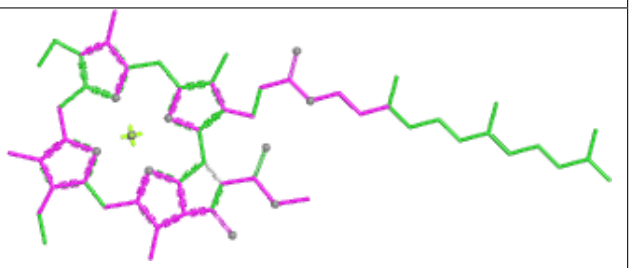
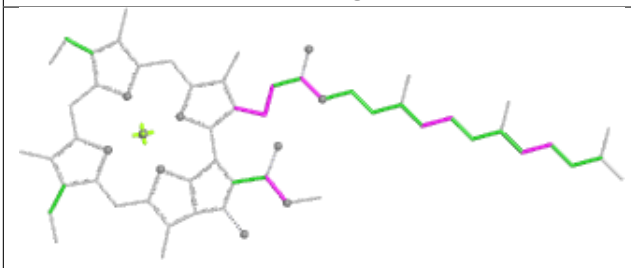
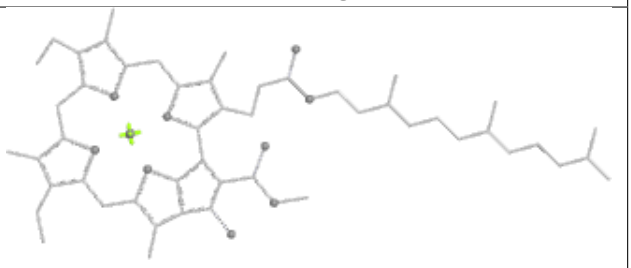
Bond angles

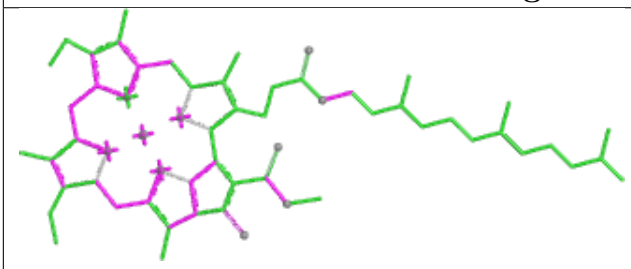
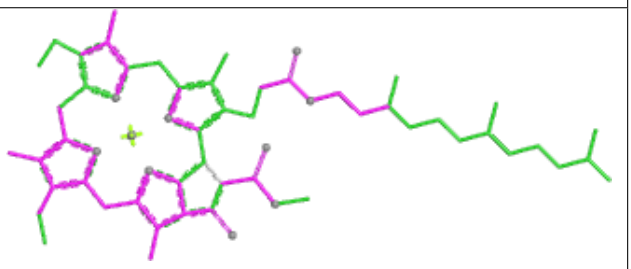
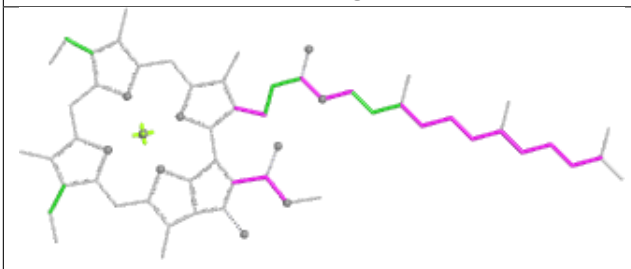
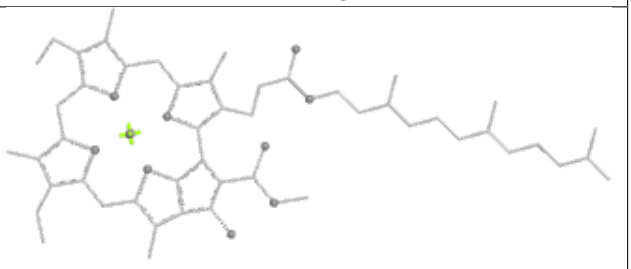


Torsions

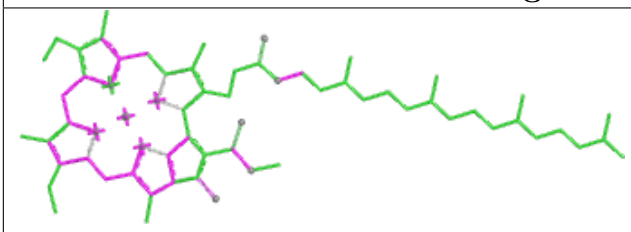


Rings

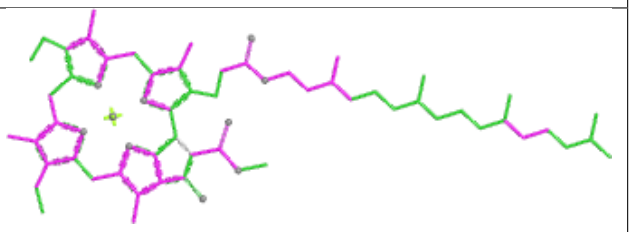
Ligand CLA Y 813	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA H 836	
 Bond lengths	 Bond angles
 Torsions	 Rings

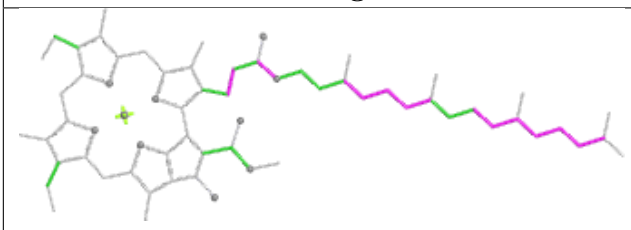
Ligand CLA Y 836



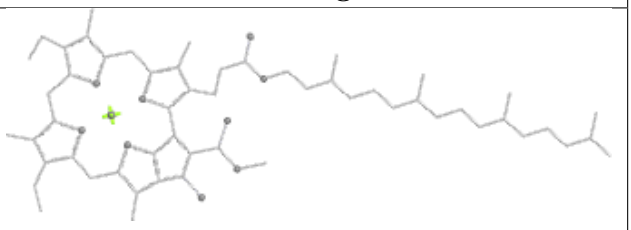
Bond lengths



Bond angles

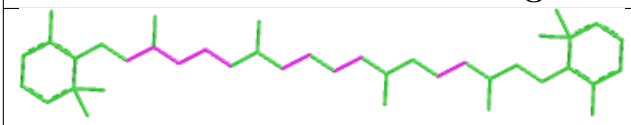


Torsions



Rings

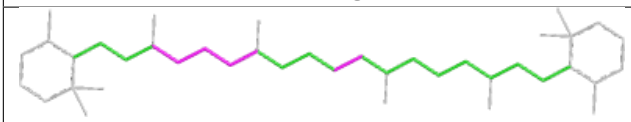
Ligand BCR h 202



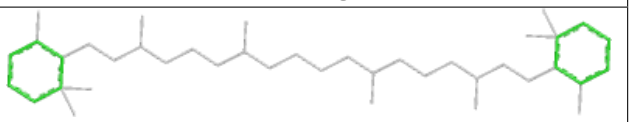
Bond lengths



Bond angles

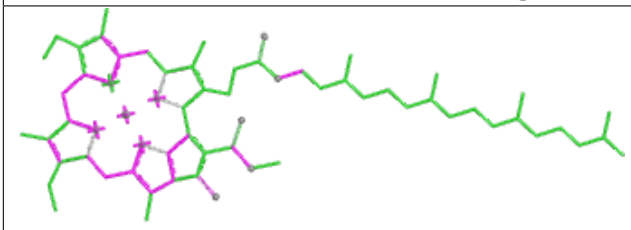


Torsions

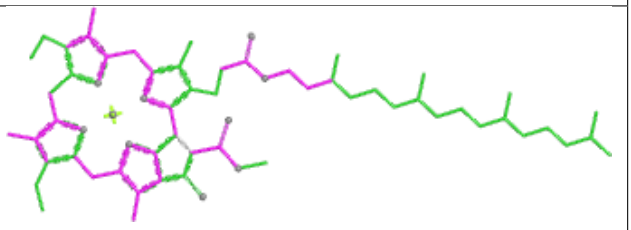


Rings

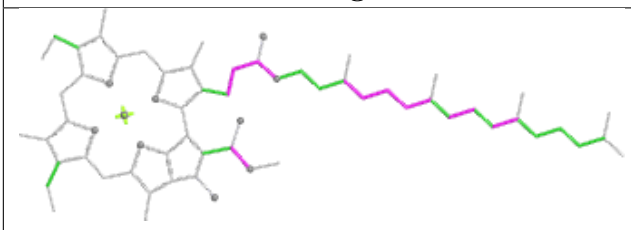
Ligand CLA U 1004



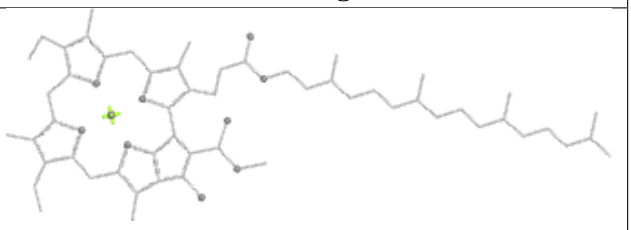
Bond lengths



Bond angles

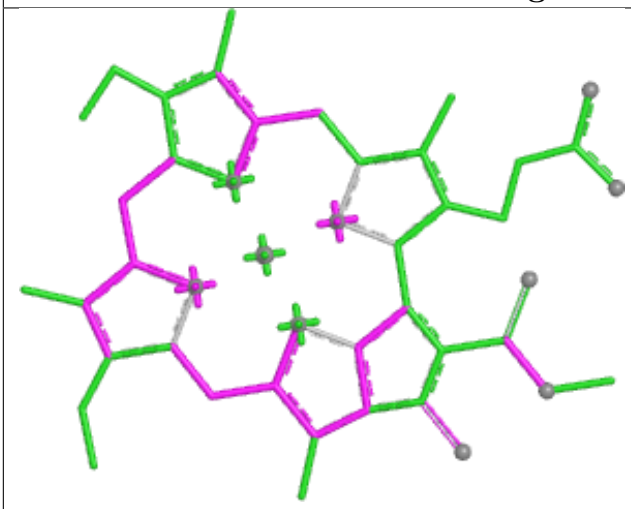


Torsions

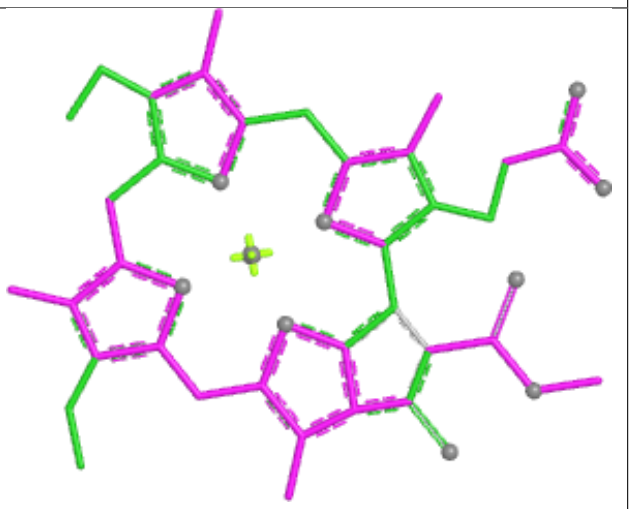


Rings

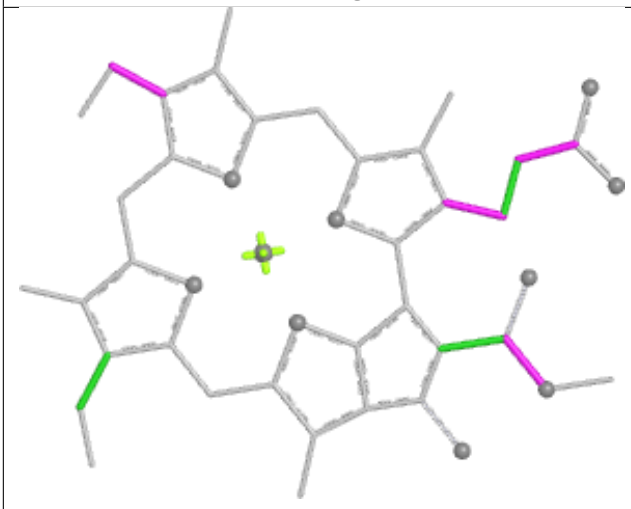
Ligand CLA J 101



Bond lengths



Bond angles

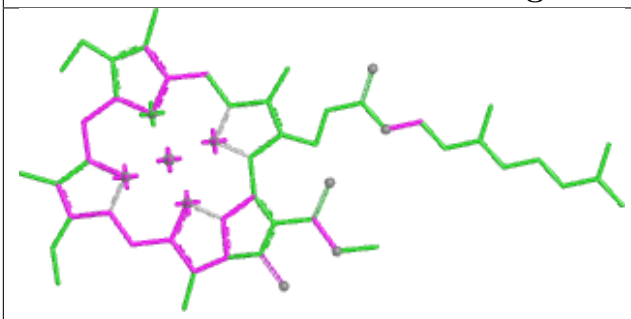


Torsions

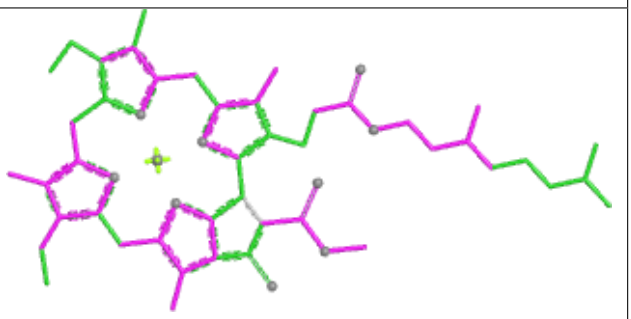


Rings

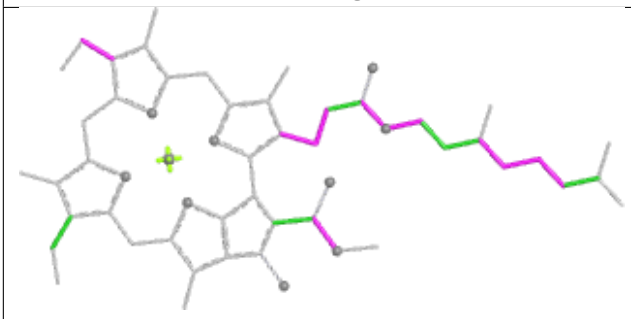
Ligand CLA Z 812



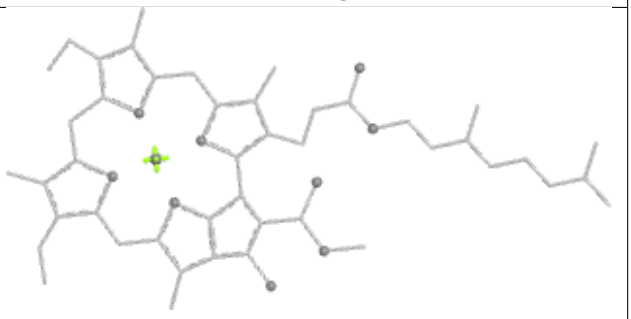
Bond lengths



Bond angles

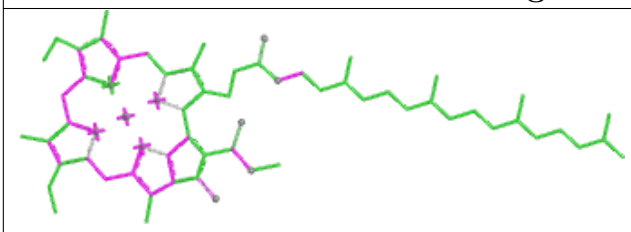


Torsions

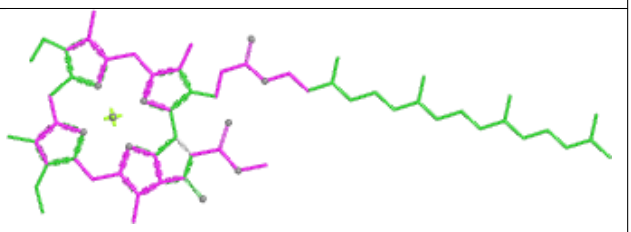


Rings

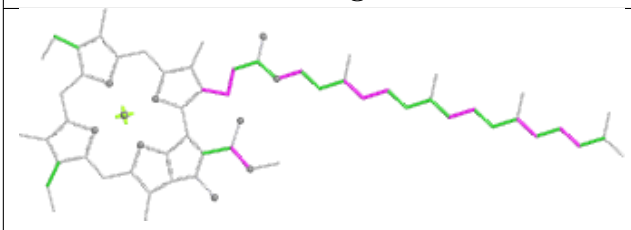
Ligand CLA d 201



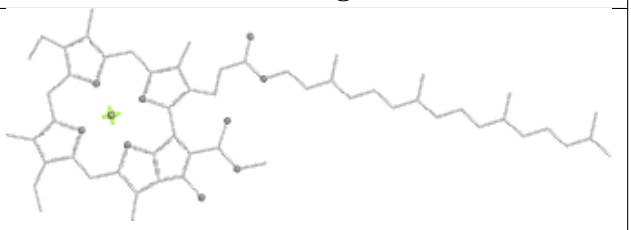
Bond lengths



Bond angles

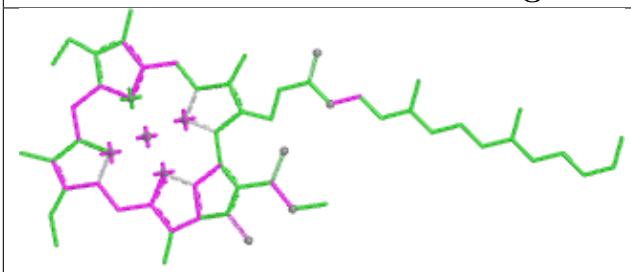


Torsions

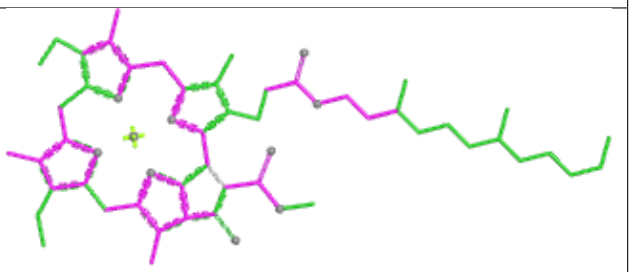


Rings

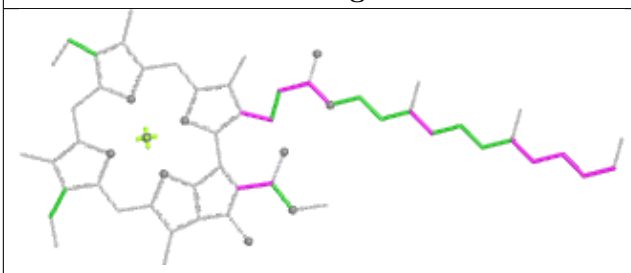
Ligand CLA A 805



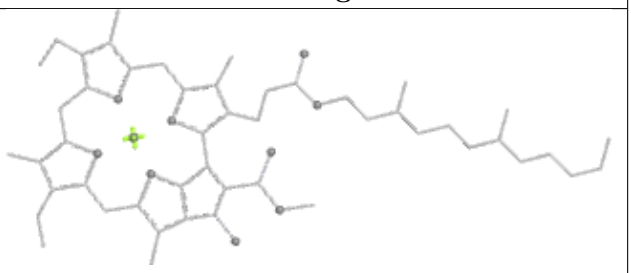
Bond lengths



Bond angles

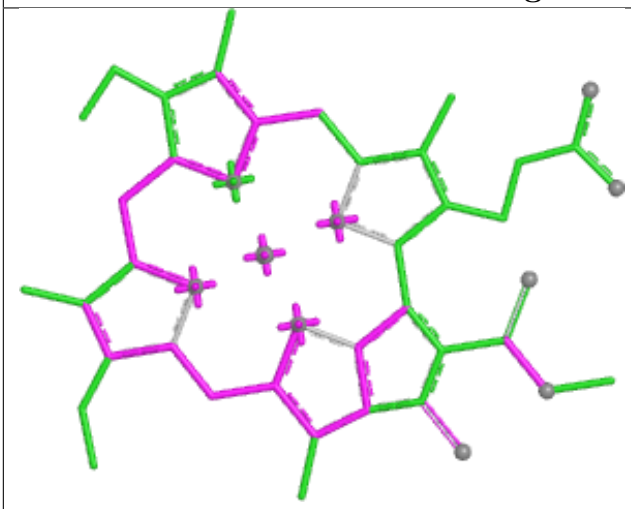


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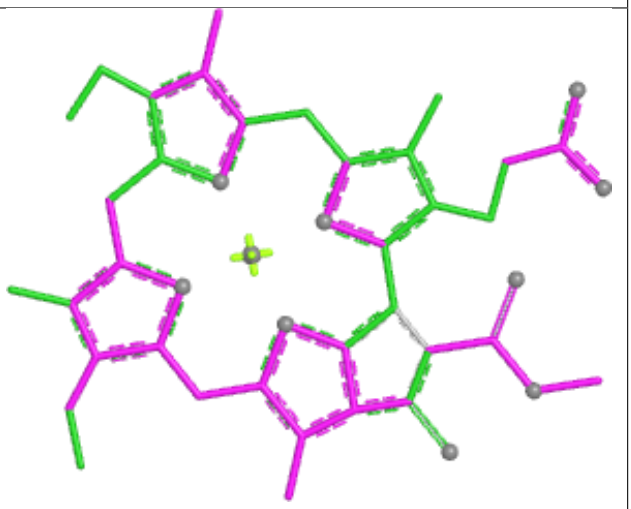


Rings

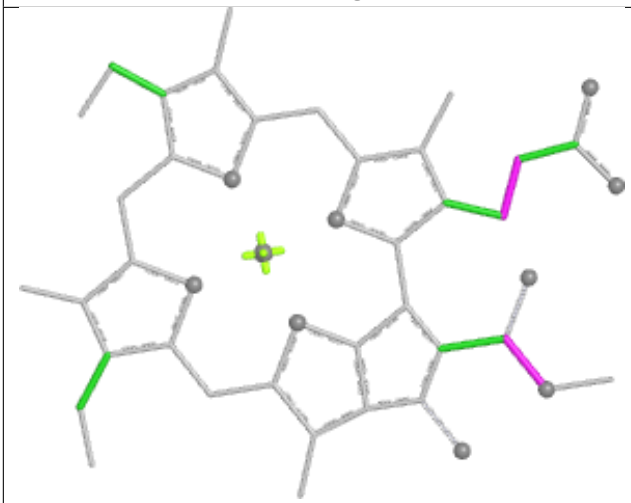
Ligand CLA B 830



Bond lengths



Bond angles

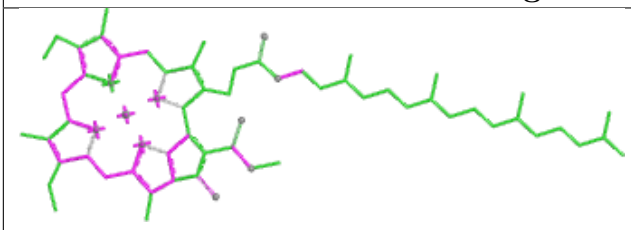


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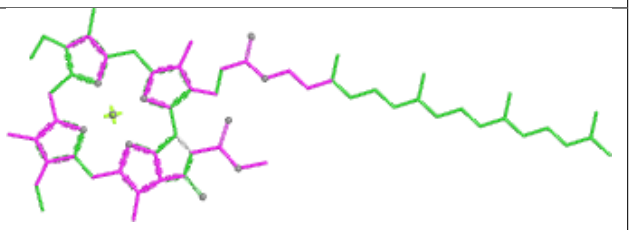


Rings

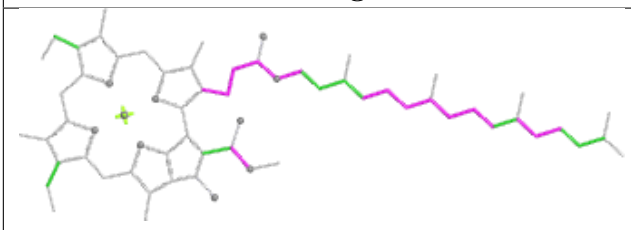
Ligand CLA H 813



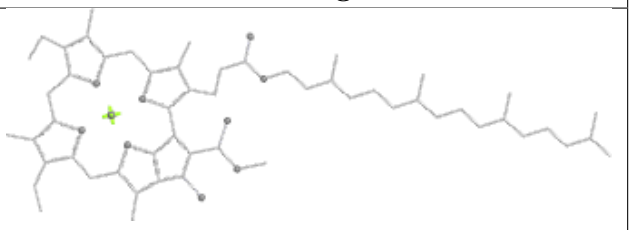
Bond lengths



Bond angles

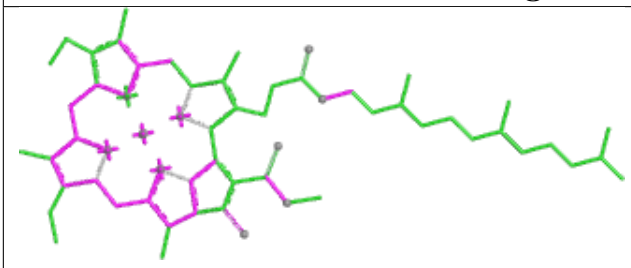


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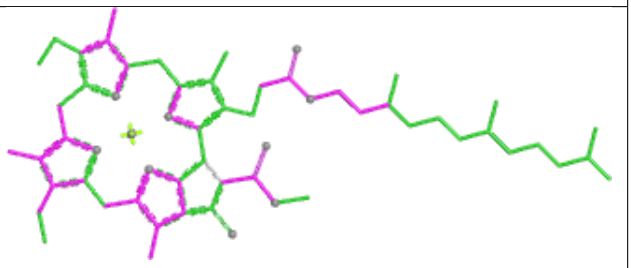


Rings

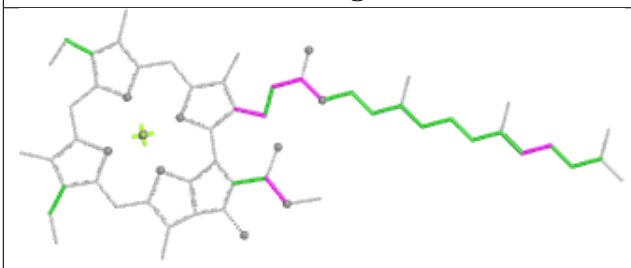
Ligand CLA B 817



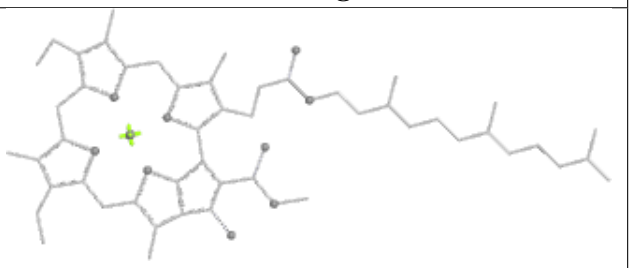
Bond lengths



Bond angles

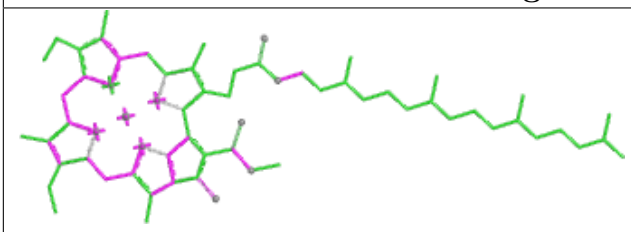


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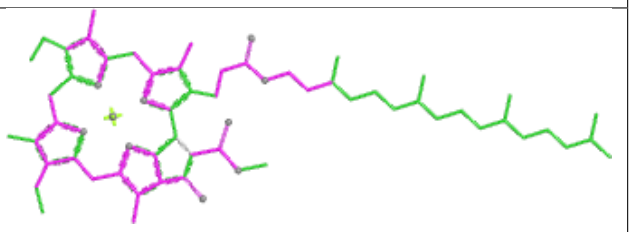


Rings

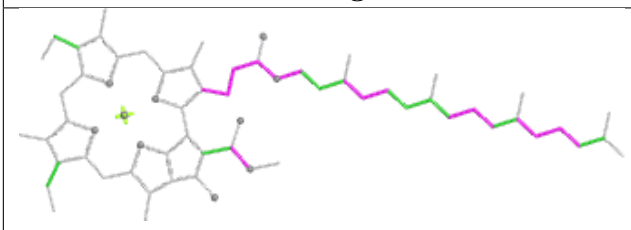
Ligand CLA G 818



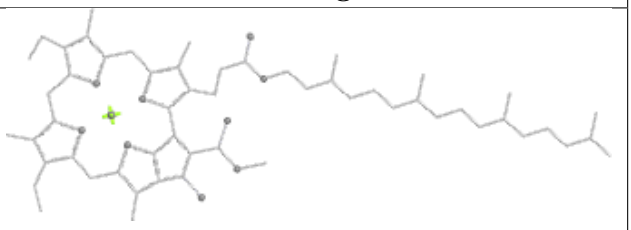
Bond lengths



Bond angles

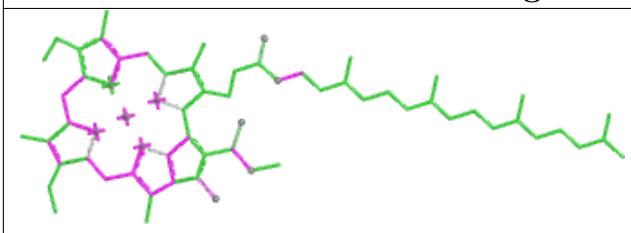


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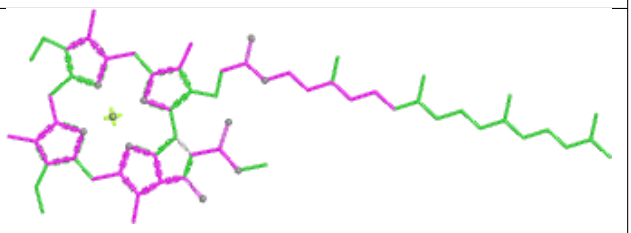


Rings

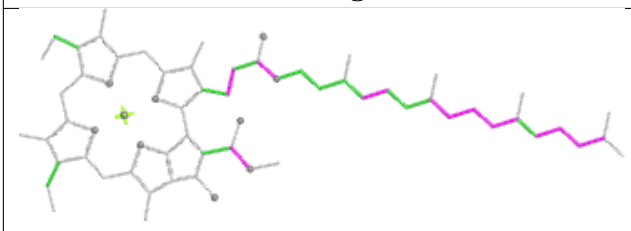
Ligand CLA H 817



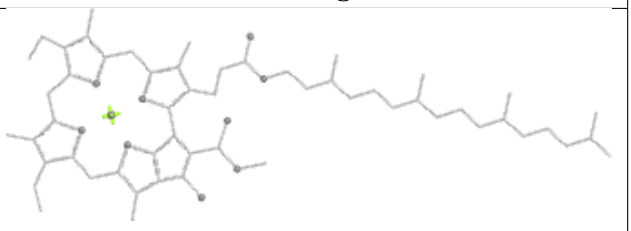
Bond lengths



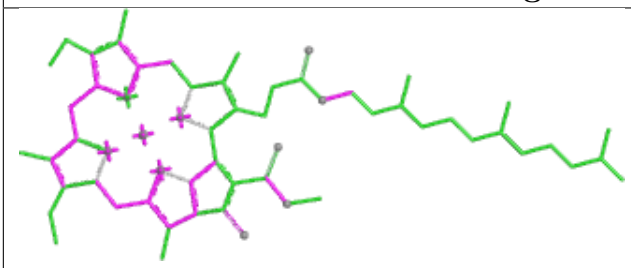
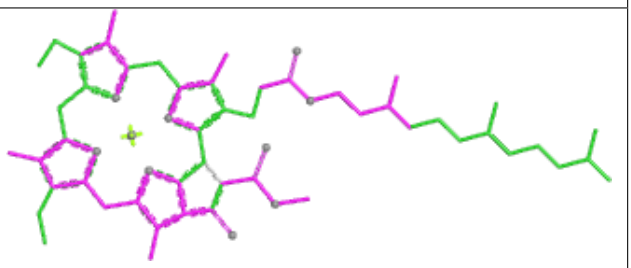
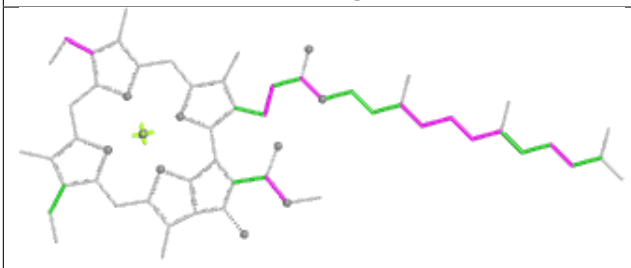
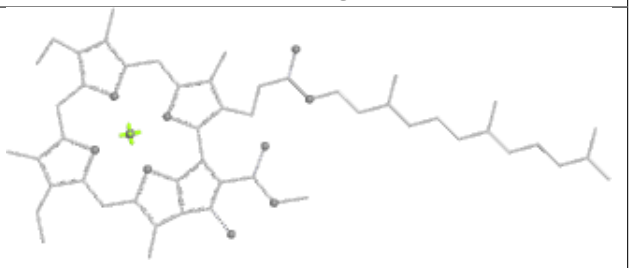
Bond angles

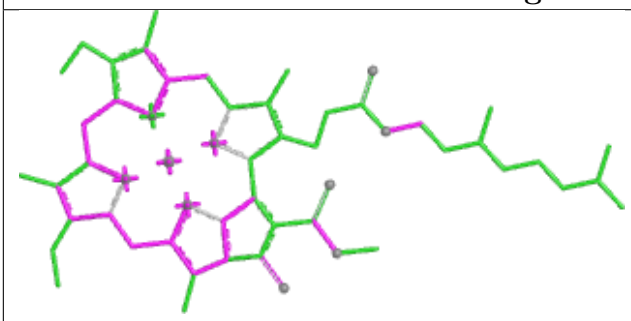
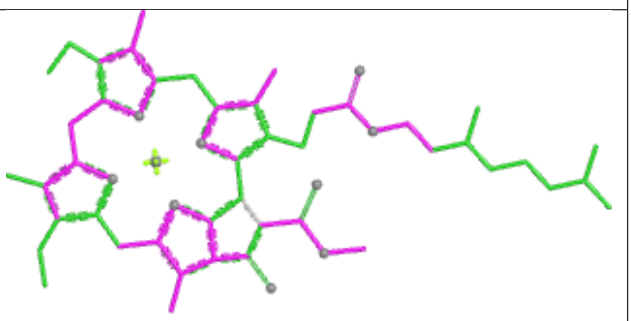
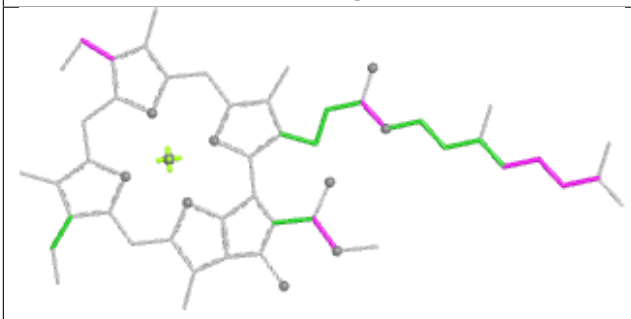
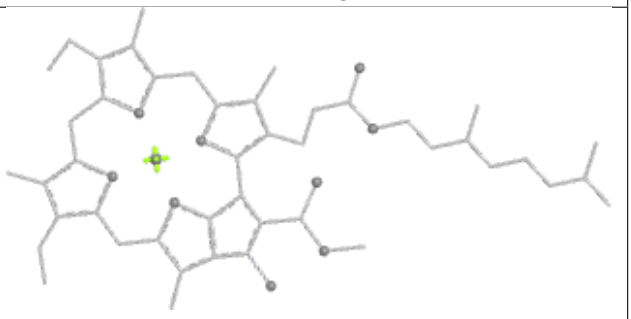


Torsions

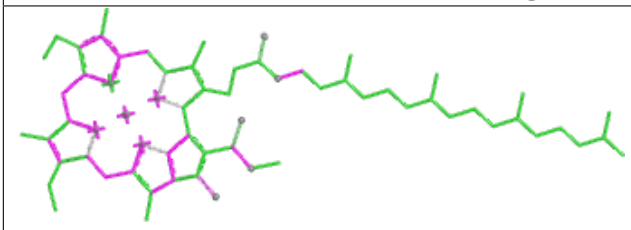


Rings

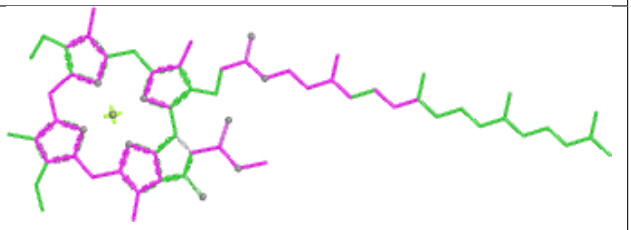
Ligand CLA A 818	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 815	
	
Bond lengths	Bond angles
	
Torsions	Rings

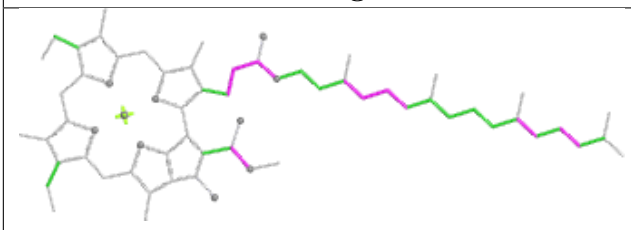
Ligand CLA G 841



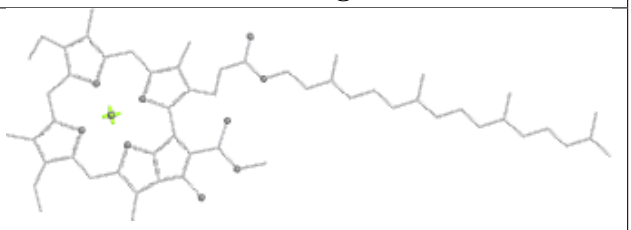
Bond lengths



Bond angles

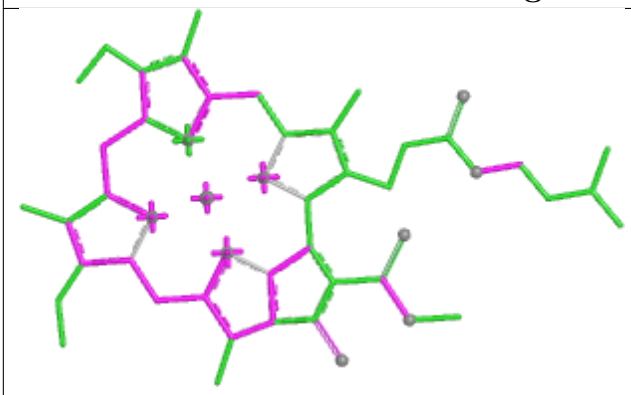


Torsions

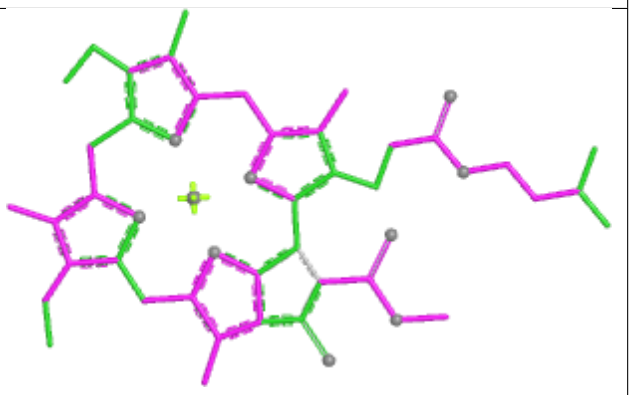


Rings

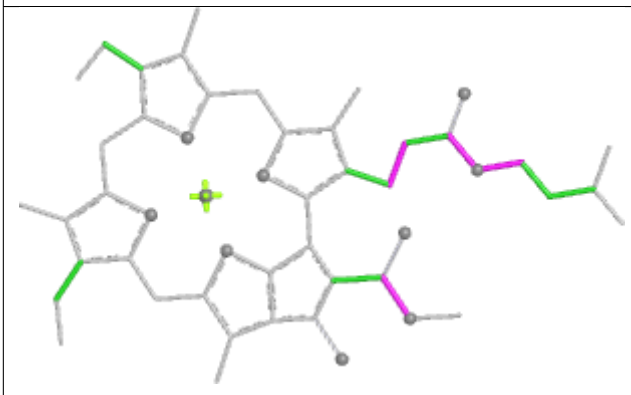
Ligand CLA B 811



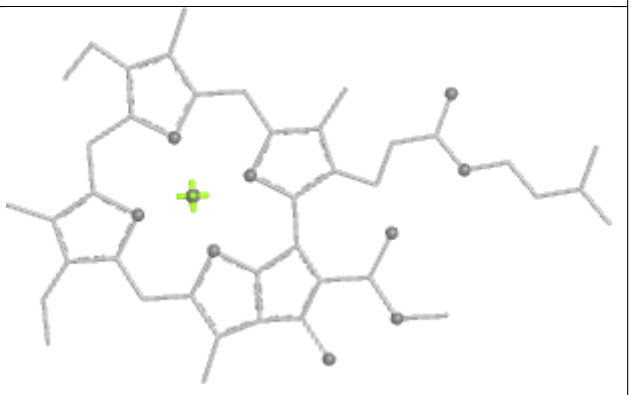
Bond lengths



Bond angles

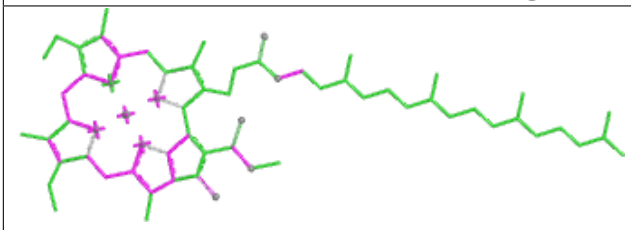


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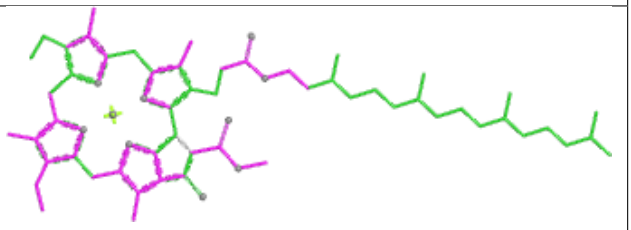


Rings

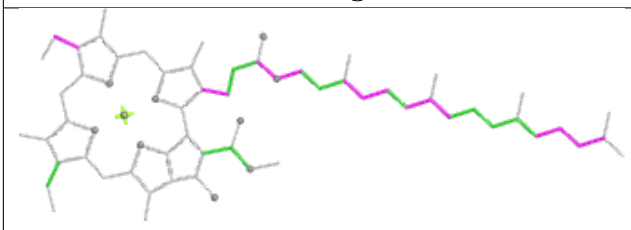
Ligand CLA H 805



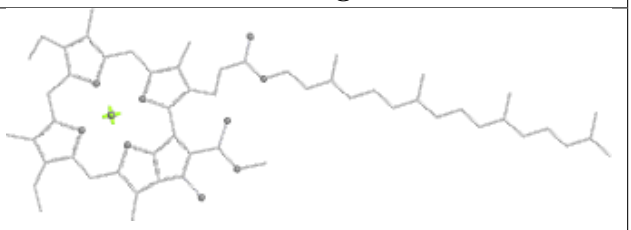
Bond lengths



Bond angles

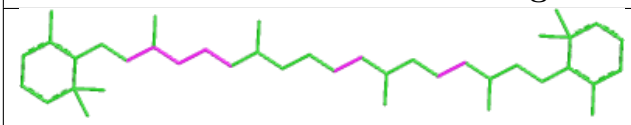


Torsions

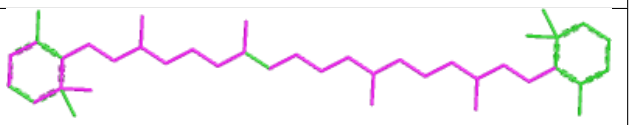


Rings

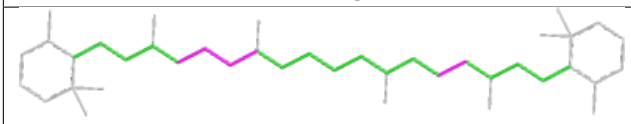
Ligand BCR f 103



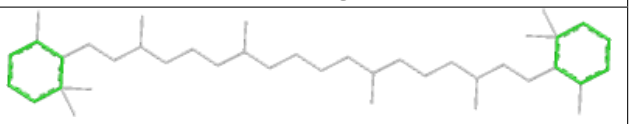
Bond lengths



Bond angles

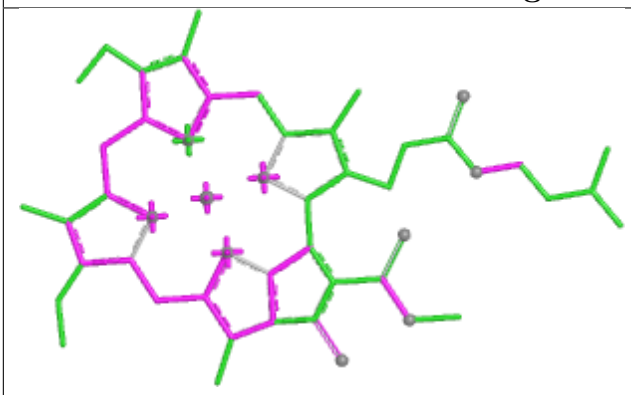


Torsions

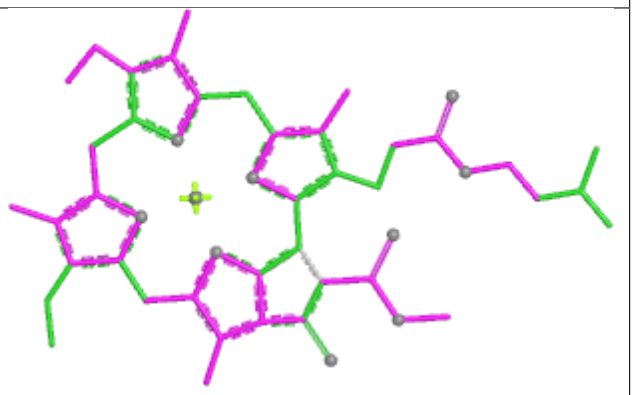


Rings

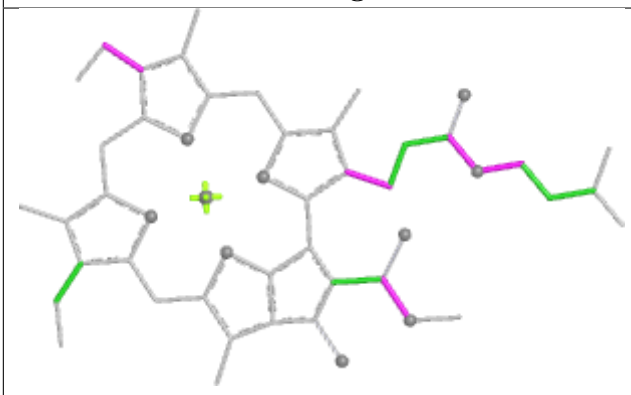
Ligand CLA Y 816



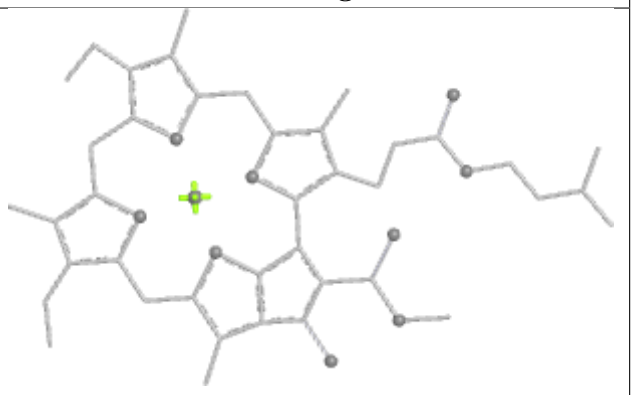
Bond lengths



Bond angles

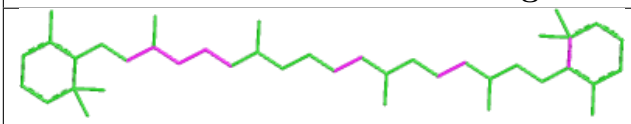


Torsions

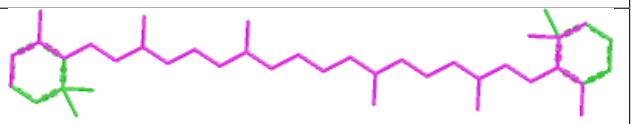


Rings

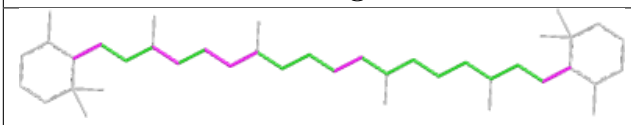
Ligand BCR H 847



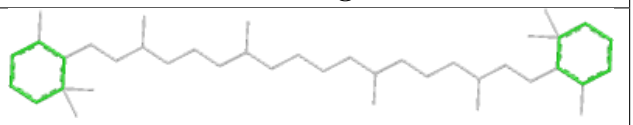
Bond lengths



Bond angles

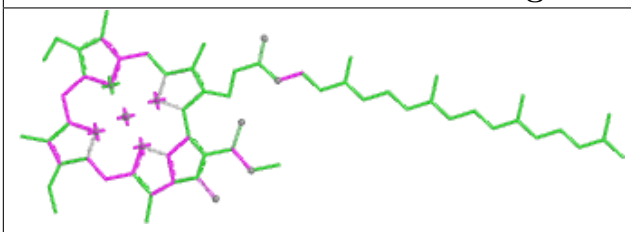


Torsions

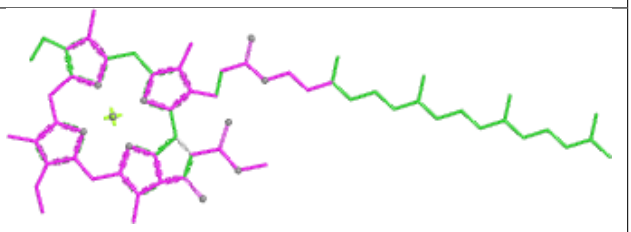


Rings

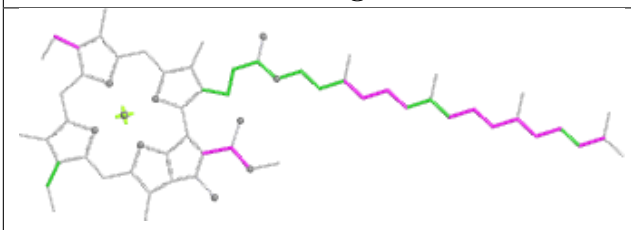
Ligand CLA Z 809



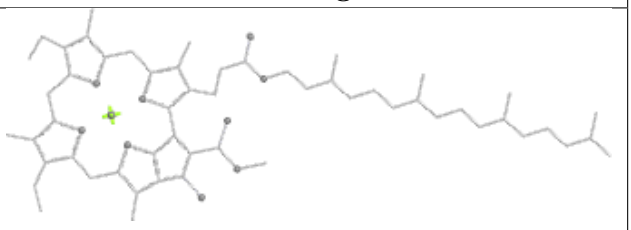
Bond lengths



Bond angles

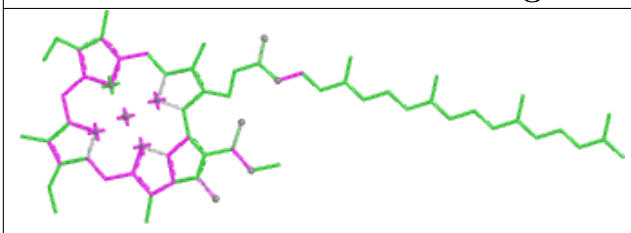


Torsions

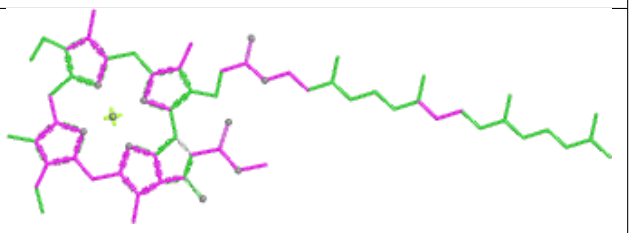


Rings

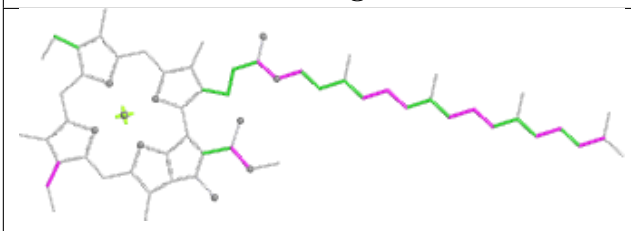
Ligand CLA Y 825



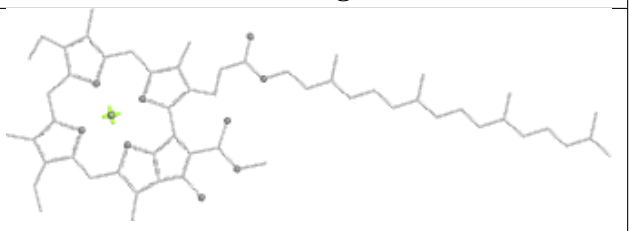
Bond lengths



Bond angles

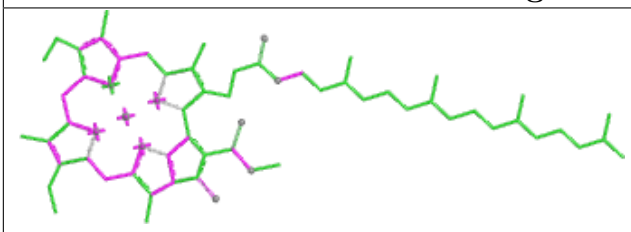


Torsions

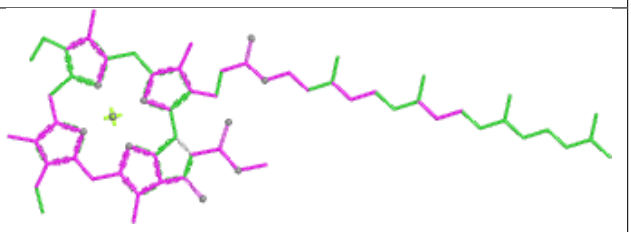


Rings

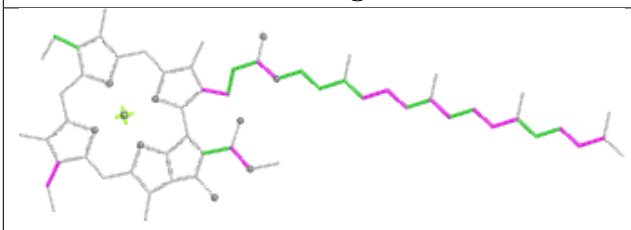
Ligand CLA L 201



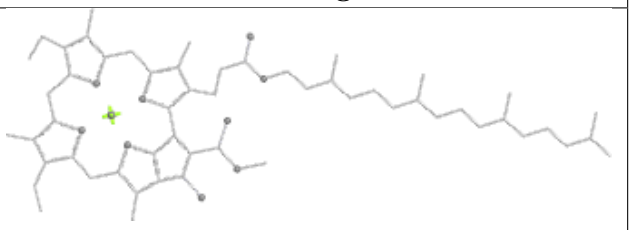
Bond lengths



Bond angles

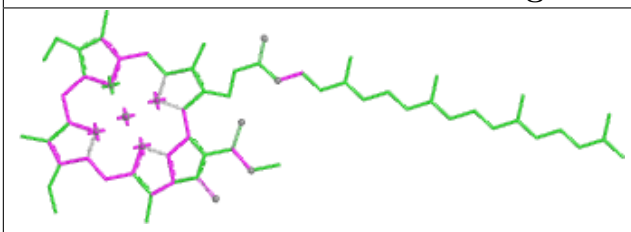


Torsions

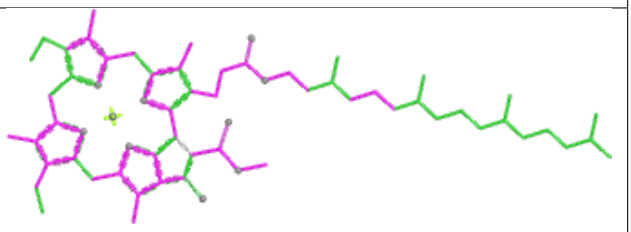


Rings

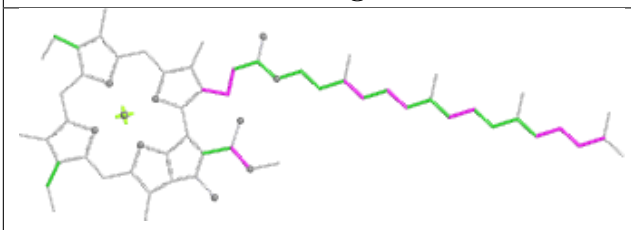
Ligand CLA Z 829



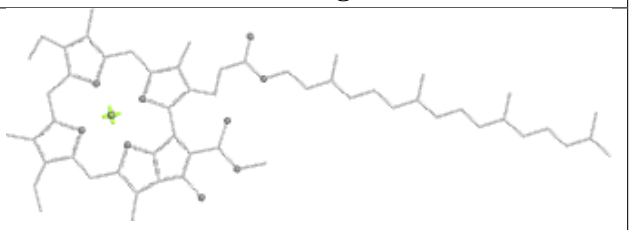
Bond lengths



Bond angles

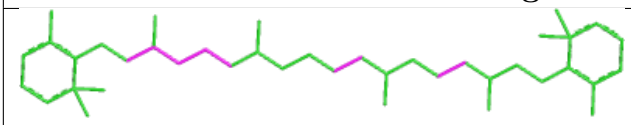


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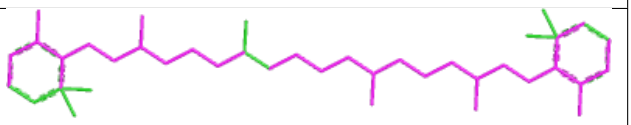


Rings

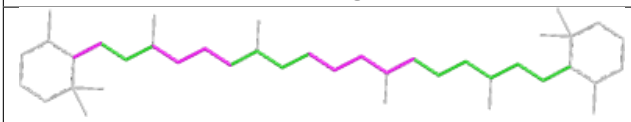
Ligand BCR A 848



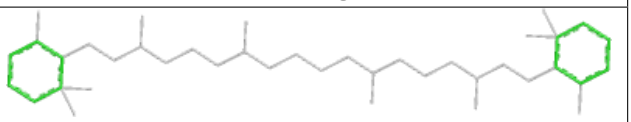
Bond lengths



Bond angles

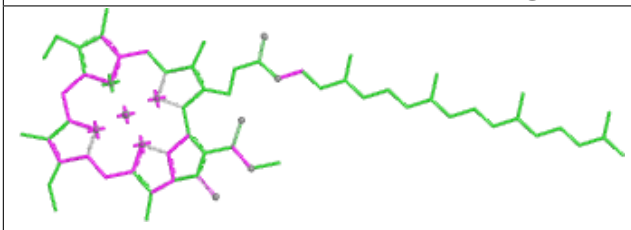


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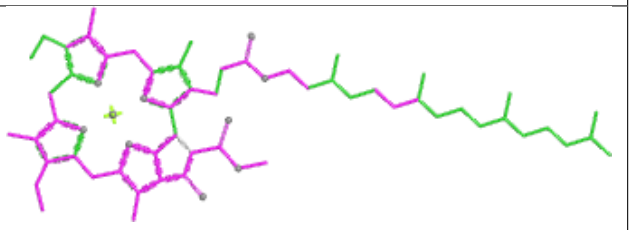


Rings

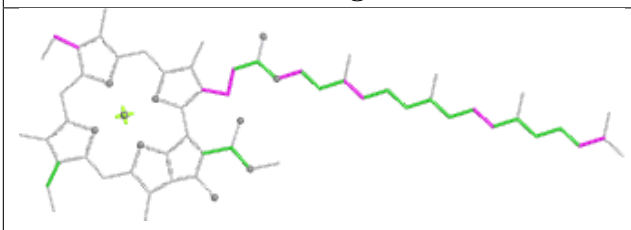
Ligand CLA Y 802



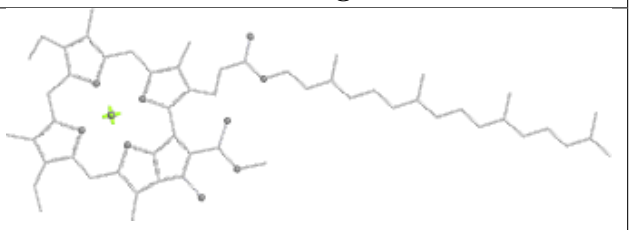
Bond lengths



Bond angles

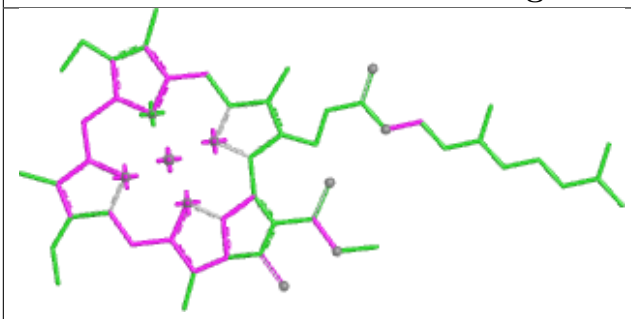


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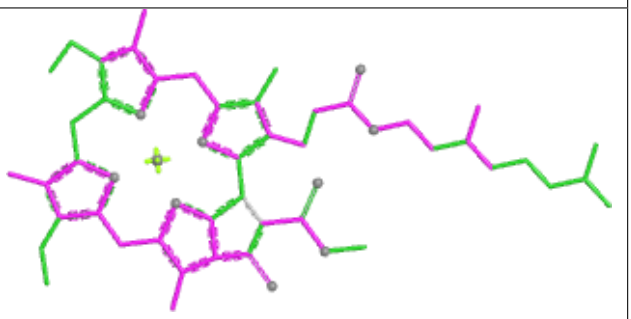


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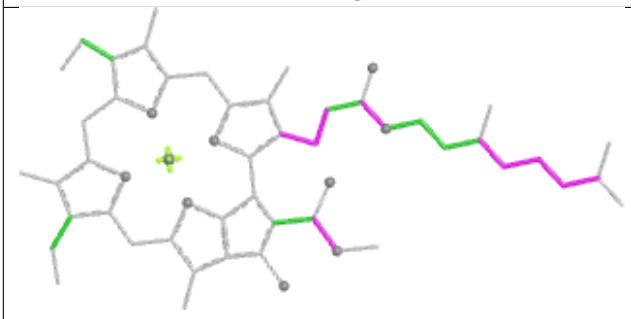
Ligand CLA Z 817



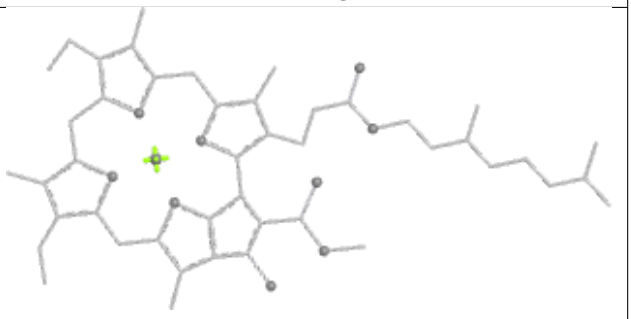
Bond lengths



Bond angles

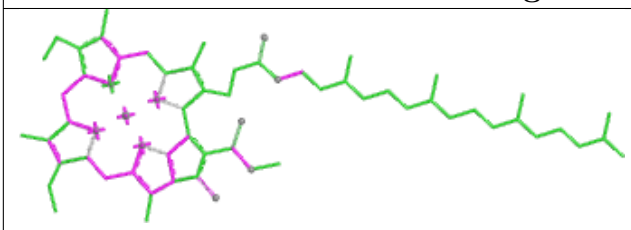


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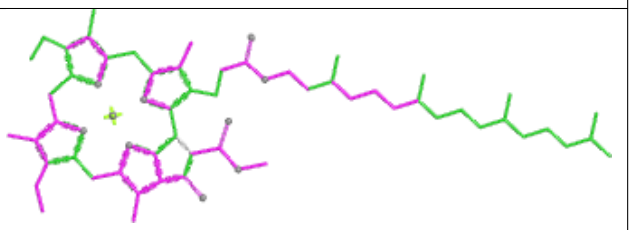


Rings

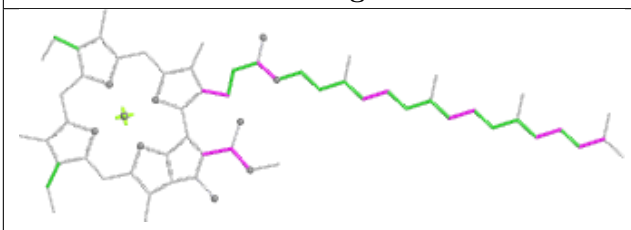
Ligand CLA H 829



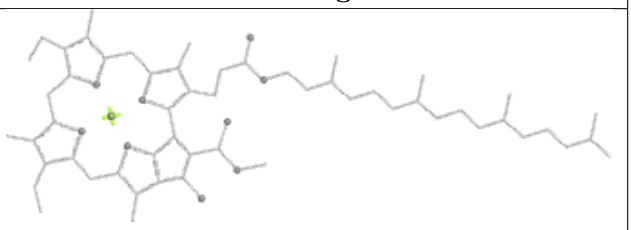
Bond lengths



Bond angles

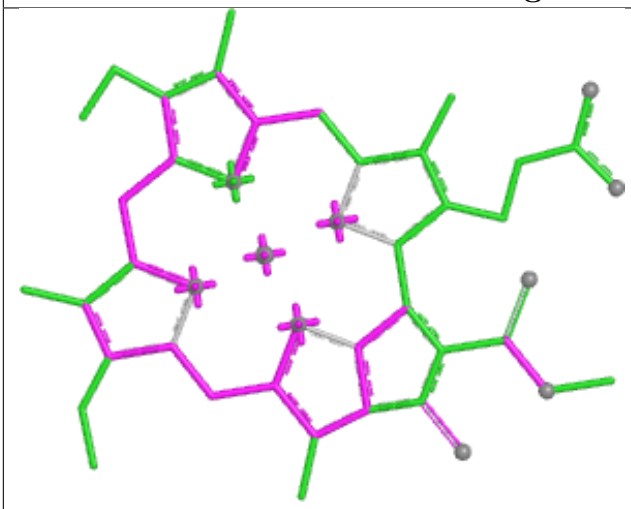


Torsions

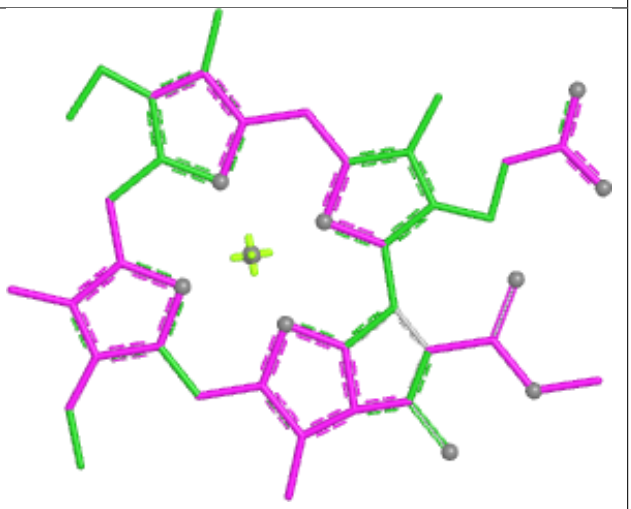


Rings

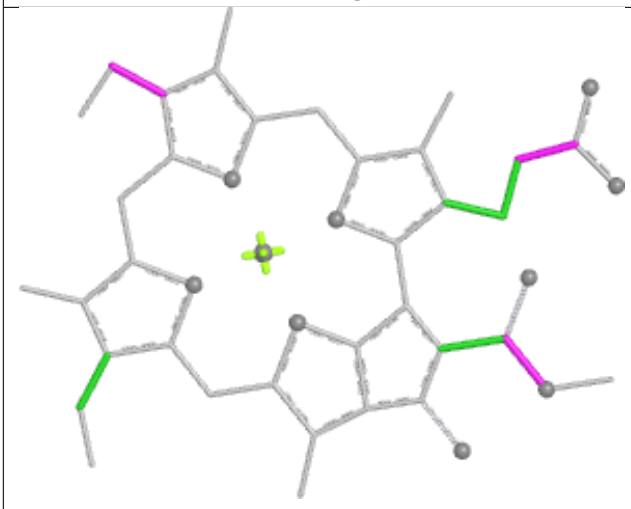
Ligand CLA B 834



Bond lengths



Bond angles

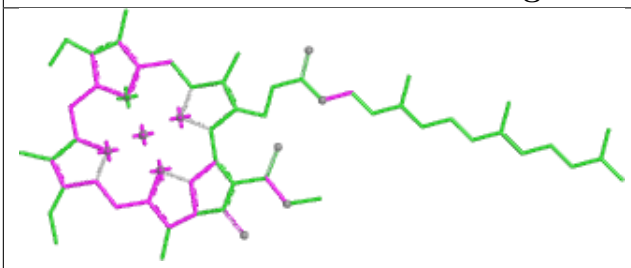


Torsions

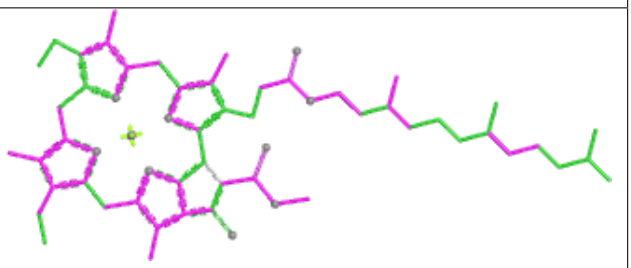


Rings

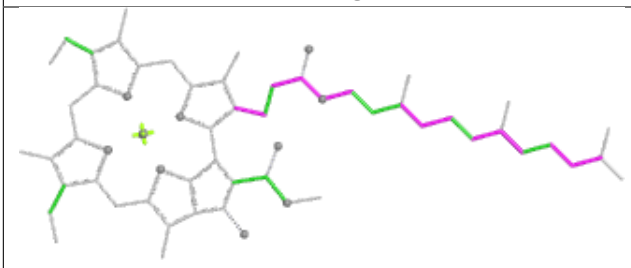
Ligand CLA H 819



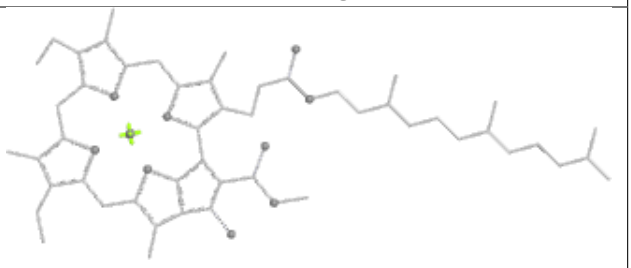
Bond lengths



Bond angles

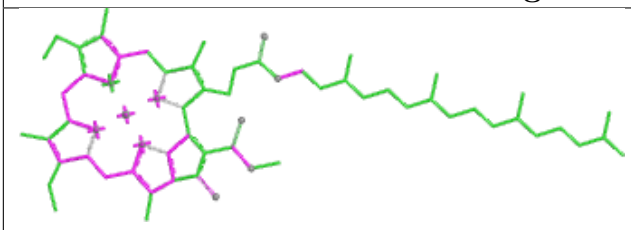


Torsions

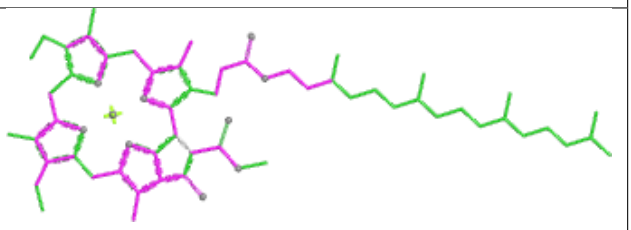


Rings

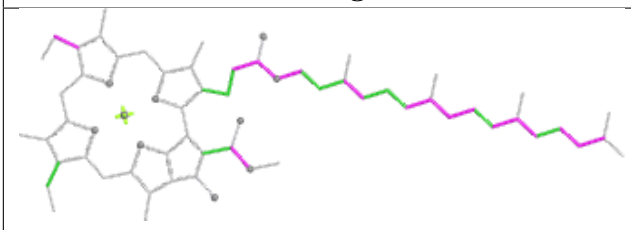
Ligand CLA Y 832



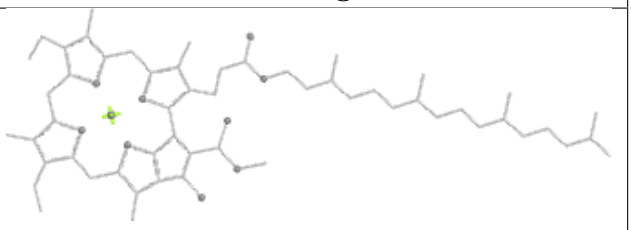
Bond lengths



Bond angles

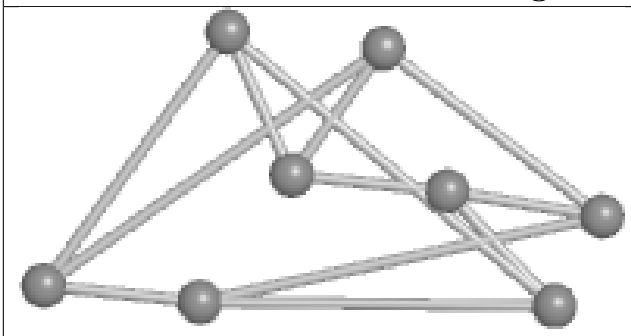


Torsions

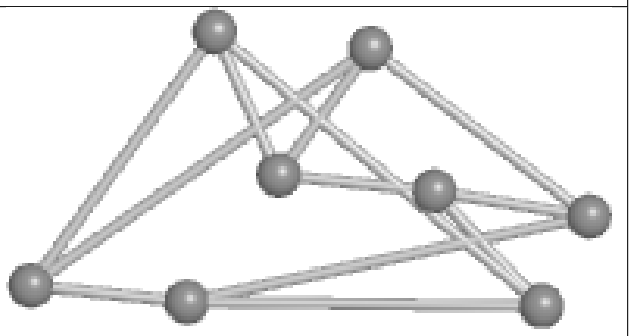


Rings

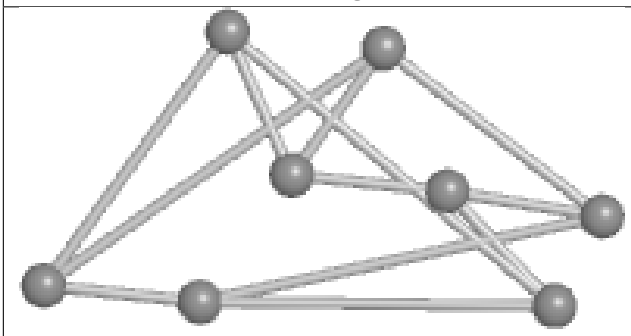
Ligand SF4 N 102



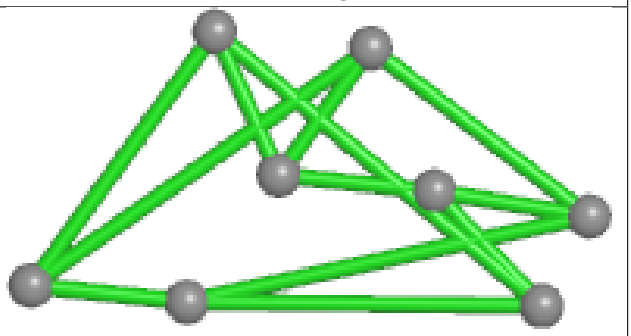
Bond lengths



Bond angles

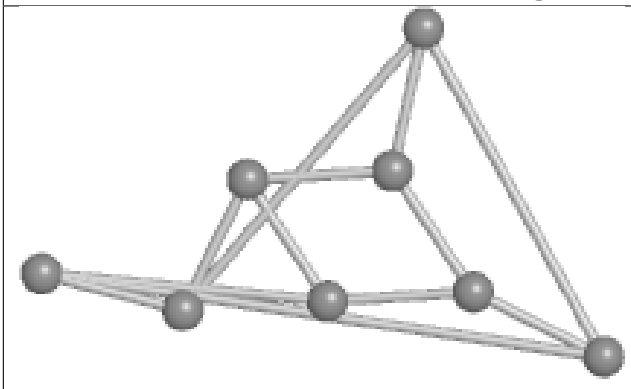


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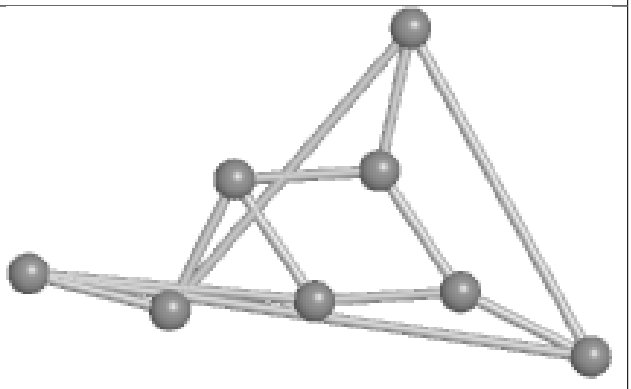


Rings

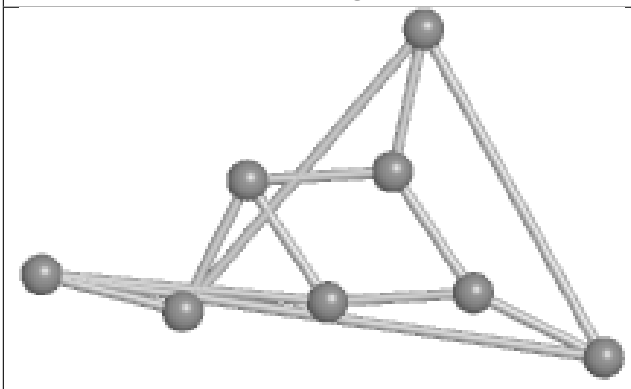
Ligand SF4 G 844



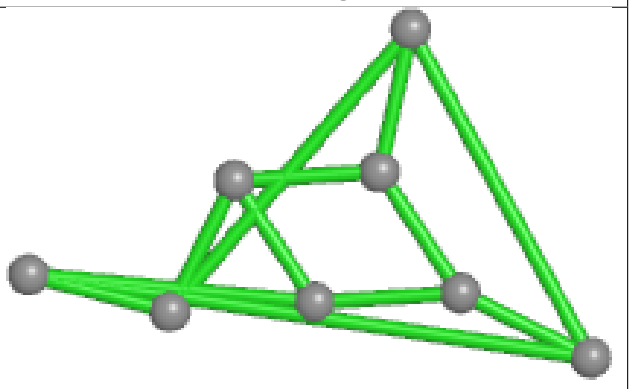
Bond lengths



Bond angles

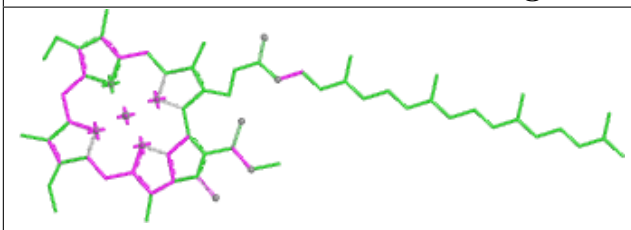


Torsions

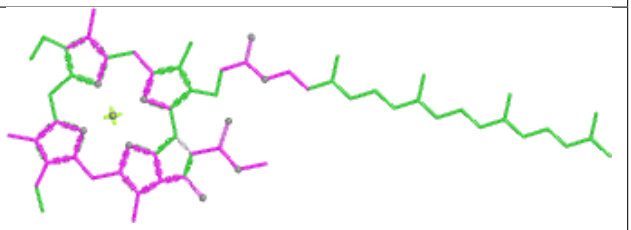


Rings

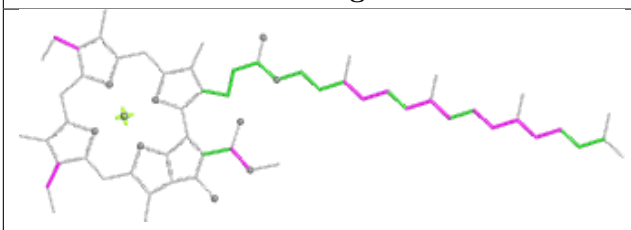
Ligand CLA A 828



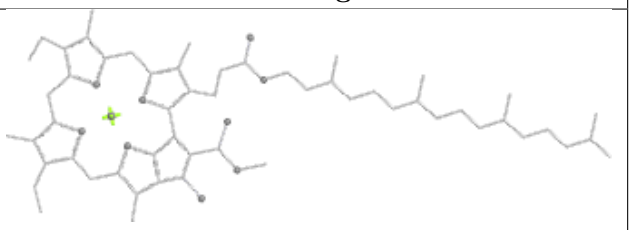
Bond lengths



Bond angles

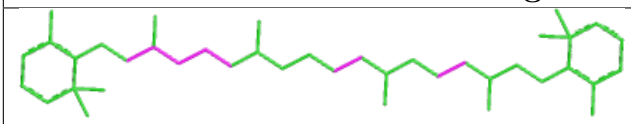


Torsions

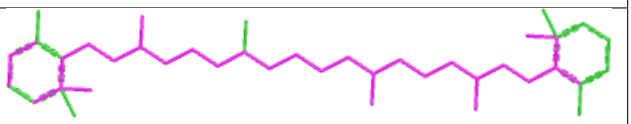


Rings

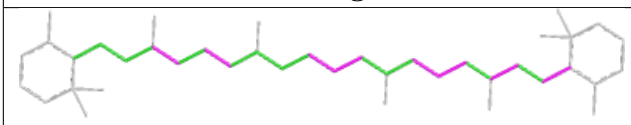
Ligand BCR F 201



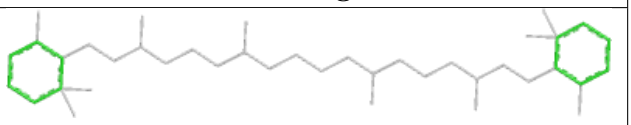
Bond lengths



Bond angles

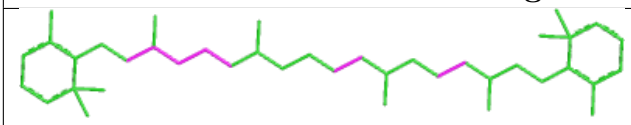


Torsions



Rings

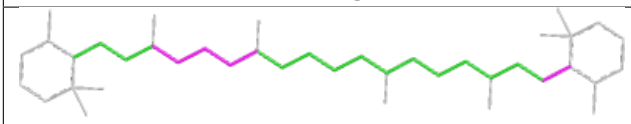
Ligand BCR Z 844



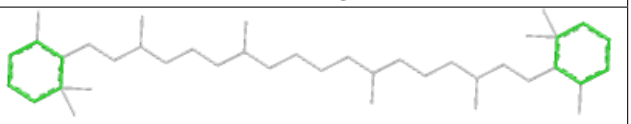
Bond lengths



Bond angles

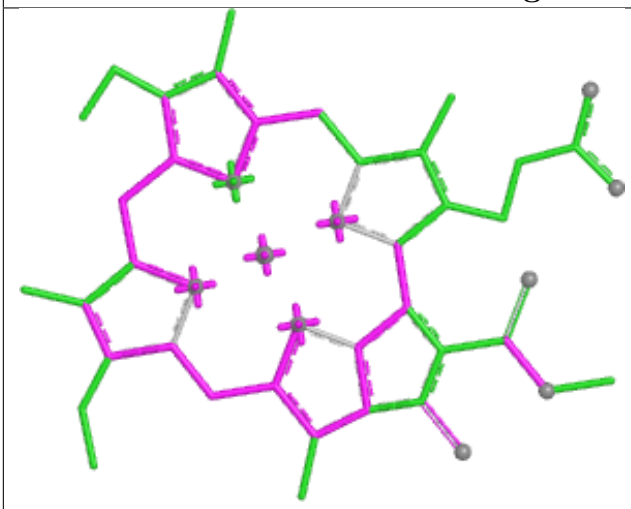


Torsions

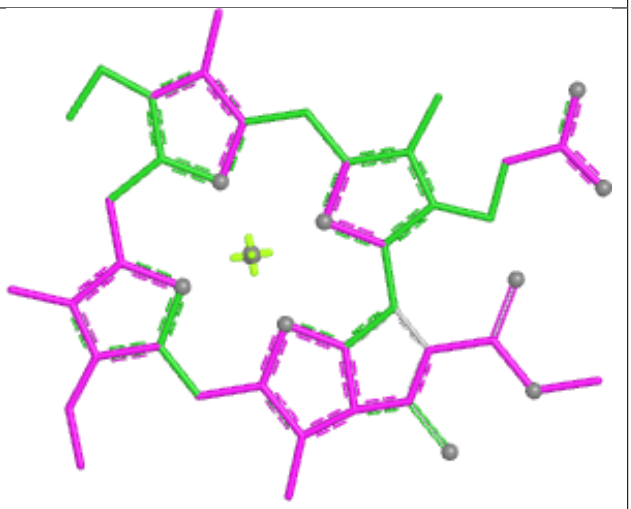


Rings

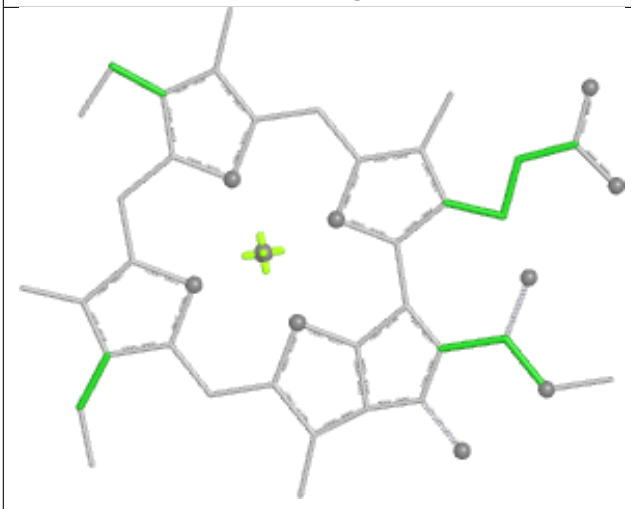
Ligand CLA H 838



Bond lengths



Bond angles

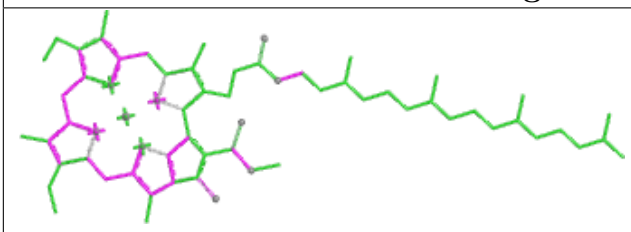


Torsions

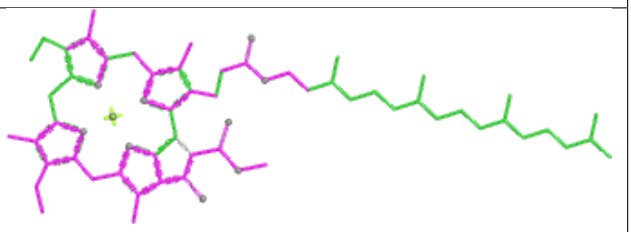


Rings

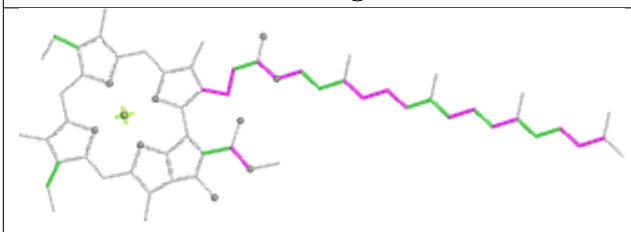
Ligand CLA H 831



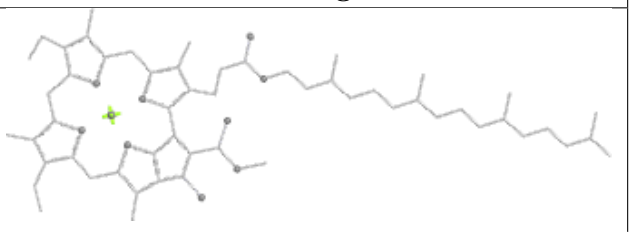
Bond lengths



Bond angles

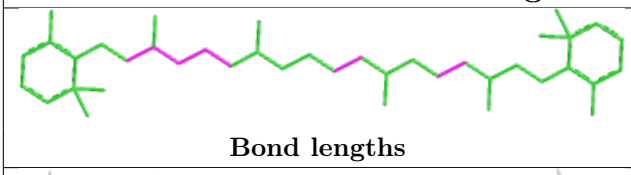


Torsions

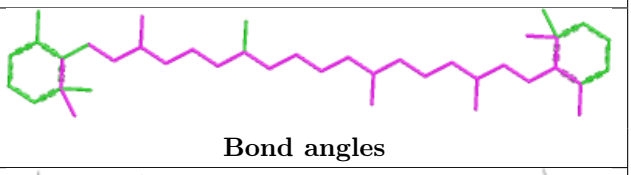


Rings

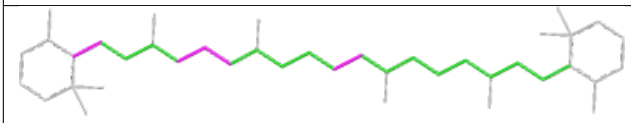
Ligand BCR Z 850



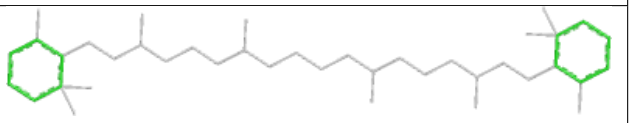
Bond lengths



Bond angles

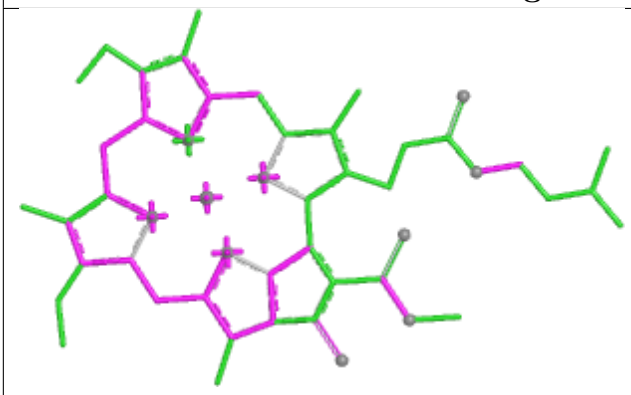


Torsions

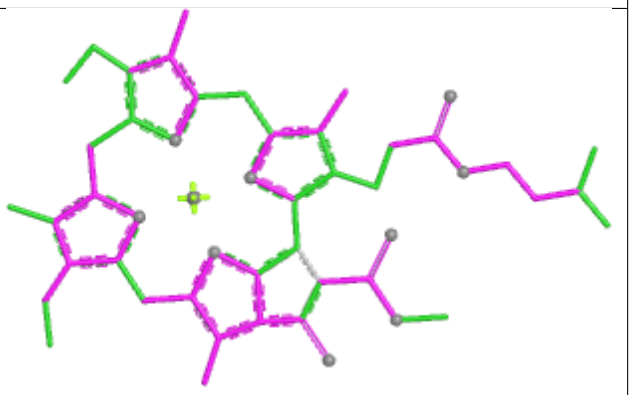


Rings

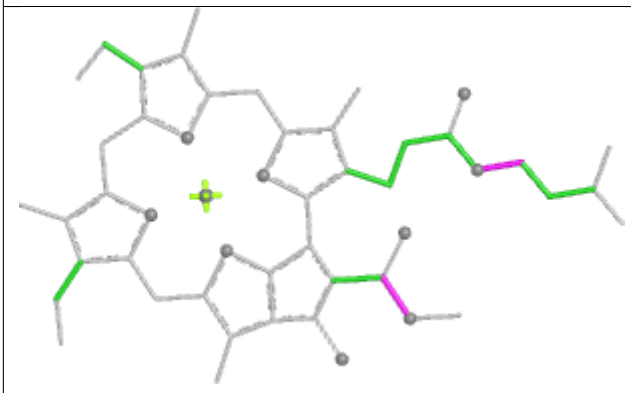
Ligand CLA Y 839



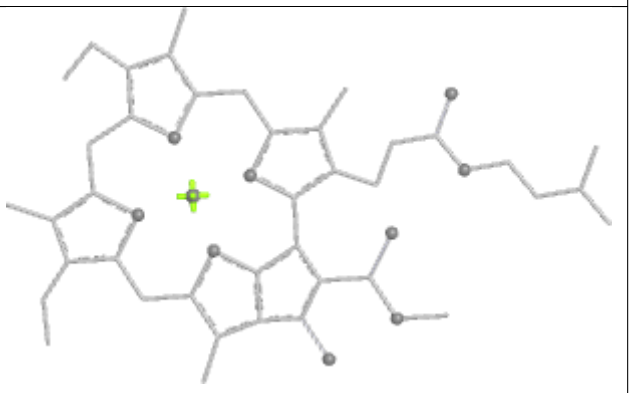
Bond lengths



Bond angles

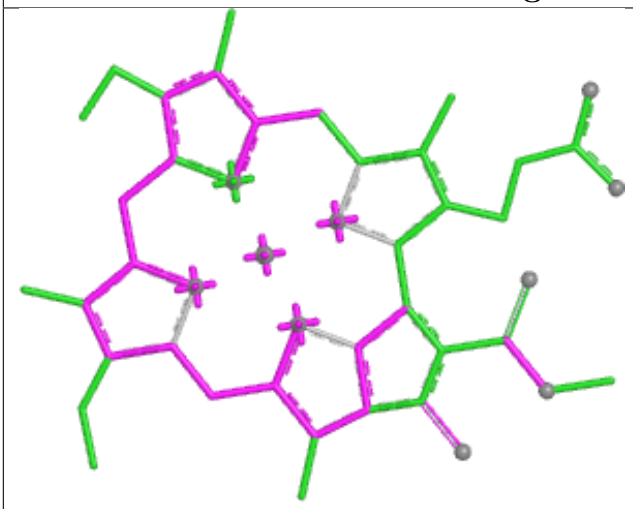


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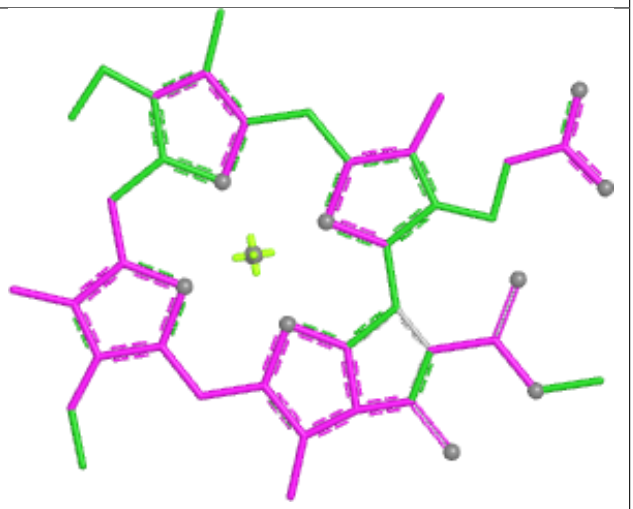


Rings

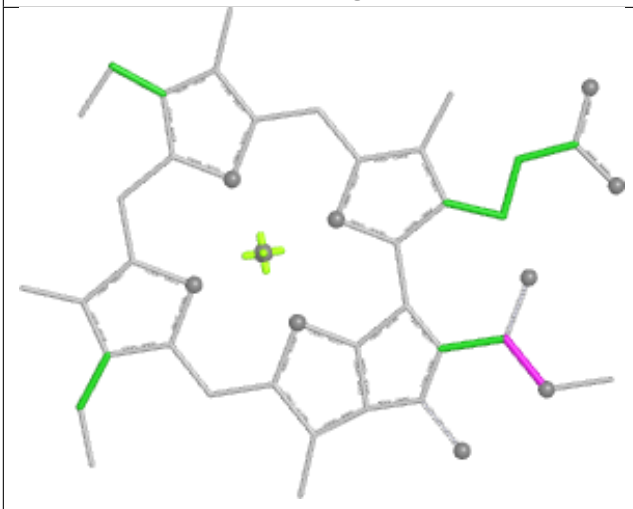
Ligand CLA Y 810



Bond lengths



Bond angles

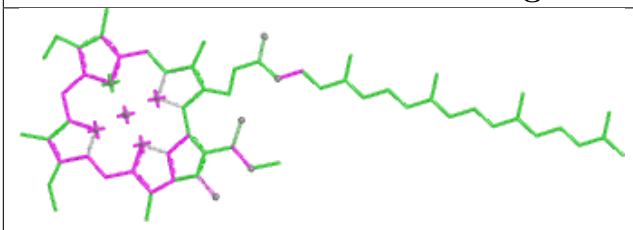


Torsions

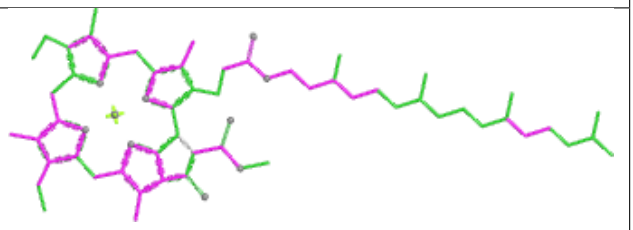


Rings

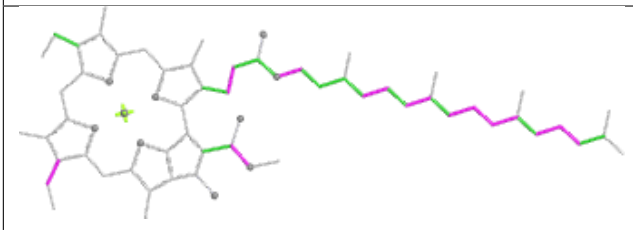
Ligand CLA Y 809



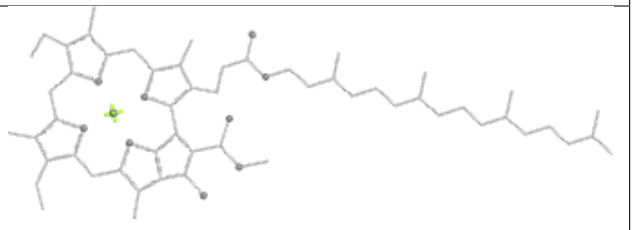
Bond lengths



Bond angles

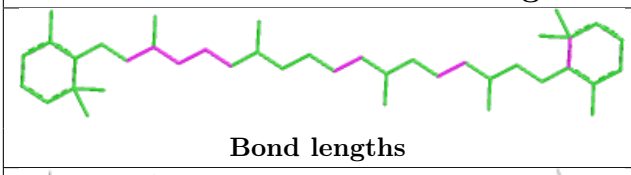


Torsions

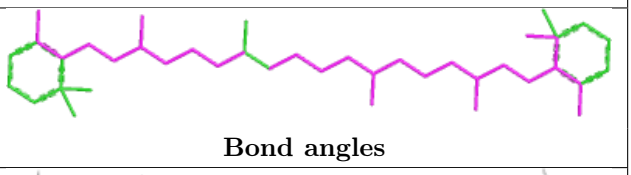


Rings

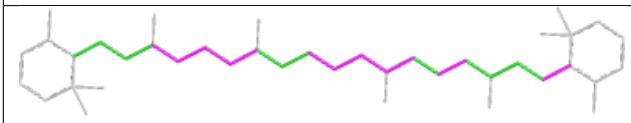
Ligand BCR Y 852



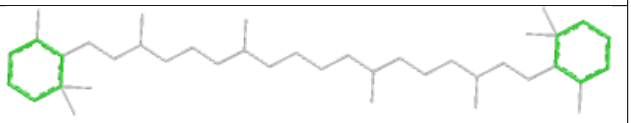
Bond lengths



Bond angles

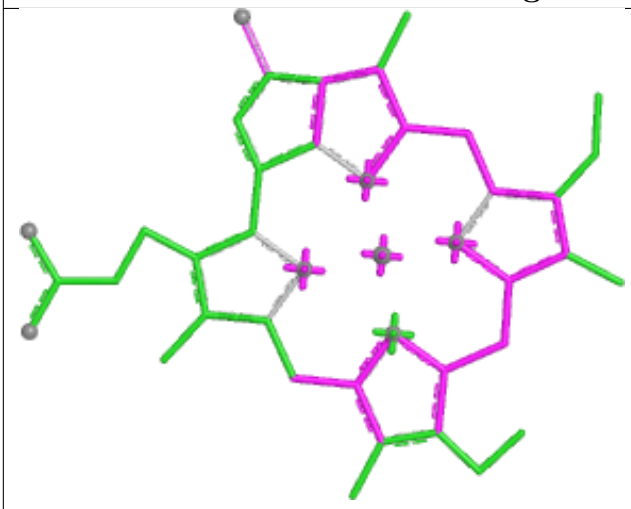


Torsions

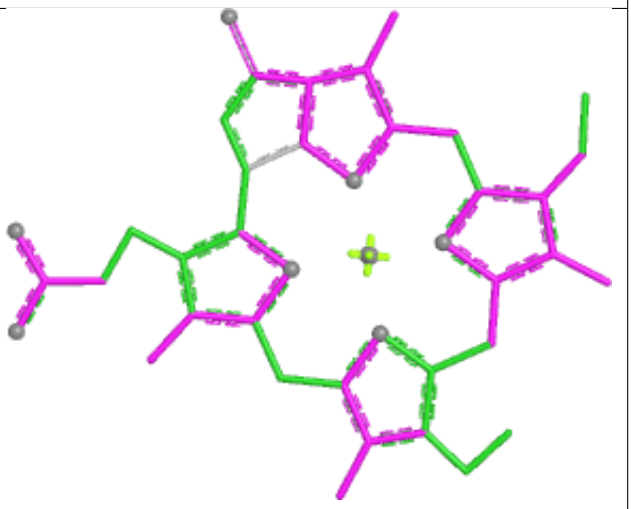


Rings

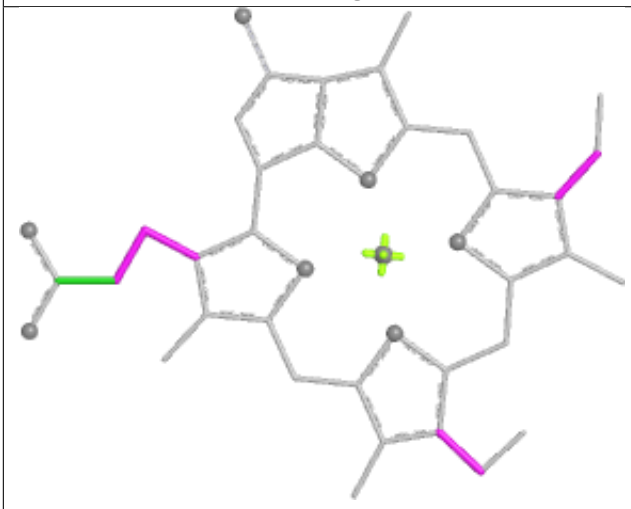
Ligand CLA K 101



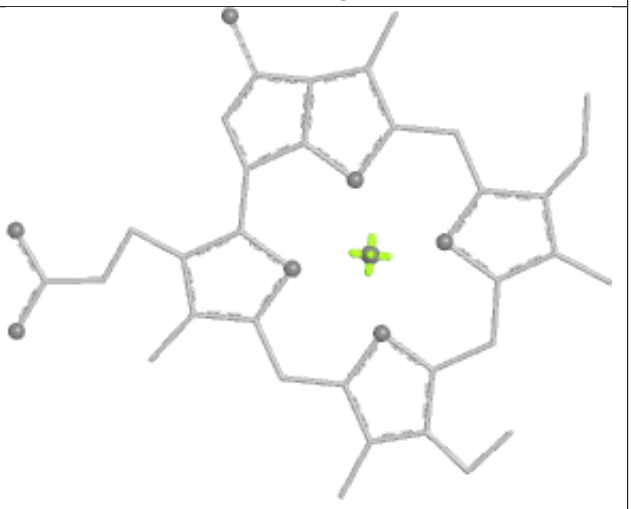
Bond lengths



Bond angles

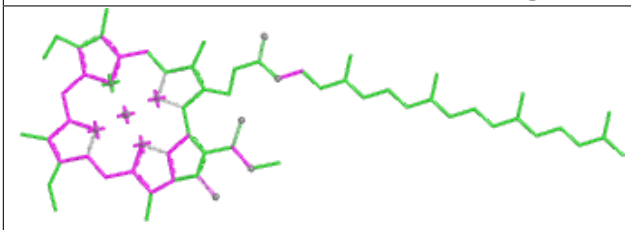


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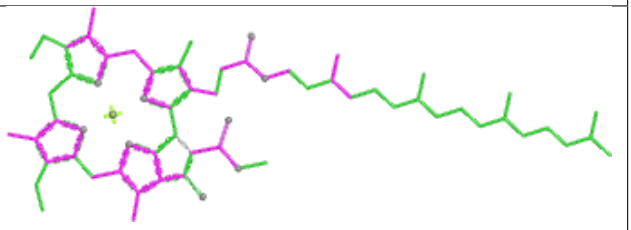


Rings

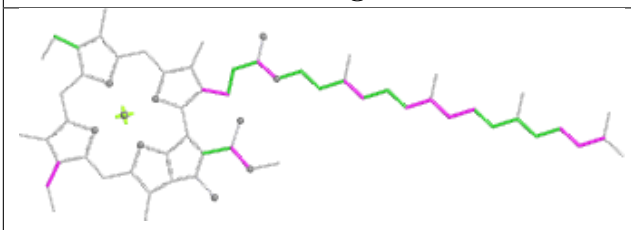
Ligand CLA Y 821



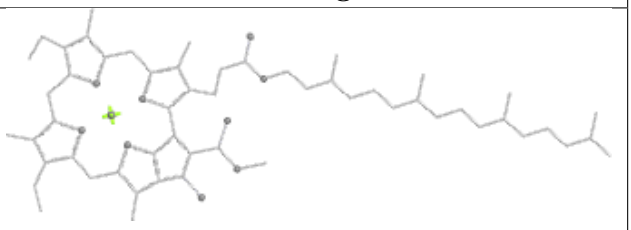
Bond lengths



Bond angles

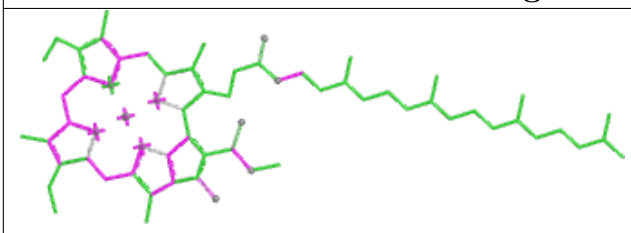


Torsions

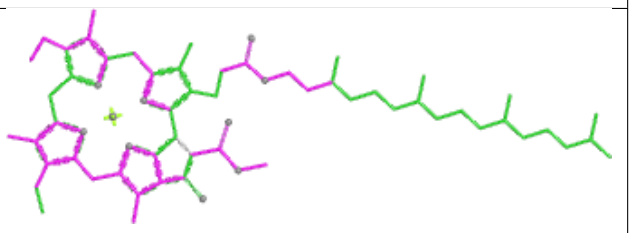


Rings

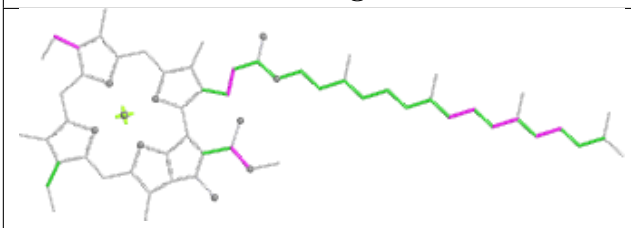
Ligand CLA H 807



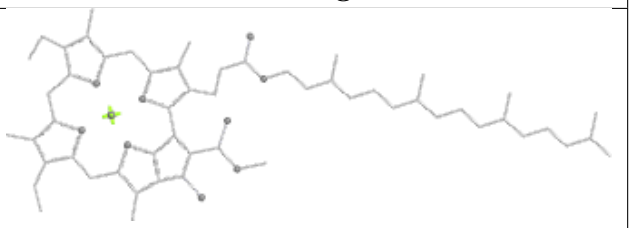
Bond lengths



Bond angles

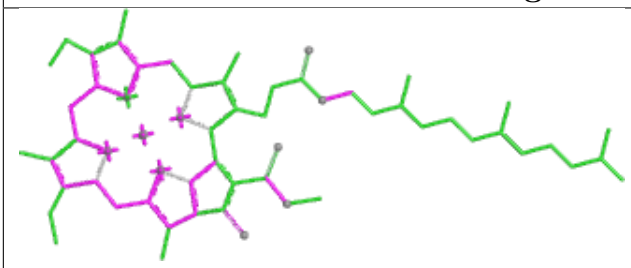


Torsions

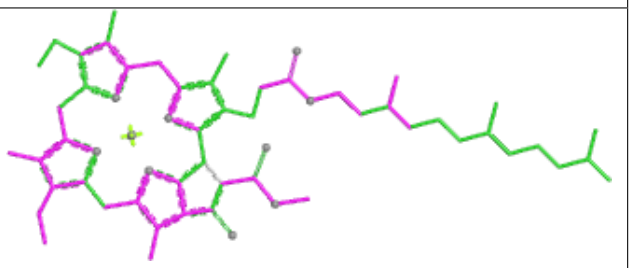


Rings

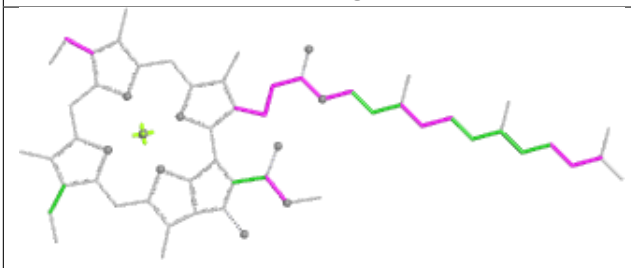
Ligand CLA B 818



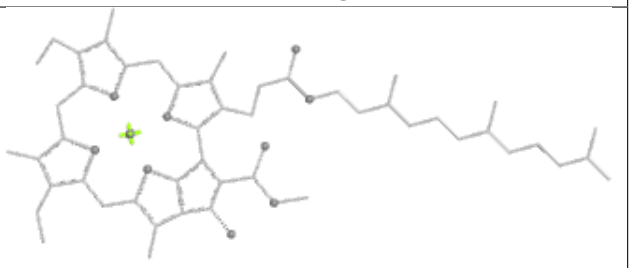
Bond lengths



Bond angles

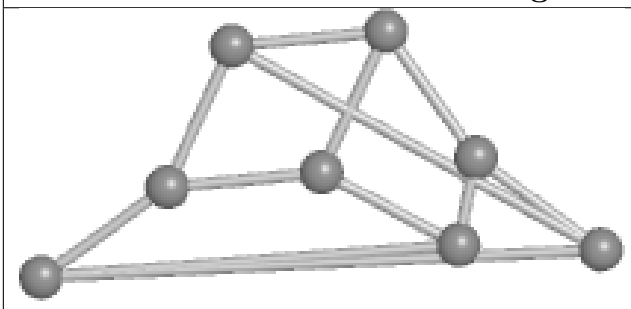


Torsions

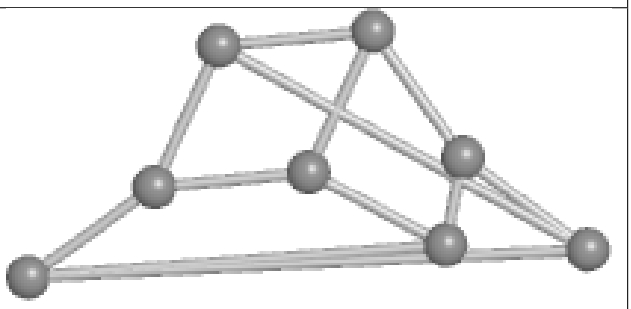


Rings

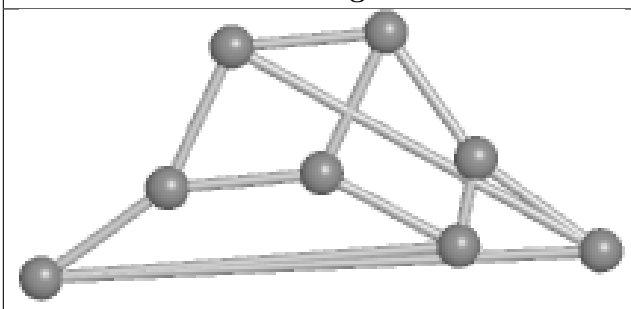
Ligand SF4 A 845



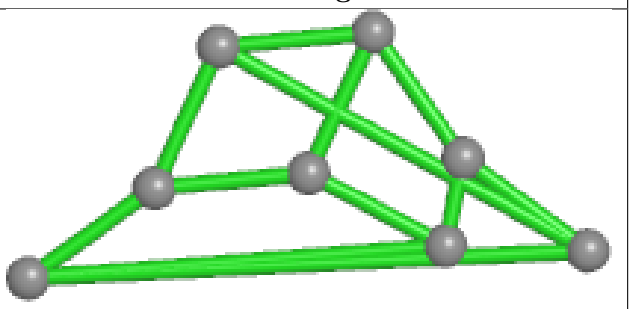
Bond lengths



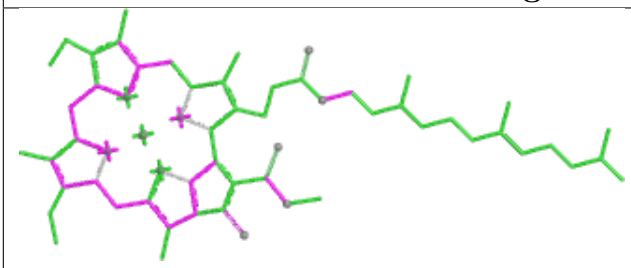
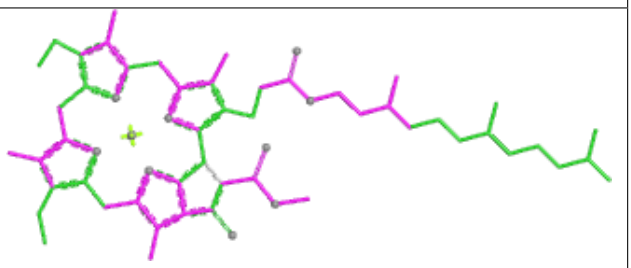
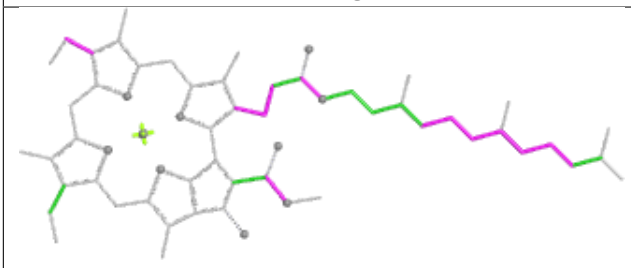
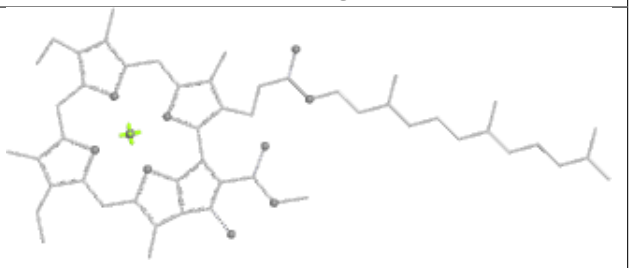
Bond angles

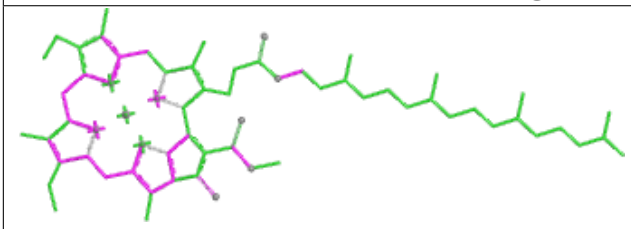
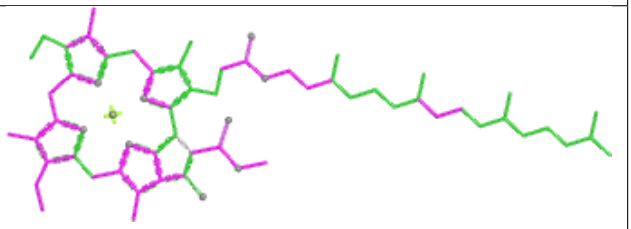
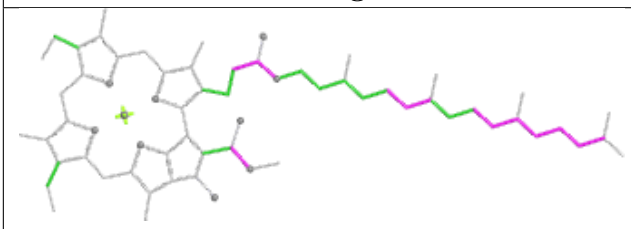
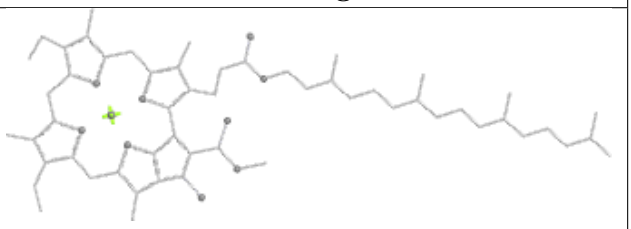


Torsions

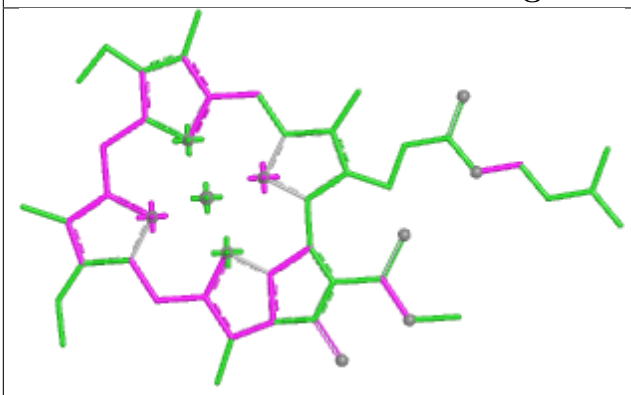


Rings

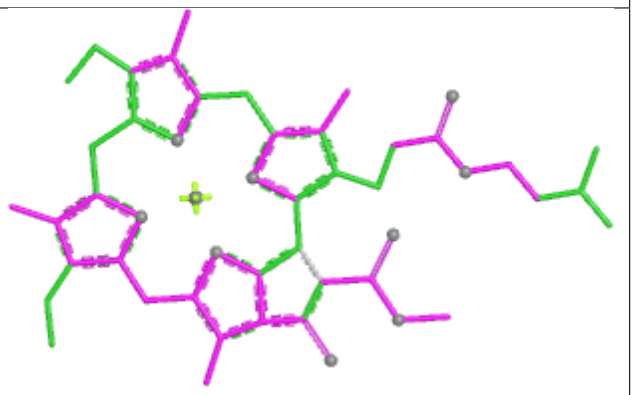
Ligand CLA H 818	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CL0 Y 801	
	
Bond lengths	Bond angles
	
Torsions	Rings

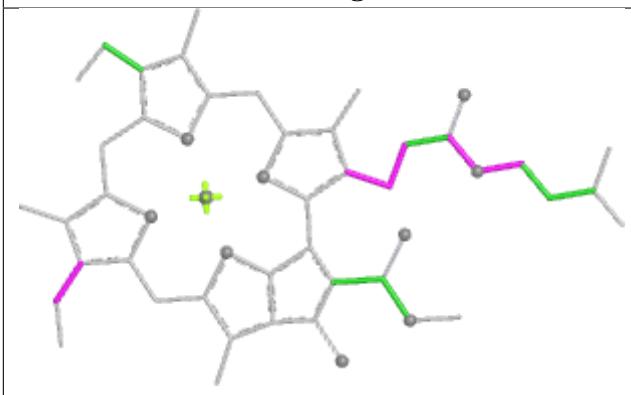
Ligand CLA Y 835



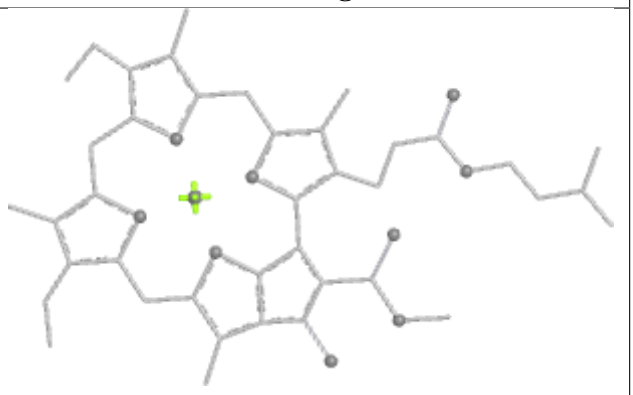
Bond lengths



Bond angles

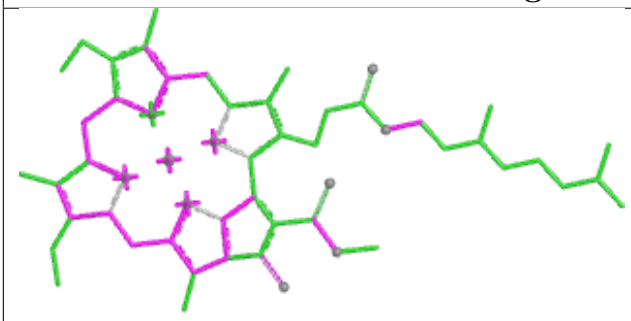


Torsions

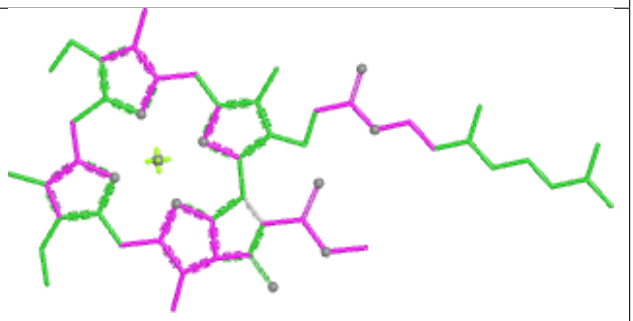


Rings

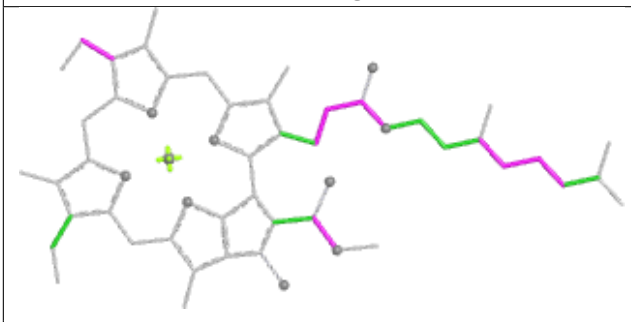
Ligand CLA B 821



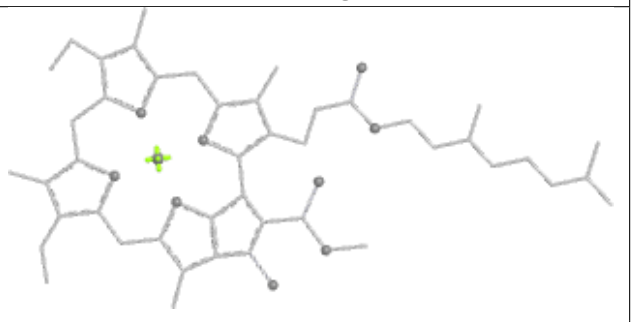
Bond lengths



Bond angles

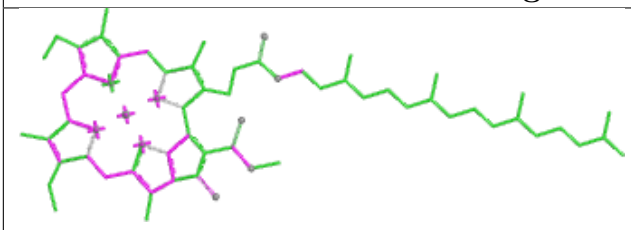


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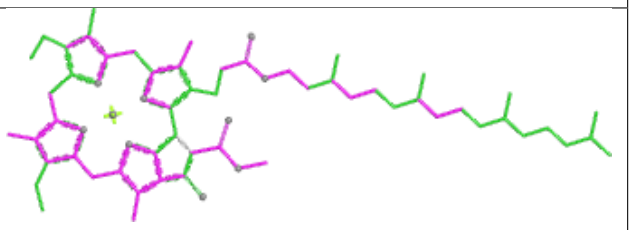


Rings

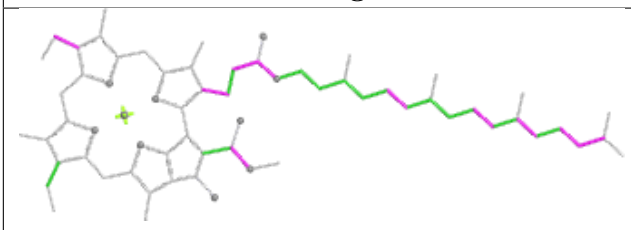
Ligand CLA G 829



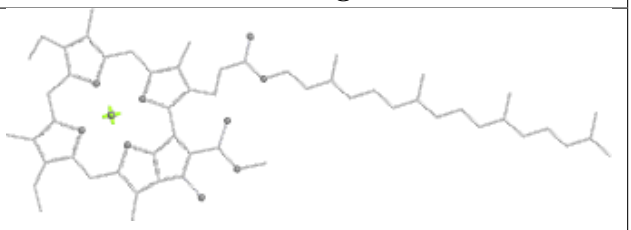
Bond lengths



Bond angles

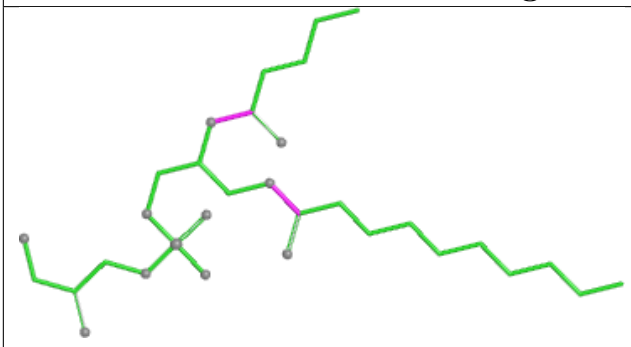


Torsions

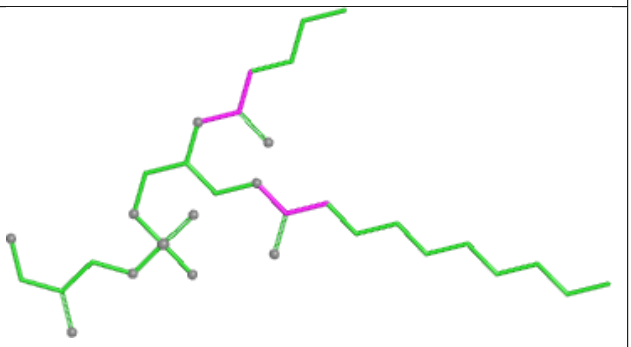


Rings

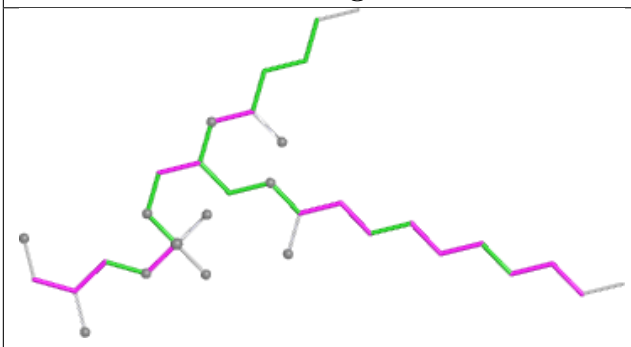
Ligand LHG G 851



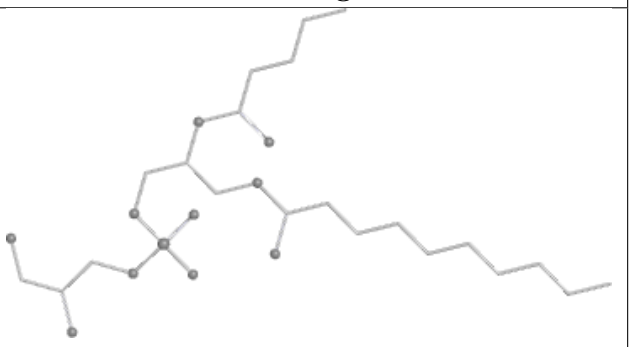
Bond lengths



Bond angles

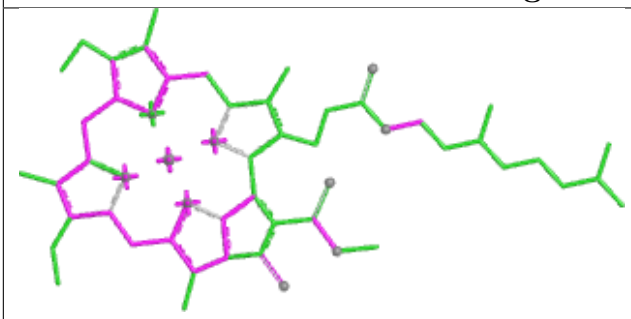


Torsions

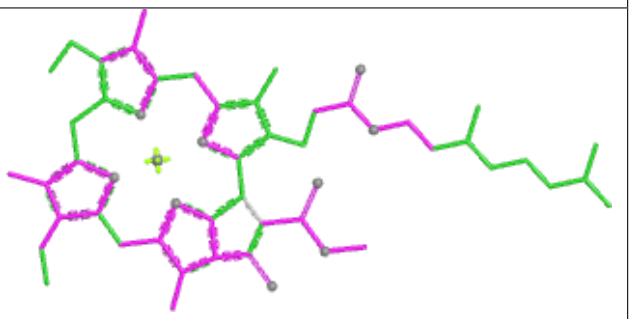


Rings

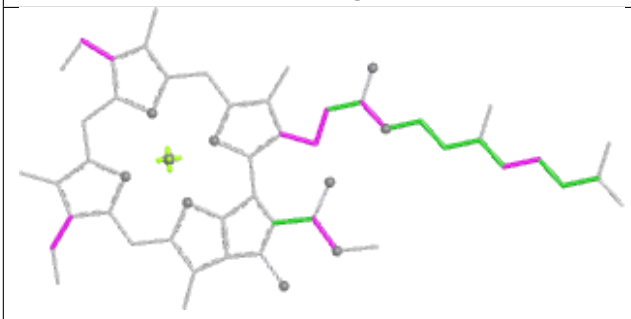
Ligand CLA Y 833



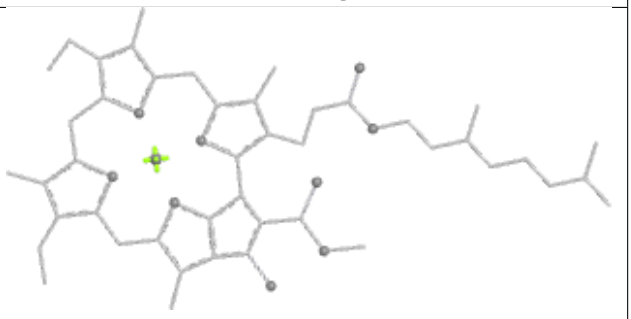
Bond lengths



Bond angles

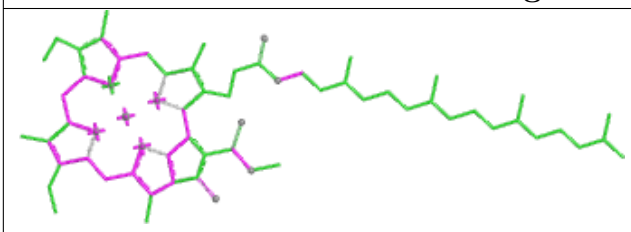


Torsions

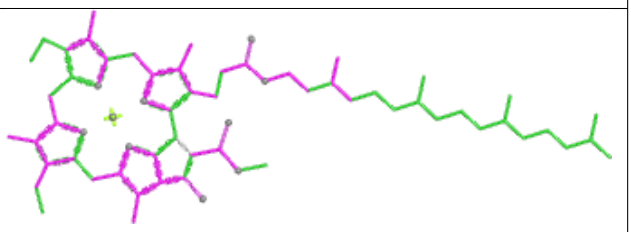


Rings

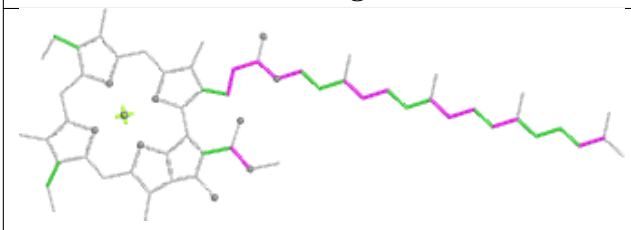
Ligand CLA A 823



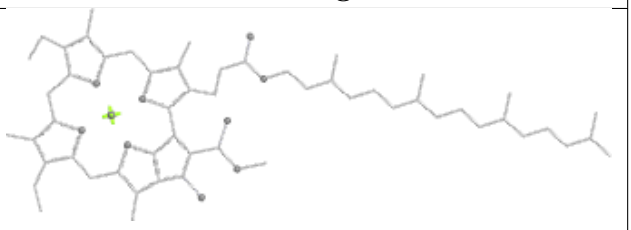
Bond lengths



Bond angles

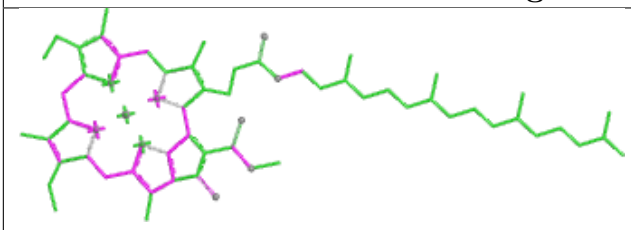


Torsions

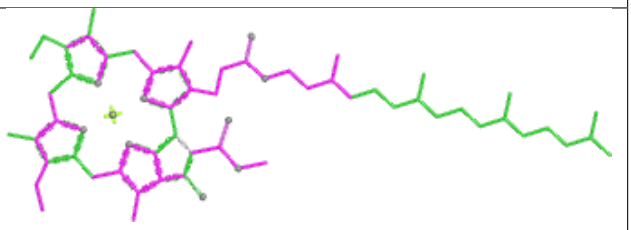


Rings

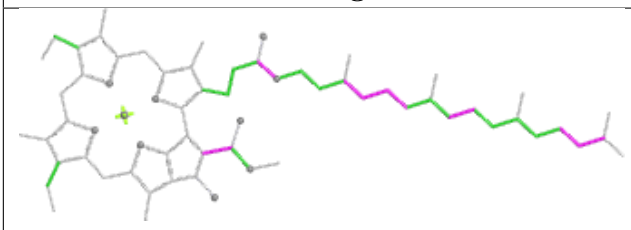
Ligand CLA Z 826



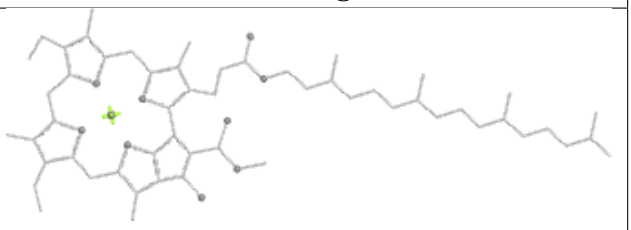
Bond lengths



Bond angles

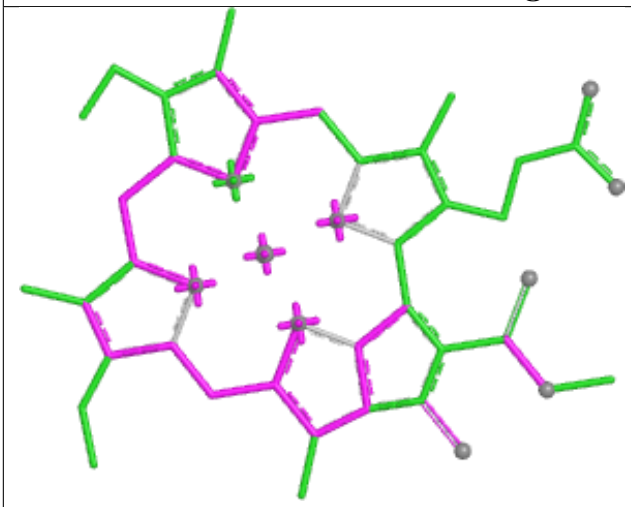


Torsions

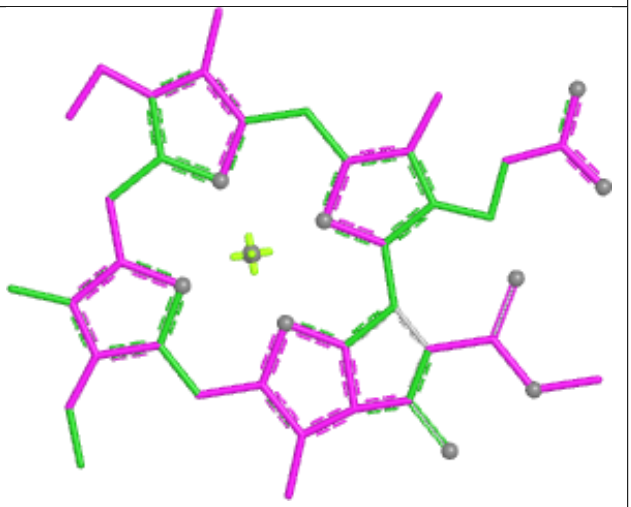


Rings

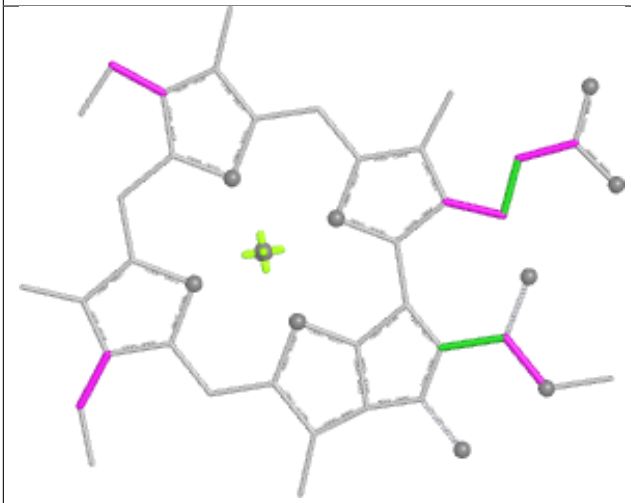
Ligand CLA B 820



Bond lengths



Bond angles

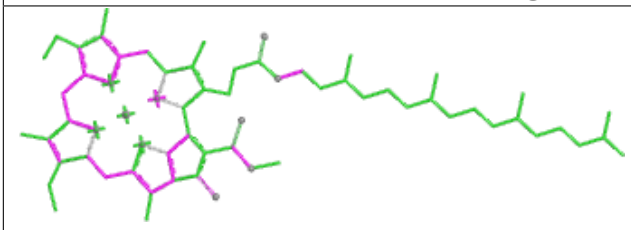


Torsions

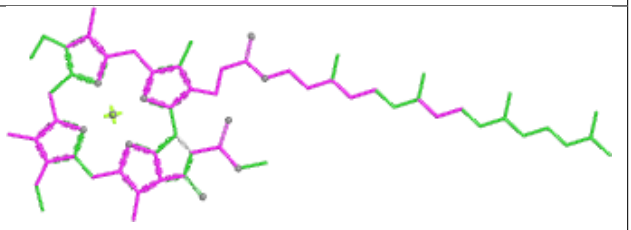


Rings

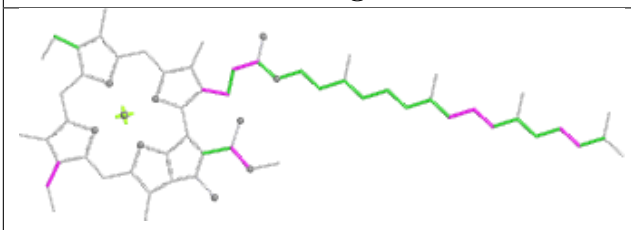
Ligand CLA B 840



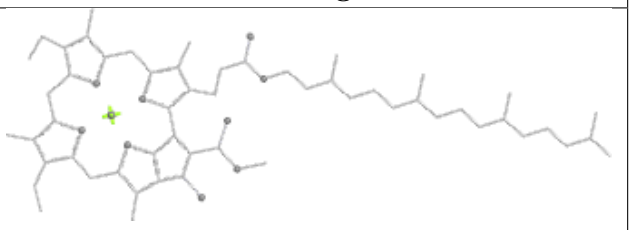
Bond lengths



Bond angles

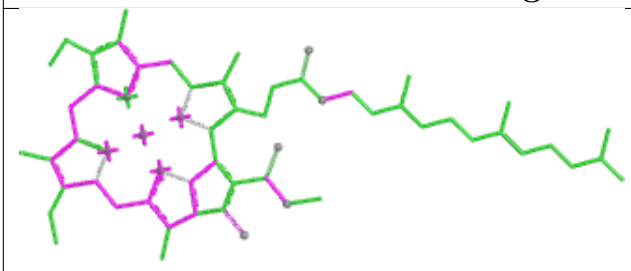


Torsions

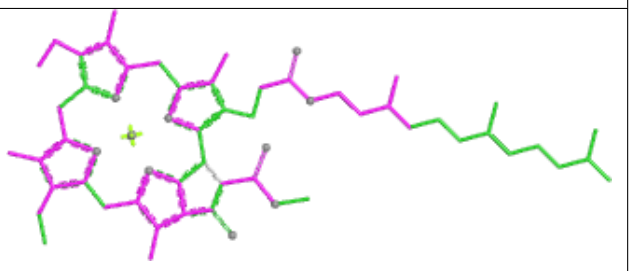


Rings

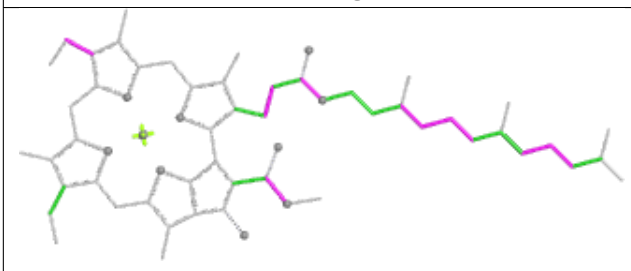
Ligand CLA G 817



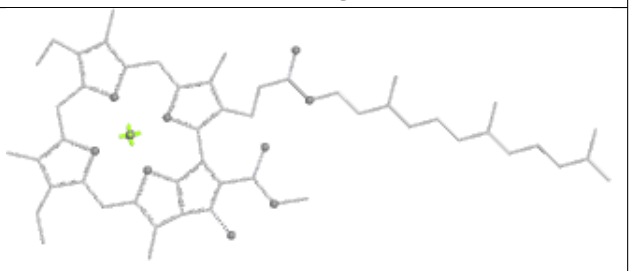
Bond lengths



Bond angles

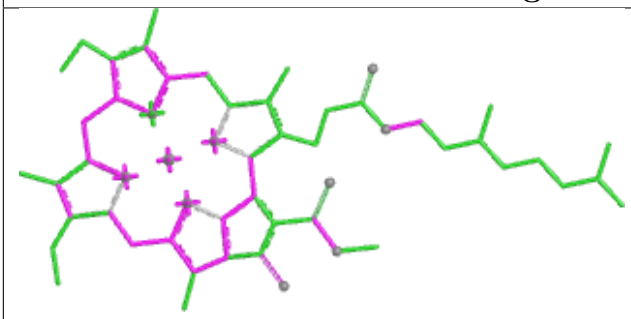


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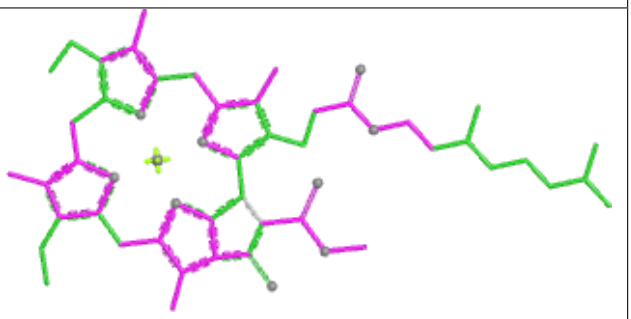


Rings

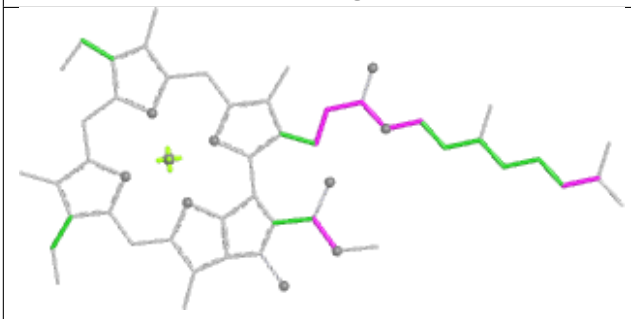
Ligand CLA H 822



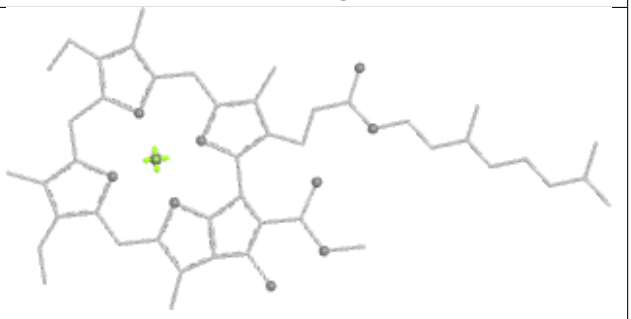
Bond lengths



Bond angles

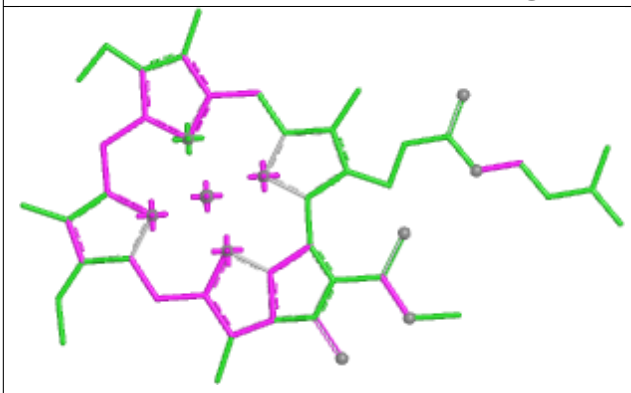


Torsions

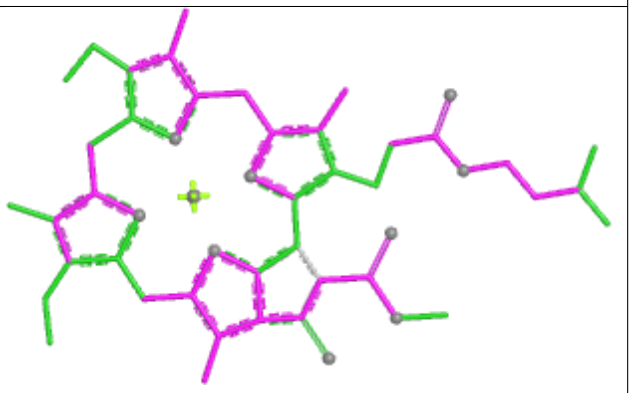


Rings

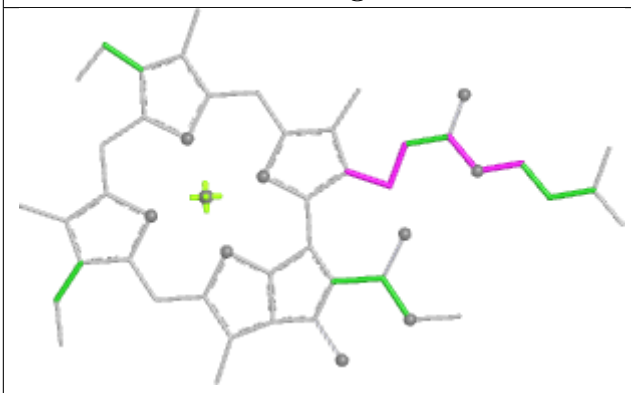
Ligand CLA G 815



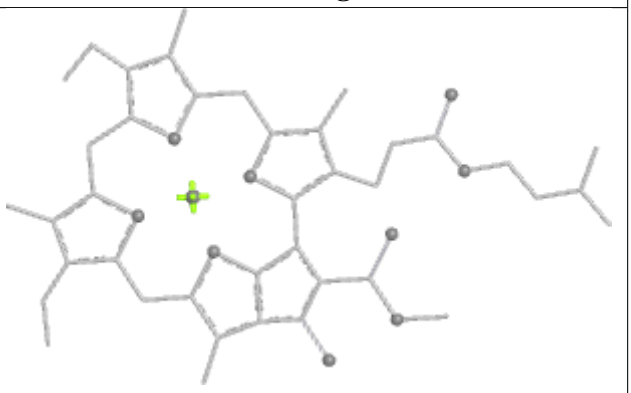
Bond lengths



Bond angles

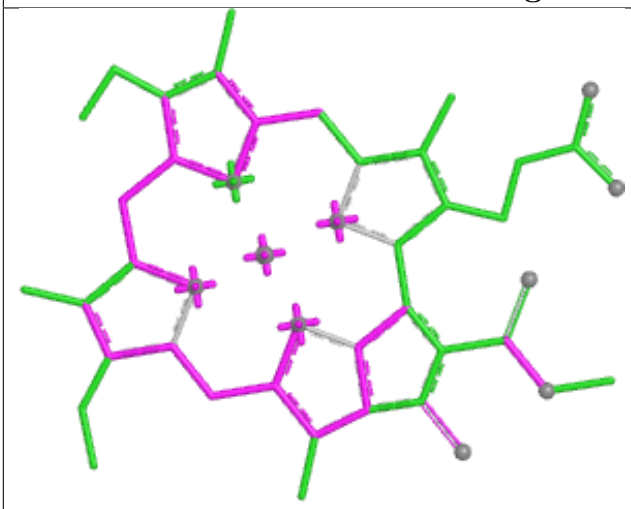


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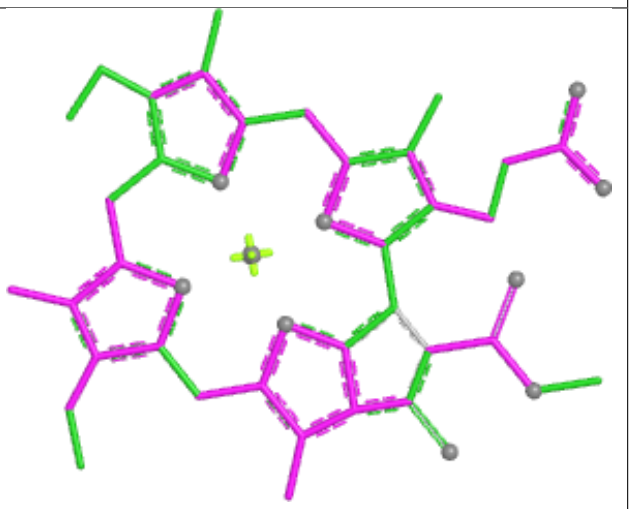


Rings

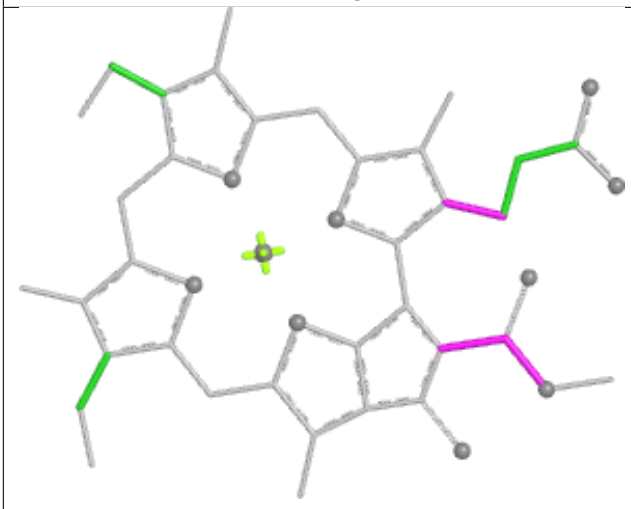
Ligand CLA B 833



Bond lengths



Bond angles

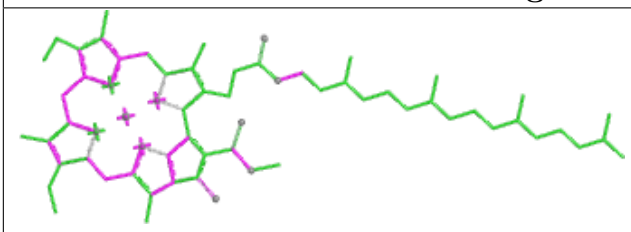


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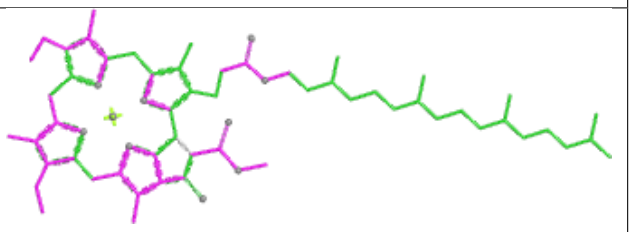


Rings

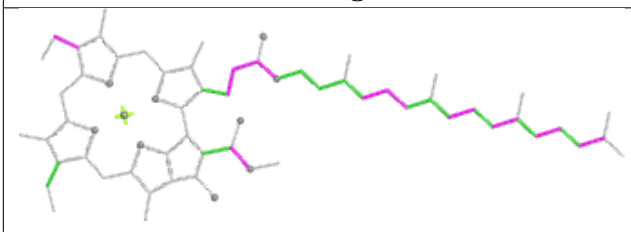
Ligand CLA Z 808



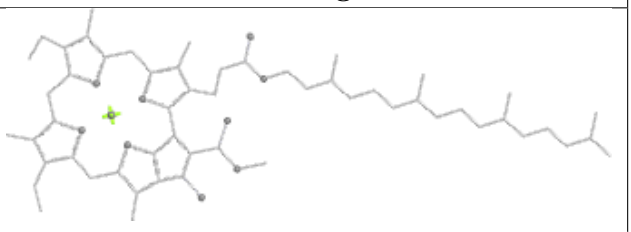
Bond lengths



Bond angles

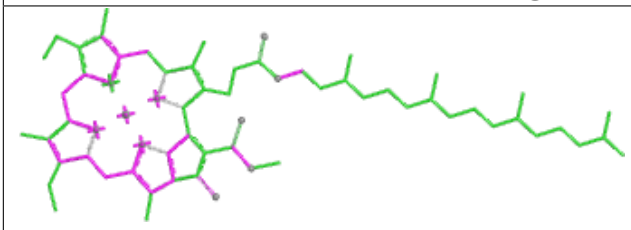


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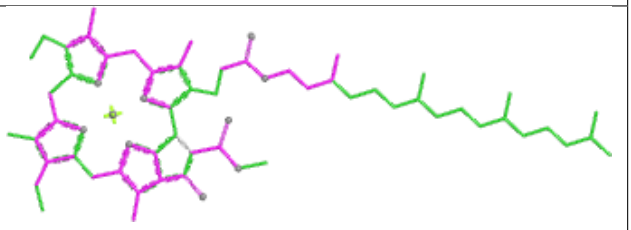


Rings

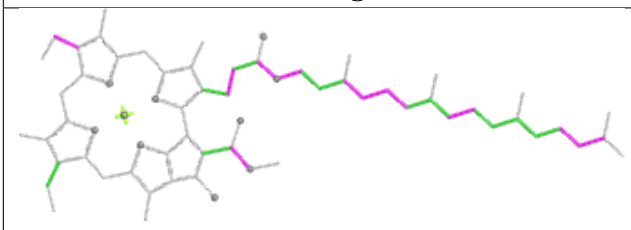
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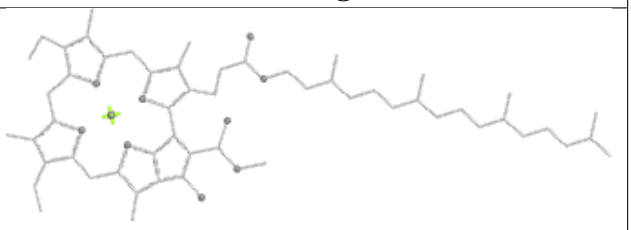
Bond lengths



Bond angles

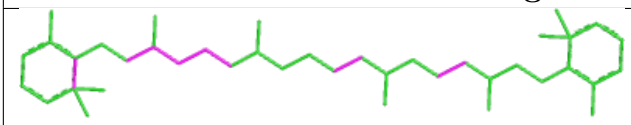


Torsions



Rings

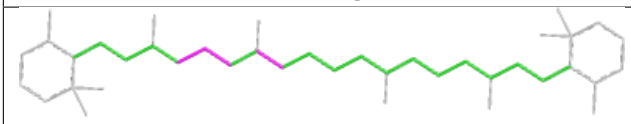
Ligand BCR F 203



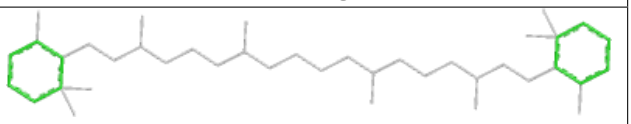
Bond lengths



Bond angles

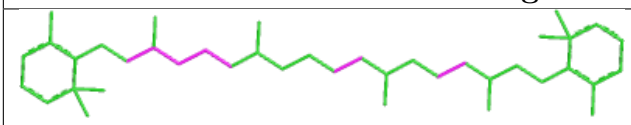


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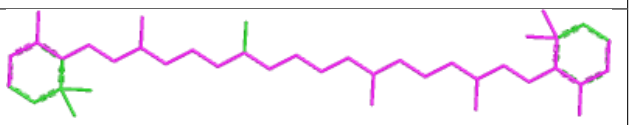


Rings

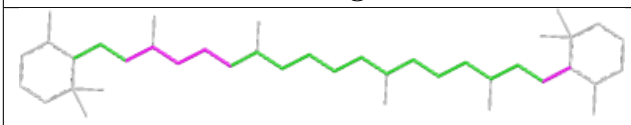
Ligand BCR G 847



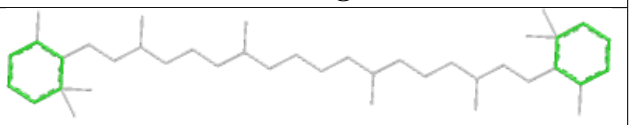
Bond lengths



Bond angles

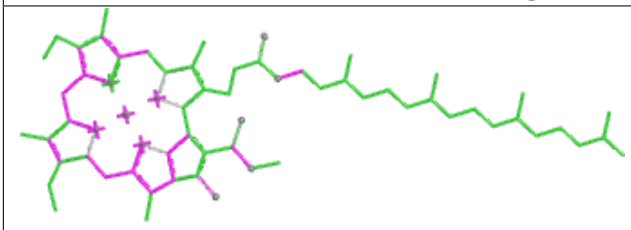


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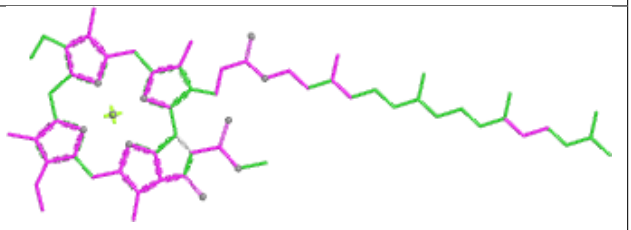


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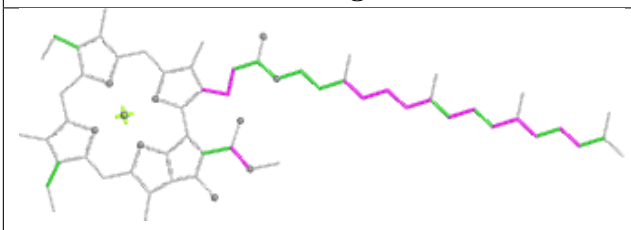
Ligand CLA G 809



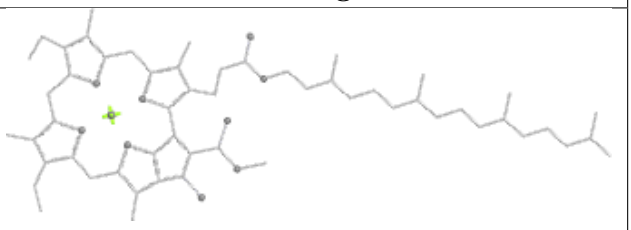
Bond lengths



Bond angles

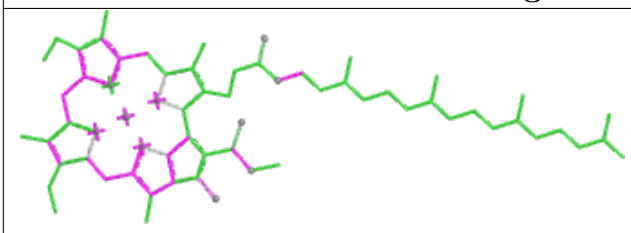


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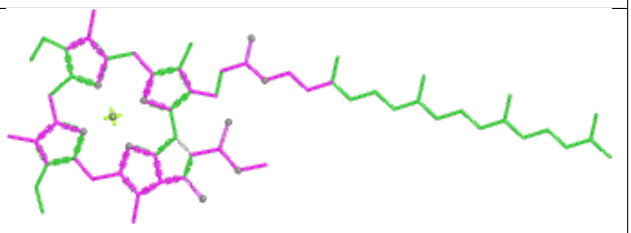


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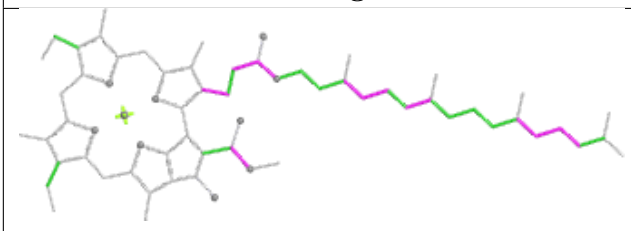
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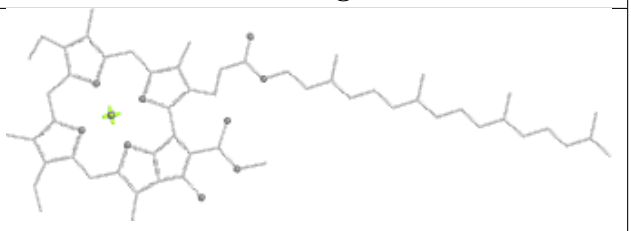
Bond lengths



Bond angles

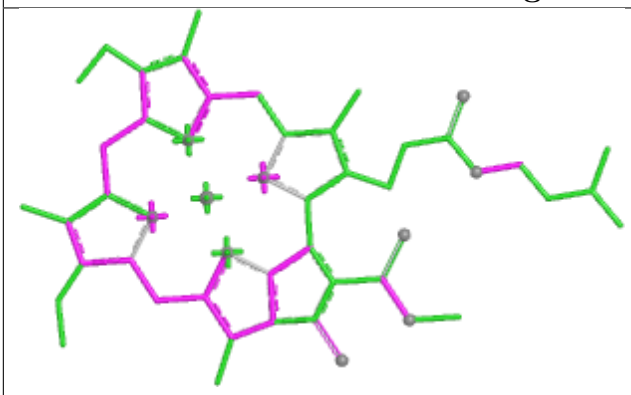


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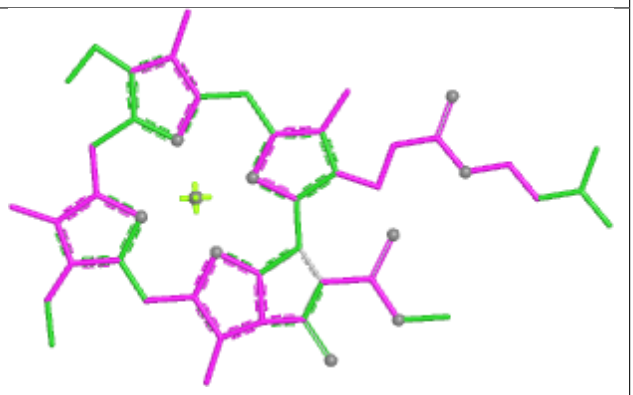


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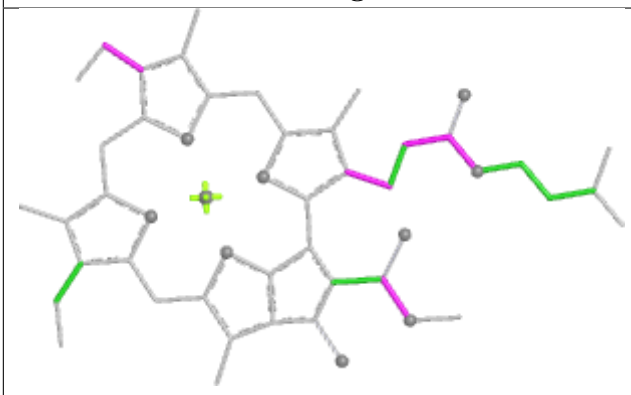
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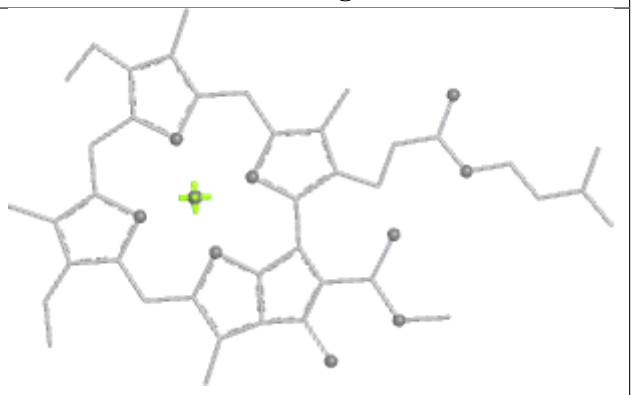
Bond lengths



Bond angles

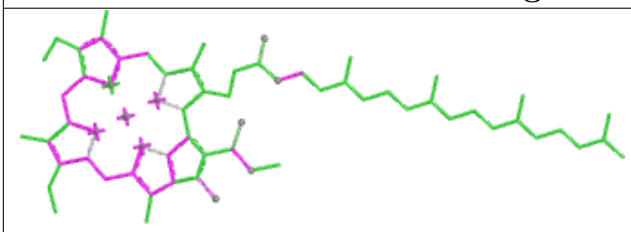


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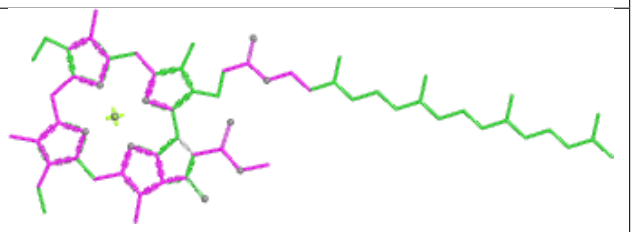


Rings

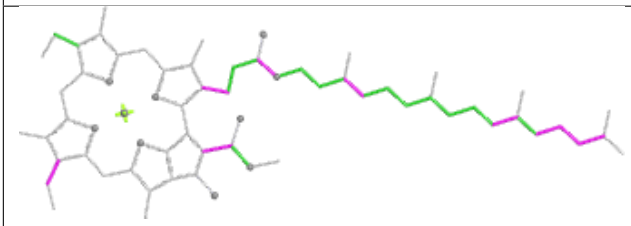
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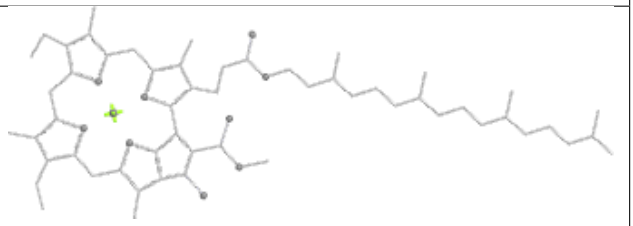
Bond lengths



Bond angles

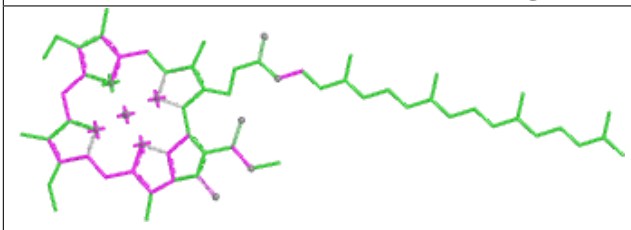


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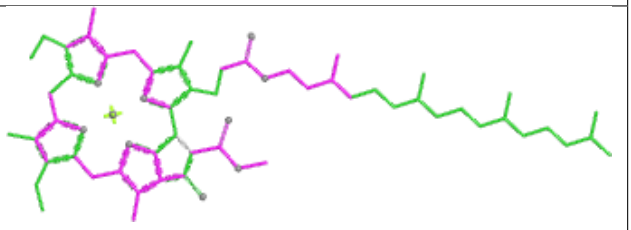


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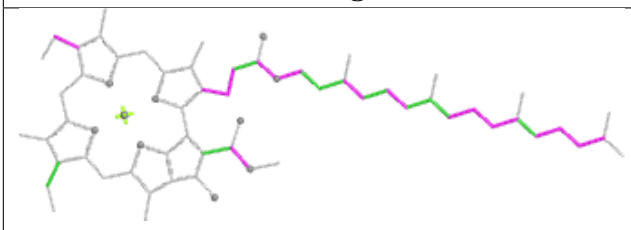
Ligand CLA B 827



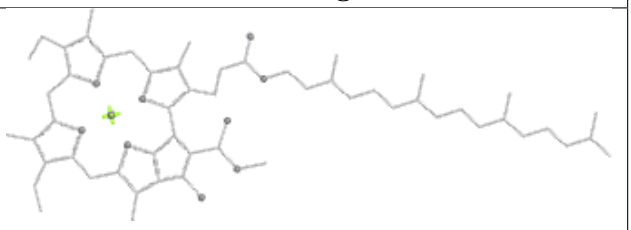
Bond lengths



Bond angles

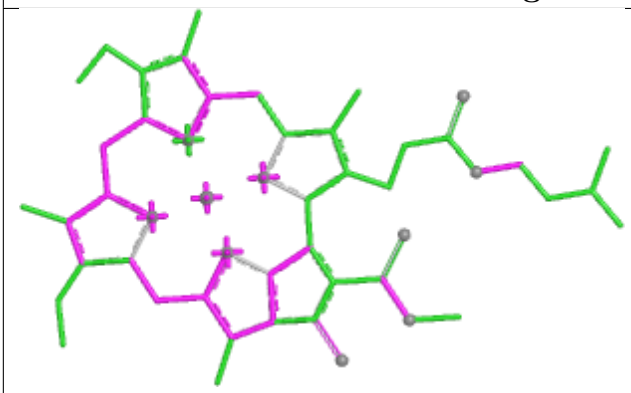


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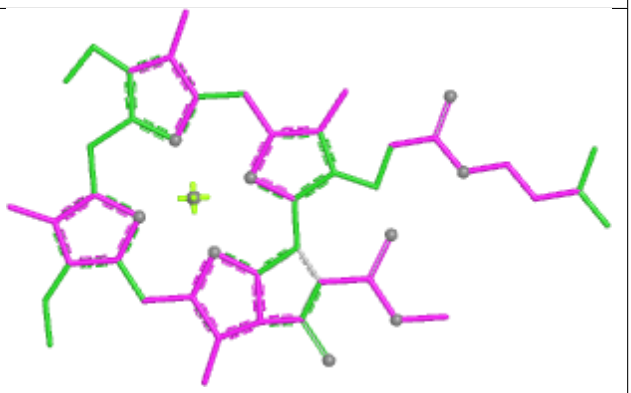


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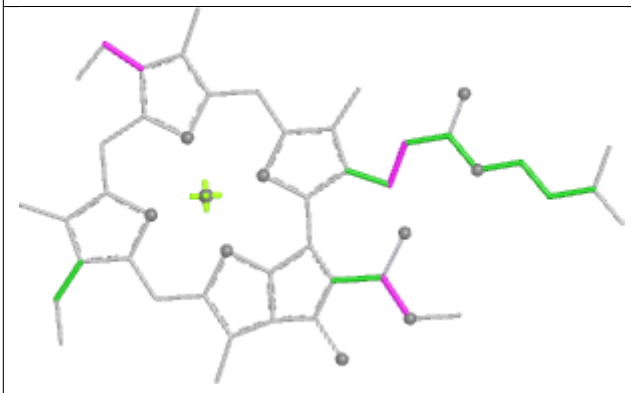
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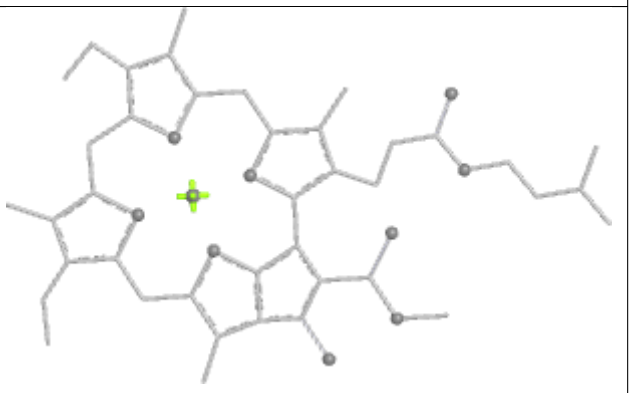
Bond lengths



Bond angles

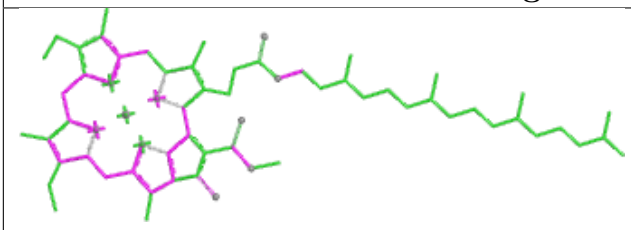


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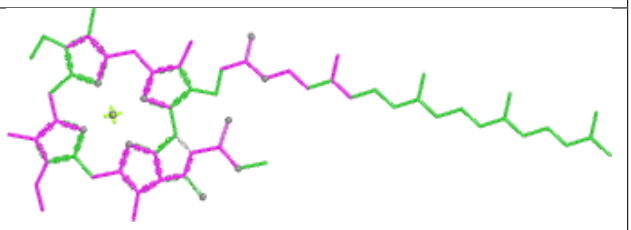


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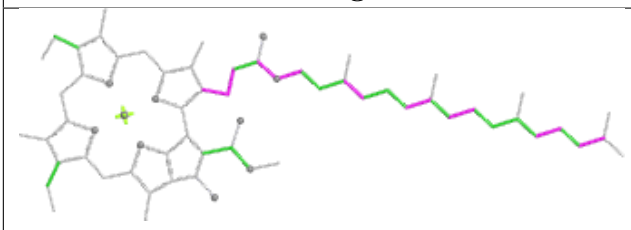
Ligand CLA G 822



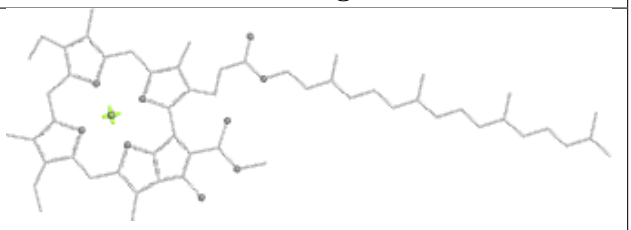
Bond lengths



Bond angles

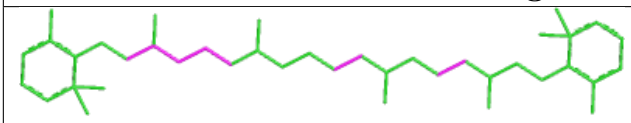


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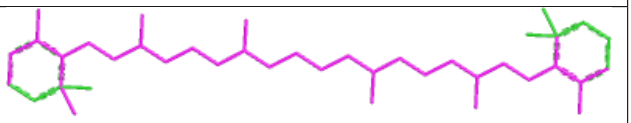


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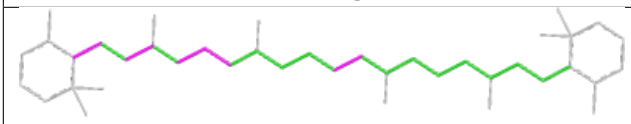
Ligand BCR J 103



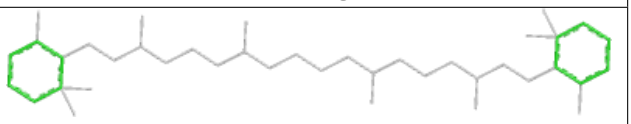
Bond lengths



Bond angles

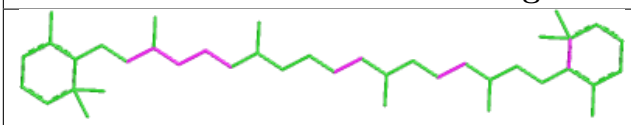


Torsions

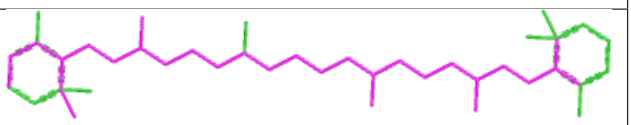


Rings

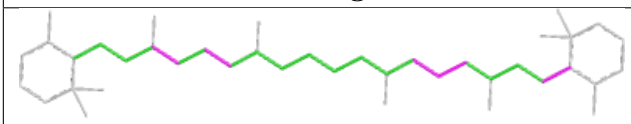
Ligand BCR B 843



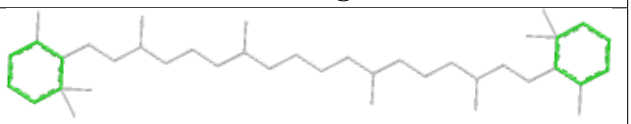
Bond lengths



Bond angles

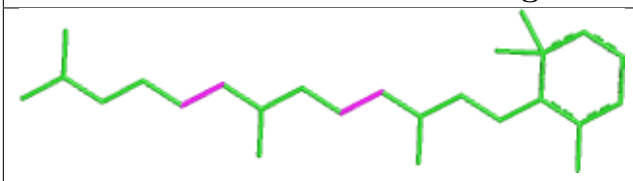


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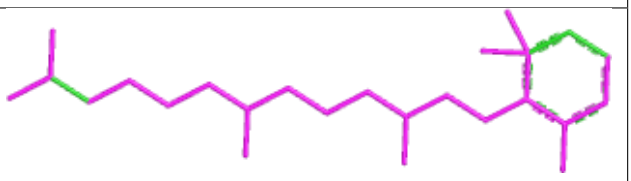


Rings

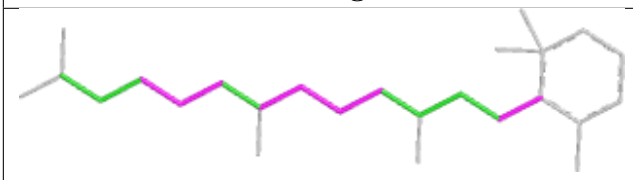
Ligand BCR H 845



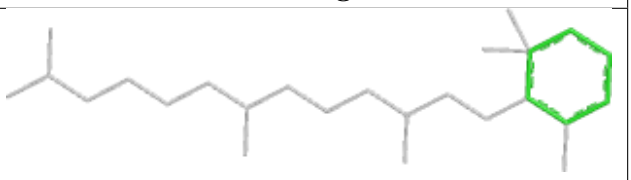
Bond lengths



Bond angles

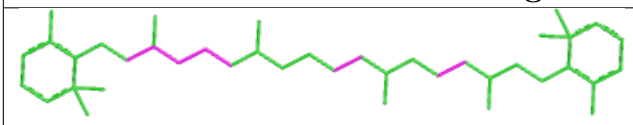


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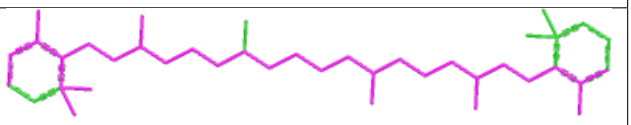


Rings

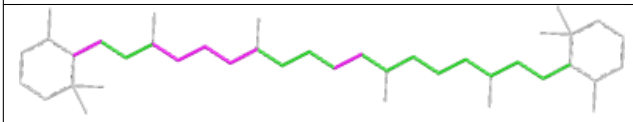
Ligand BCR L 208



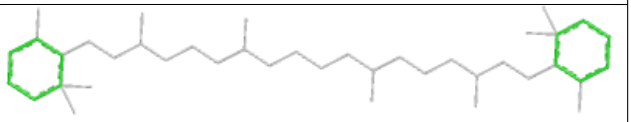
Bond lengths



Bond angles

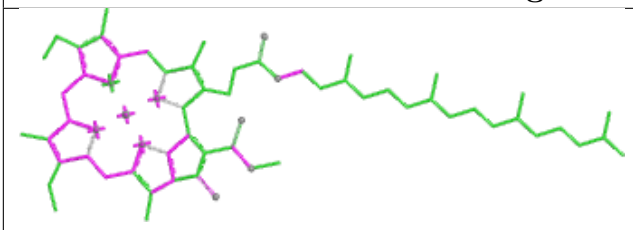


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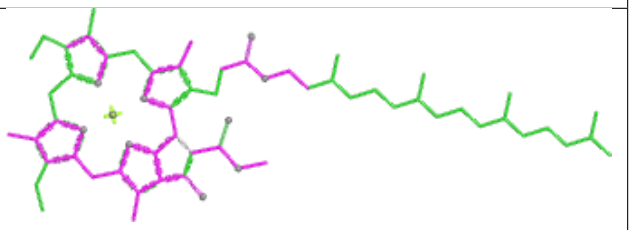


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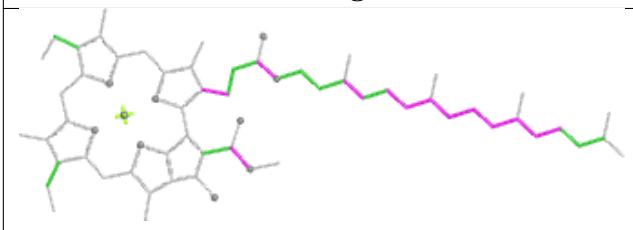
Ligand CLA Z 814



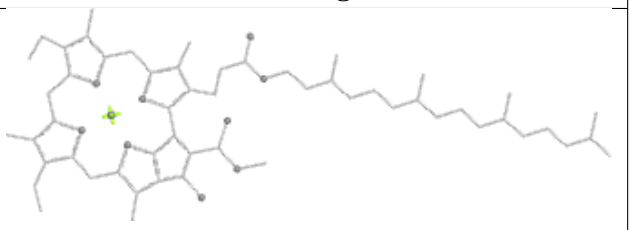
Bond lengths



Bond angles

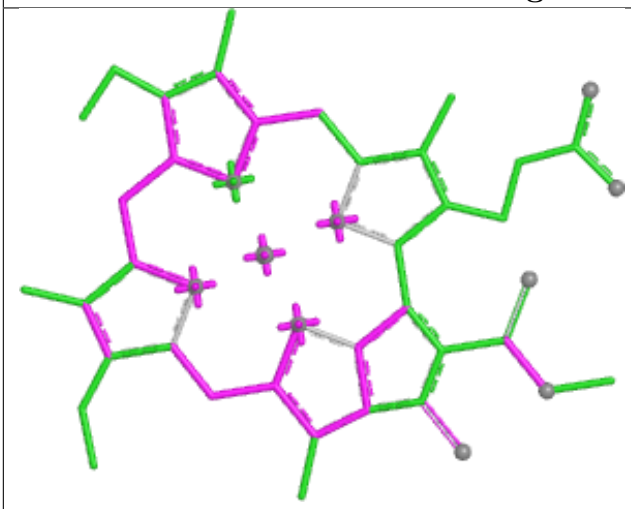


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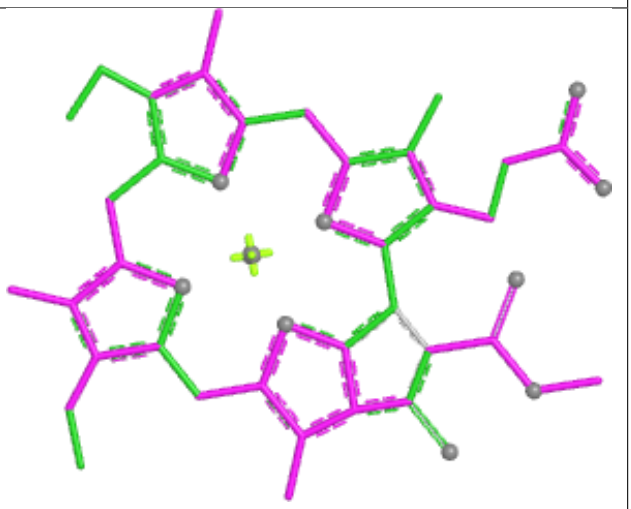


Rings

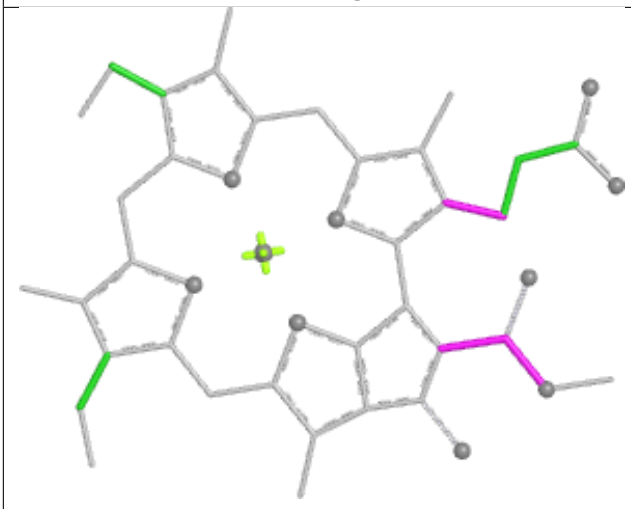
Ligand CLA Z 834



Bond lengths



Bond angles

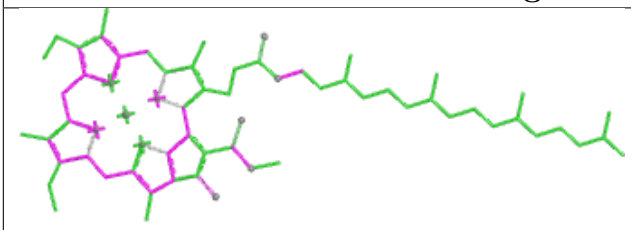


Torsions

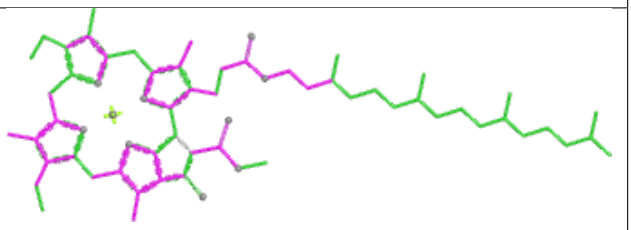


Rings

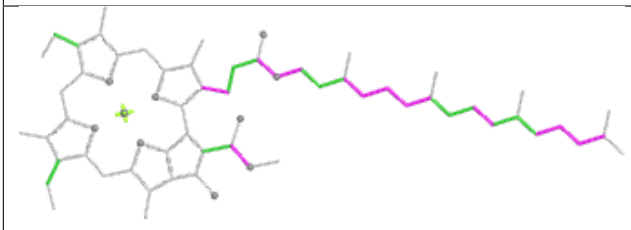
Ligand CLA Y 819



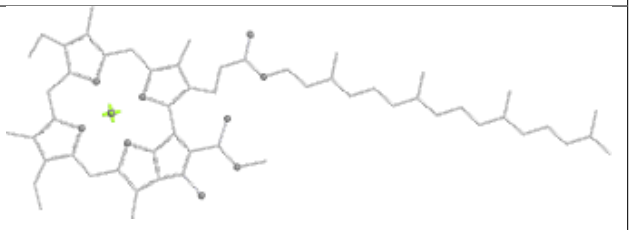
Bond lengths



Bond angles

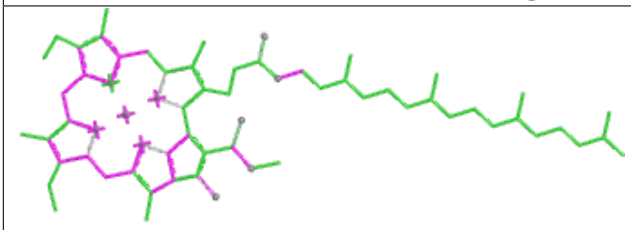


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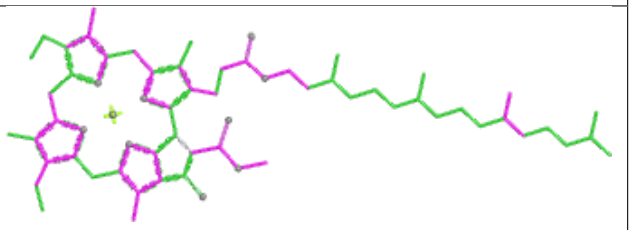


Rings

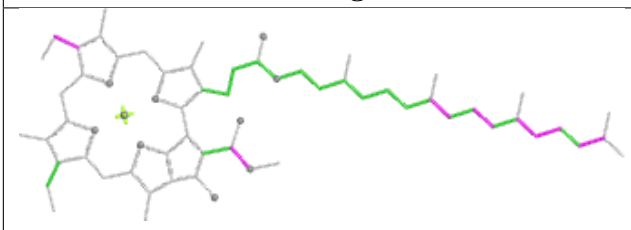
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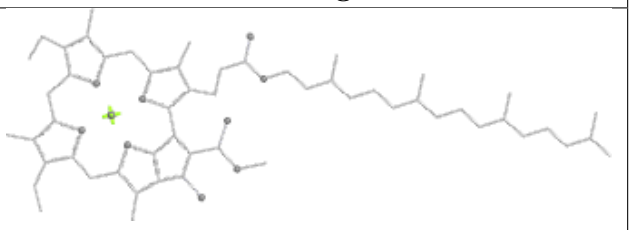
Bond lengths



Bond angles

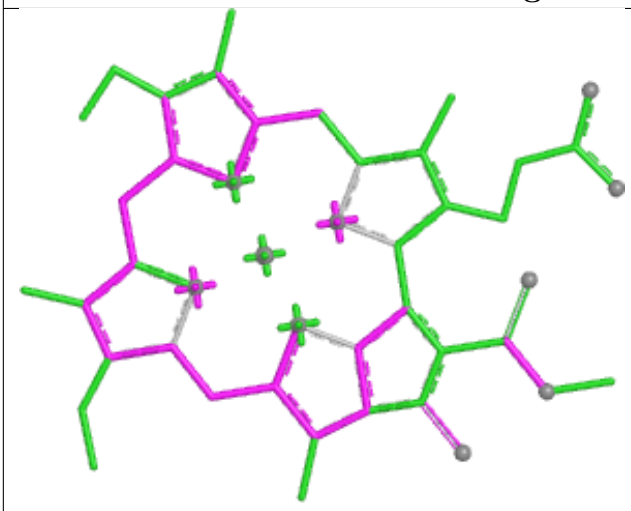


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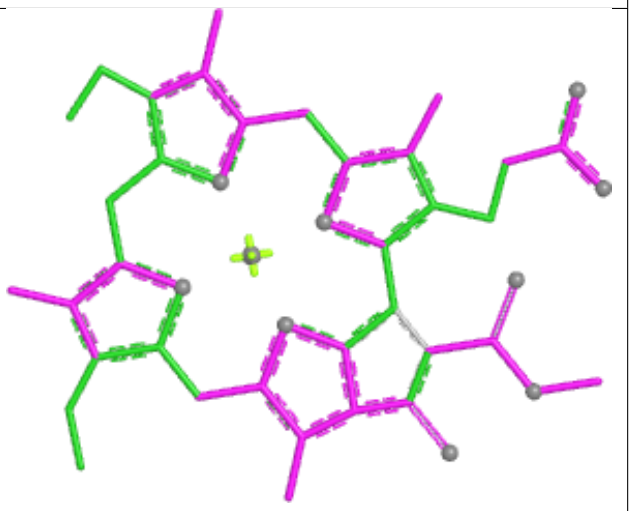


Rings

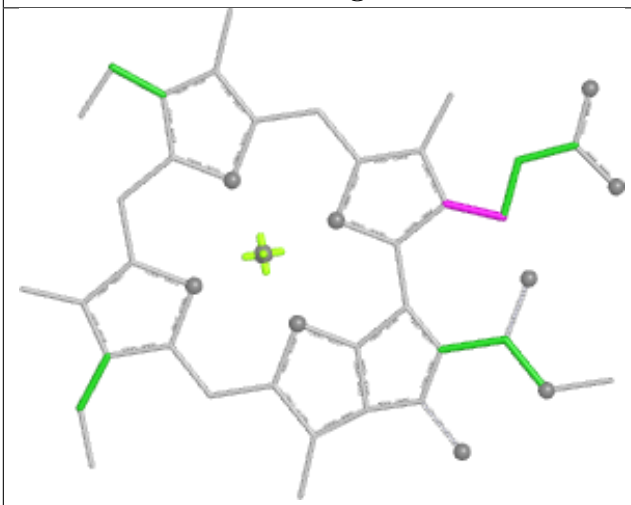
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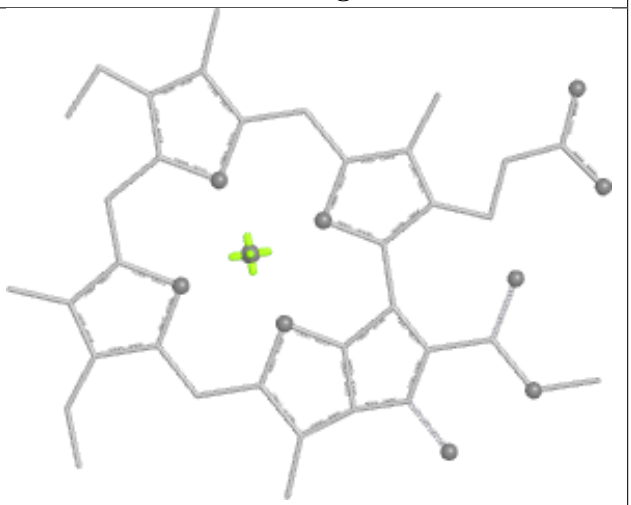
Bond lengths



Bond angles

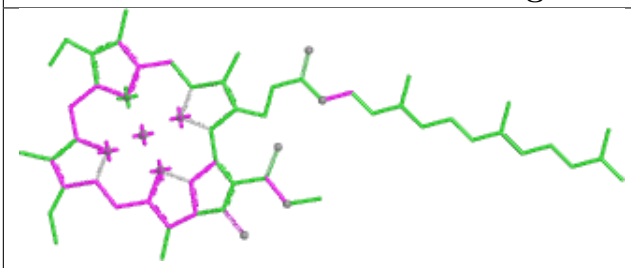


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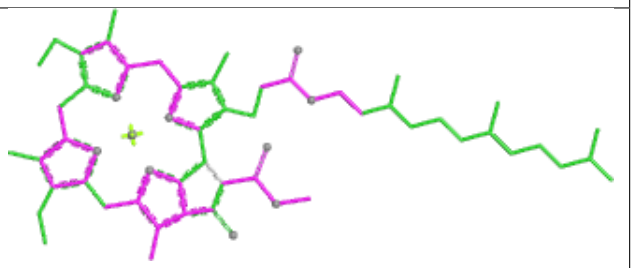


Rings

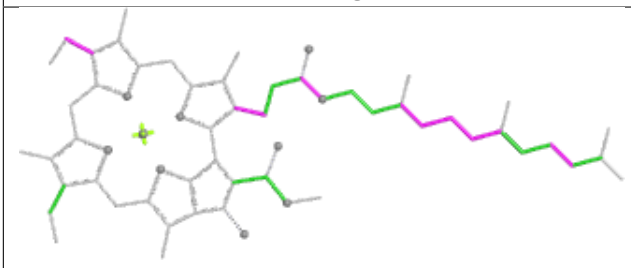
Ligand CLA Z 820



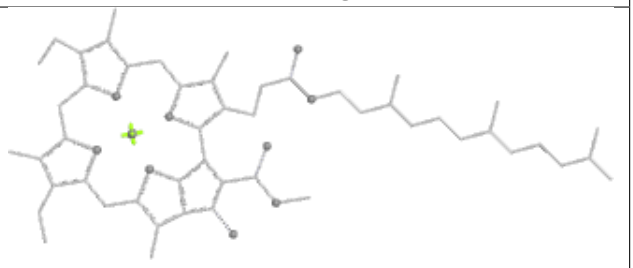
Bond lengths



Bond angles

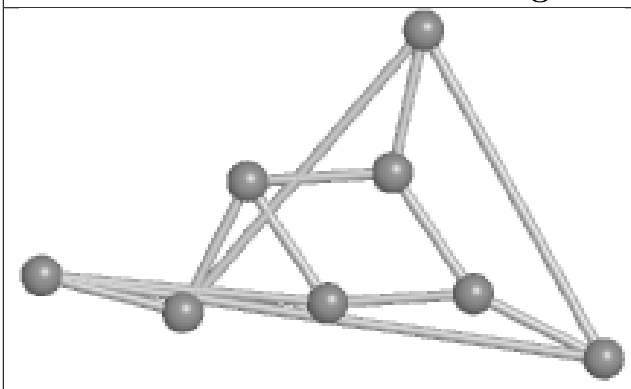


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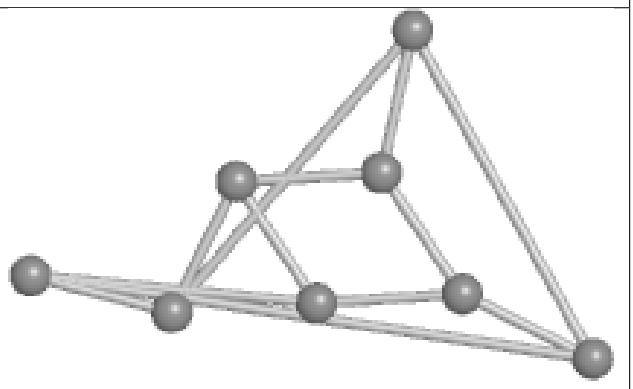


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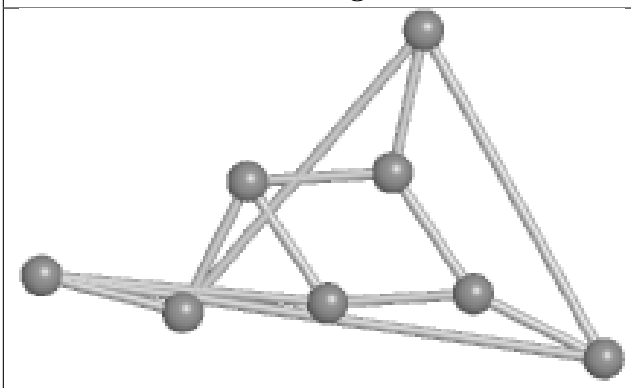
Ligand SF4 C 101



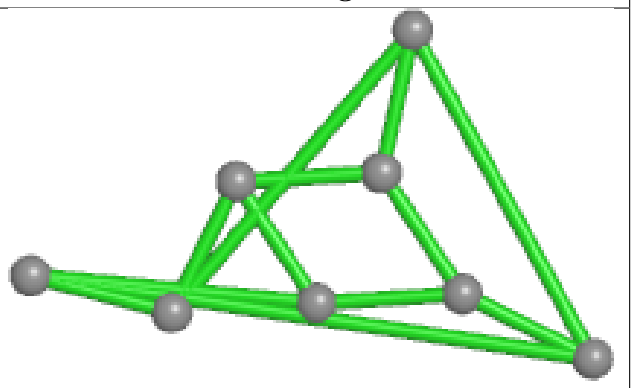
Bond lengths



Bond angles

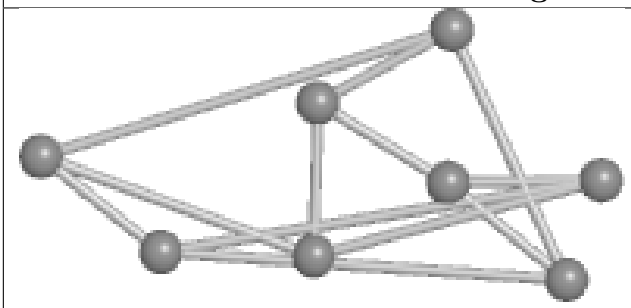


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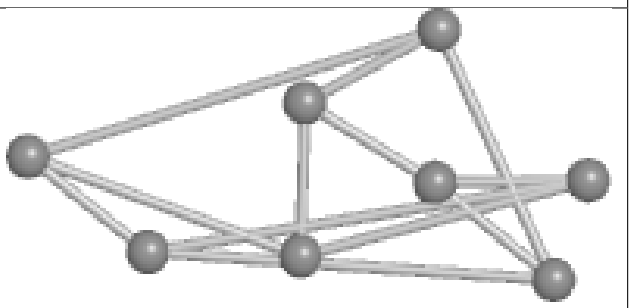


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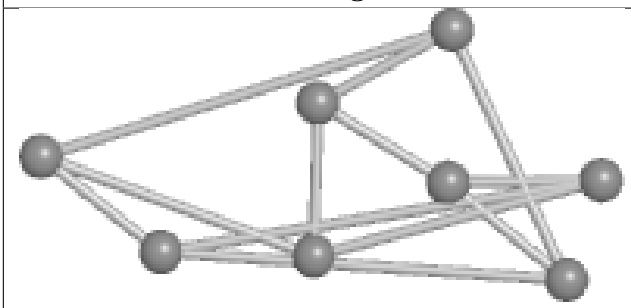
Ligand SF4 N 101



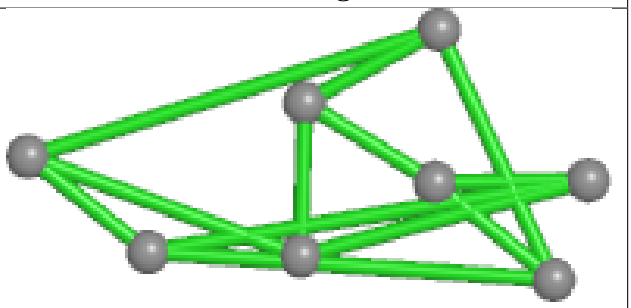
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Bond angles

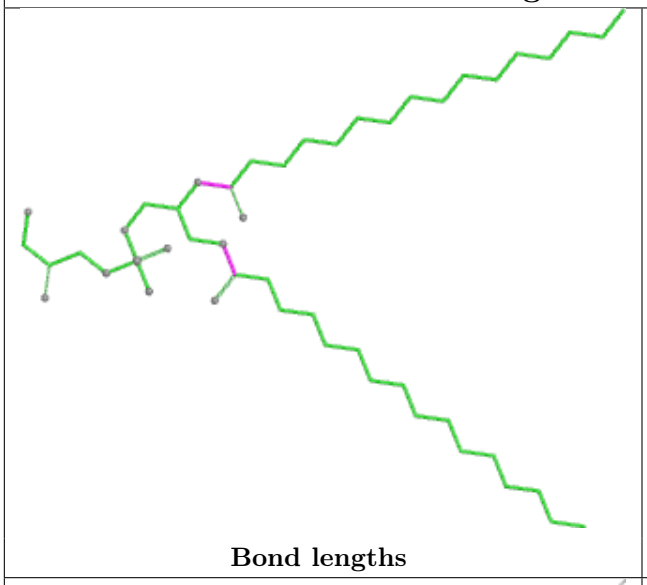


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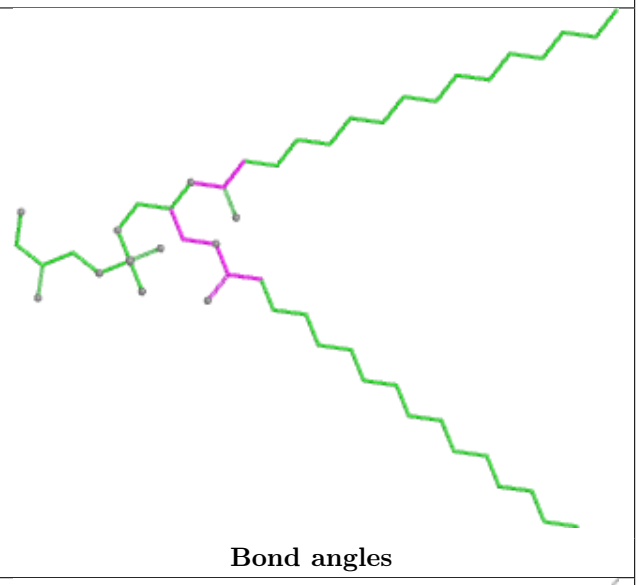


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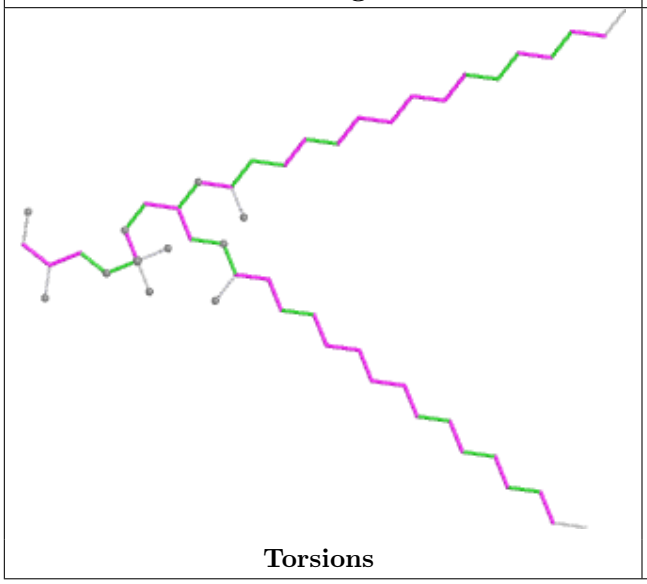
Ligand LHG Y 850



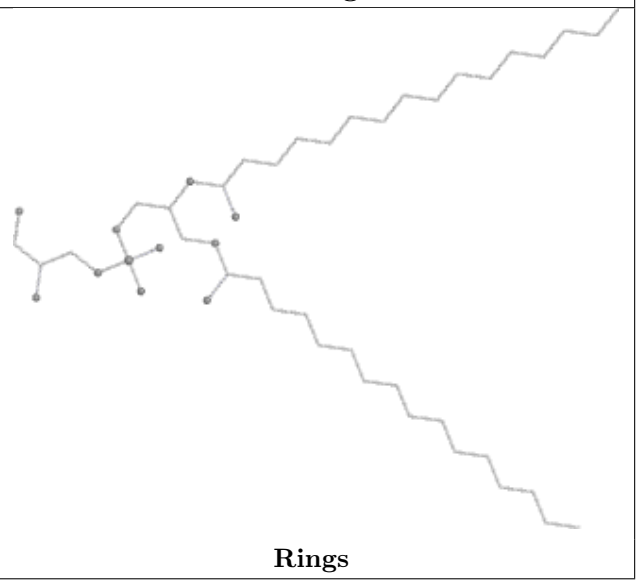
Bond lengths



Bond angles

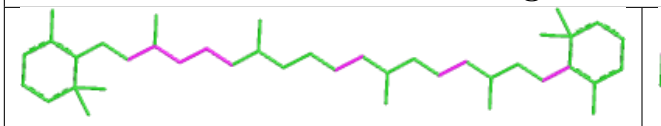


Torsions



Rings

Ligand BCR R 101



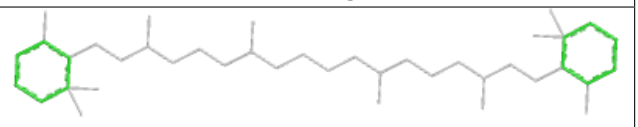
Bond lengths



Bond angles

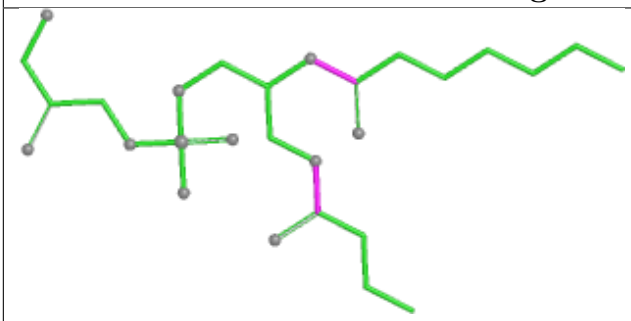


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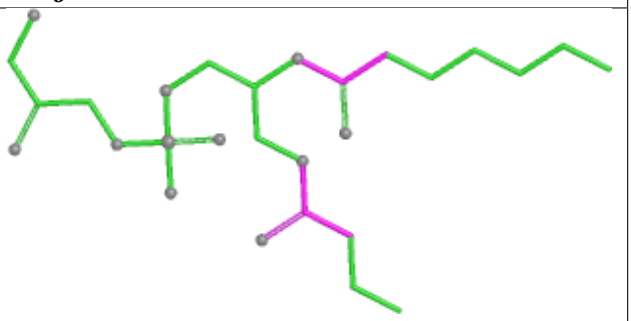


Rings

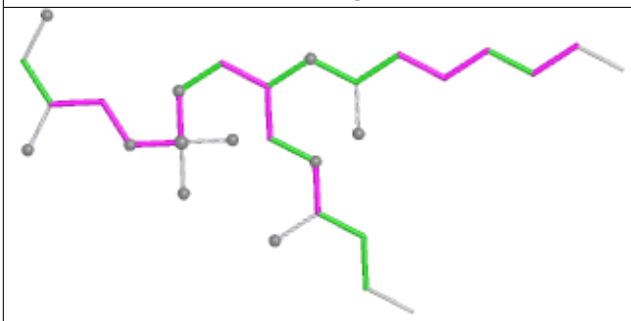
Ligand LHG j 101



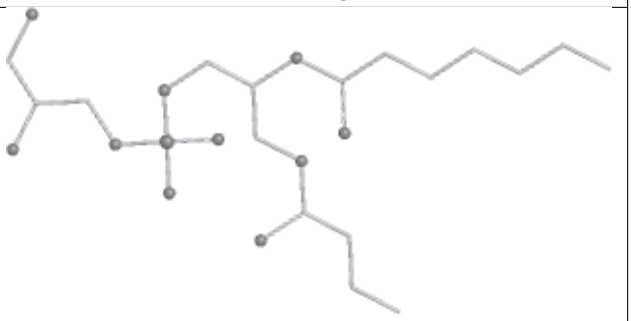
Bond lengths



Bond angles

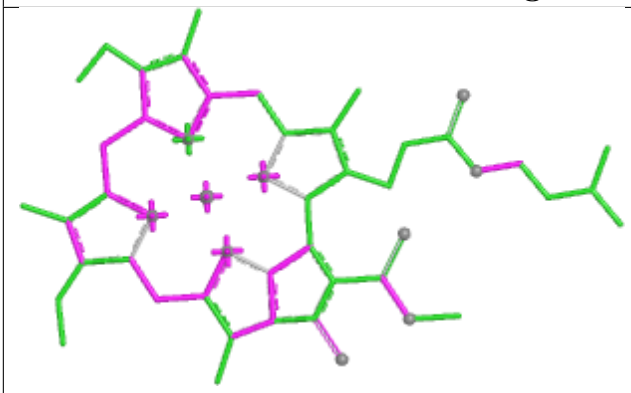


Torsions

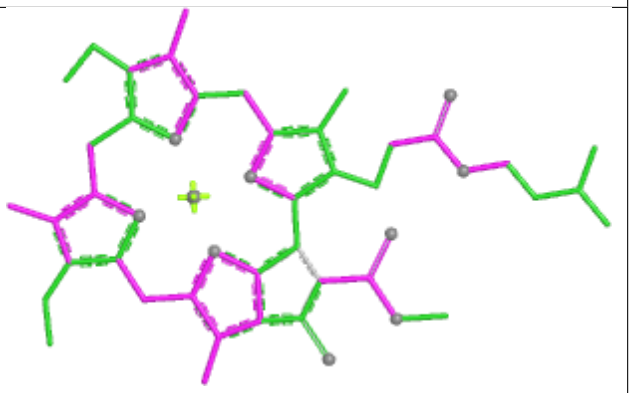


Rings

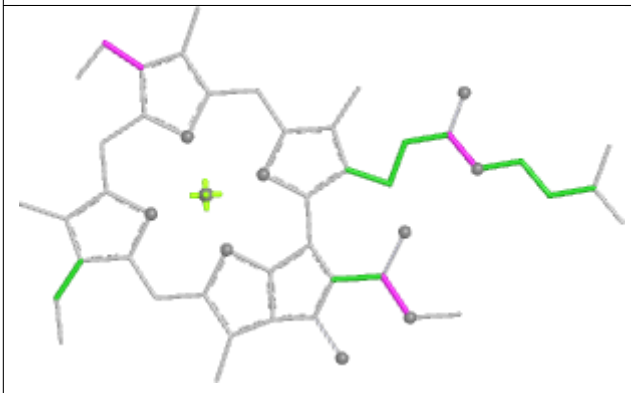
Ligand CLA Y 831



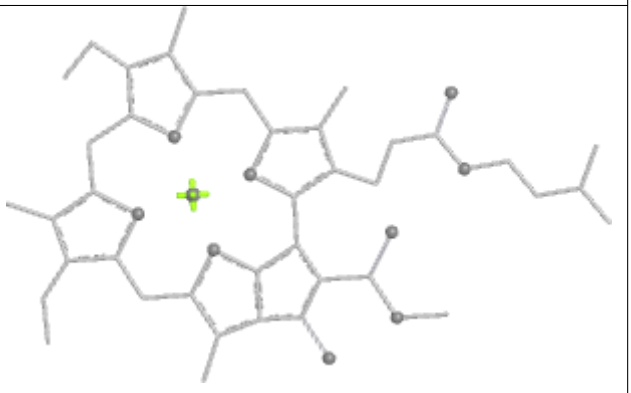
Bond lengths



Bond angles

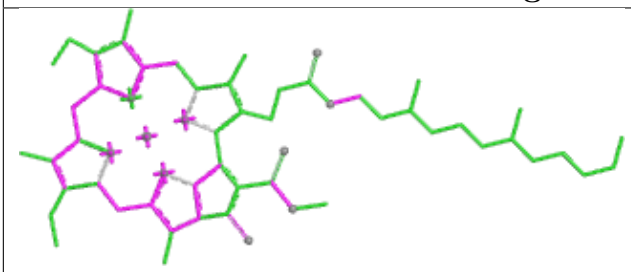


Torsions

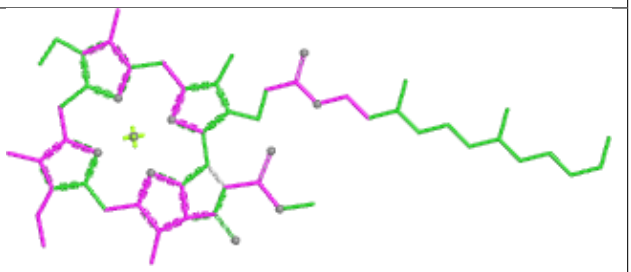


Rings

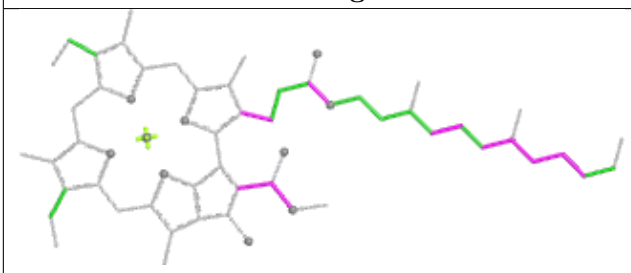
Ligand CLA Y 804



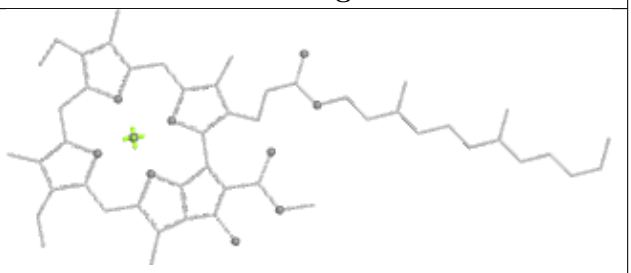
Bond lengths



Bond angles

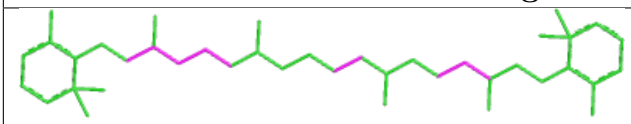


Torsions

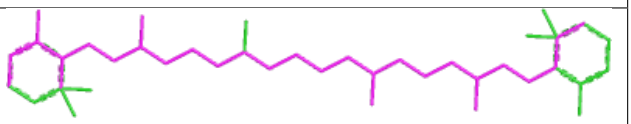


Rings

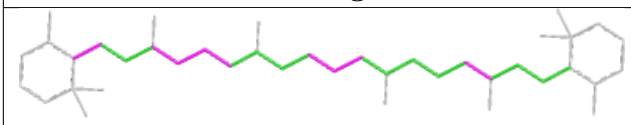
Ligand BCR H 844



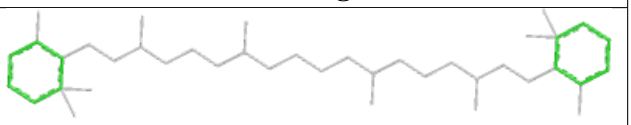
Bond lengths



Bond angles

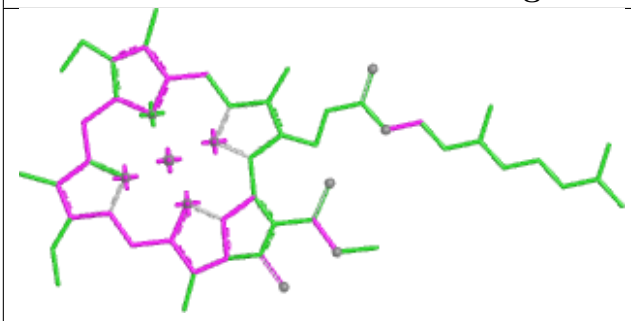


Torsions

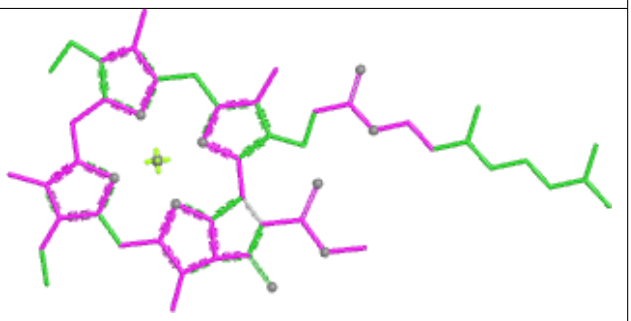


Rings

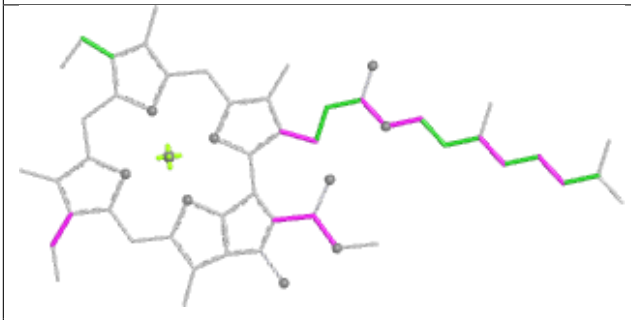
Ligand CLA H 824



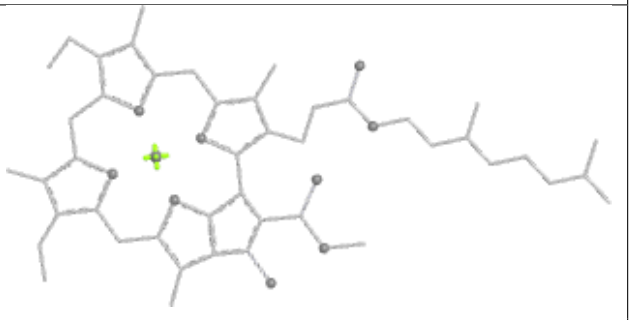
Bond lengths



Bond angles

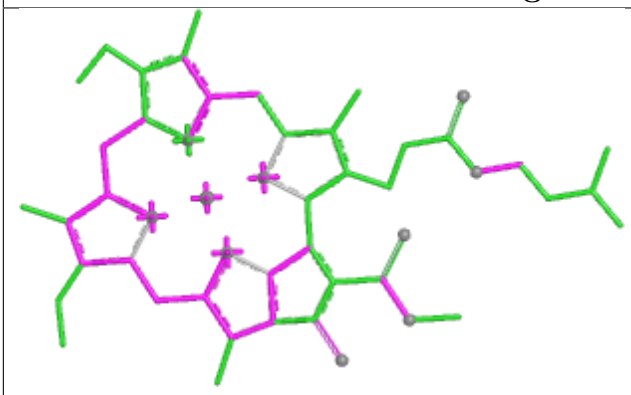


Torsions

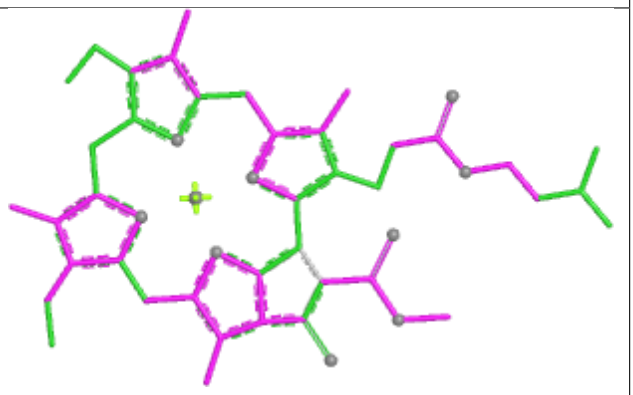


Rings

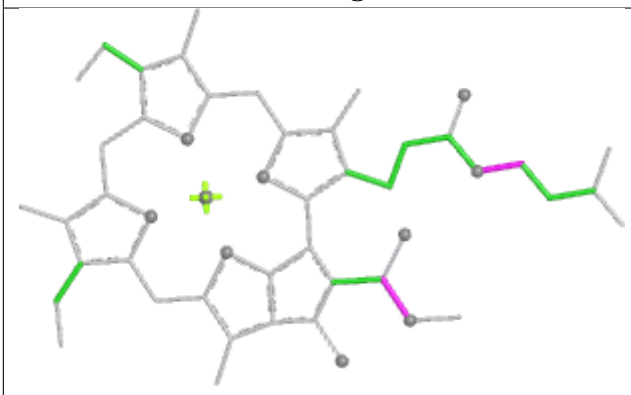
Ligand CLA A 840



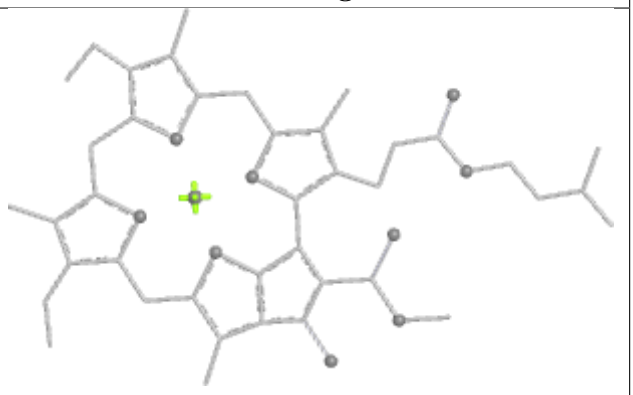
Bond lengths



Bond angles

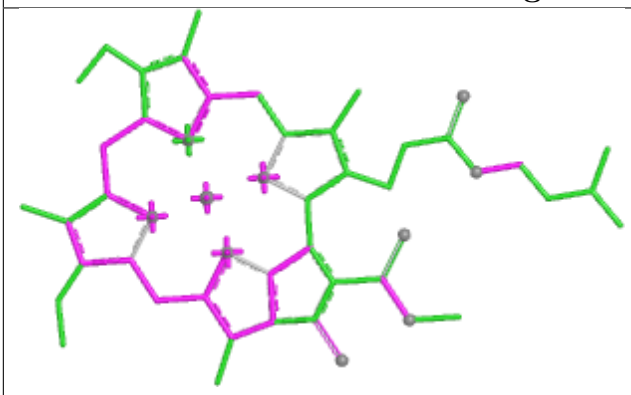


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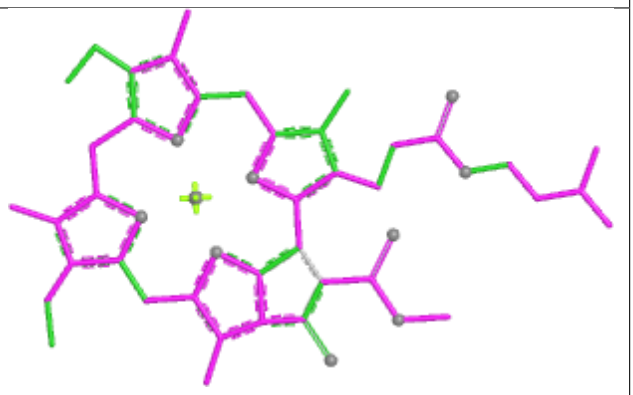


Rings

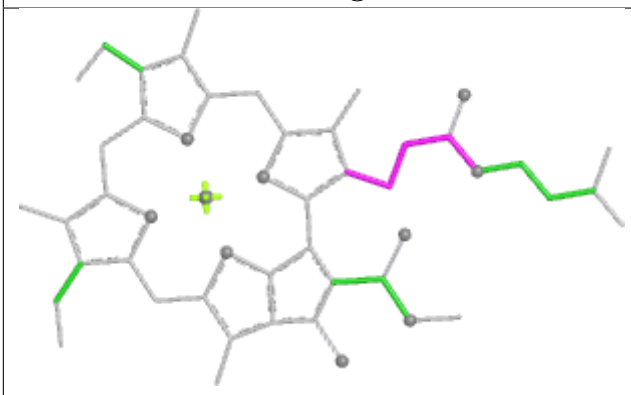
Ligand CLA A 838



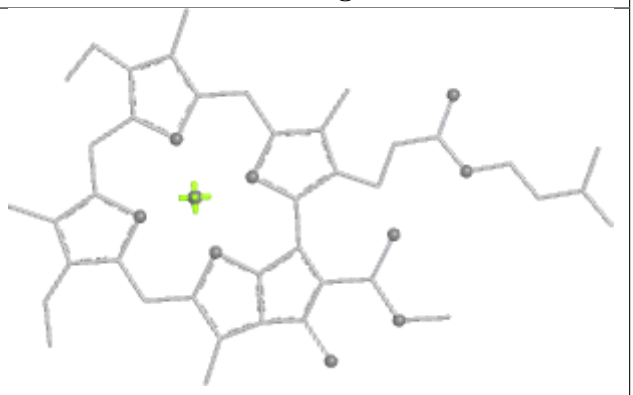
Bond lengths



Bond angles

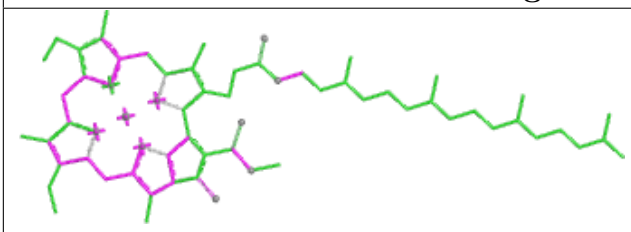


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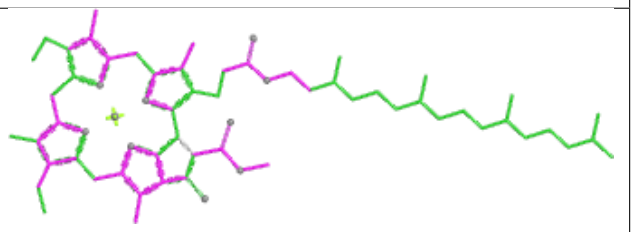


Rings

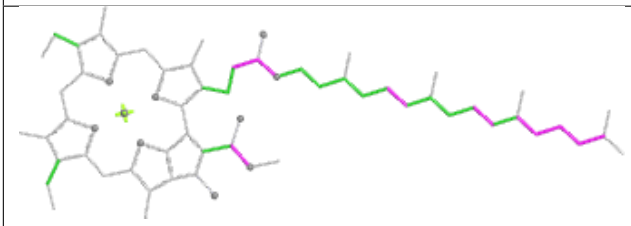
Ligand CLA Y 829



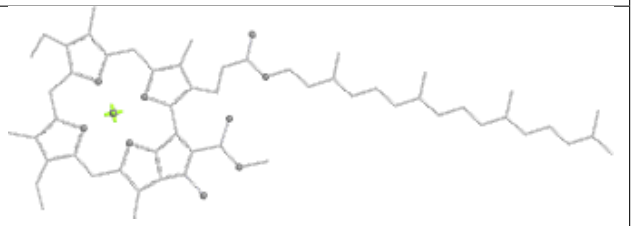
Bond lengths



Bond angles

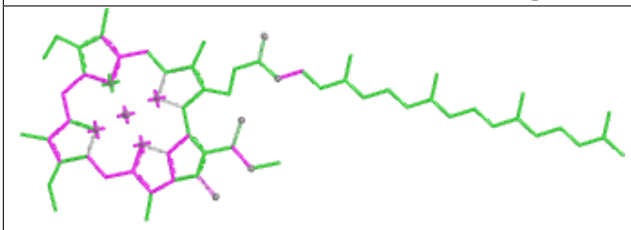


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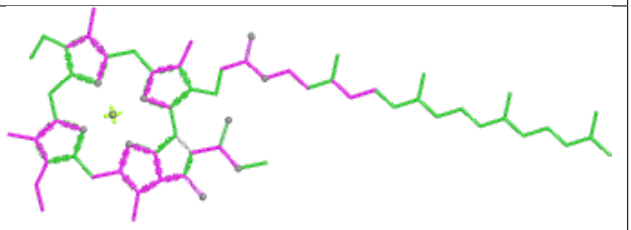


Rings

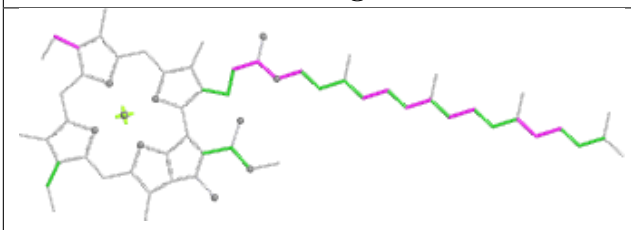
Ligand CLA Z 838



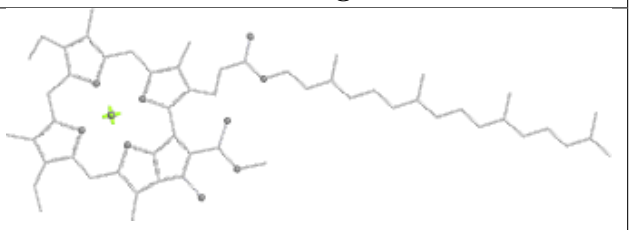
Bond lengths



Bond angles

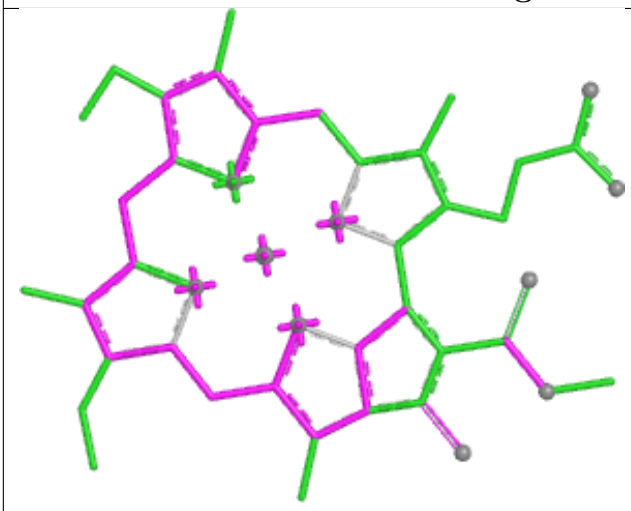


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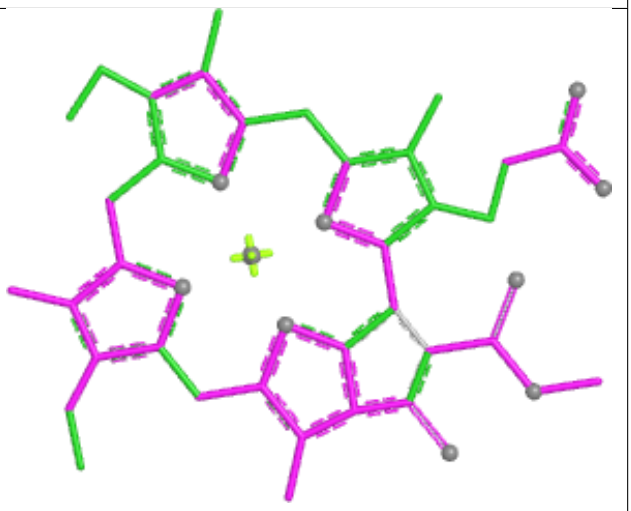


Rings

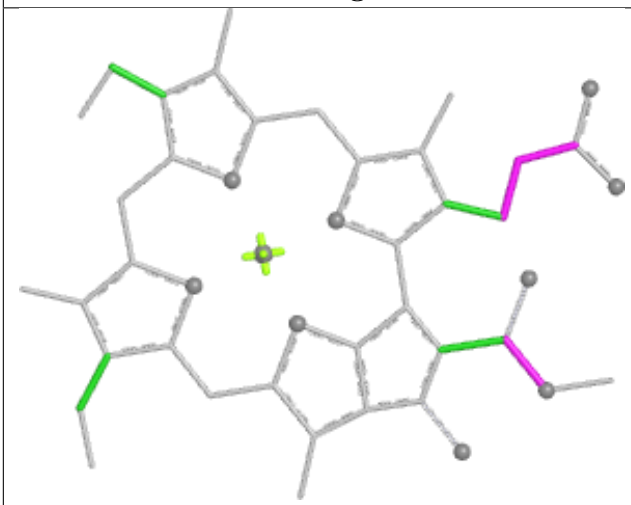
Ligand CLA X 1701



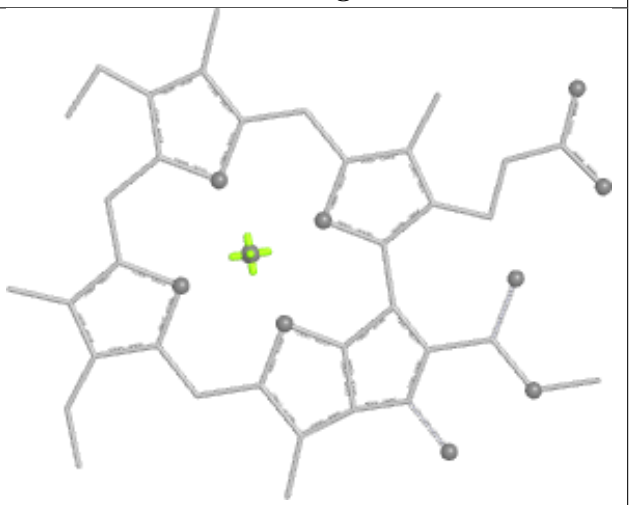
Bond lengths



Bond angles

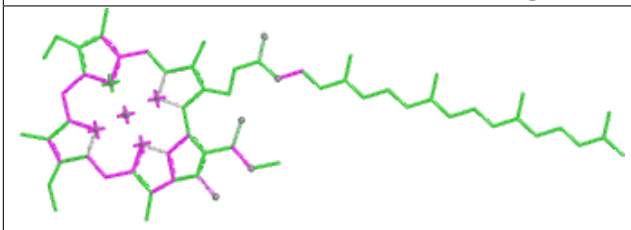


Torsions

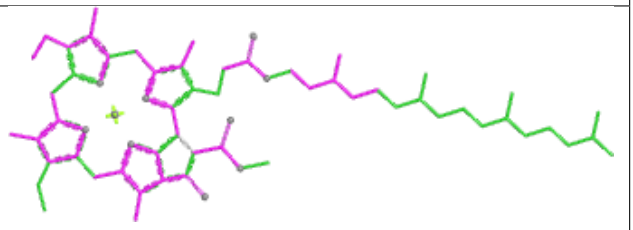


Rings

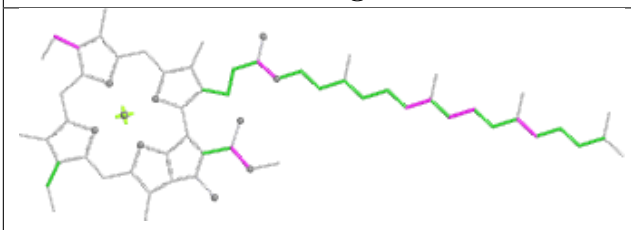
Ligand CLA A 833



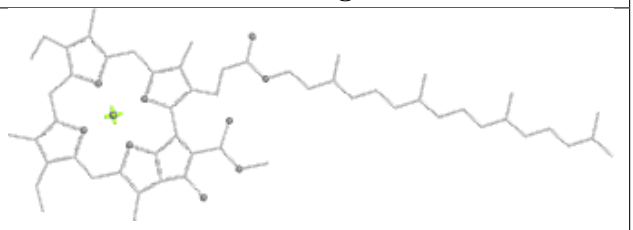
Bond lengths



Bond angles

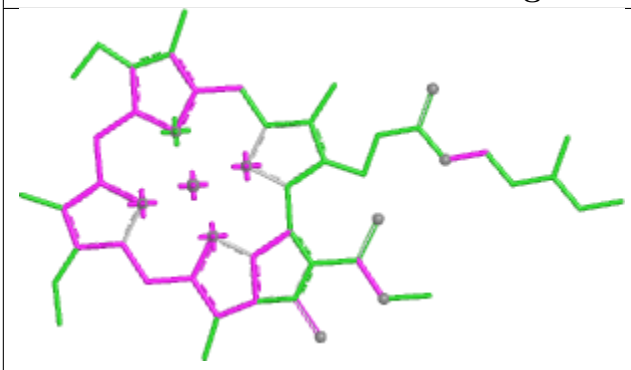


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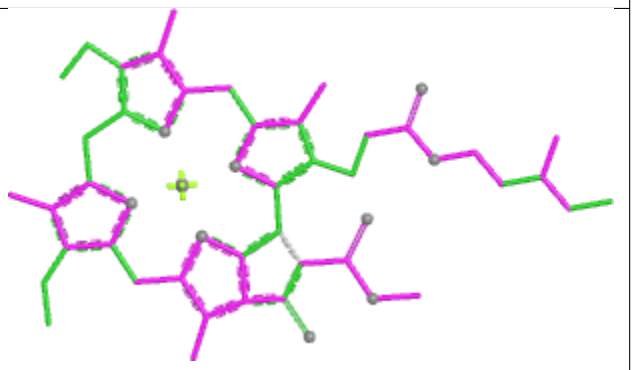


Rings

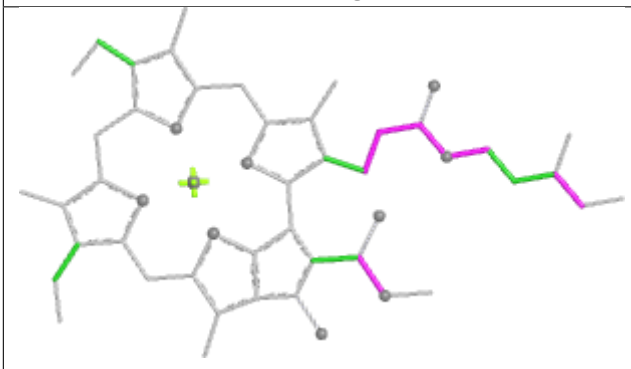
Ligand CLA Y 807



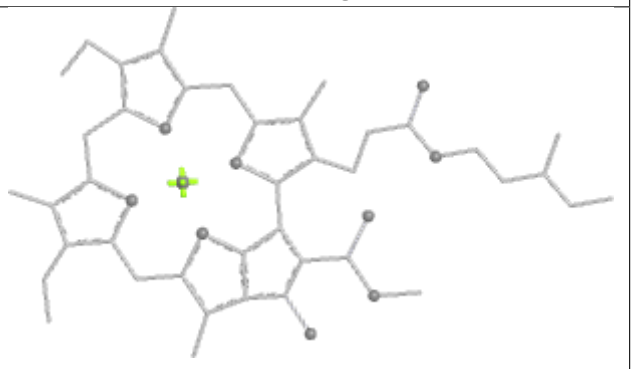
Bond lengths



Bond angles

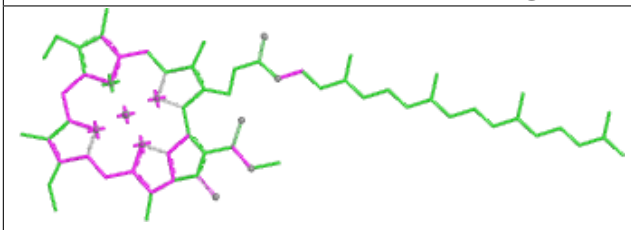


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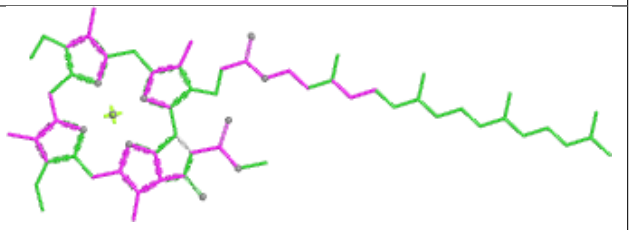


Rings

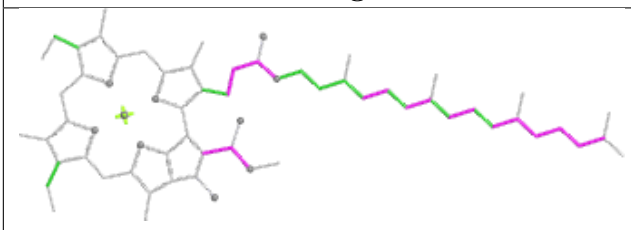
Ligand CLA G 837



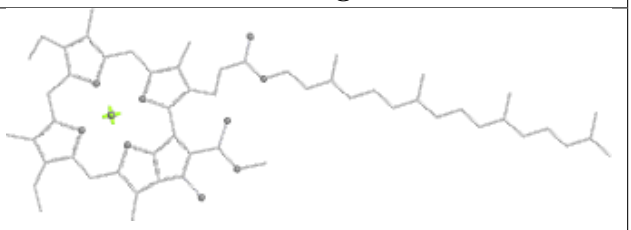
Bond lengths



Bond angles

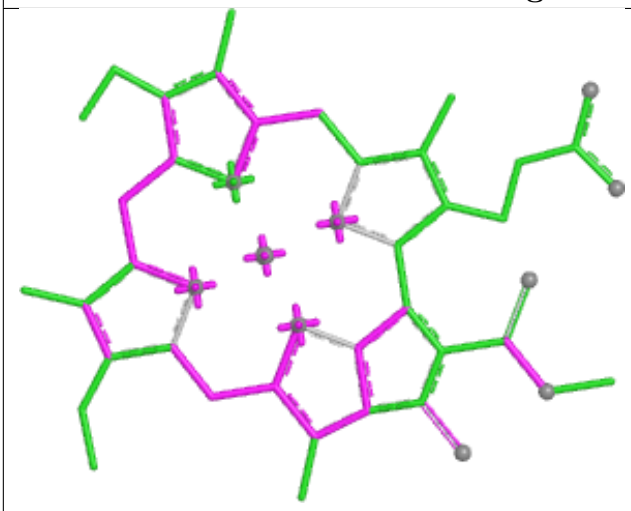


Torsions

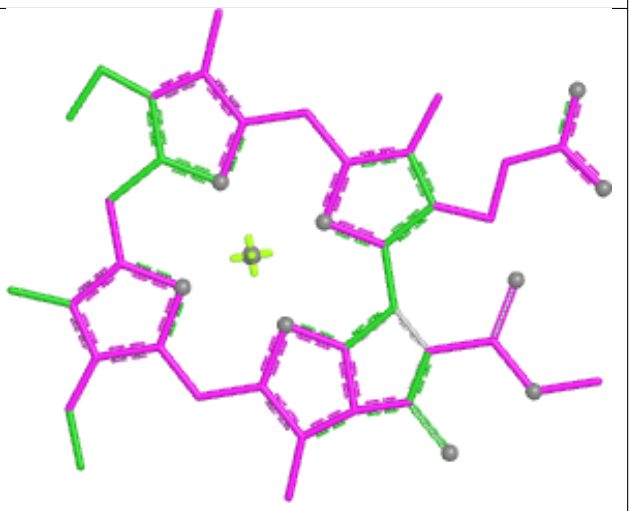


Rings

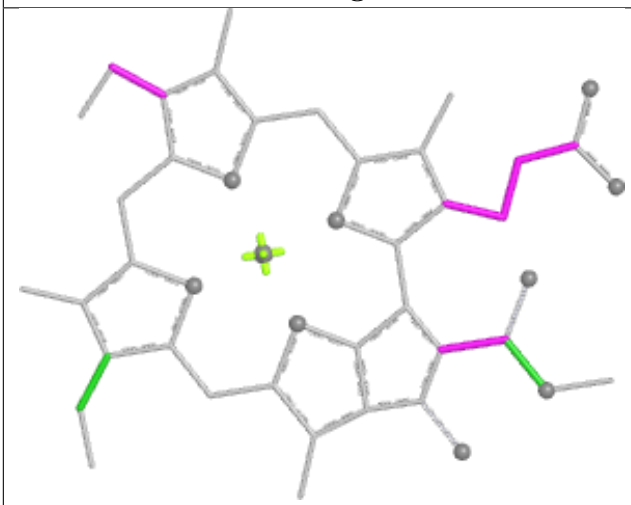
Ligand CLA Z 821



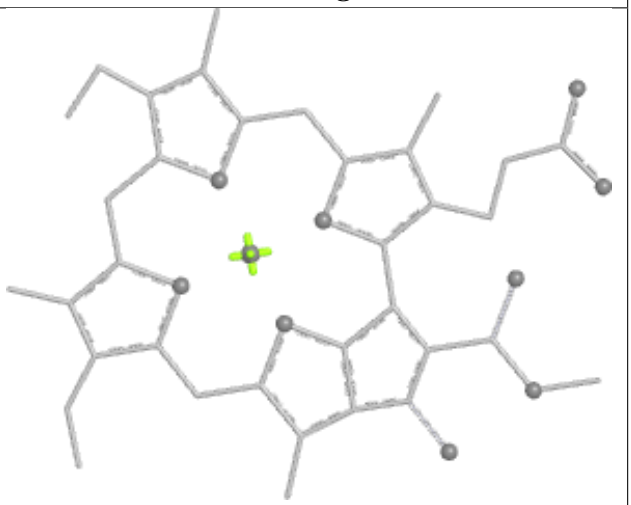
Bond lengths



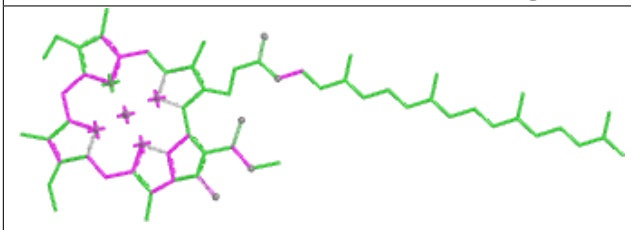
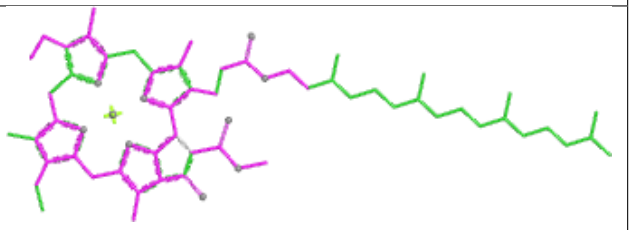
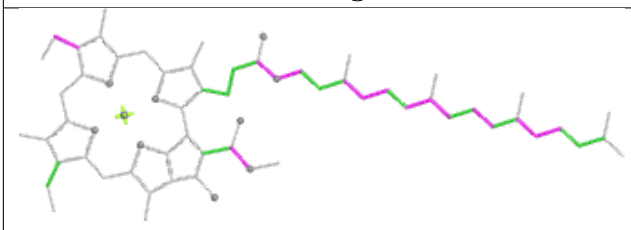
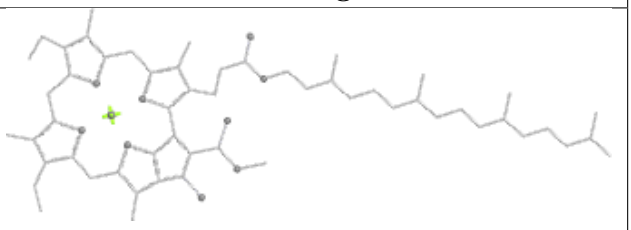
Bond angles

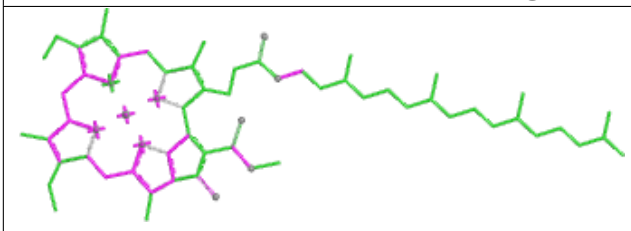
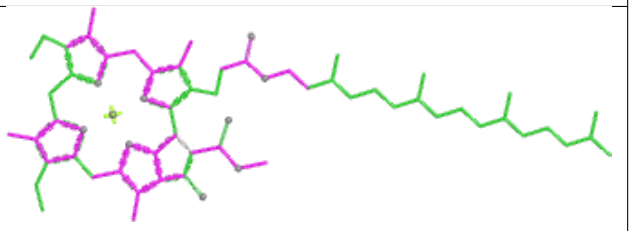
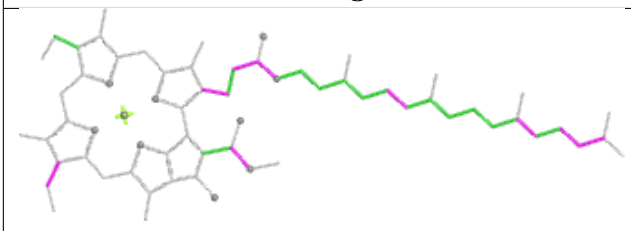
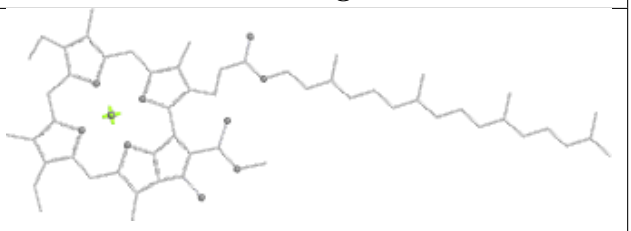


Torsions

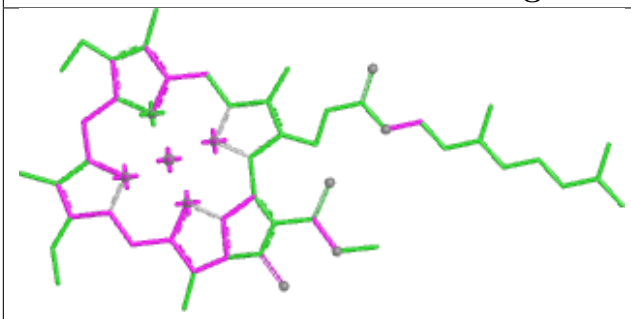


Rings

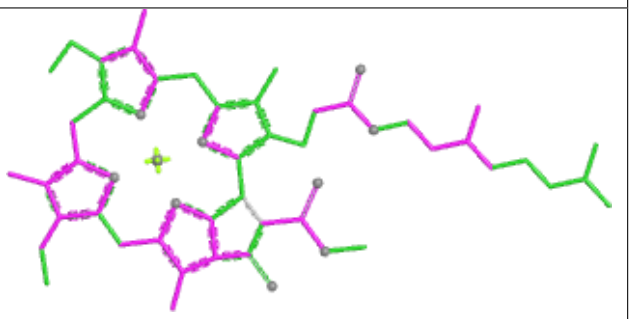
Ligand CLA B 809	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA Y 828	
	
Bond lengths	Bond angles
	
Torsions	Rings

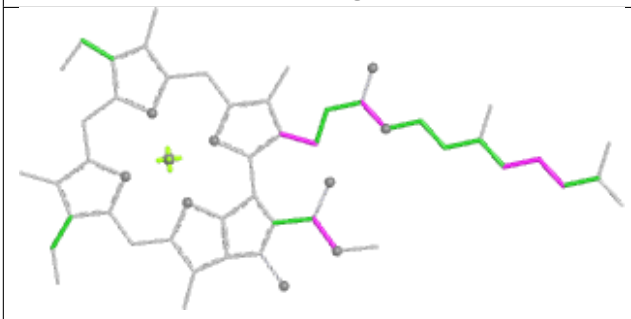
Ligand CLA Y 812



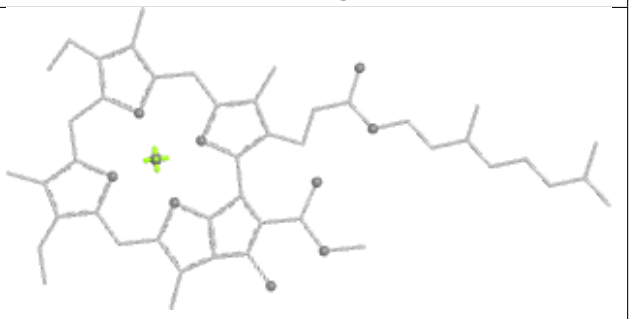
Bond lengths



Bond angles

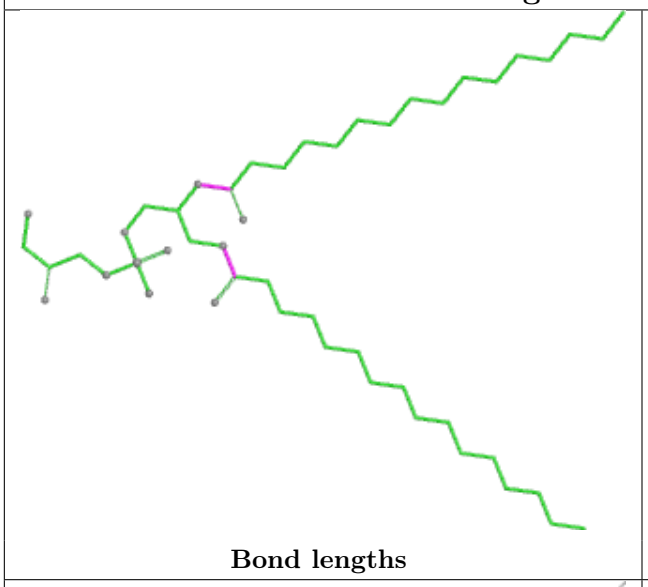


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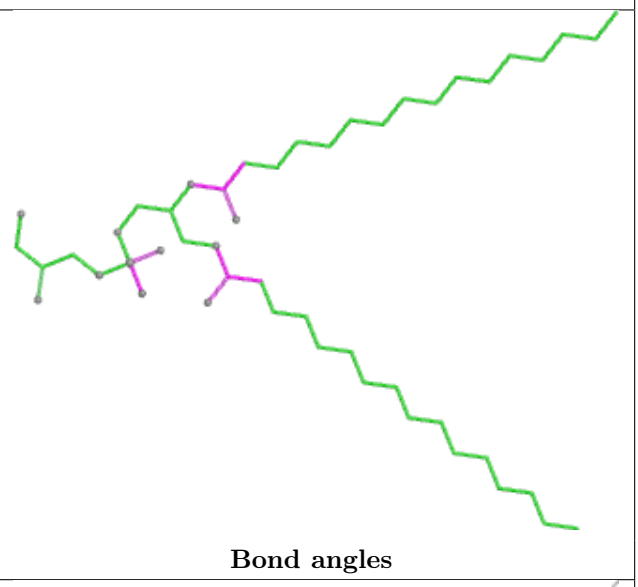


Rings

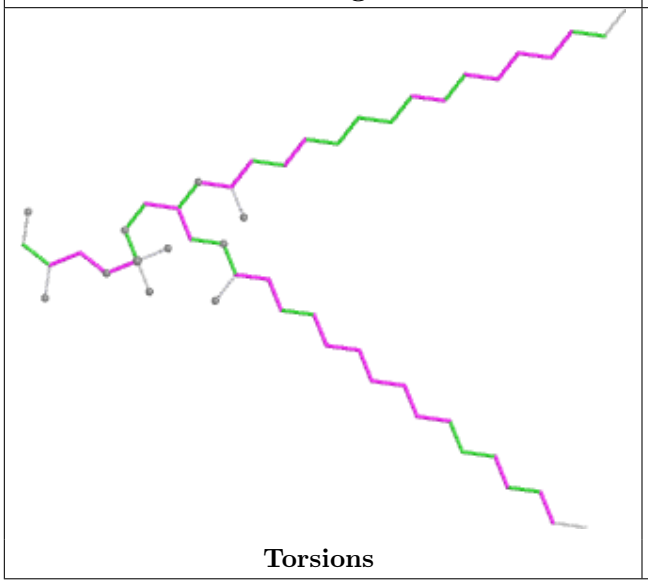
Ligand LHG A 852



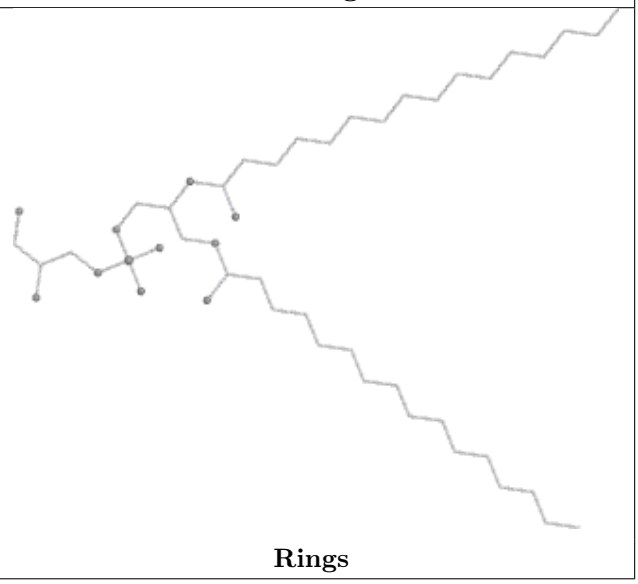
Bond lengths



Bond angles

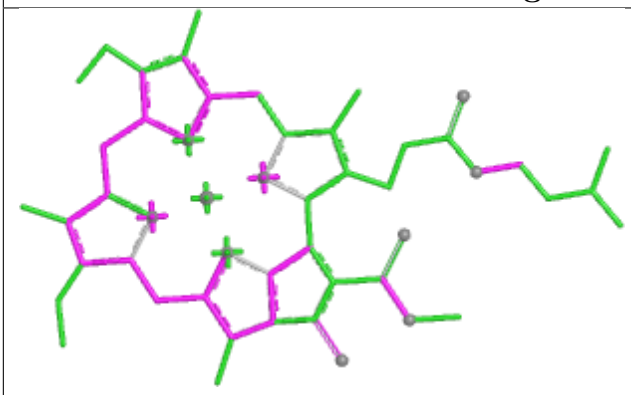


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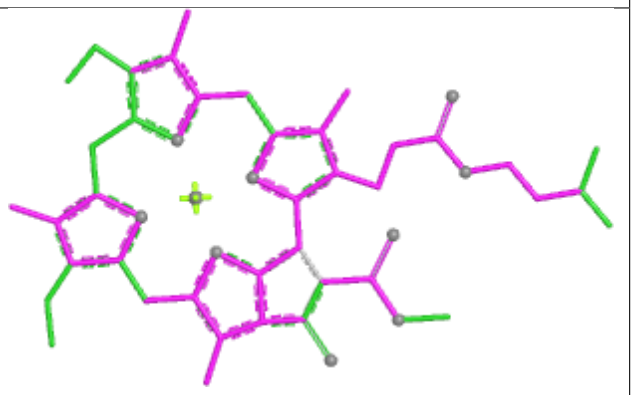


Rings

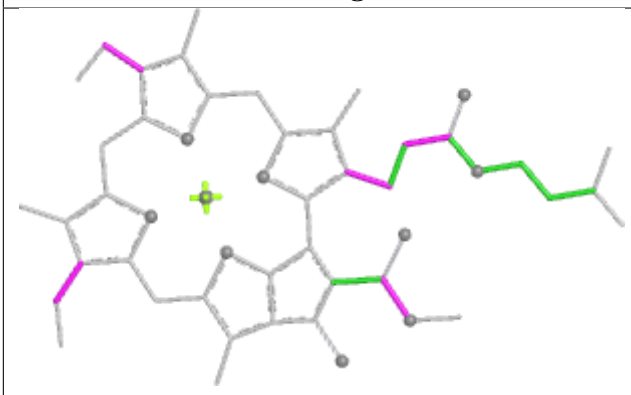
Ligand CLA A 815



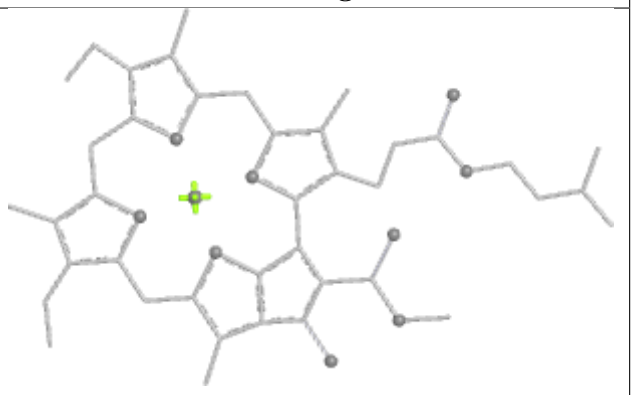
Bond lengths



Bond angles

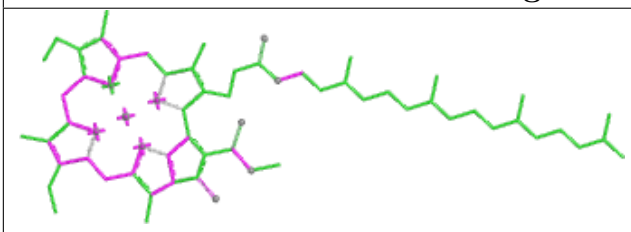


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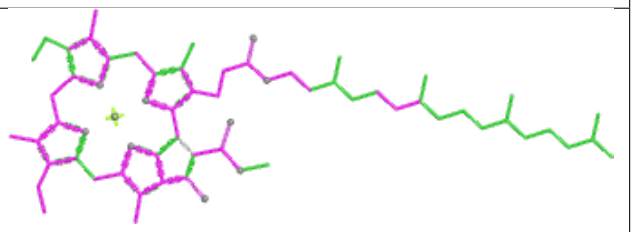


Rings

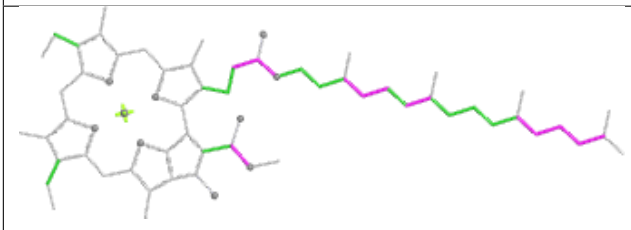
Ligand CLA H 809



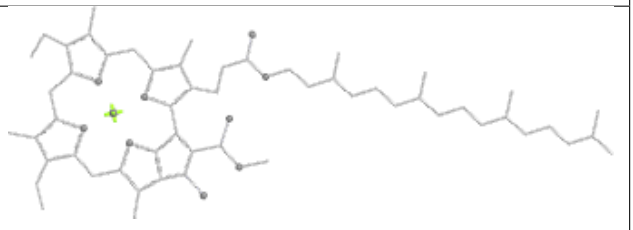
Bond lengths



Bond angles

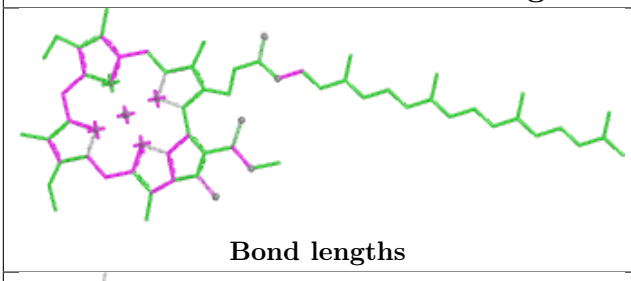


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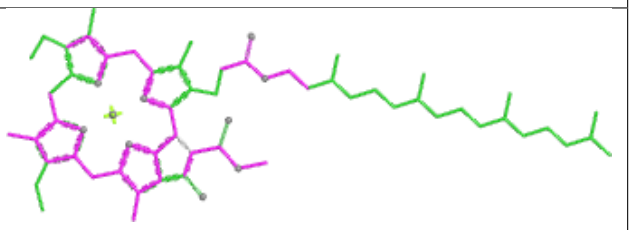


Rings

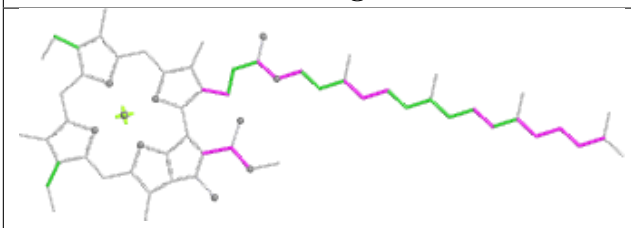
Ligand CLA h 204



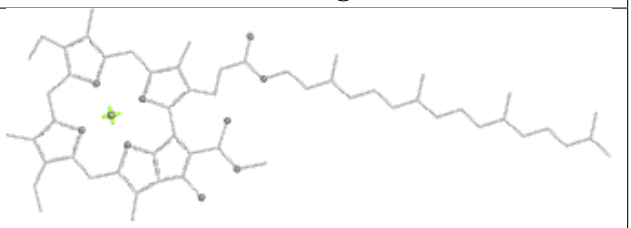
Bond lengths



Bond angles

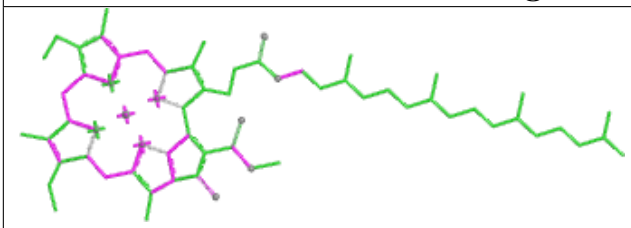


Torsions

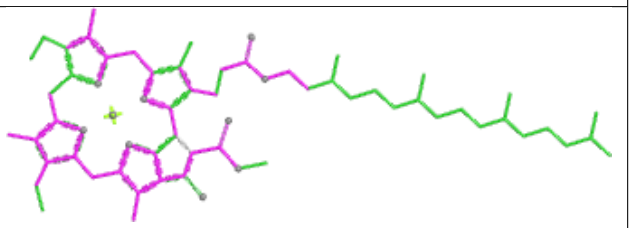


Rings

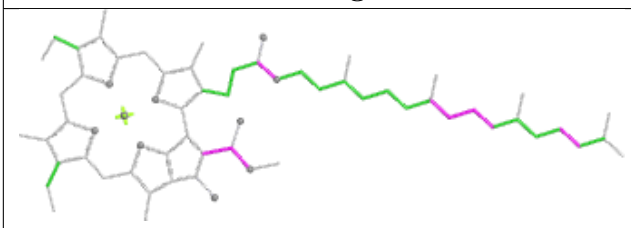
Ligand CLA B 828



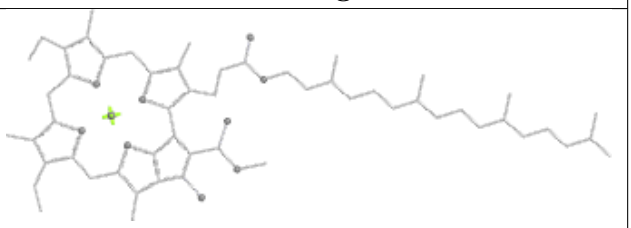
Bond lengths



Bond angles

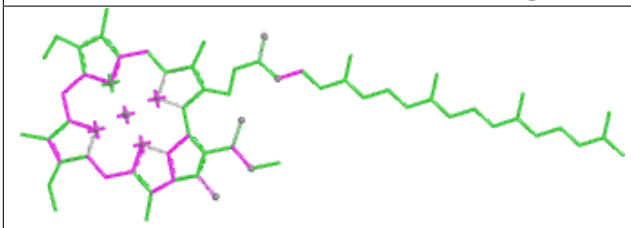


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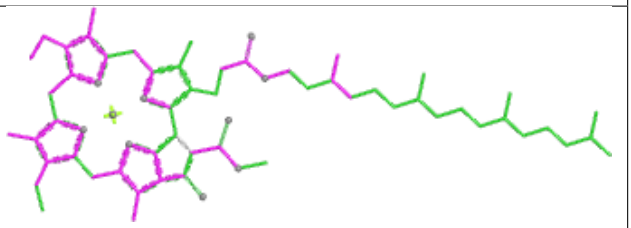


Rings

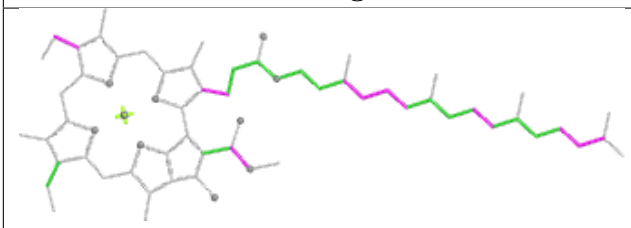
Ligand CLA H 827



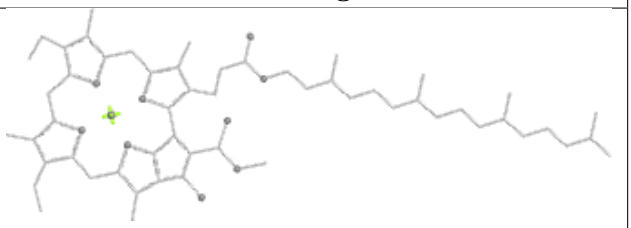
Bond lengths



Bond angles

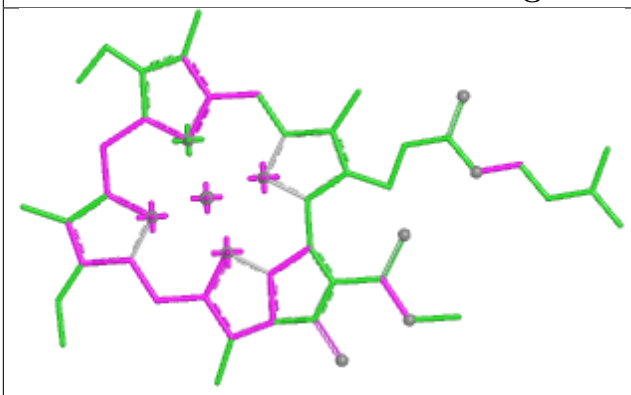


Torsions

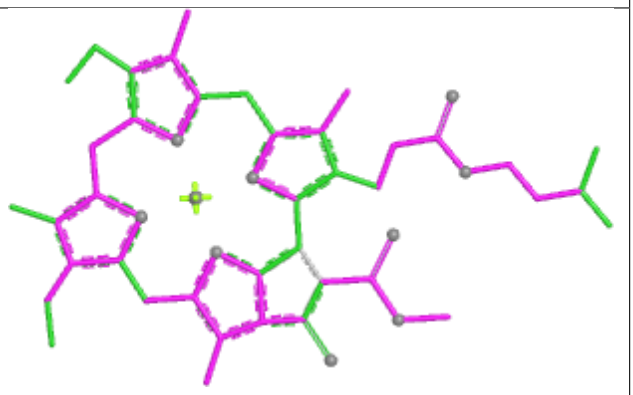


Rings

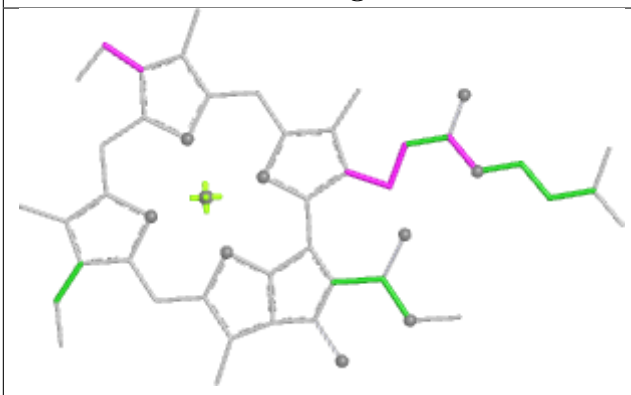
Ligand CLA Y 837



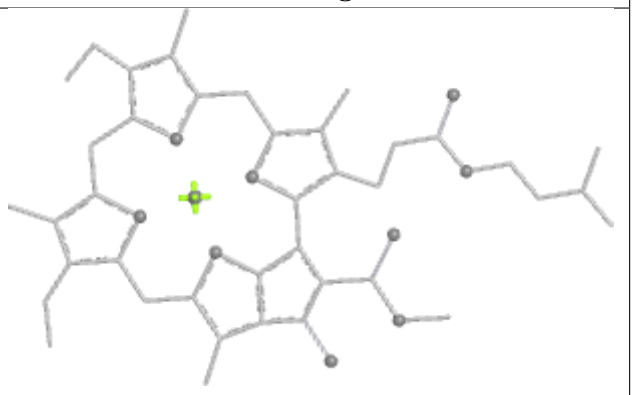
Bond lengths



Bond angles

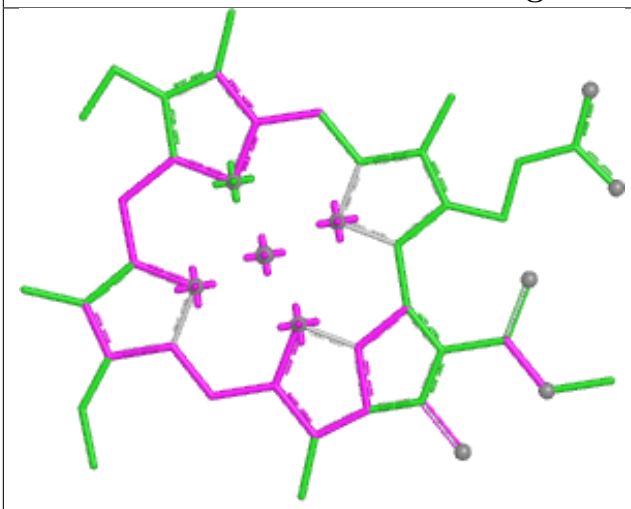


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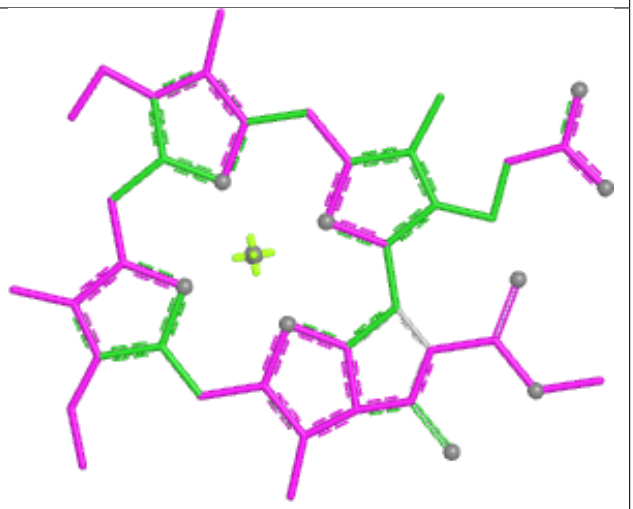


Rings

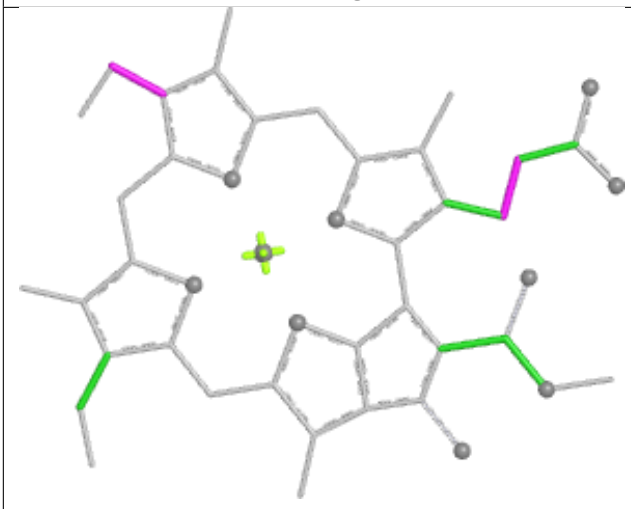
Ligand CLA Z 839



Bond lengths



Bond angles

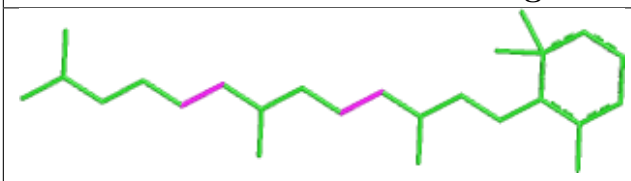


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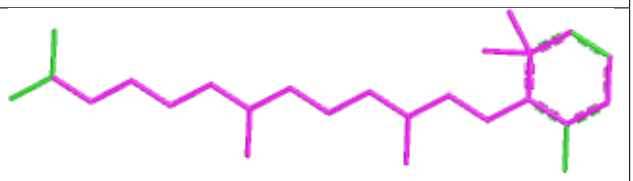


Rings

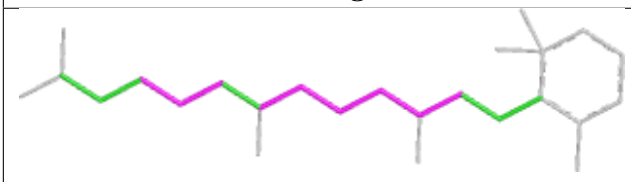
Ligand BCR Z 846



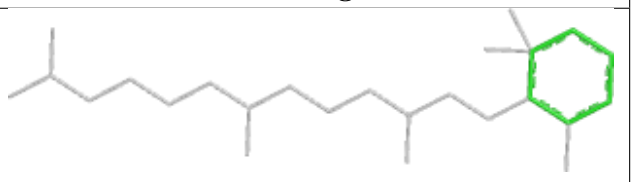
Bond lengths



Bond angles

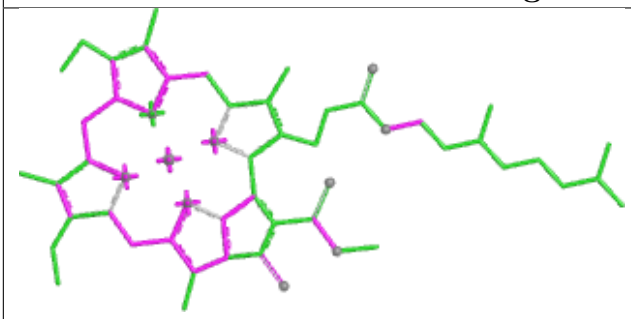


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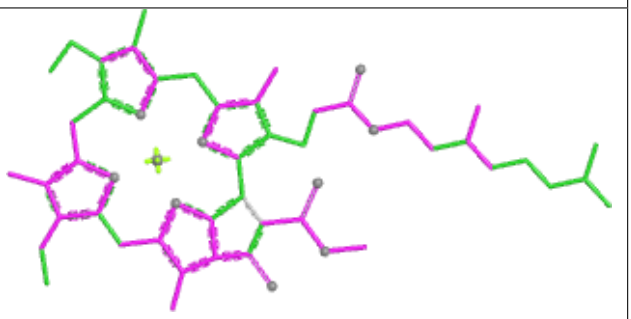


Rings

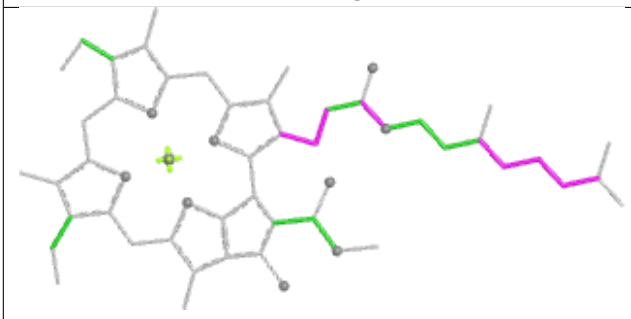
Ligand CLA H 816



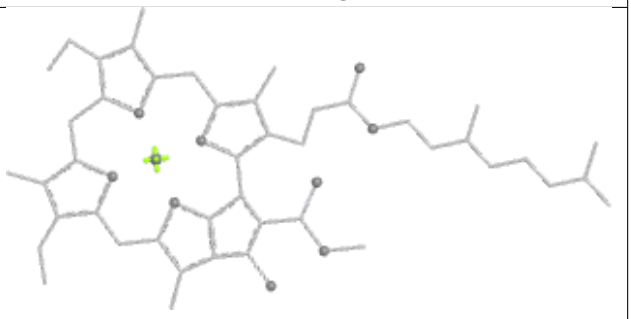
Bond lengths



Bond angles

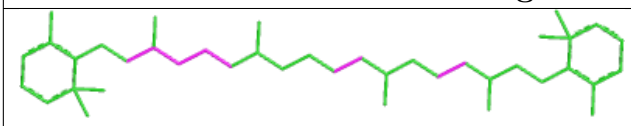


Torsions

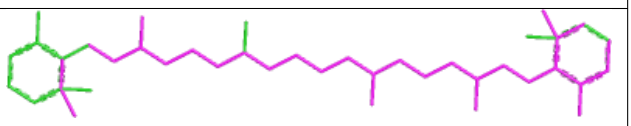


Rings

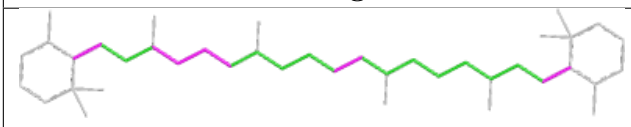
Ligand BCR S 1104



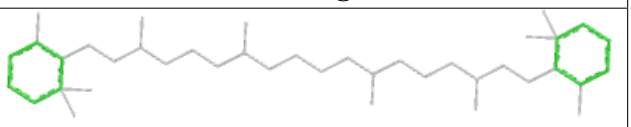
Bond lengths



Bond angles

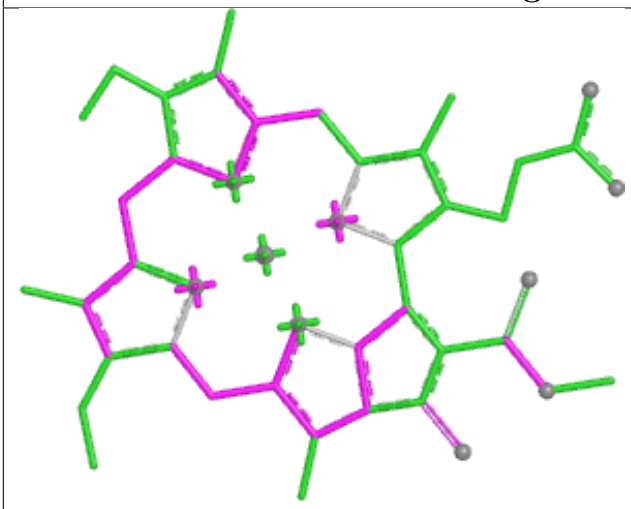


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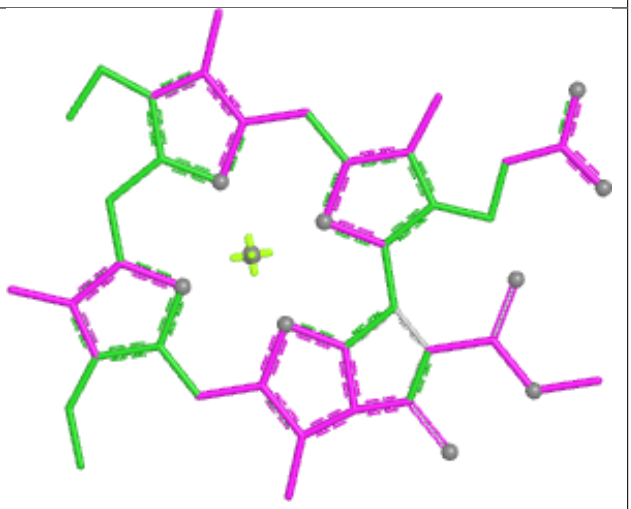


Rings

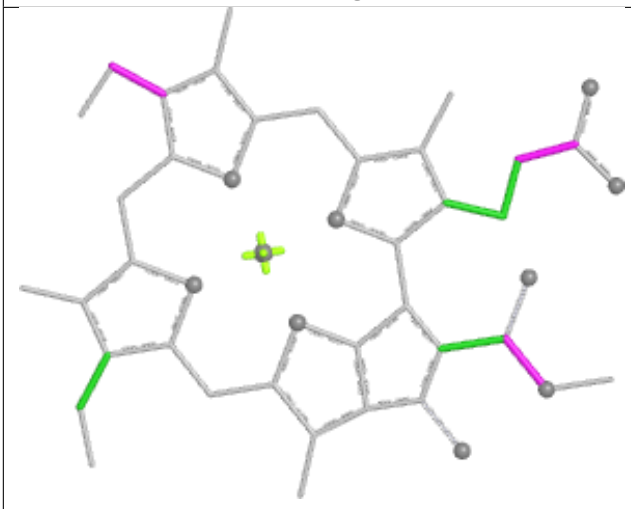
Ligand CLA H 835



Bond lengths



Bond angles

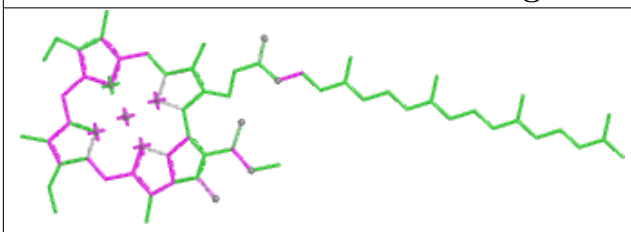


Torsions

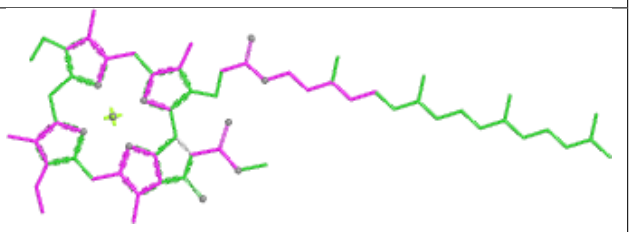


Rings

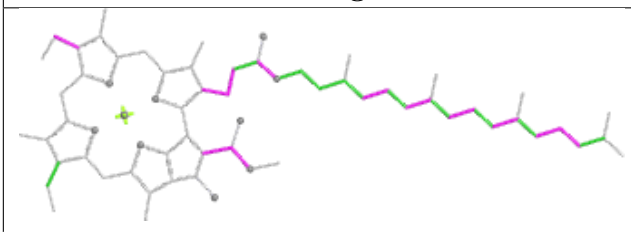
Ligand CLA G 808



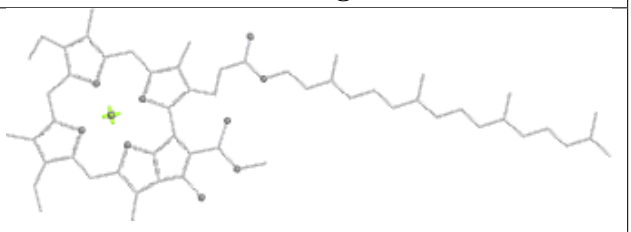
Bond lengths



Bond angles

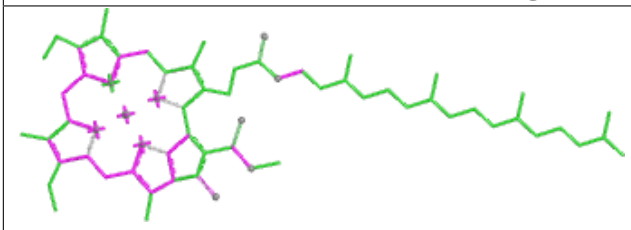


Torsions

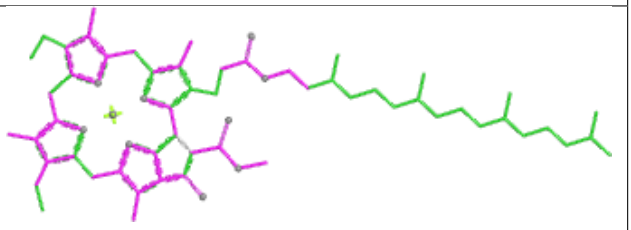


Rings

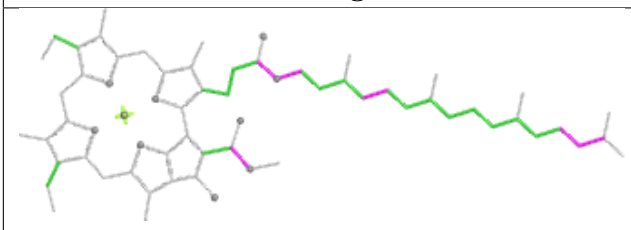
Ligand CLA B 816



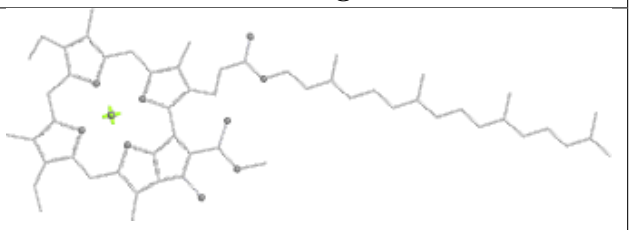
Bond lengths



Bond angles

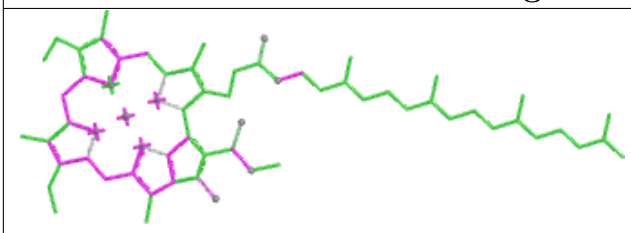


Torsions

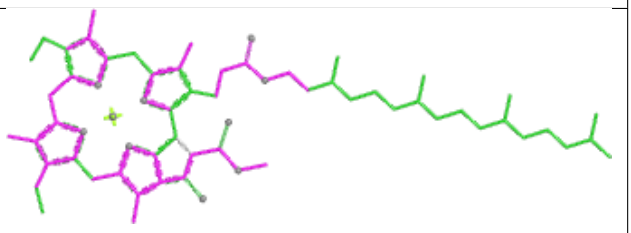


Rings

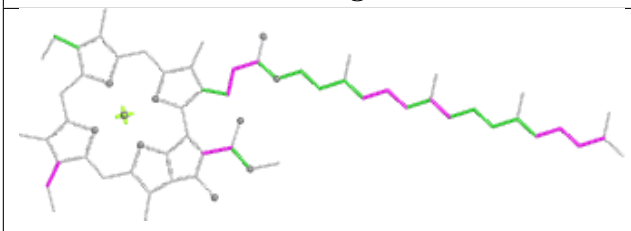
Ligand CLA A 826



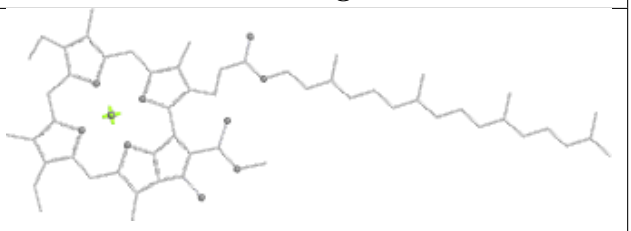
Bond lengths



Bond angles

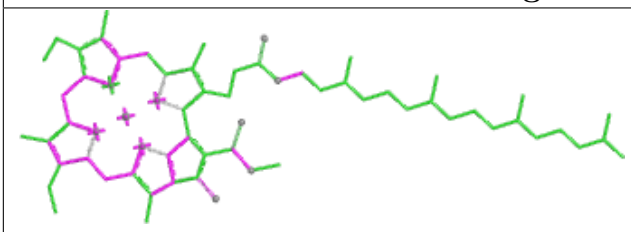


Torsions

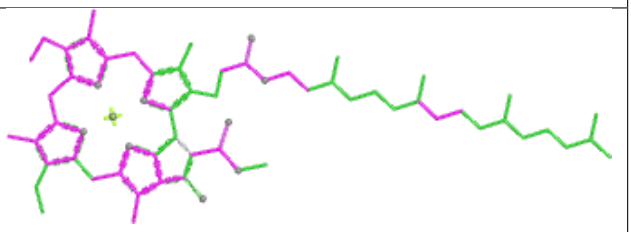


Rings

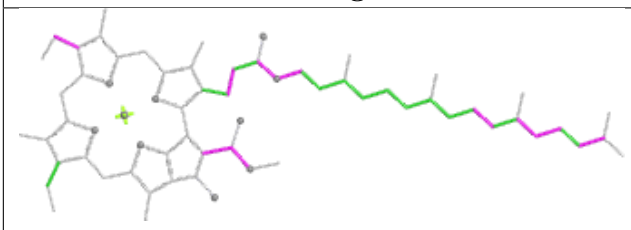
Ligand CLA G 833



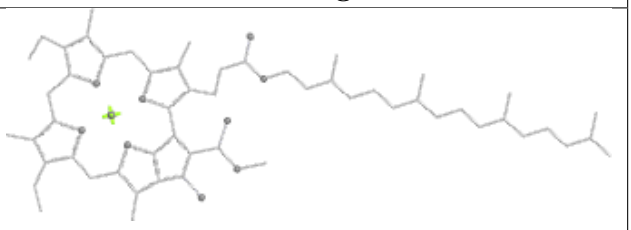
Bond lengths



Bond angles

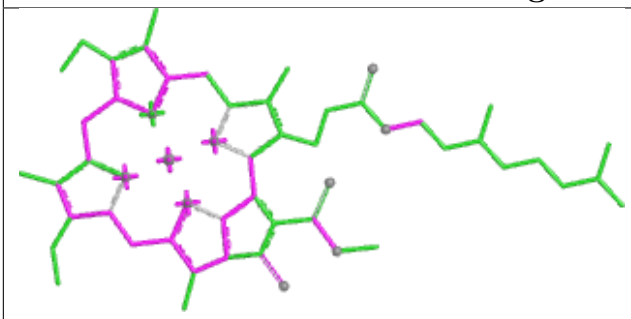


Torsions

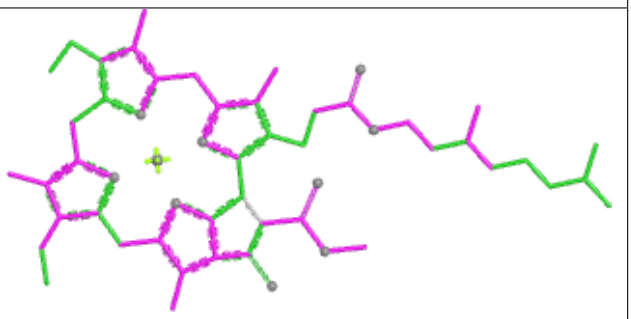


Rings

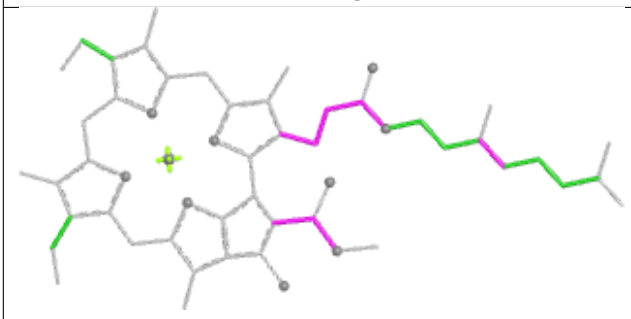
Ligand CLA J 102



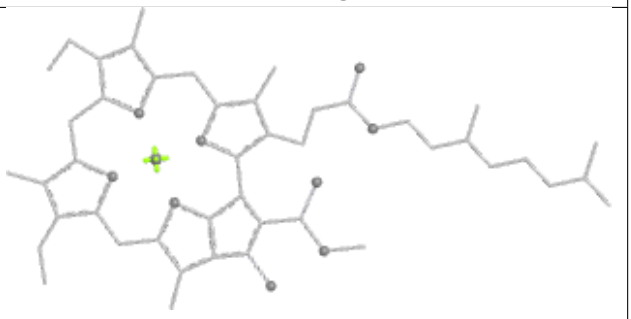
Bond lengths



Bond angles

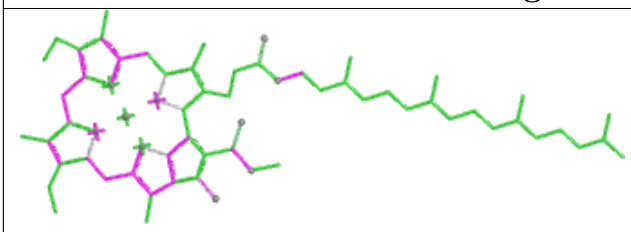


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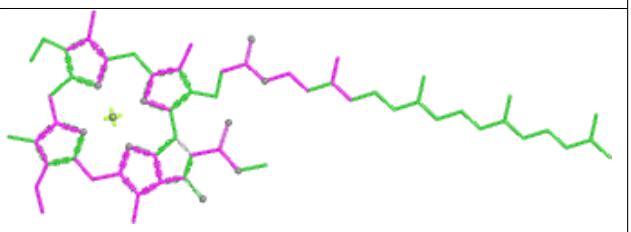


Rings

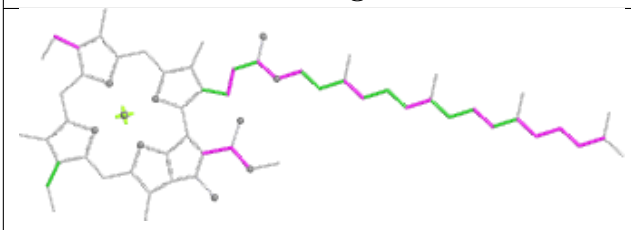
Ligand CLA A 837



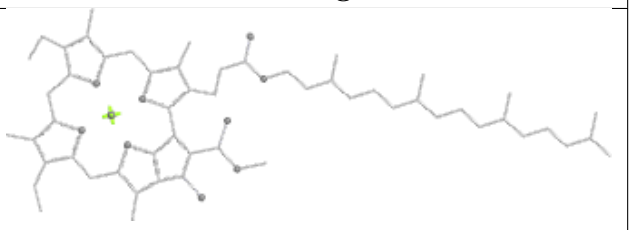
Bond lengths



Bond angles

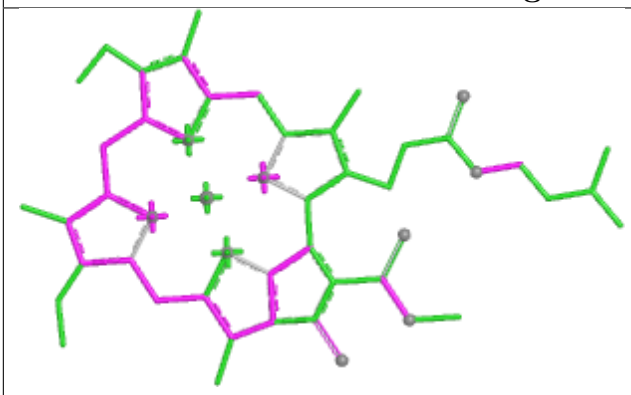


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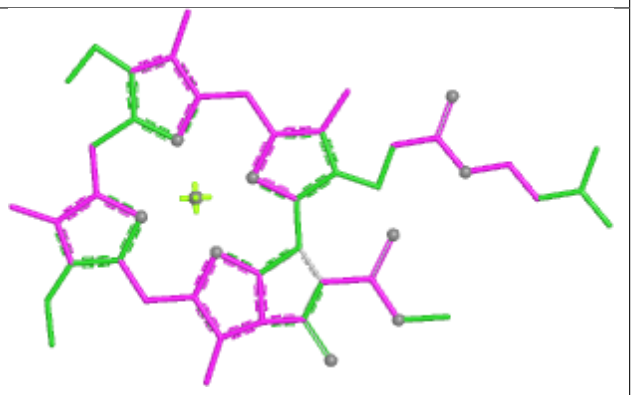


Rings

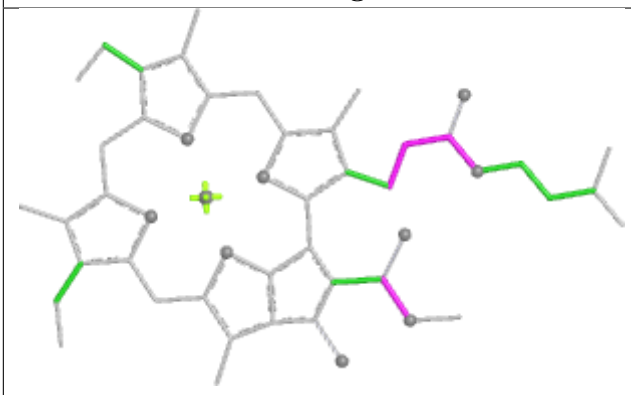
Ligand CLA Y 815



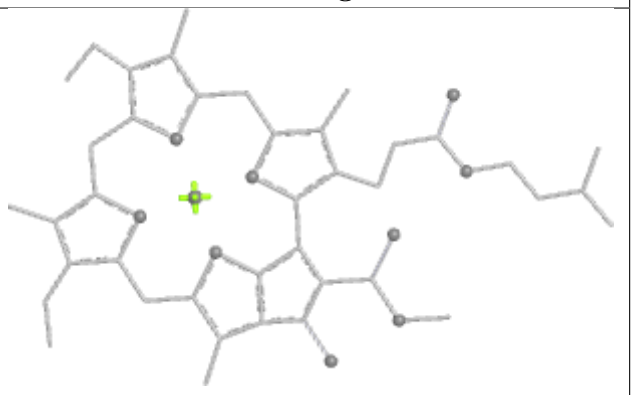
Bond lengths



Bond angles

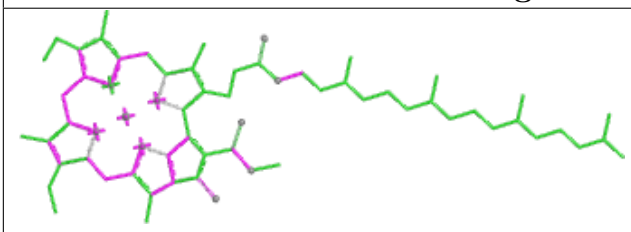


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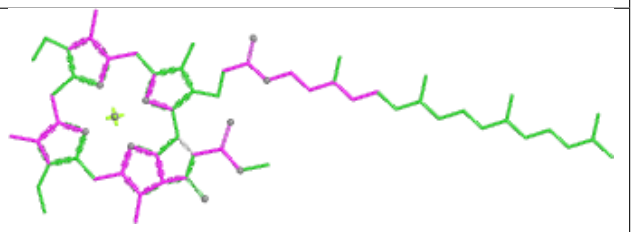


Rings

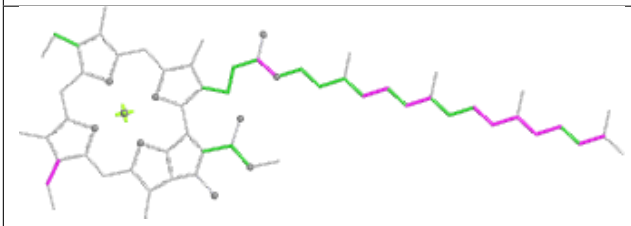
Ligand CLA U 1003



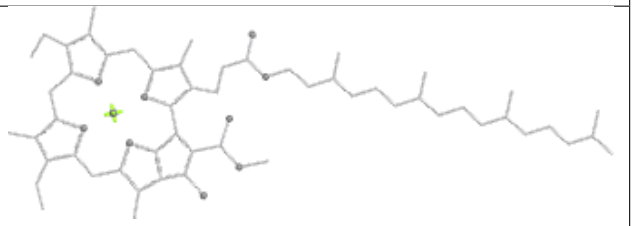
Bond lengths



Bond angles

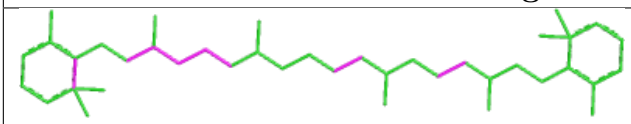


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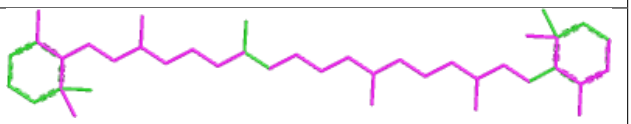


Rings

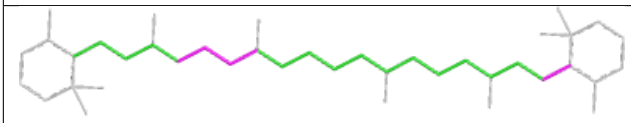
Ligand BCR A 850



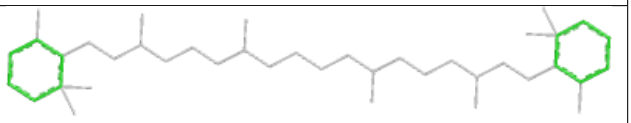
Bond lengths



Bond angles

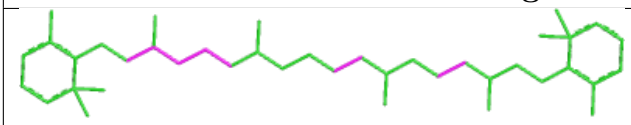


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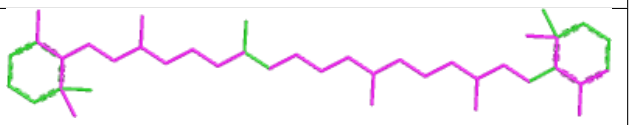


Rings

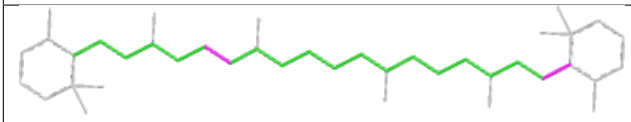
Ligand BCR Y 848



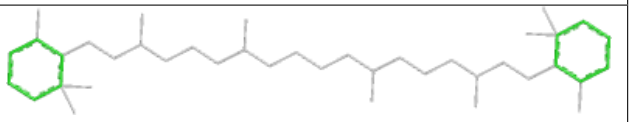
Bond lengths



Bond angles

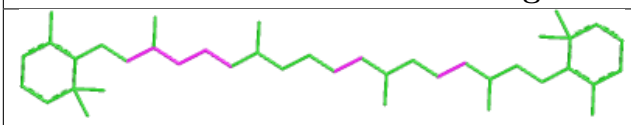


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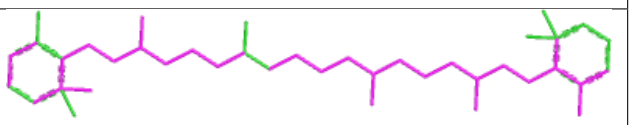


Rings

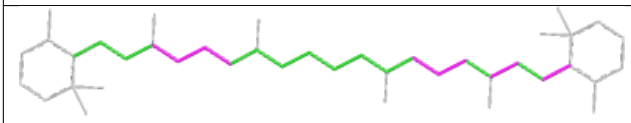
Ligand BCR T 102



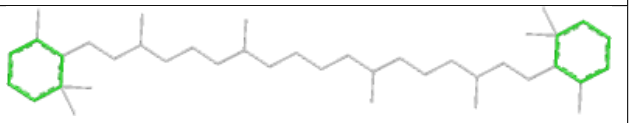
Bond lengths



Bond angles

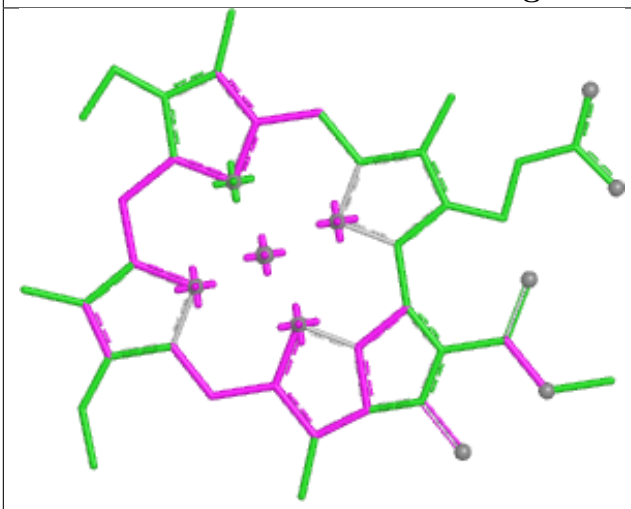


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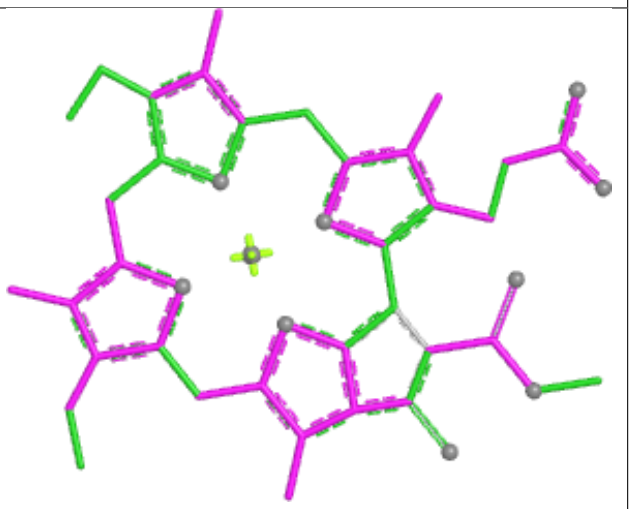


Rings

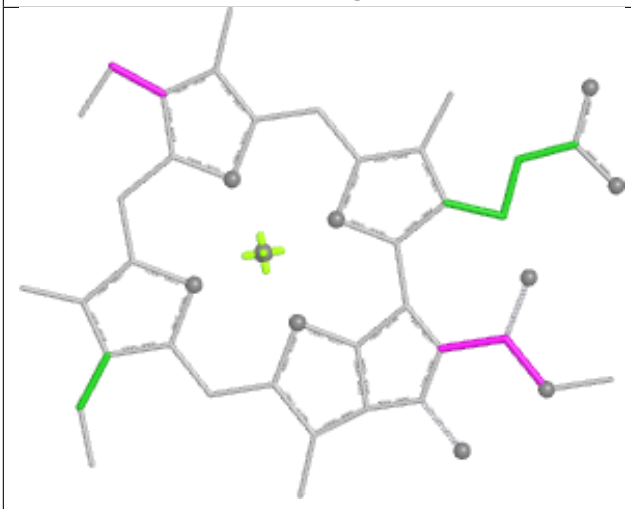
Ligand CLA K 102



Bond lengths



Bond angles

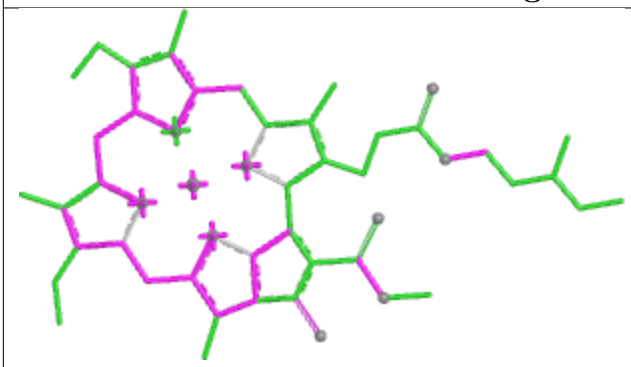


Torsions

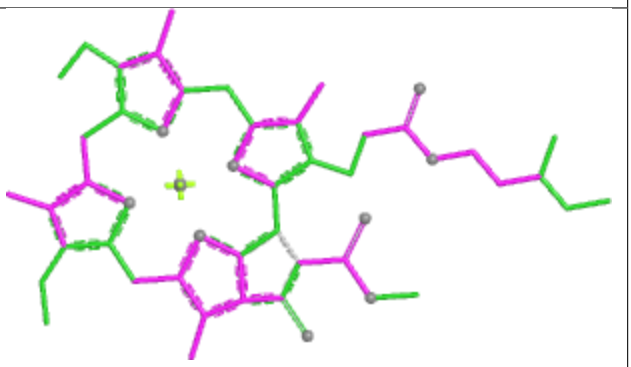


Rings

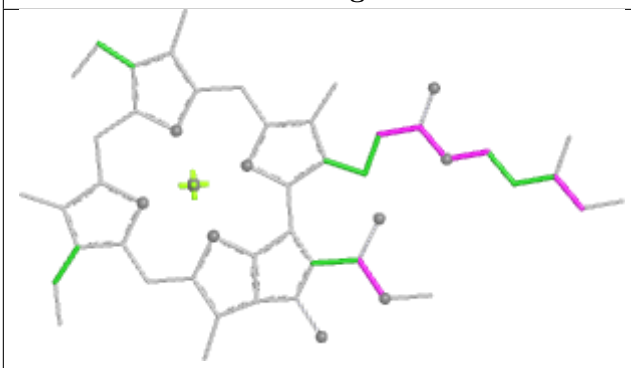
Ligand CLA A 808



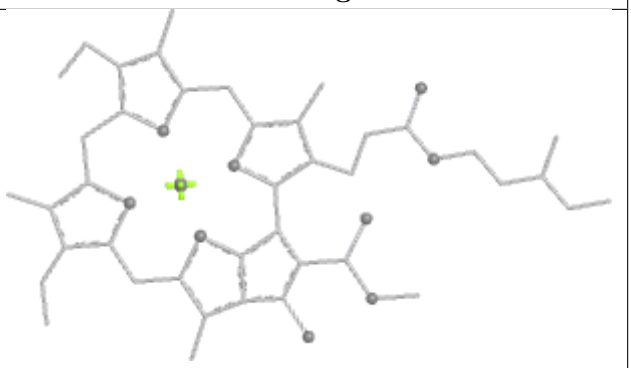
Bond lengths



Bond angles

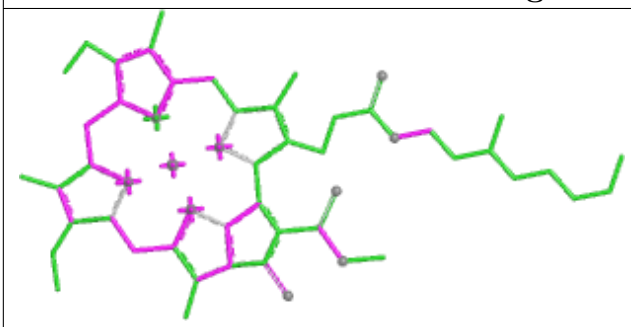


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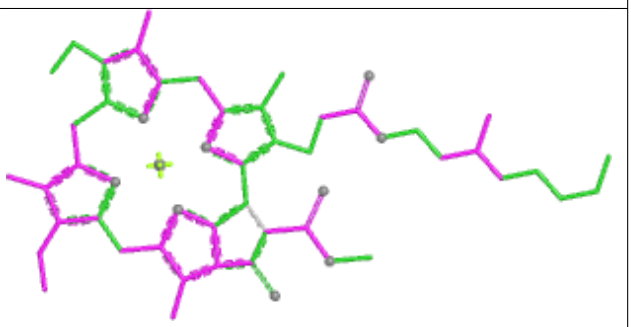


Rings

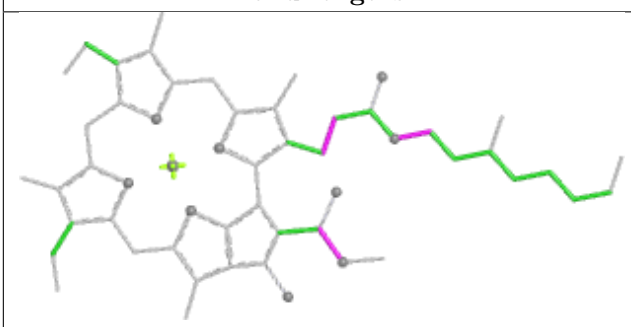
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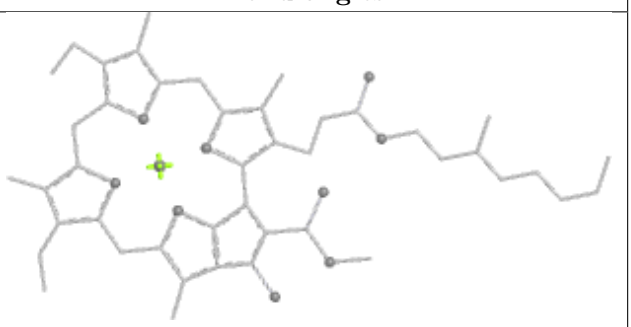
Bond lengths



Bond angles

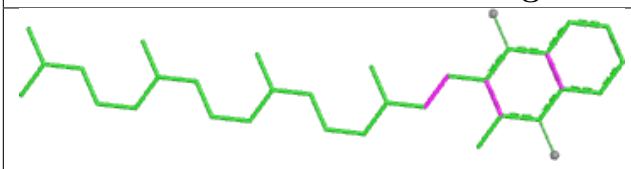


Torsions

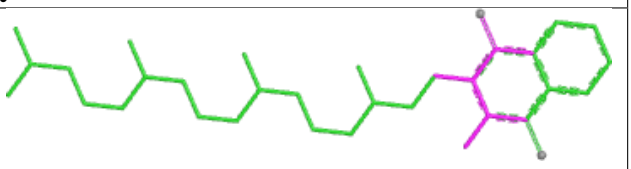


Rings

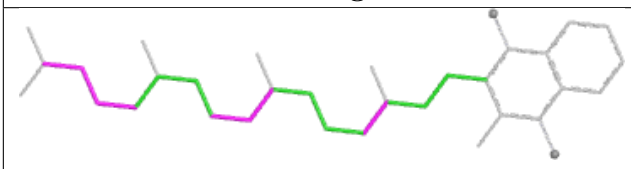
Ligand PQN B 841



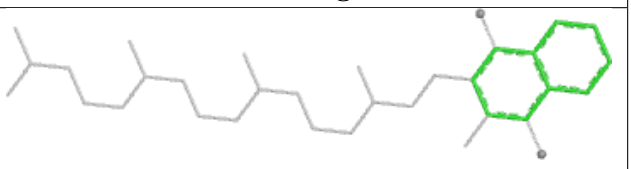
Bond lengths



Bond angles

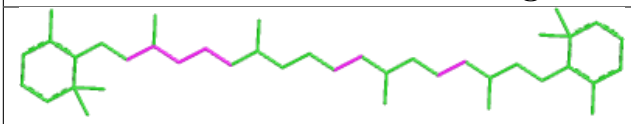


Torsions

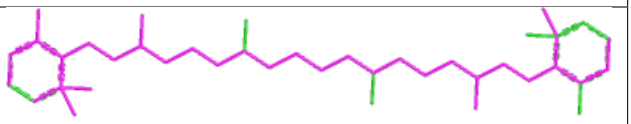


Rings

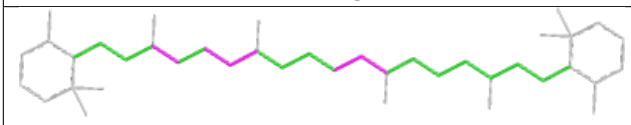
Ligand BCR Y 849



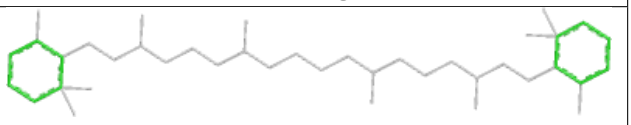
Bond lengths



Bond angles

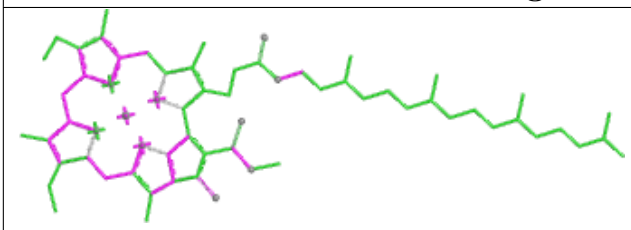


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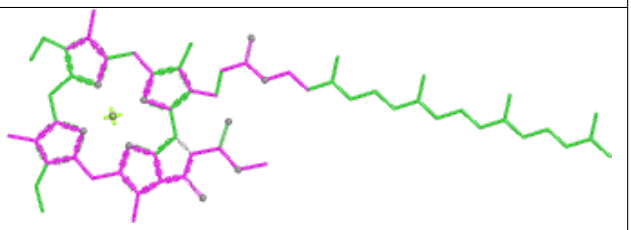


Rings

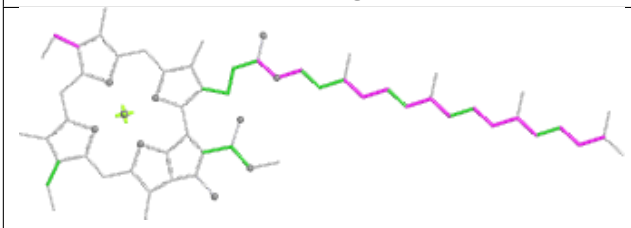
Ligand CLA Z 801



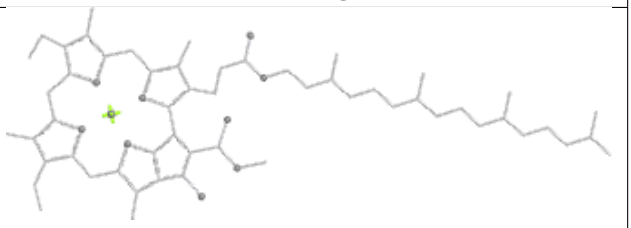
Bond lengths



Bond angles

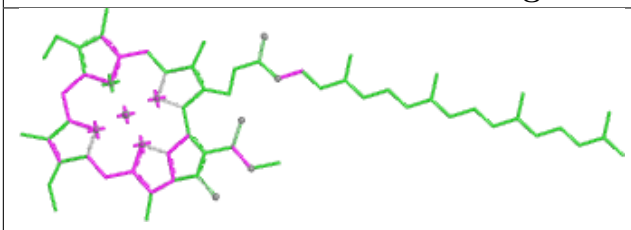


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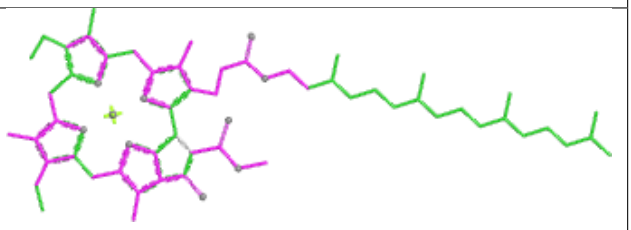


Rings

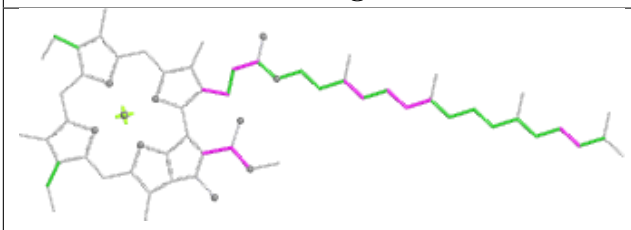
Ligand CLA G 830



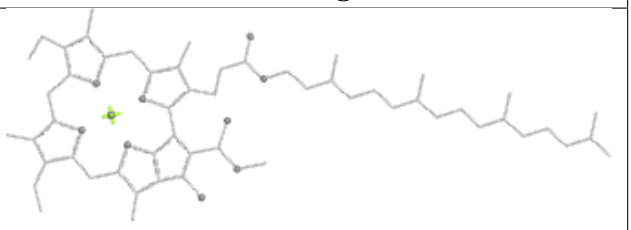
Bond lengths



Bond angles

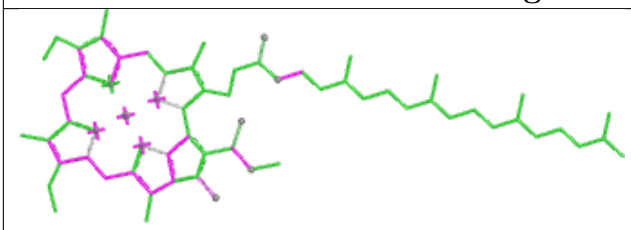


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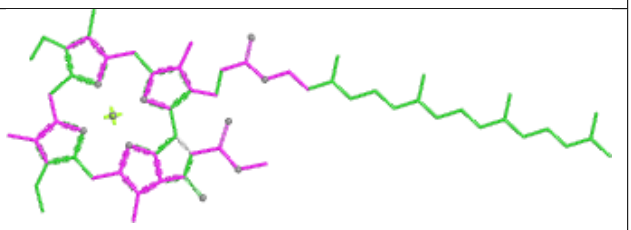


Rings

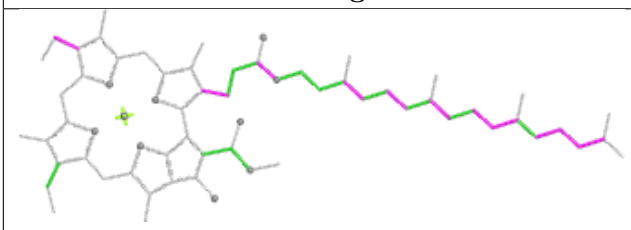
Ligand CLA Y 811



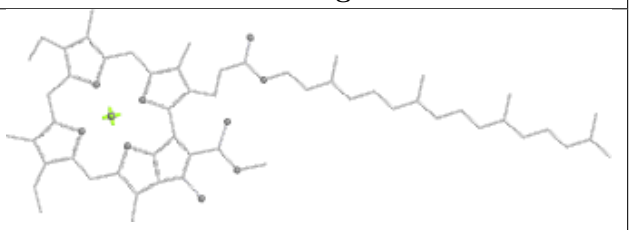
Bond lengths



Bond angles

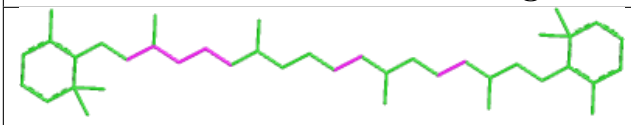


Torsions



Rings

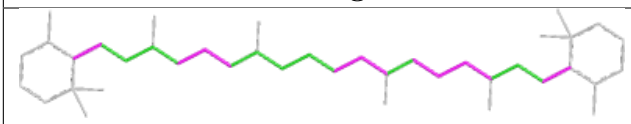
Ligand BCR R 102



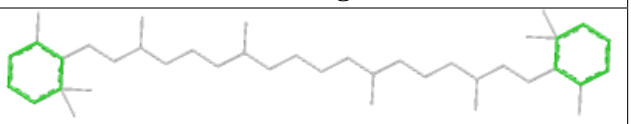
Bond lengths



Bond angles

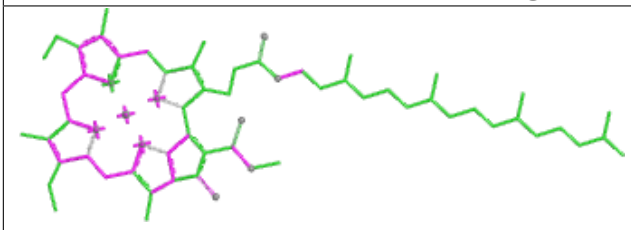


Torsions

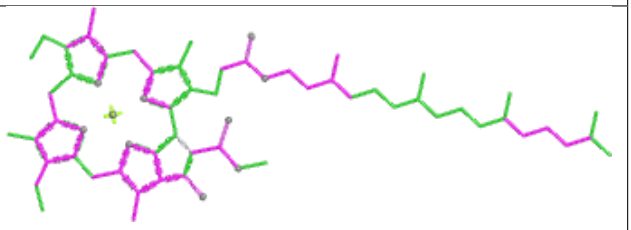


Rings

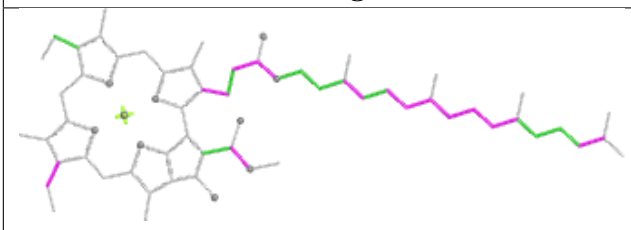
Ligand CLA B 812



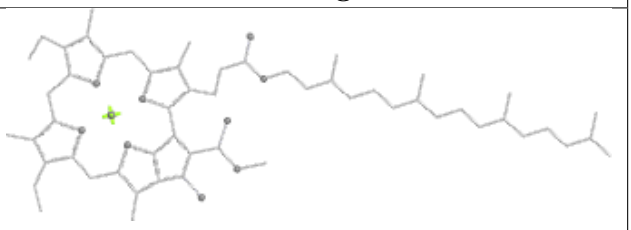
Bond lengths



Bond angles

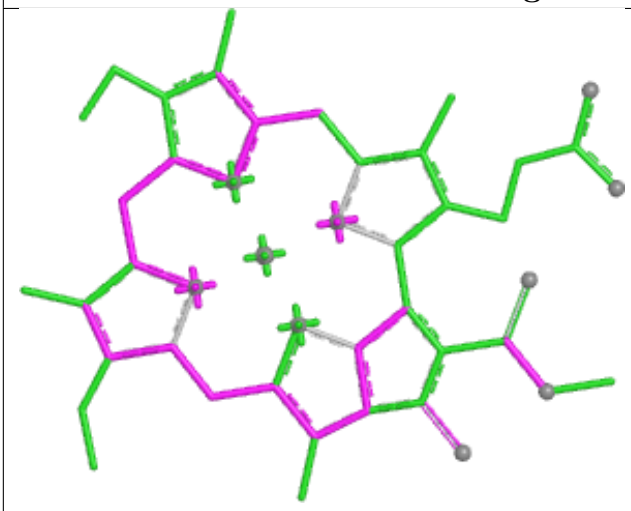


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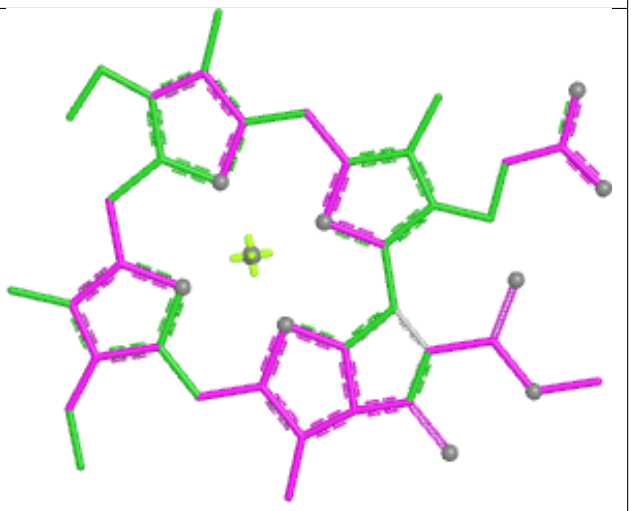


Rings

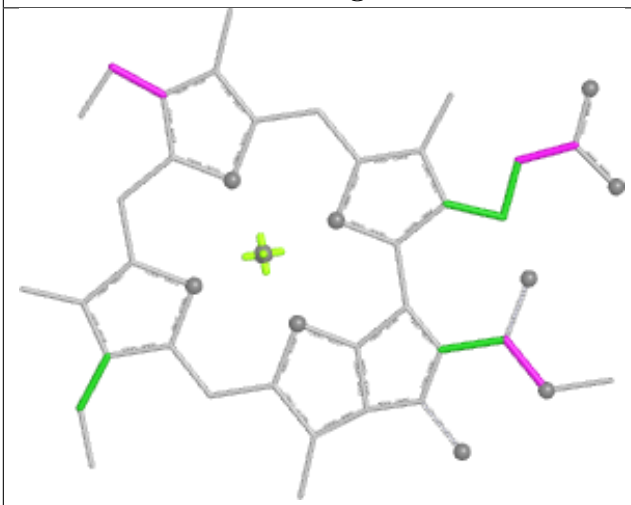
Ligand CLA H 821



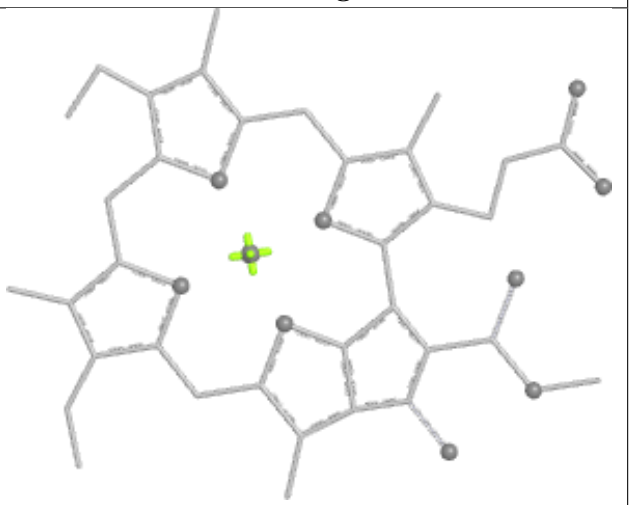
Bond lengths



Bond angles

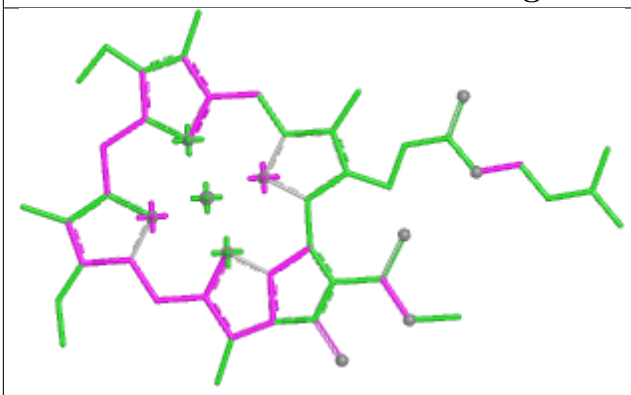


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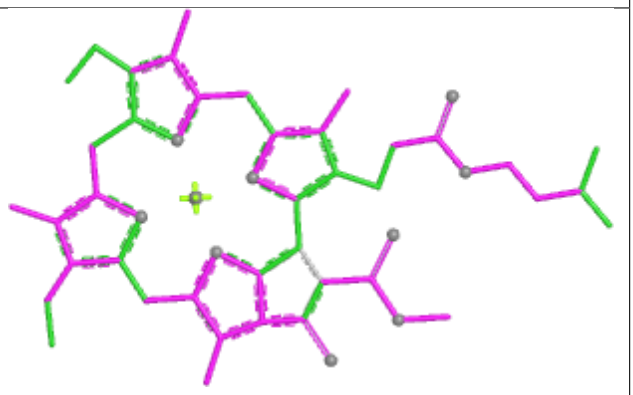


Rings

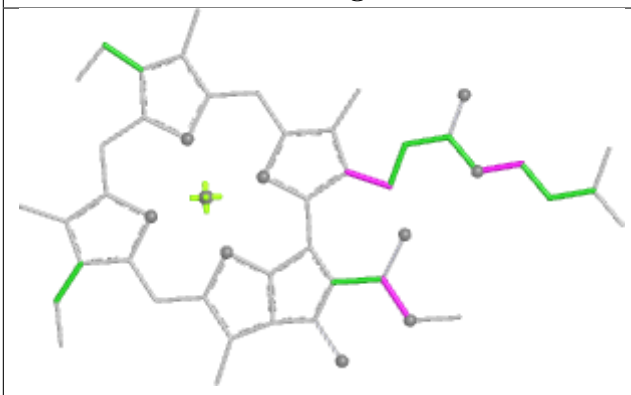
Ligand CLA G 839



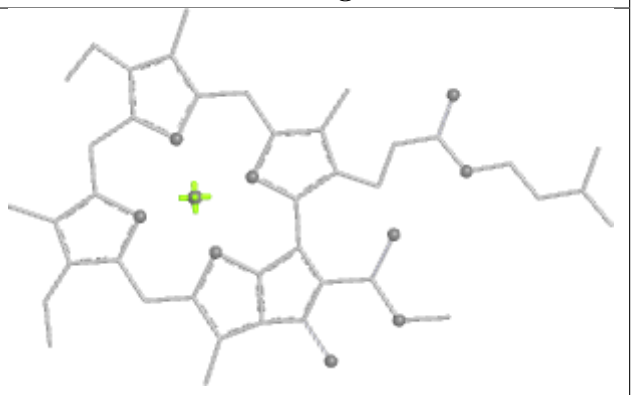
Bond lengths



Bond angles

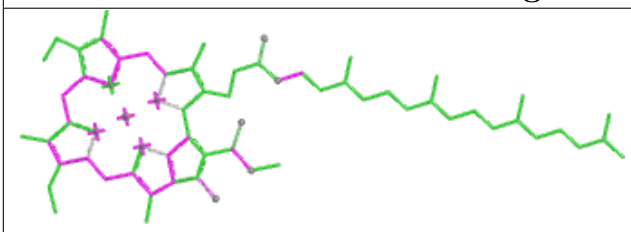


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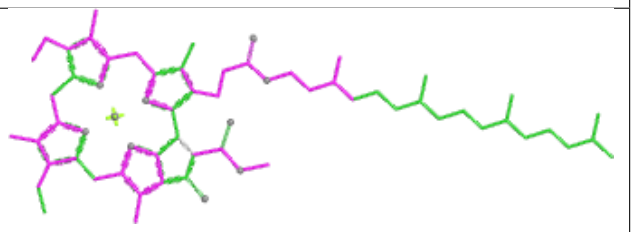


Rings

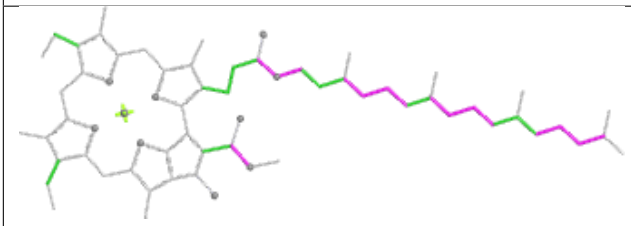
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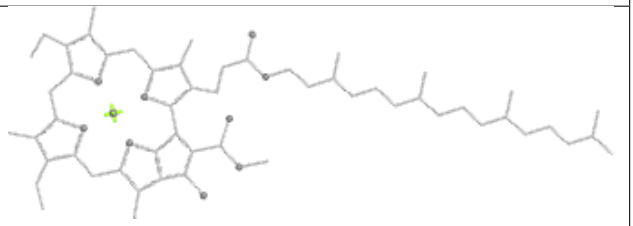
Bond lengths



Bond angles

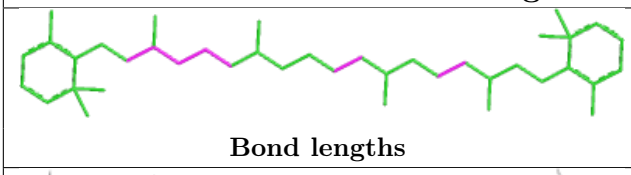


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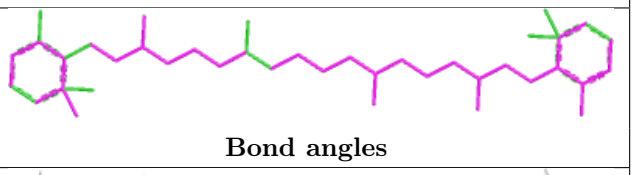


Rings

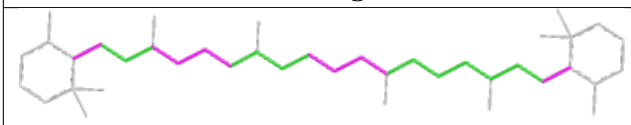
Ligand BCR B 850



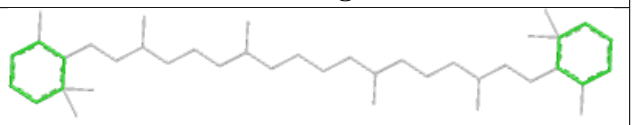
Bond lengths



Bond angles

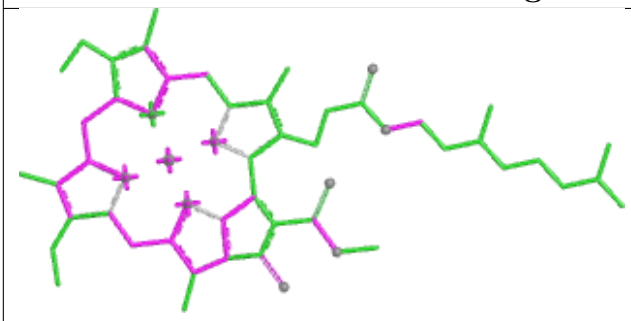


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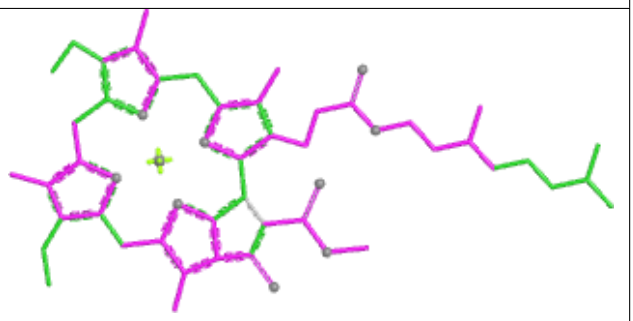


Rings

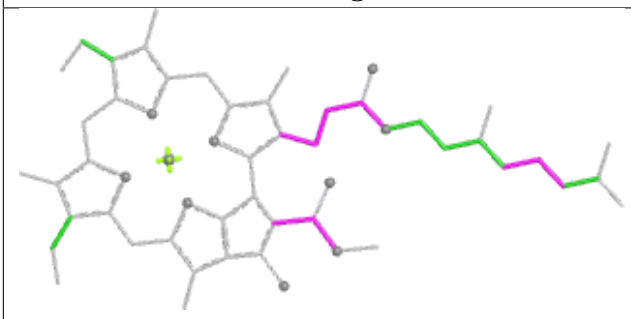
Ligand CLA B 810



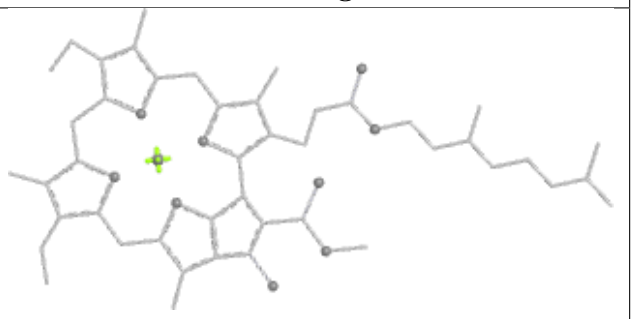
Bond lengths



Bond angles

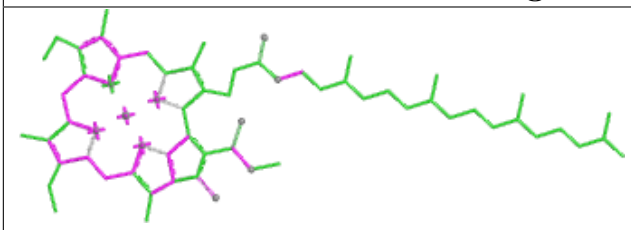


Torsions

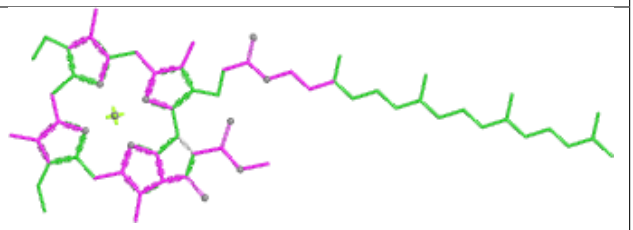


Rings

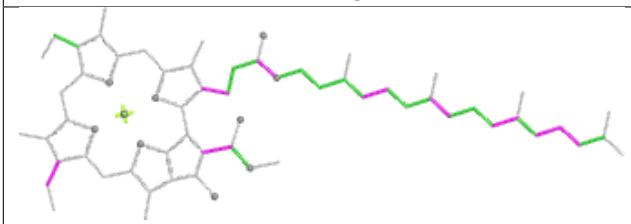
Ligand CLA Z 827



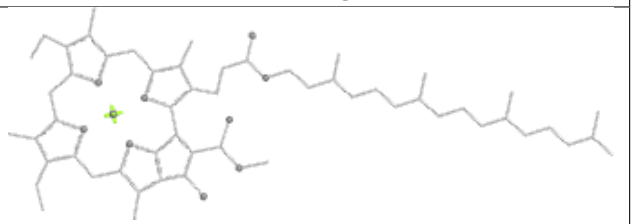
Bond lengths



Bond angles

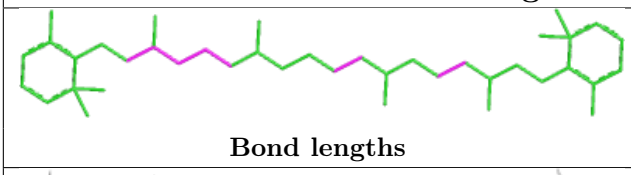


Torsions

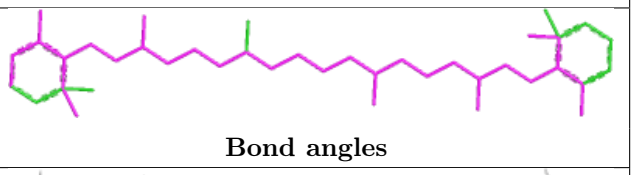


Rings

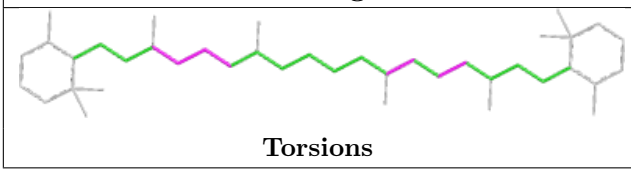
Ligand BCR Y 853



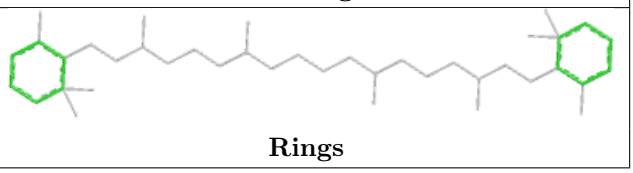
Bond lengths



Bond angles

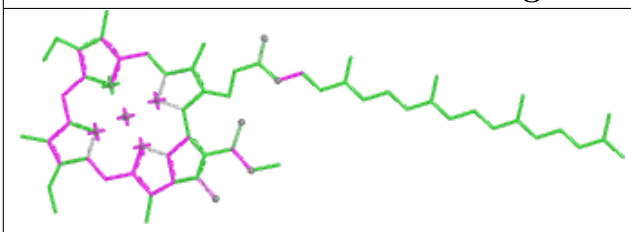


Torsions

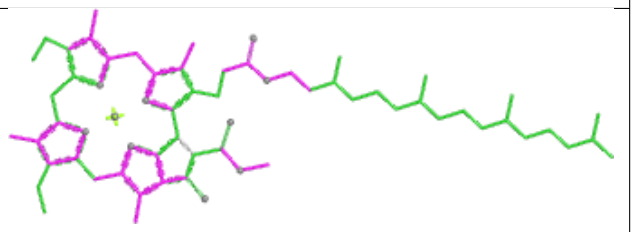


Rings

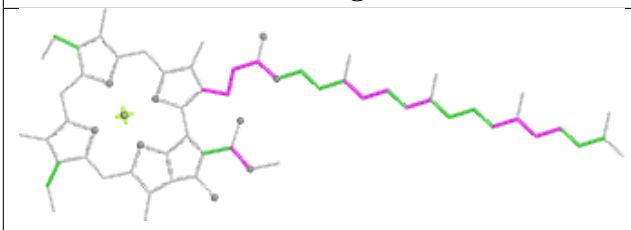
Ligand CLA G 821



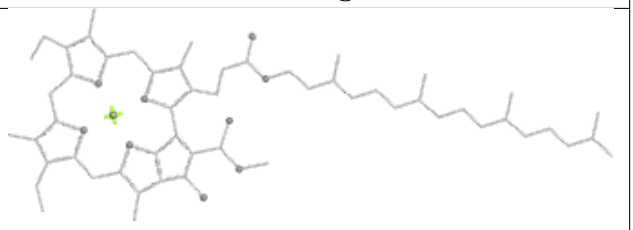
Bond lengths



Bond angles

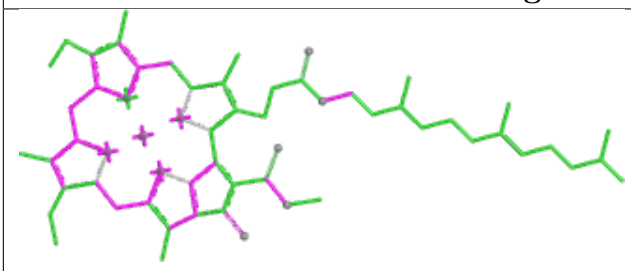


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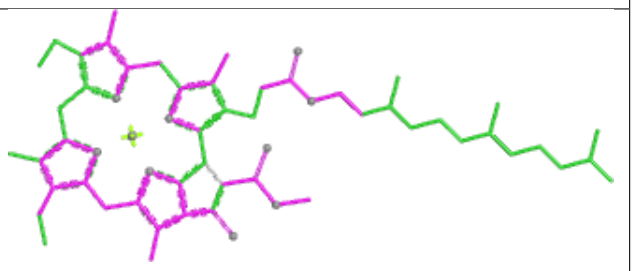


Rings

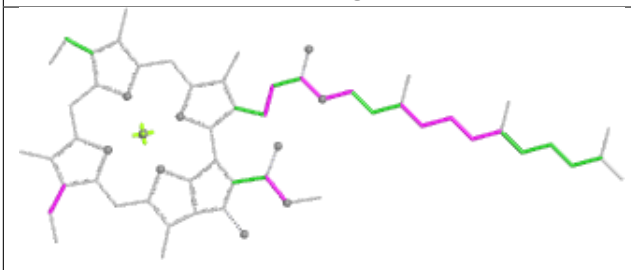
Ligand CLA Y 824



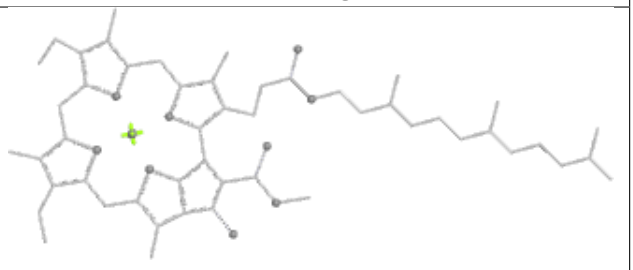
Bond lengths



Bond angles

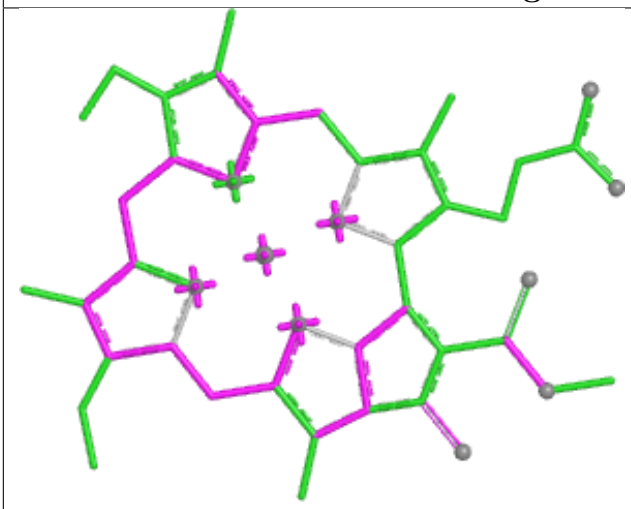


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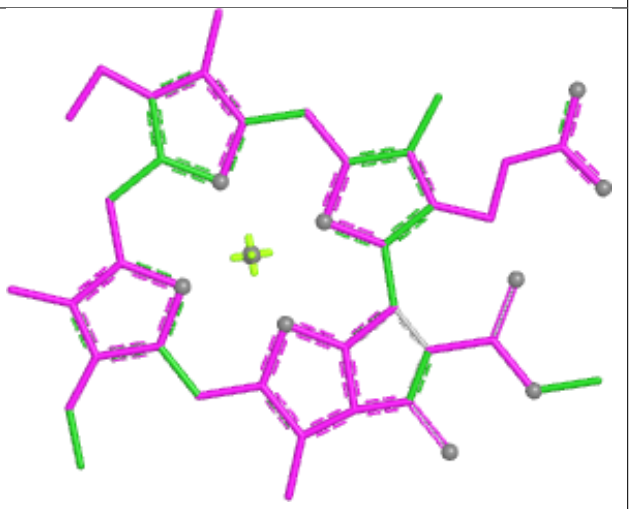


Rings

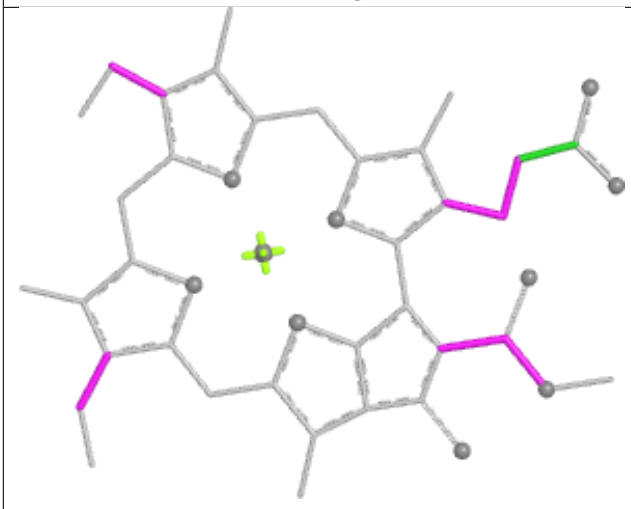
Ligand CLA H 830



Bond lengths



Bond angles

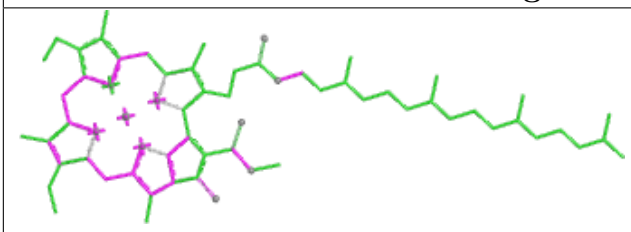


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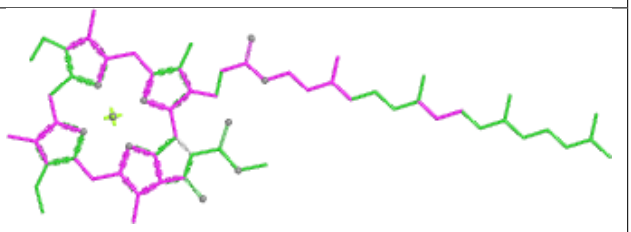


Rings

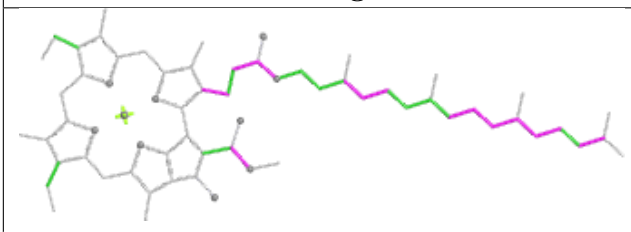
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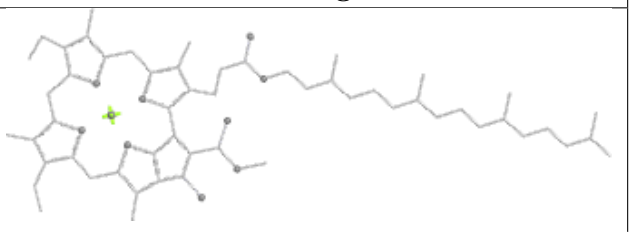
Bond lengths



Bond angles

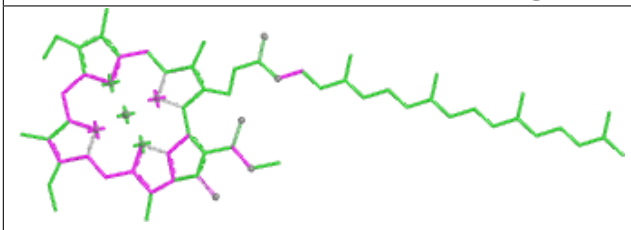


Torsions

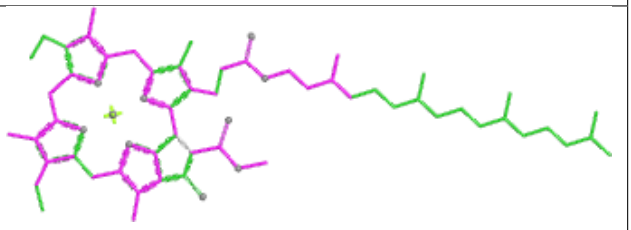


Rings

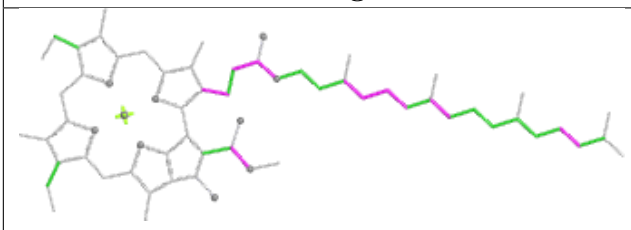
Ligand CL0 G 801



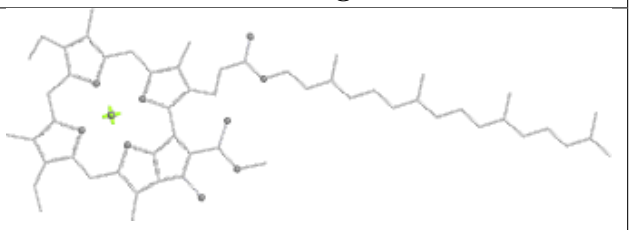
Bond lengths



Bond angles

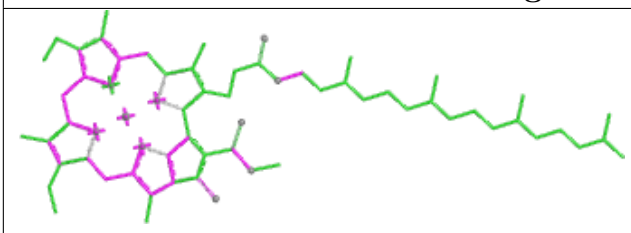


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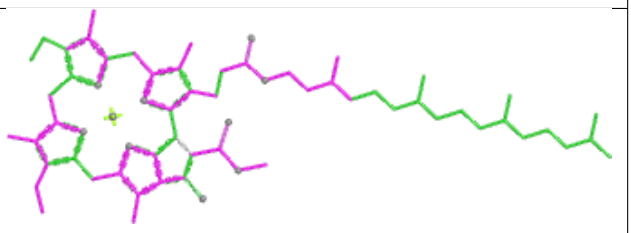


Rings

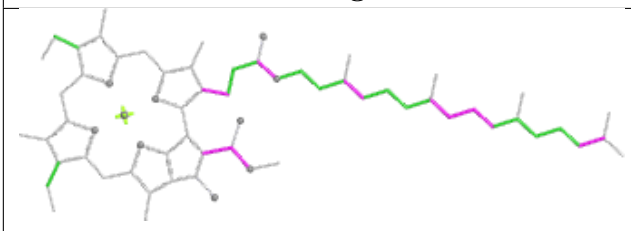
Ligand CLA B 824



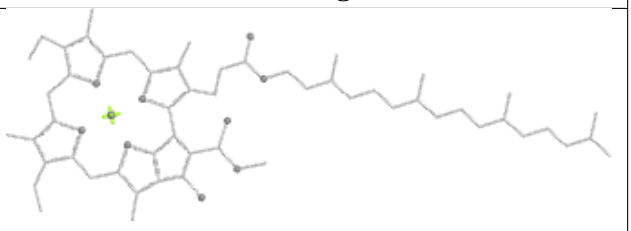
Bond lengths



Bond angles

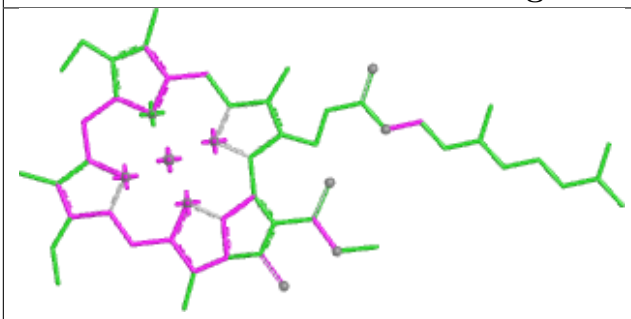


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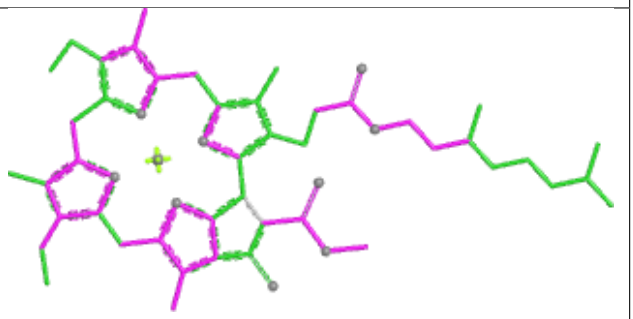


Rings

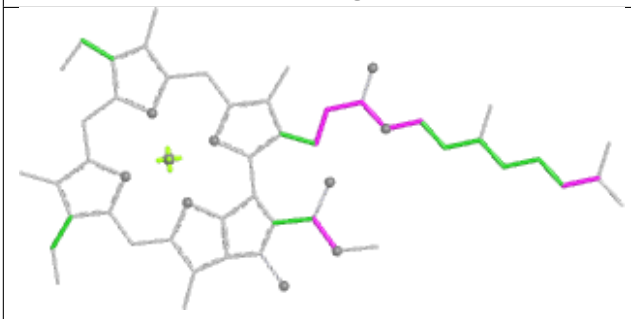
Ligand CLA Z 823



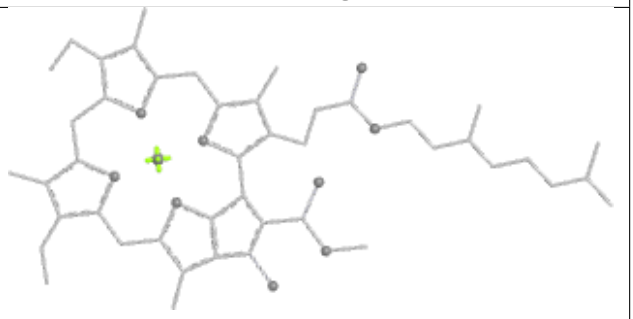
Bond lengths



Bond angles

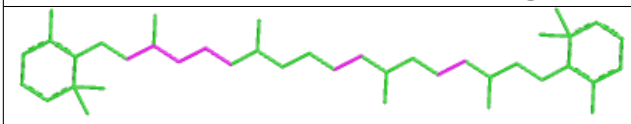


Torsions



Rings

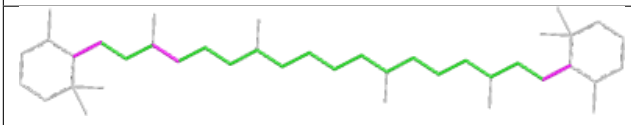
Ligand BCR V 101



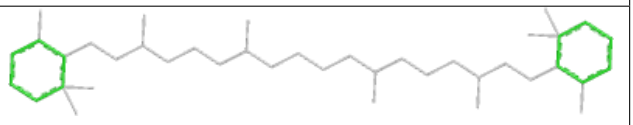
Bond lengths



Bond angles

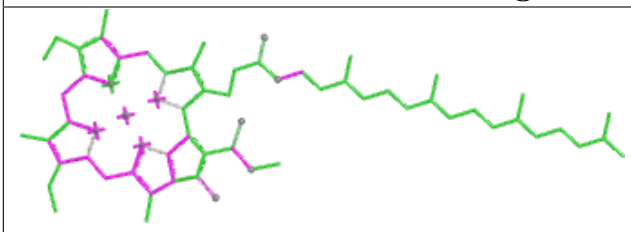


Torsions

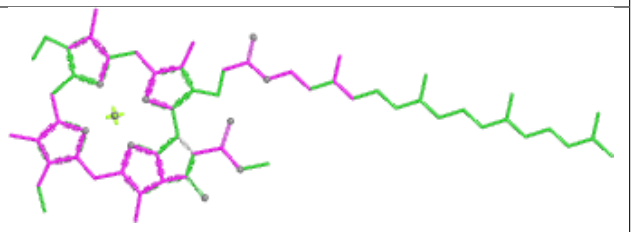


Rings

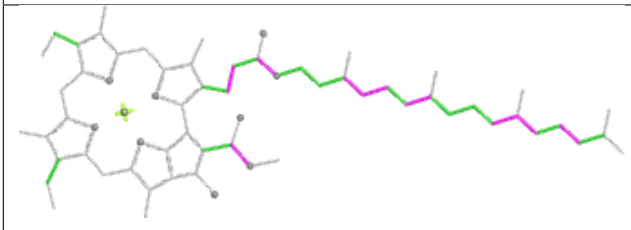
Ligand CLA U 1006



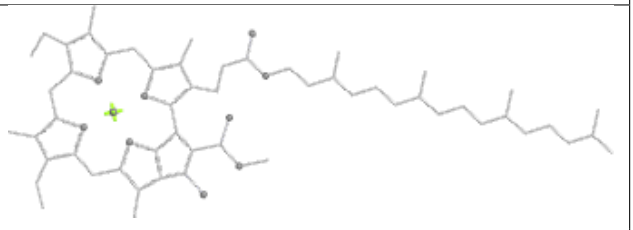
Bond lengths



Bond angles

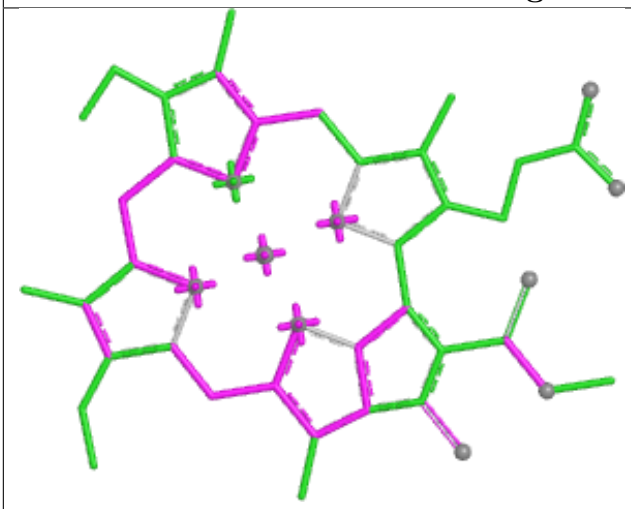


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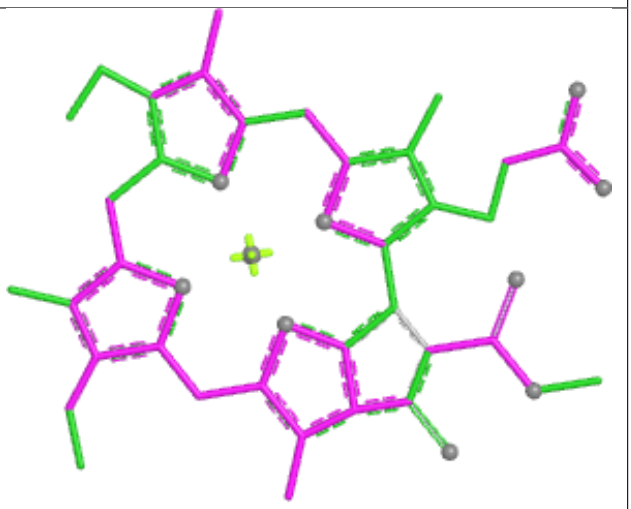


Rings

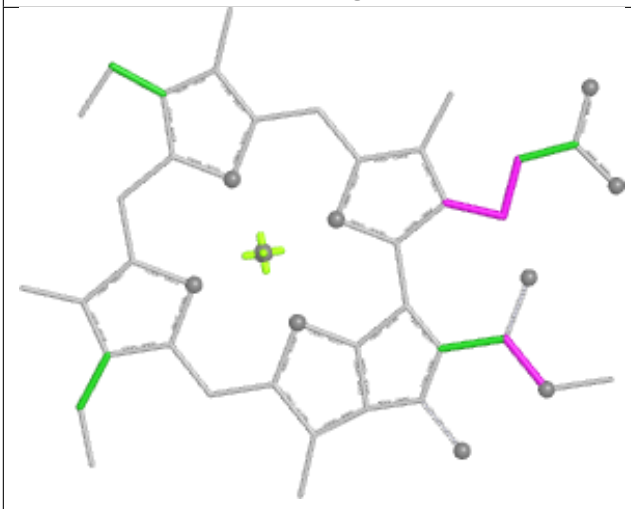
Ligand CLA Z 816



Bond lengths



Bond angles

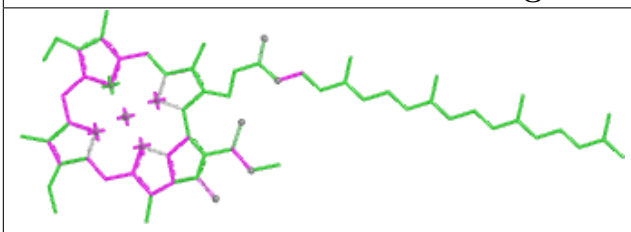


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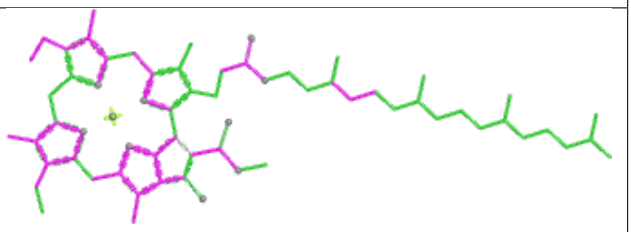


Rings

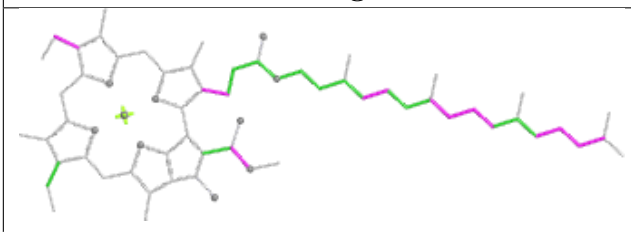
Ligand CLA B 826



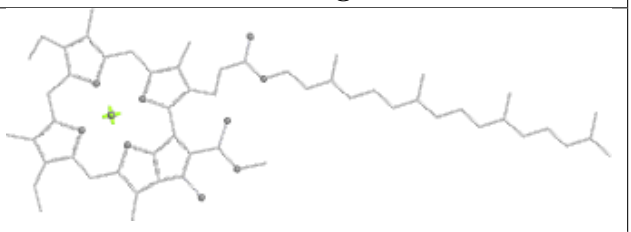
Bond lengths



Bond angles

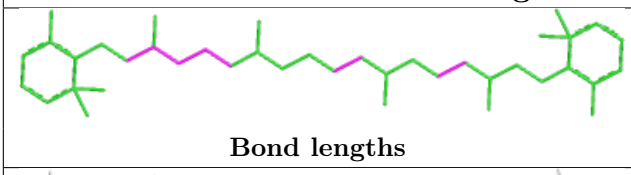


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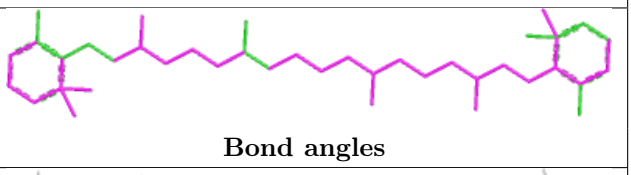


Rings

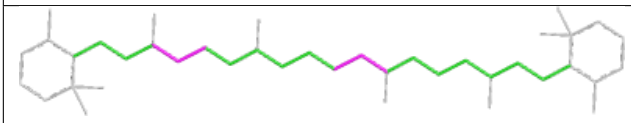
Ligand BCR U 1005



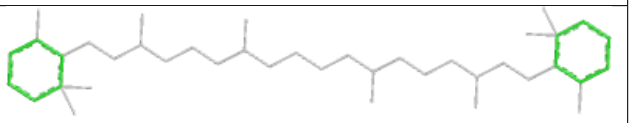
Bond lengths



Bond angles

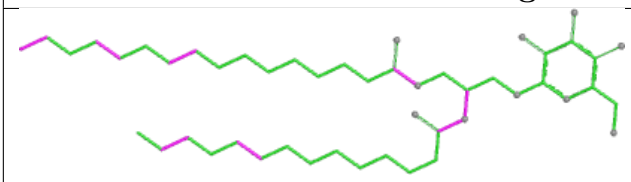


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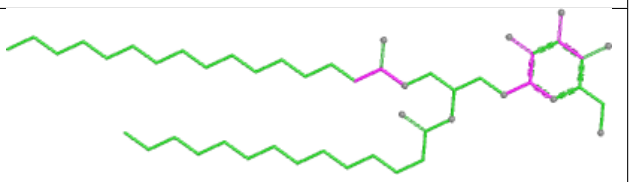


Rings

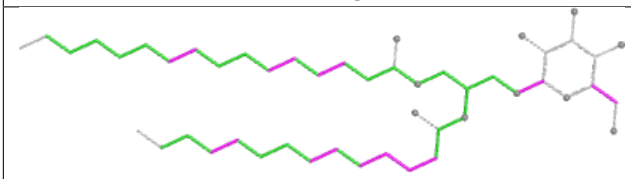
Ligand LMG H 848



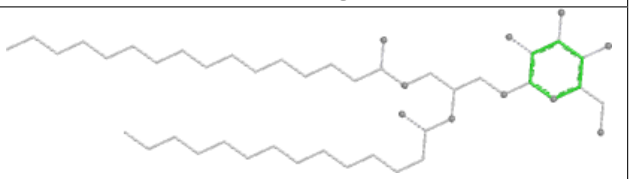
Bond lengths



Bond angles

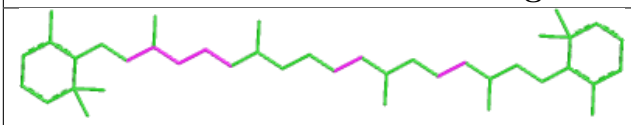


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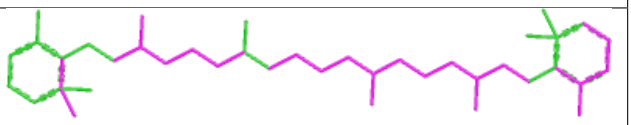


Rings

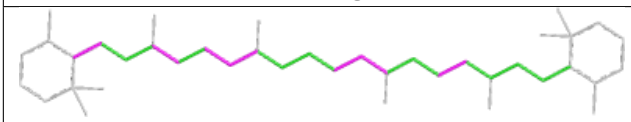
Ligand BCR L 207



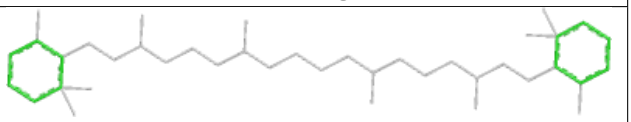
Bond lengths



Bond angles

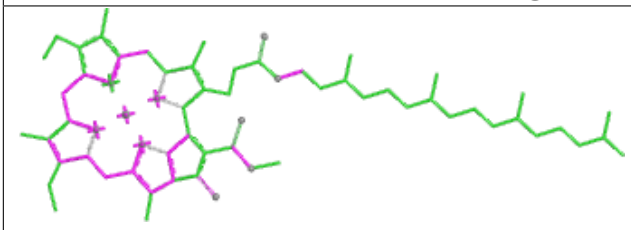


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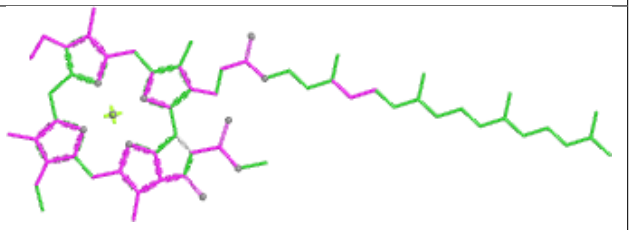


Rings

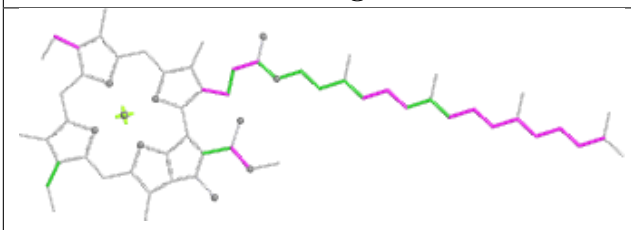
Ligand CLA Z 828



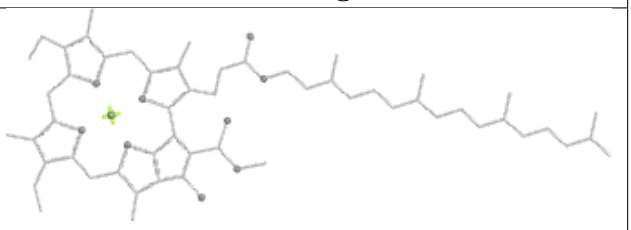
Bond lengths



Bond angles

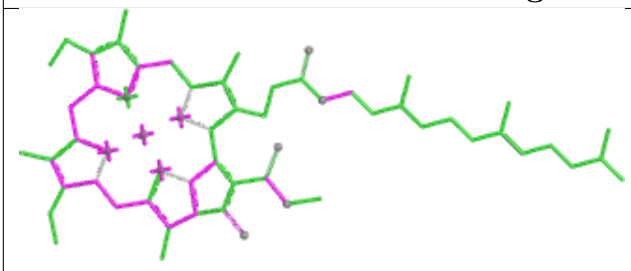


Torsions

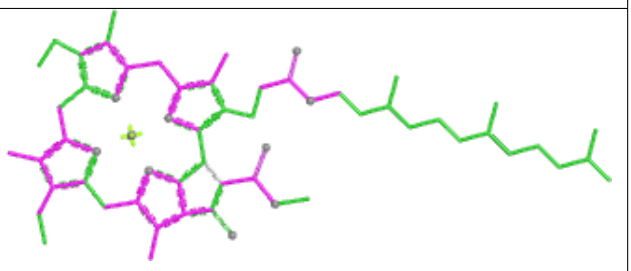


Rings

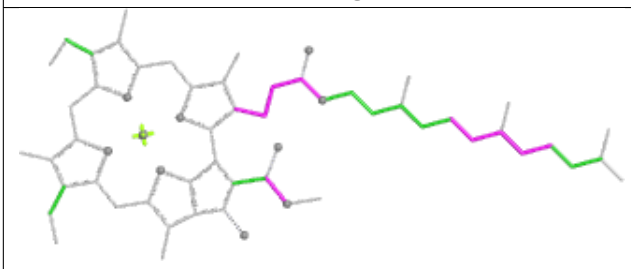
Ligand CLA Z 819



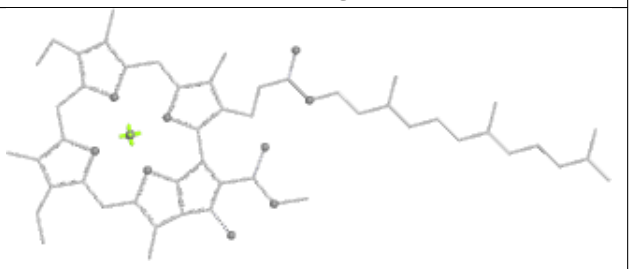
Bond lengths



Bond angles

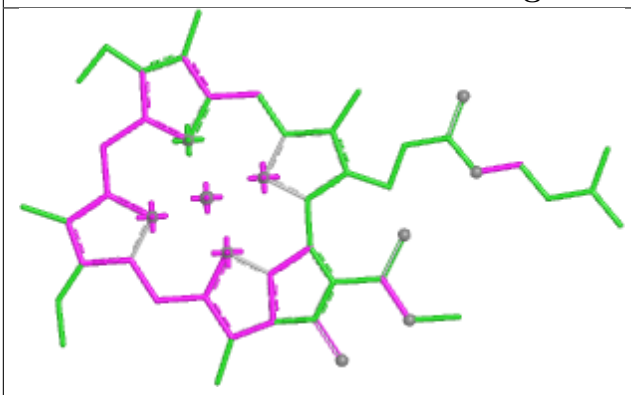


Torsions

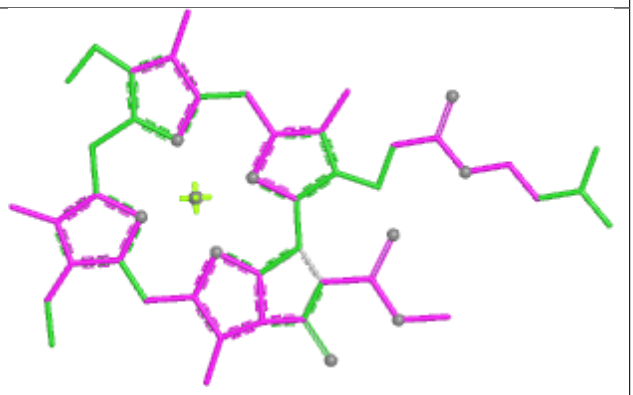


Rings

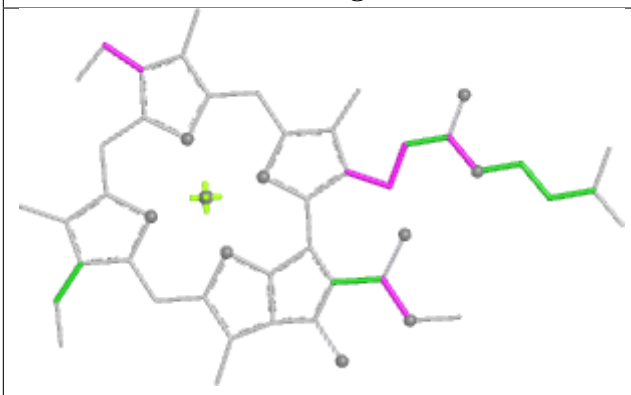
Ligand CLA A 843



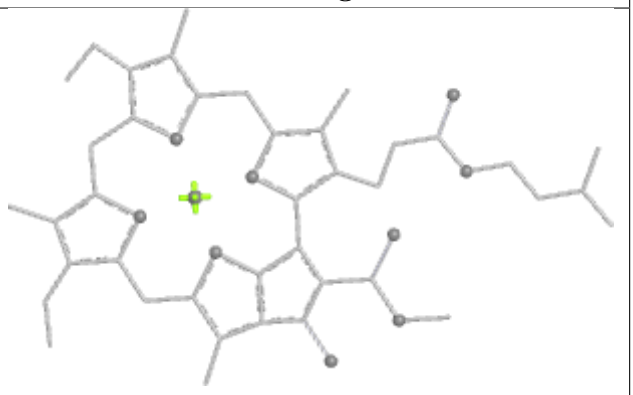
Bond lengths



Bond angles

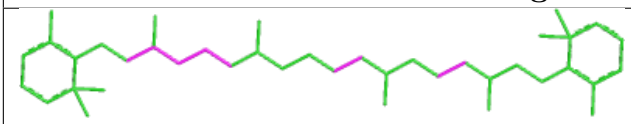


Torsions

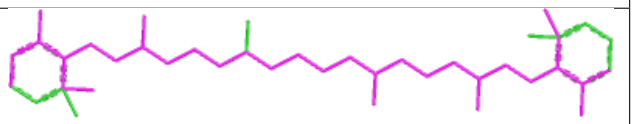


Rings

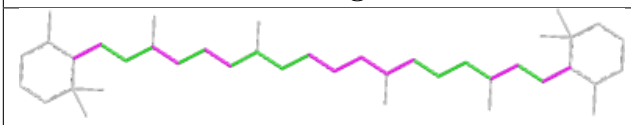
Ligand BCR i 101



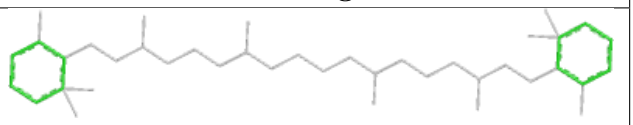
Bond lengths



Bond angles

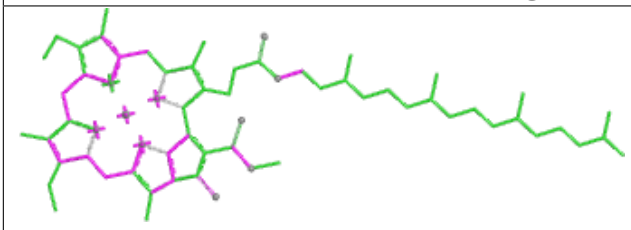


Torsions

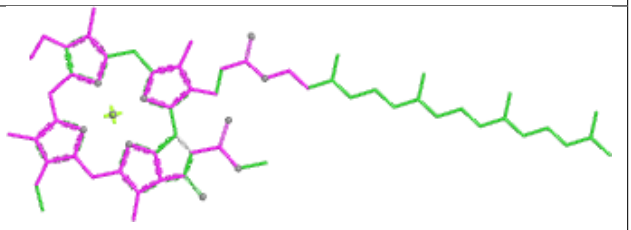


Rings

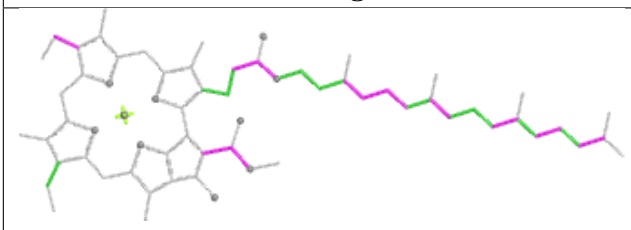
Ligand CLA H 808



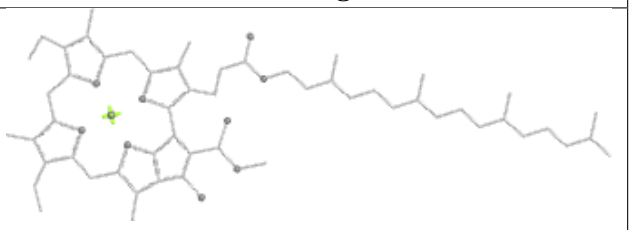
Bond lengths



Bond angles

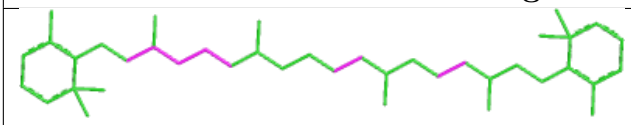


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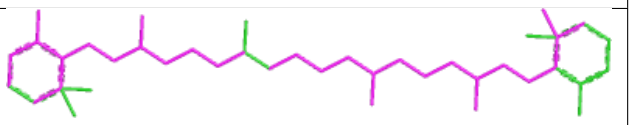


Rings

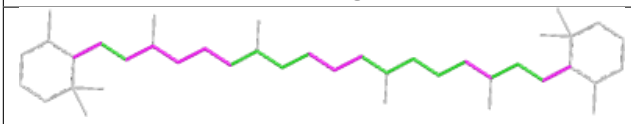
Ligand BCR B 844



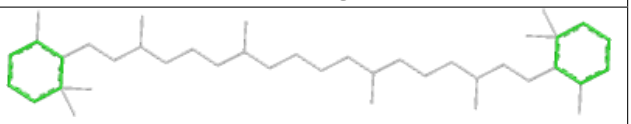
Bond lengths



Bond angles

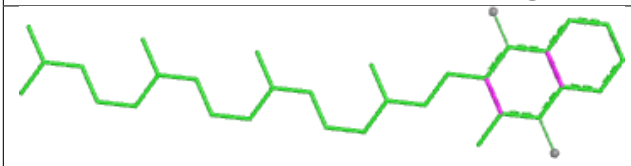


Torsions

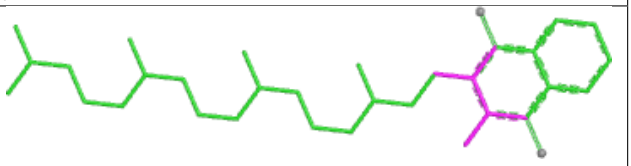


Rings

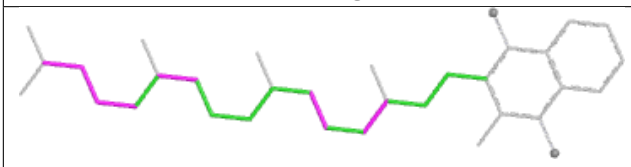
Ligand PQN Z 842



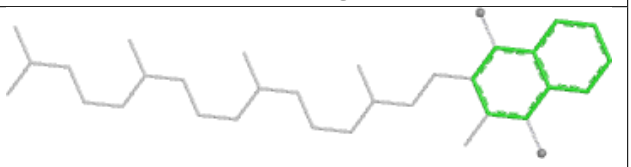
Bond lengths



Bond angles

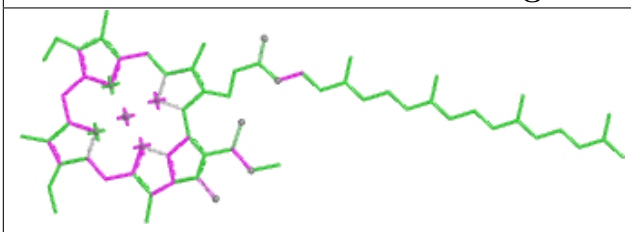


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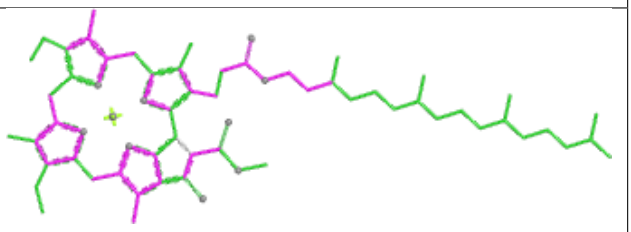


Rings

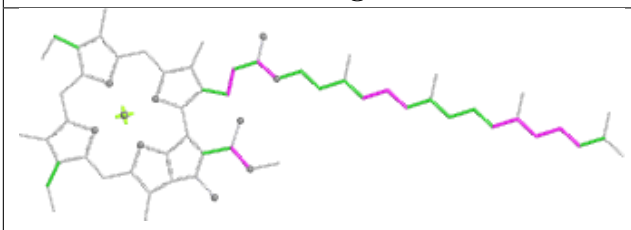
Ligand CLA Y 841



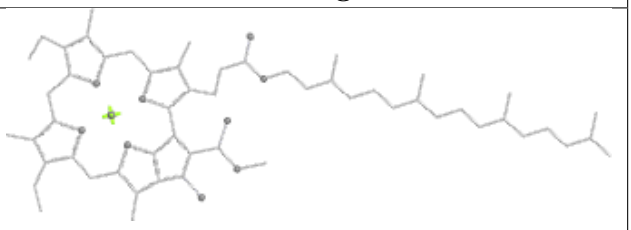
Bond lengths



Bond angles

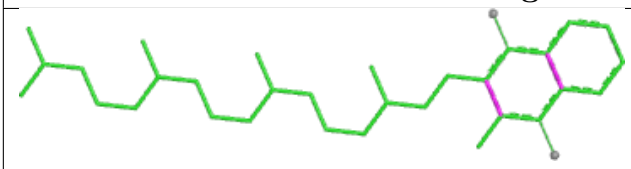


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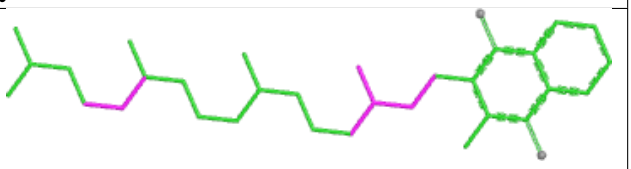


Rings

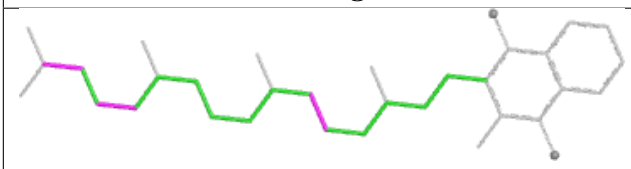
Ligand PQN A 844



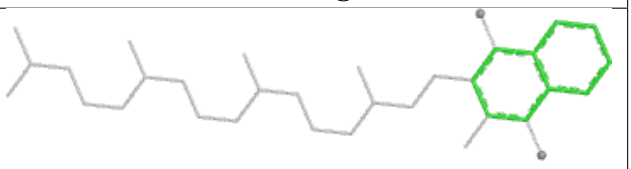
Bond lengths



Bond angles

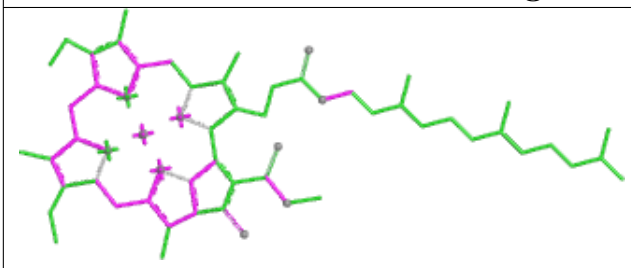


Torsions

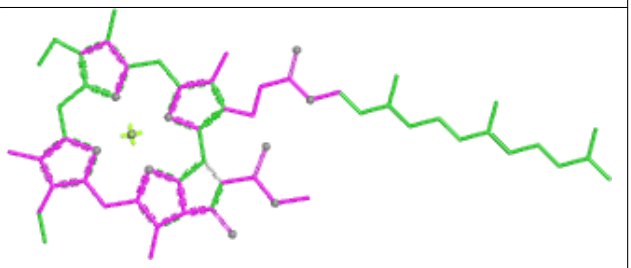


Rings

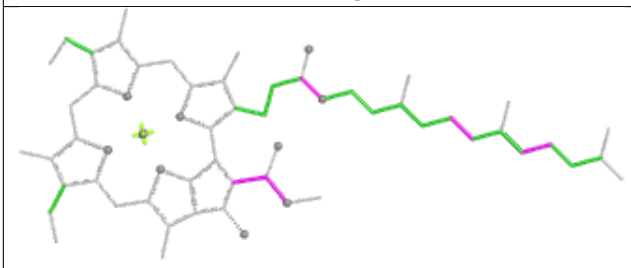
Ligand CLA B 836



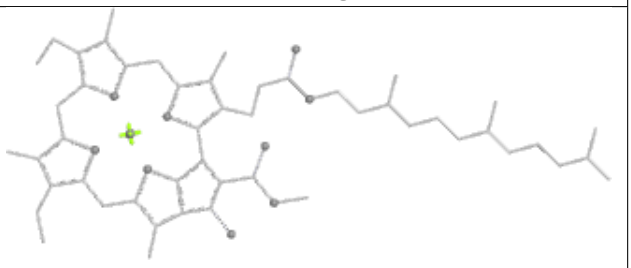
Bond lengths



Bond angles

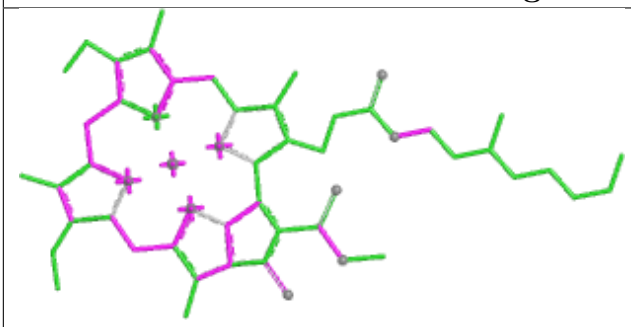


Torsions

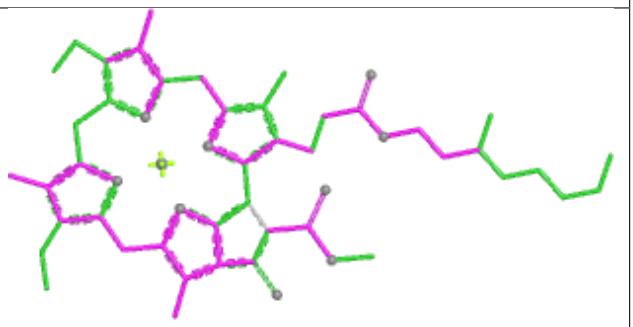


Rings

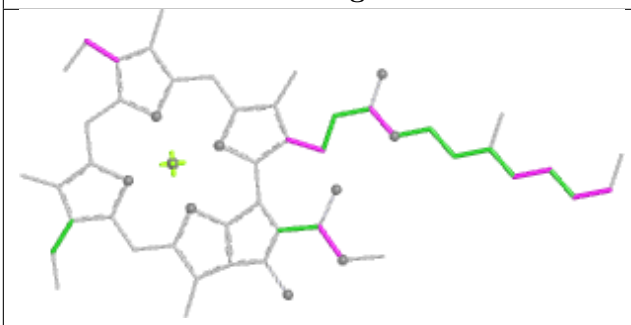
Ligand CLA H 804



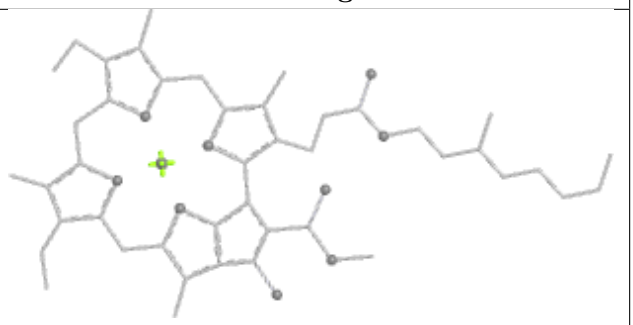
Bond lengths



Bond angles

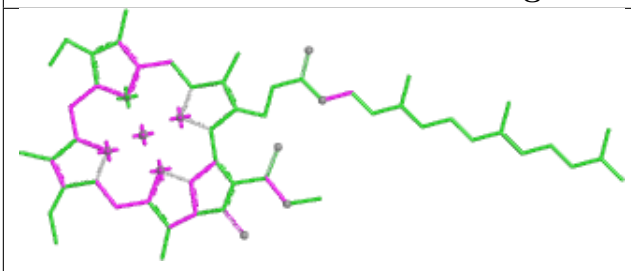


Torsions

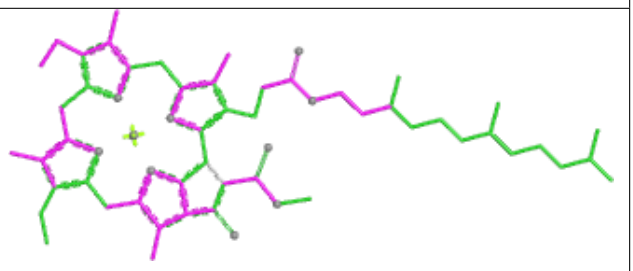


Rings

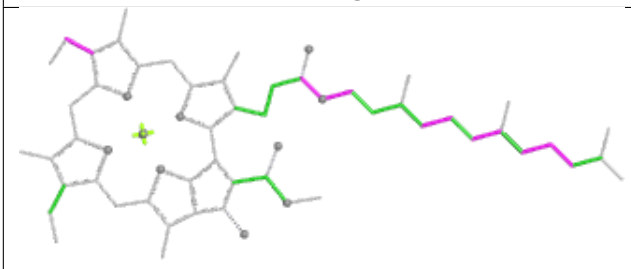
Ligand CLA Y 826



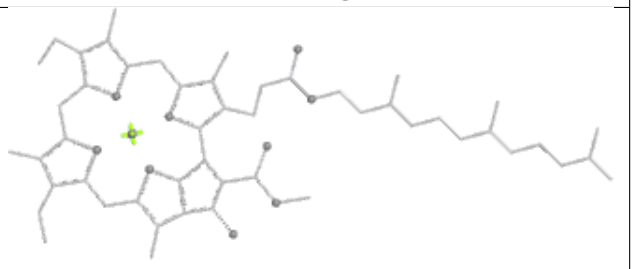
Bond lengths



Bond angles

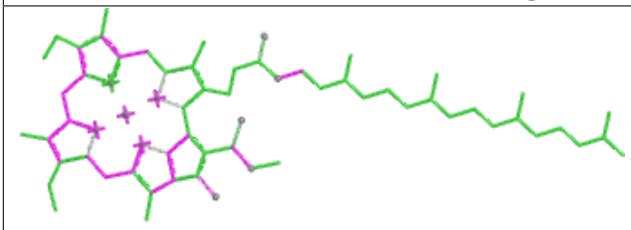


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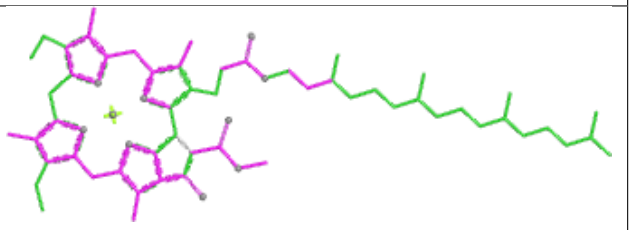


Rings

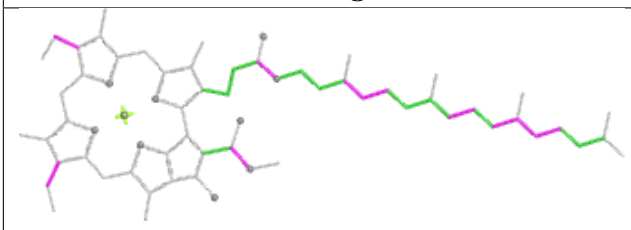
Ligand CLA G 827



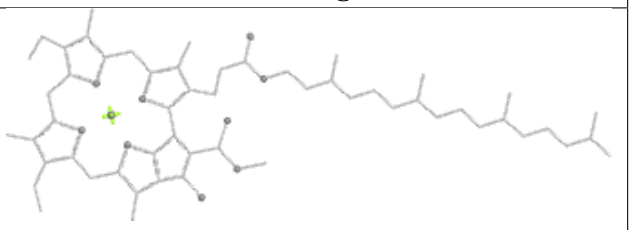
Bond lengths



Bond angles

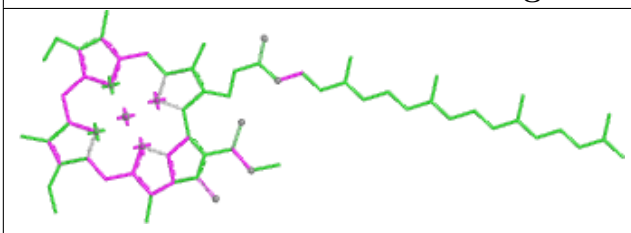


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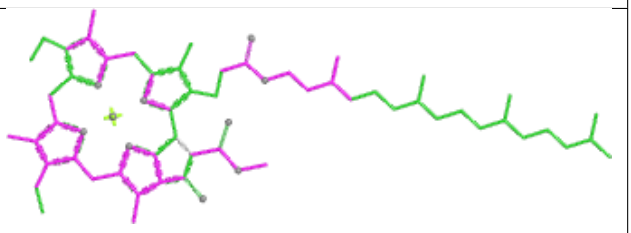


Rings

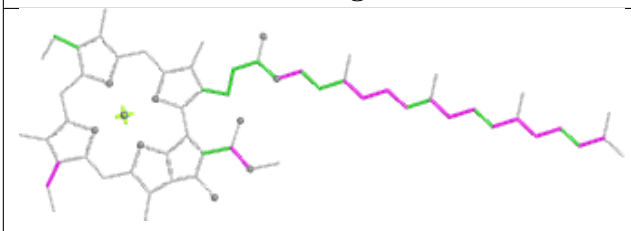
Ligand CLA A 841



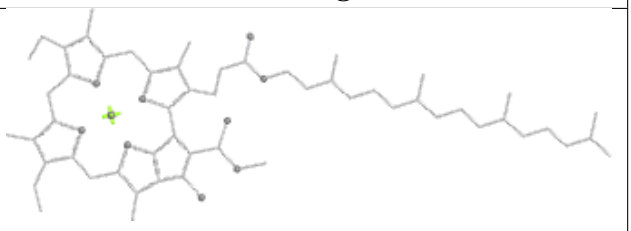
Bond lengths



Bond angles

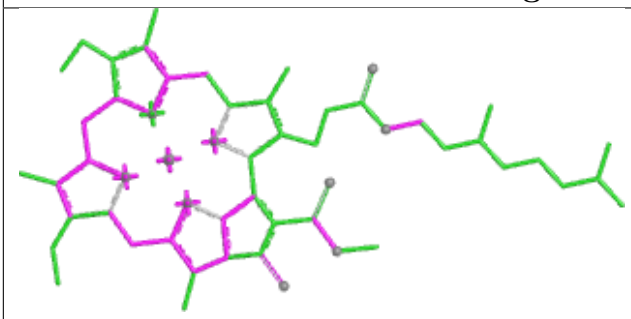


Torsions

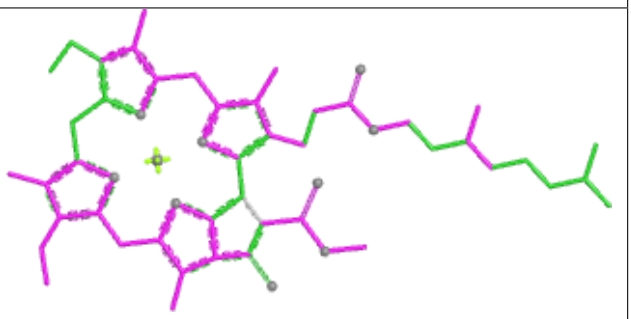


Rings

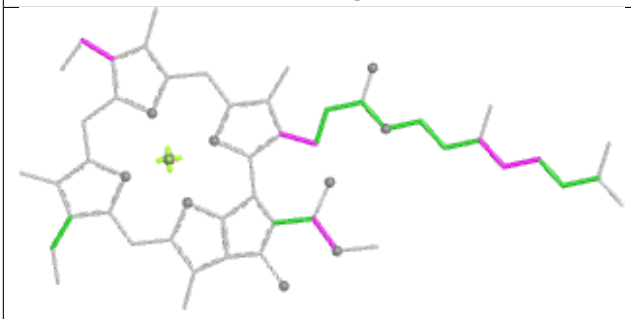
Ligand CLA G 834



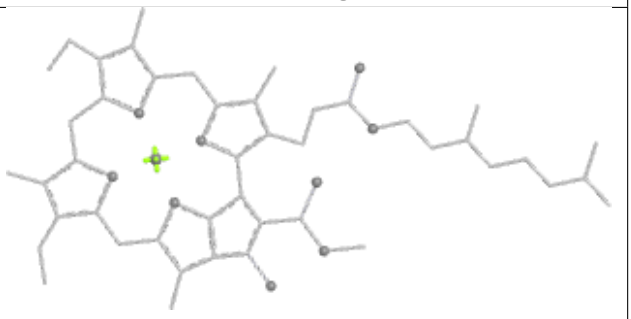
Bond lengths



Bond angles

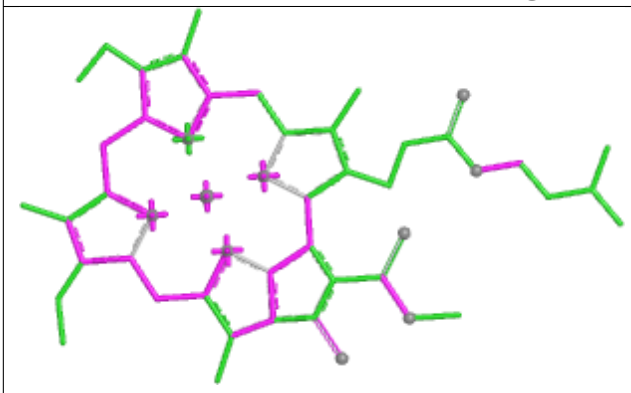


Torsions

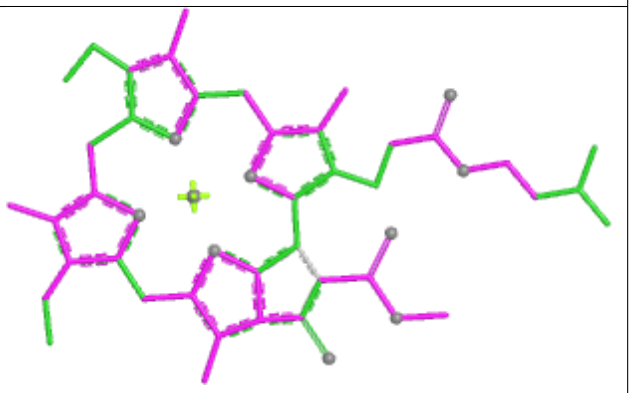


Rings

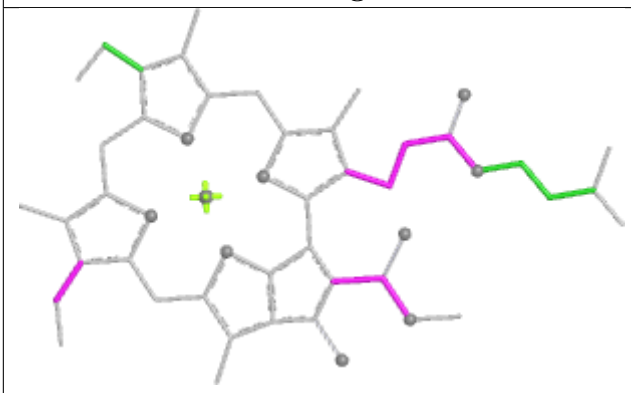
Ligand CLA H 851



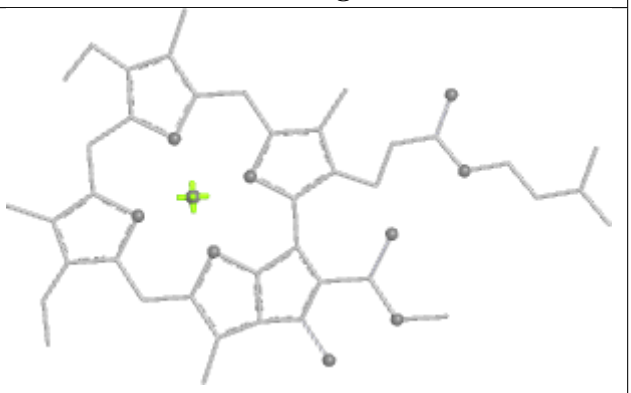
Bond lengths



Bond angles

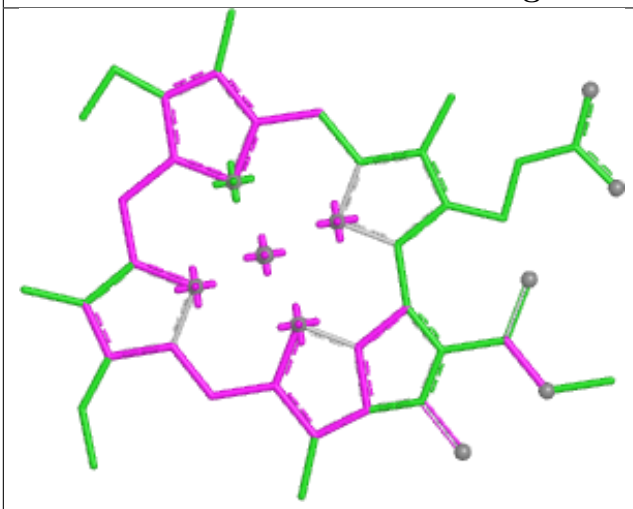


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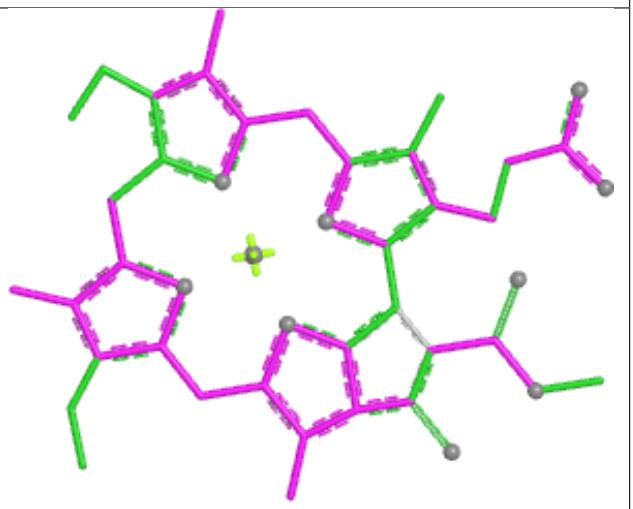


Rings

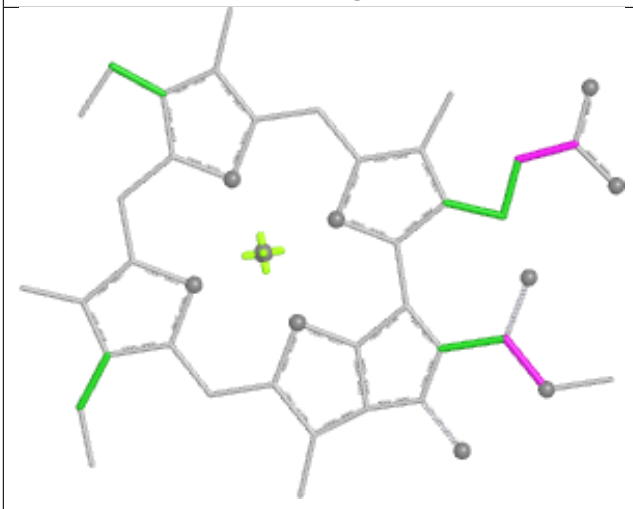
Ligand CLA G 853



Bond lengths



Bond angles

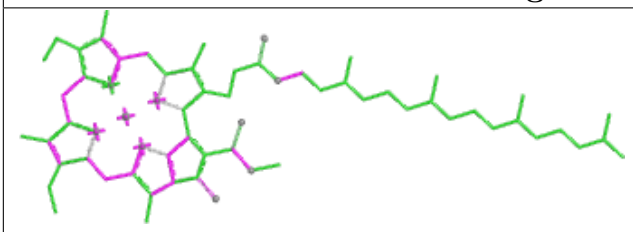


Torsions

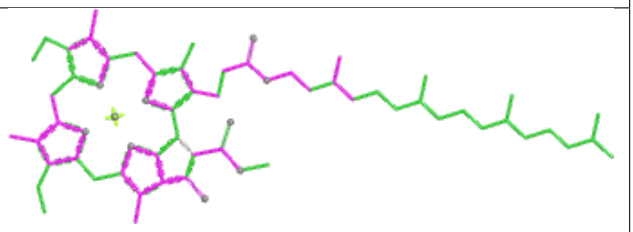


Rings

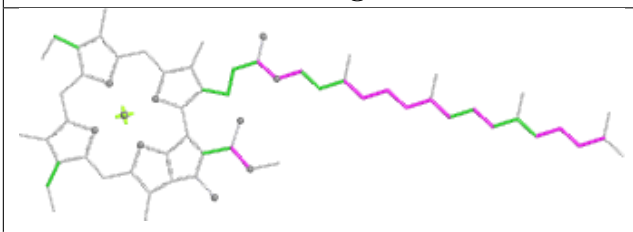
Ligand CLA Z 807



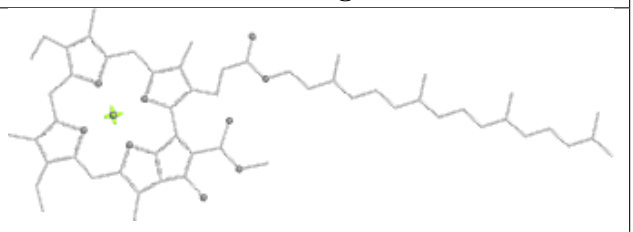
Bond lengths



Bond angles

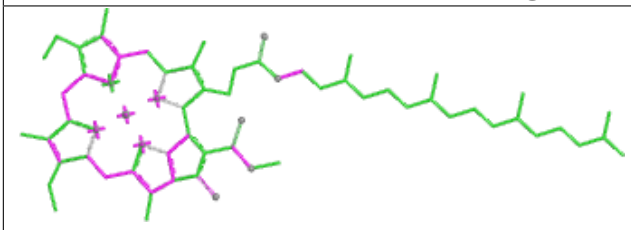


Torsions

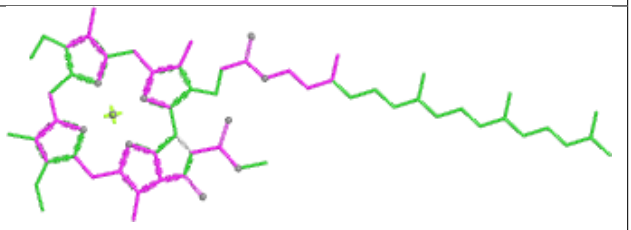


Rings

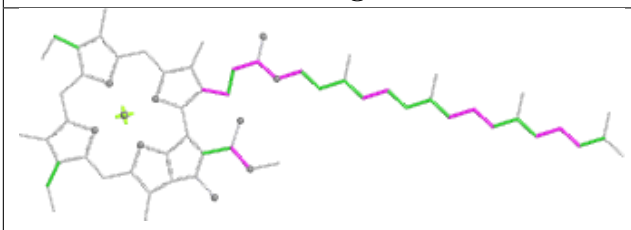
Ligand CLA Y 818



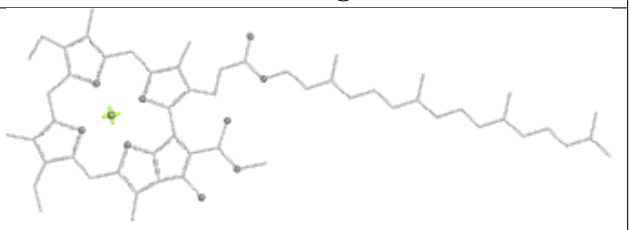
Bond lengths



Bond angles

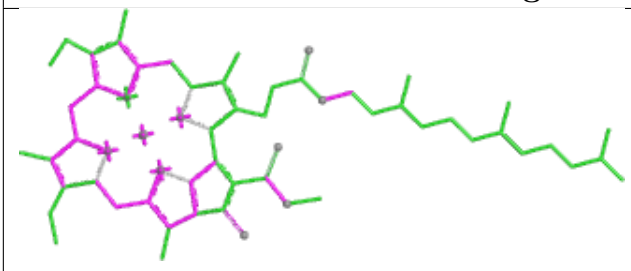


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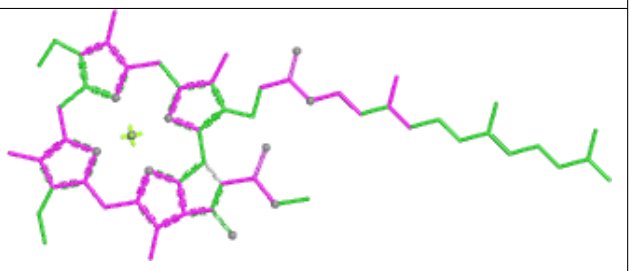


Rings

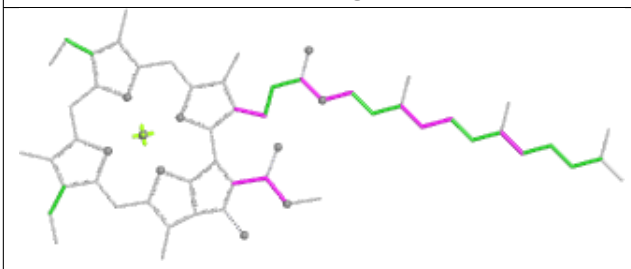
Ligand CLA G 820



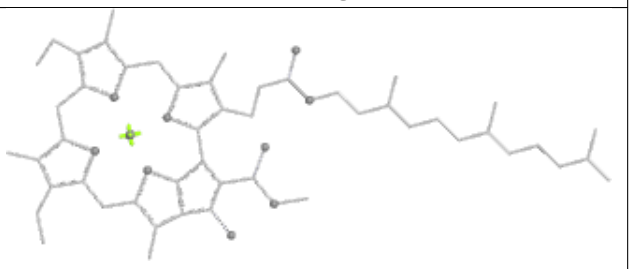
Bond lengths



Bond angles

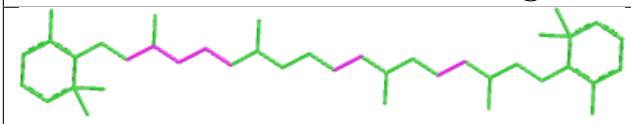


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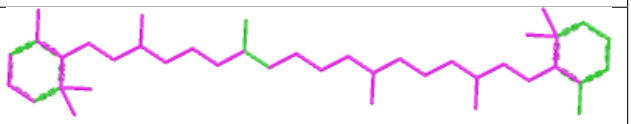


Rings

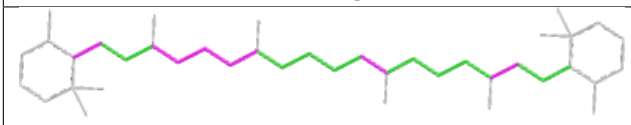
Ligand BCR A 851



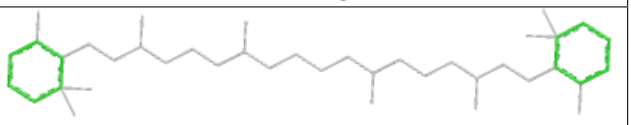
Bond lengths



Bond angles

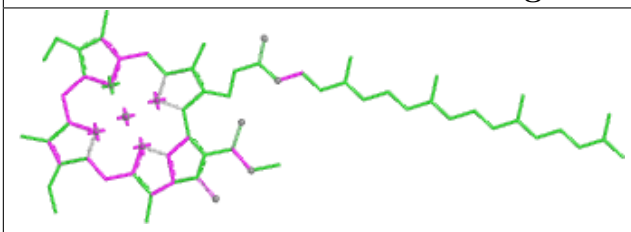


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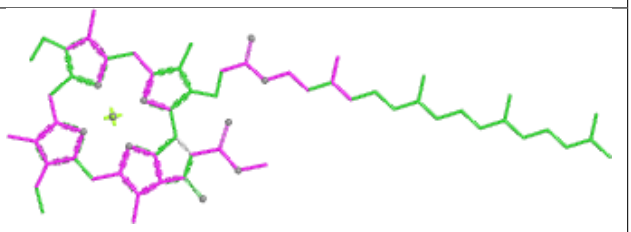


Rings

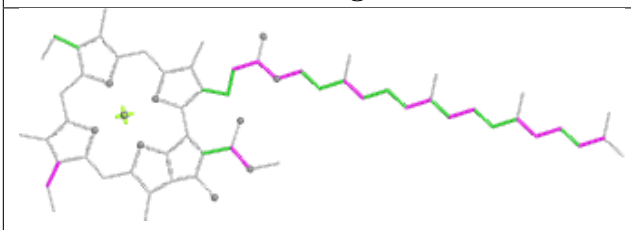
Ligand CLA B 813



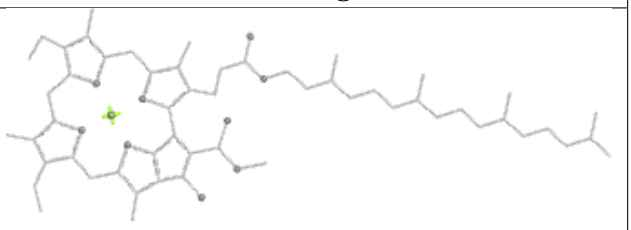
Bond lengths



Bond angles

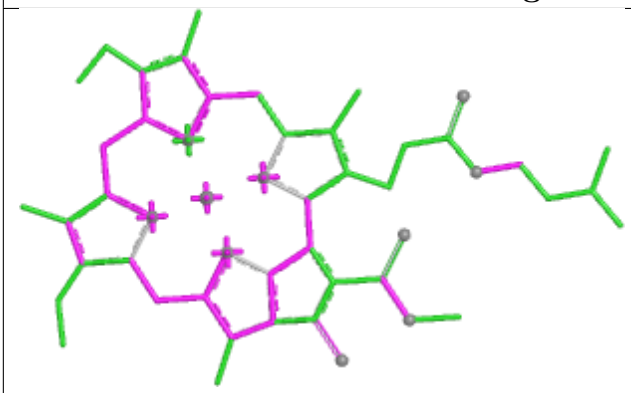


Torsions

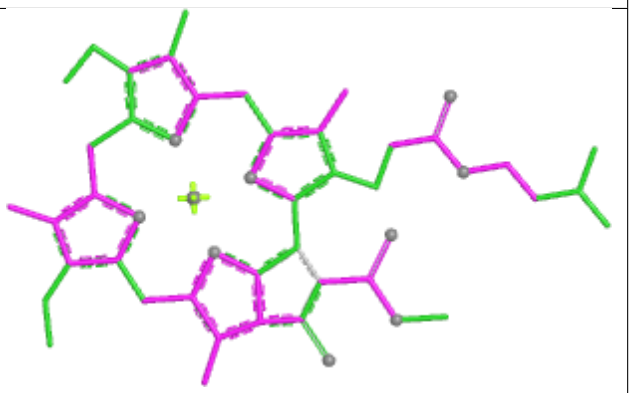


Rings

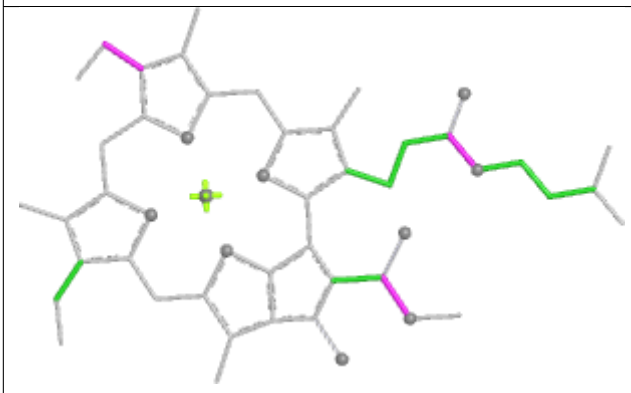
Ligand CLA G 823



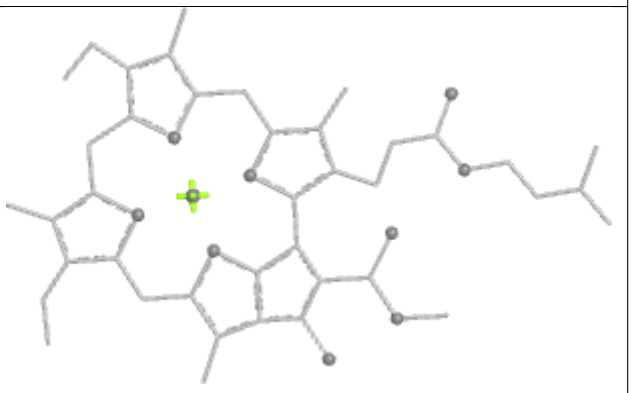
Bond lengths



Bond angles

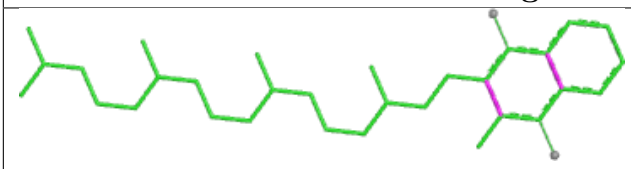


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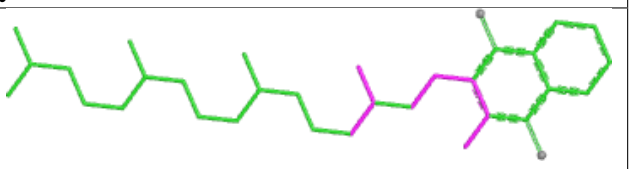


Rings

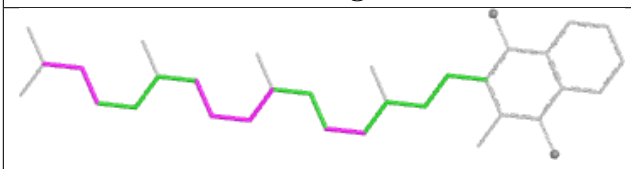
Ligand PQN Y 842



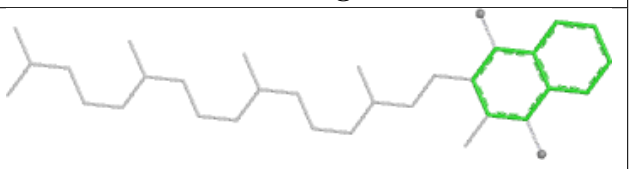
Bond lengths



Bond angles

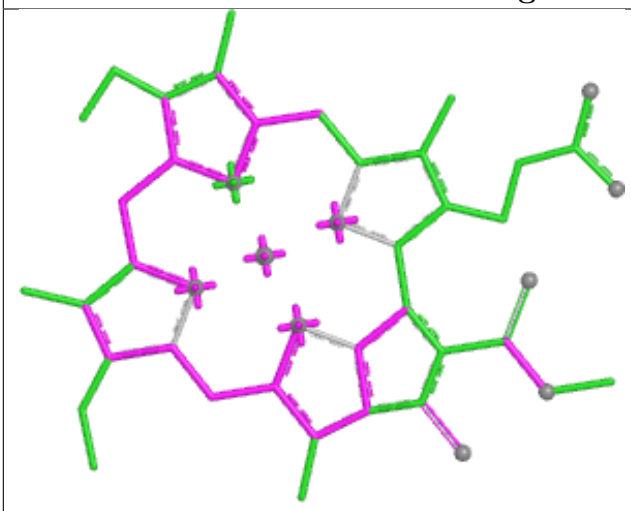


Torsions

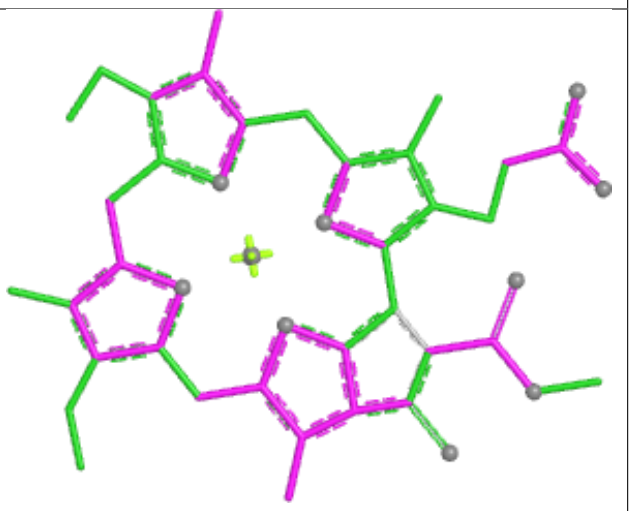


Rings

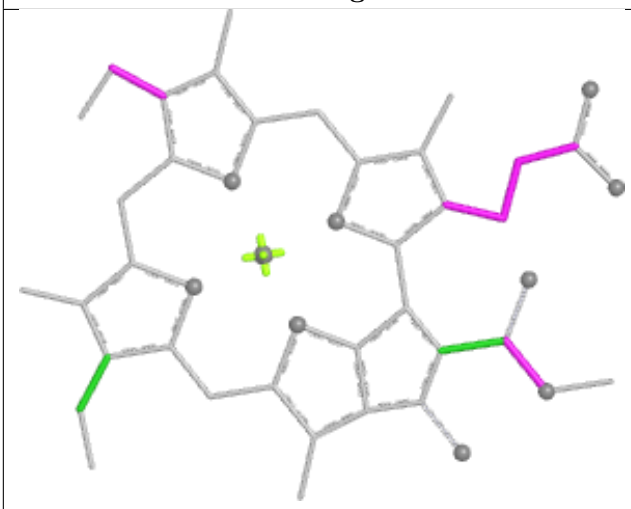
Ligand CLA S 1102



Bond lengths



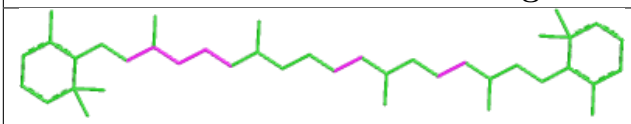
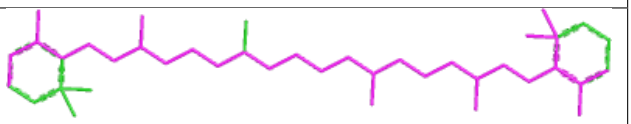
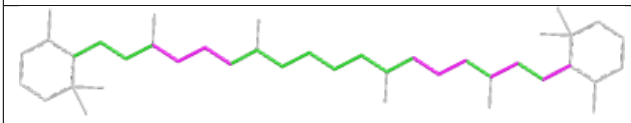
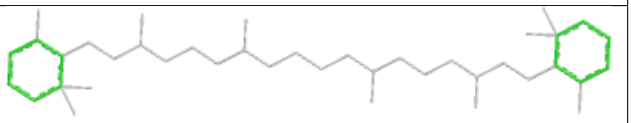
Bond angles

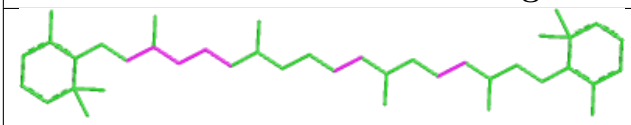
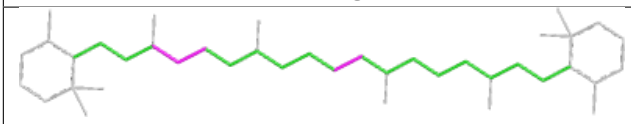
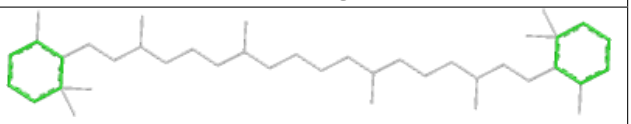


Torsions

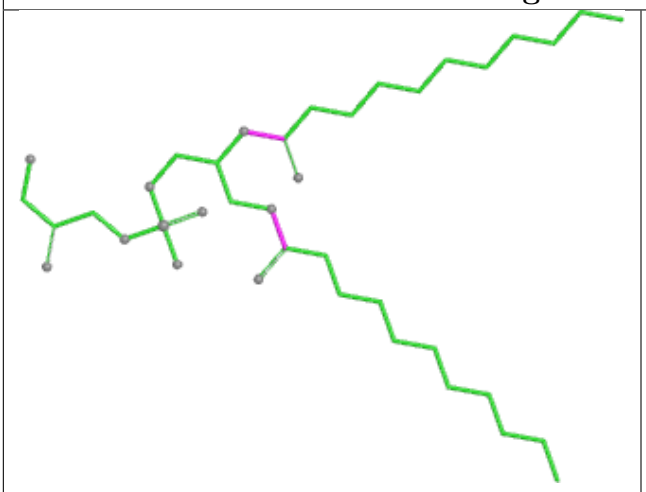


Rings

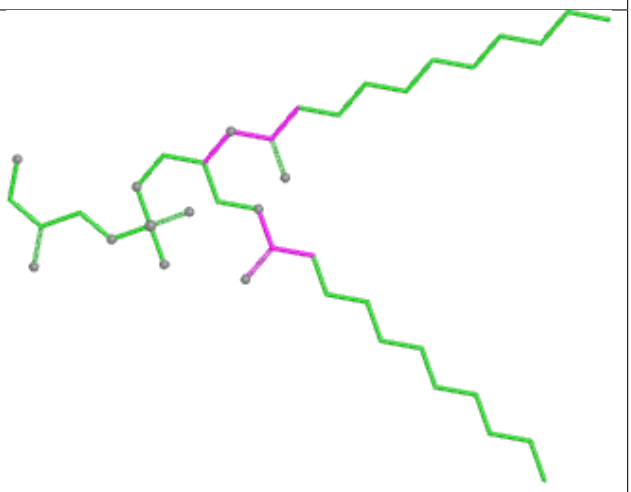
Ligand BCR A 846	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand BCR Y 845	
 Bond lengths	 Bond angles
 Torsions	 Rings

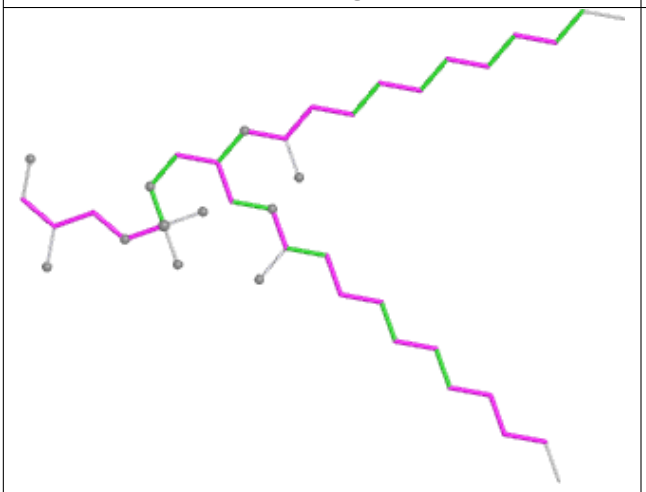
Ligand LHG B 849



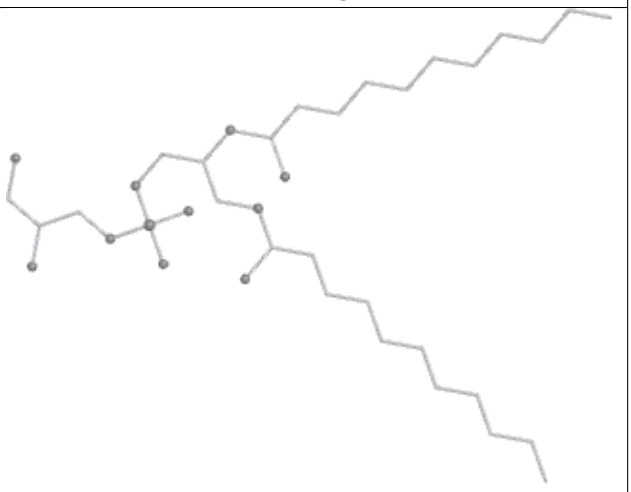
Bond lengths



Bond angles

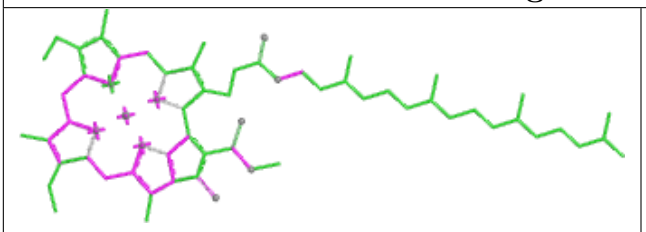


Torsions

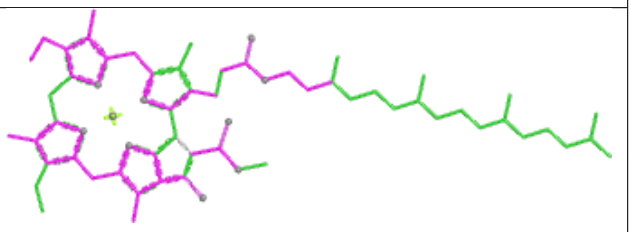


Rings

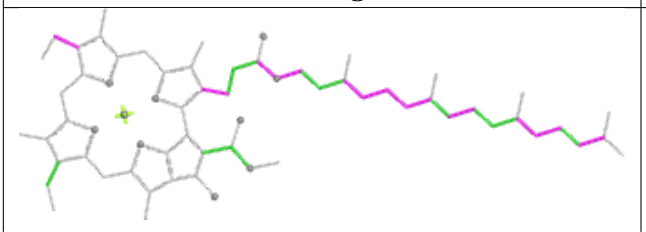
Ligand CLA Z 802



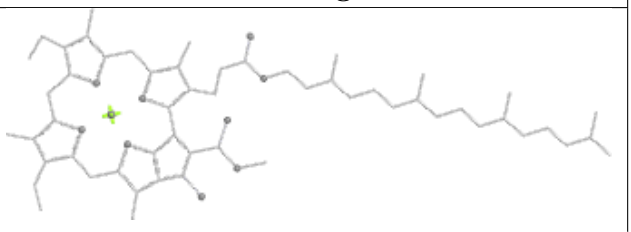
Bond lengths



Bond angles

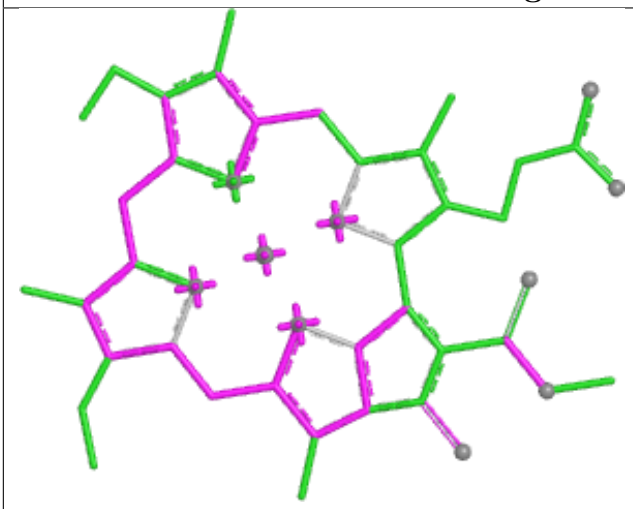


Torsions

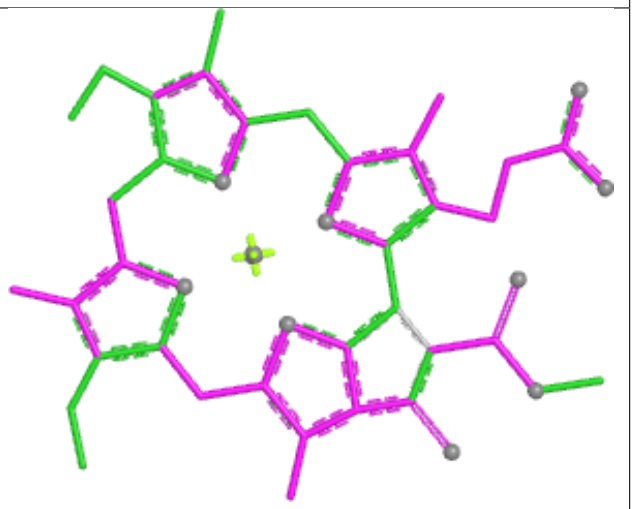


Rings

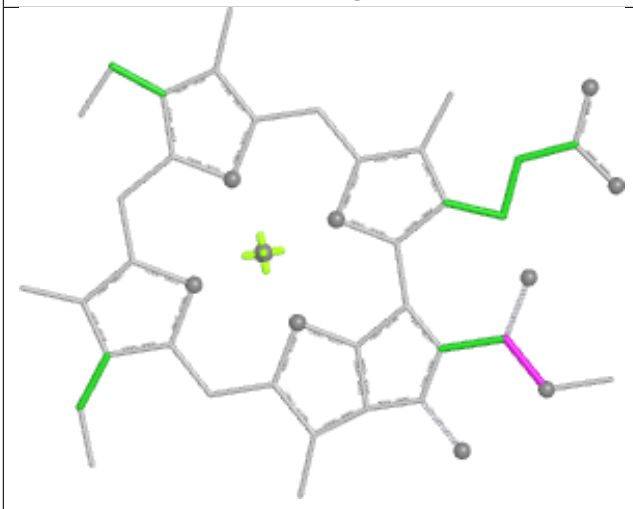
Ligand CLA B 814



Bond lengths



Bond angles

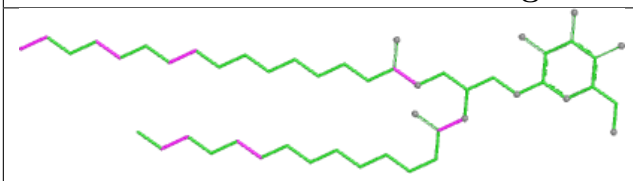


Torsions

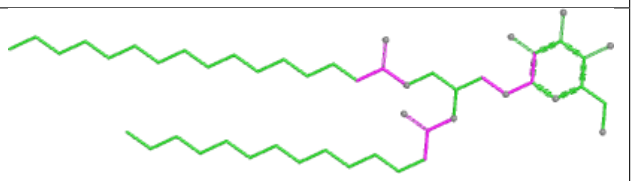


Rings

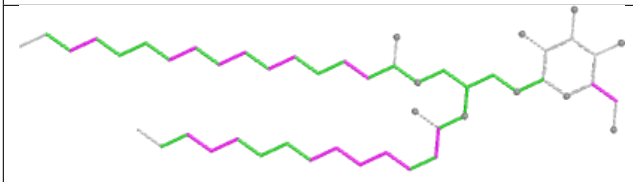
Ligand LMG Z 849



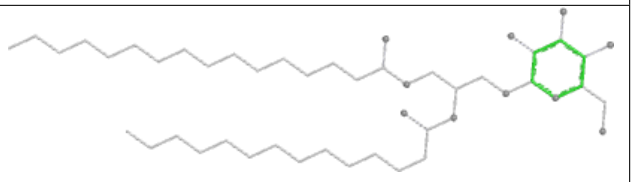
Bond lengths



Bond angles

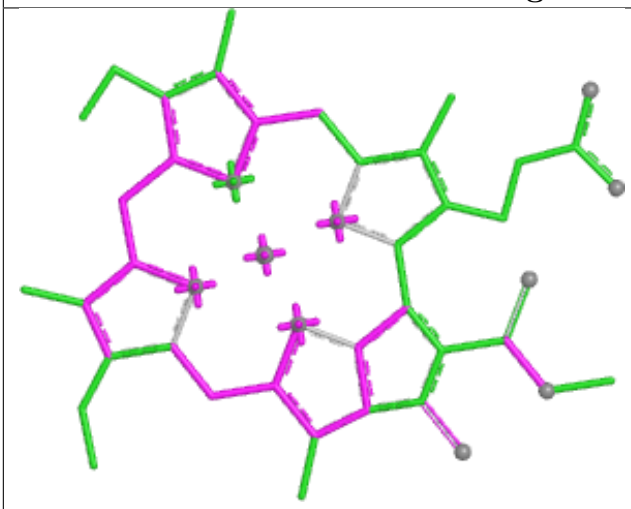


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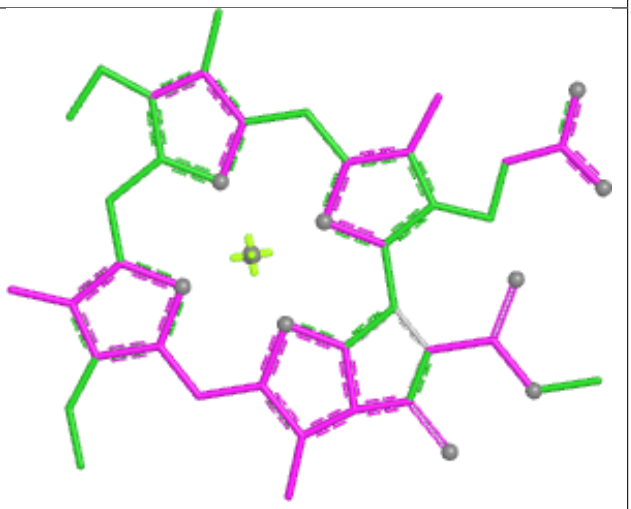


Rings

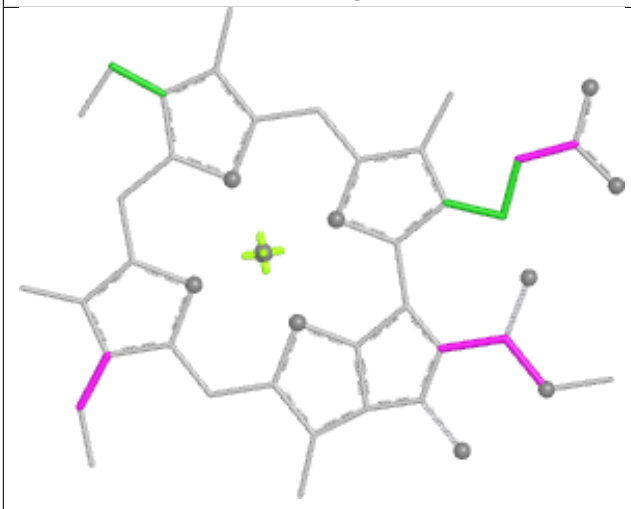
Ligand CLA Z 836



Bond lengths



Bond angles

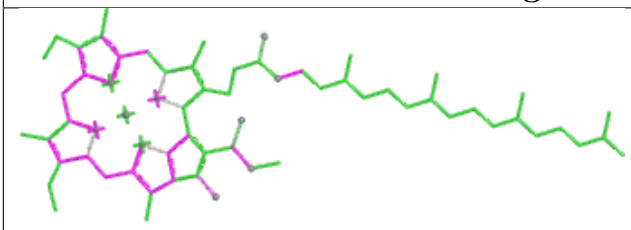


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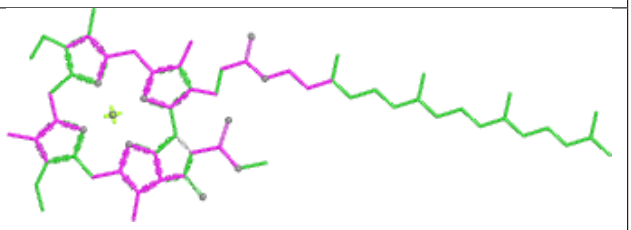


Rings

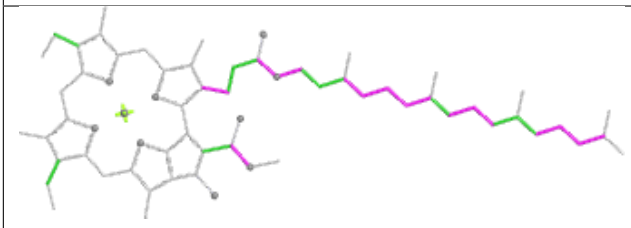
Ligand CLA G 819



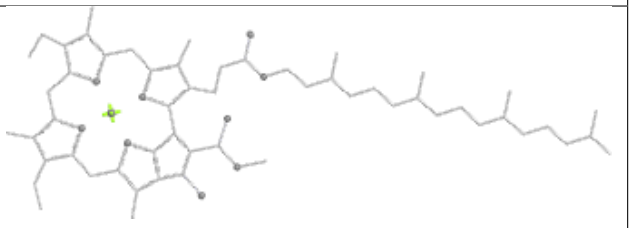
Bond lengths



Bond angles

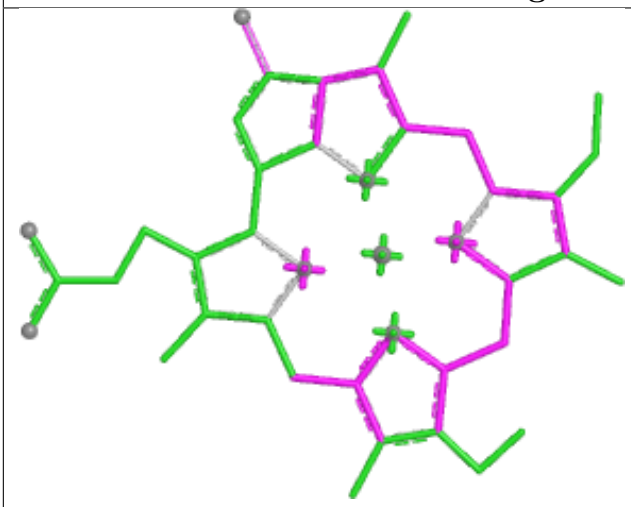


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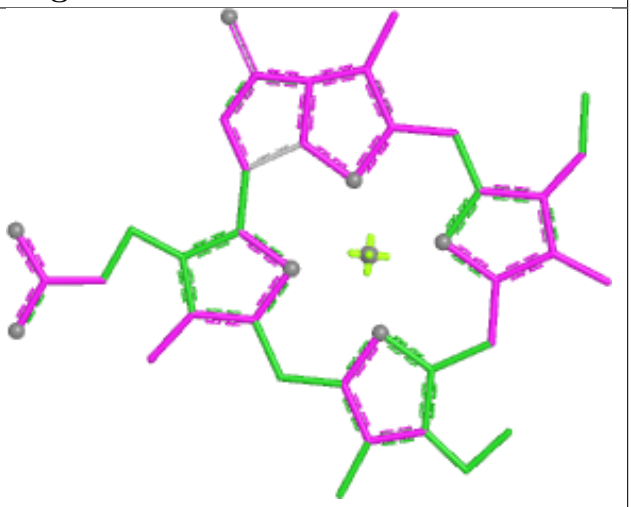


Rings

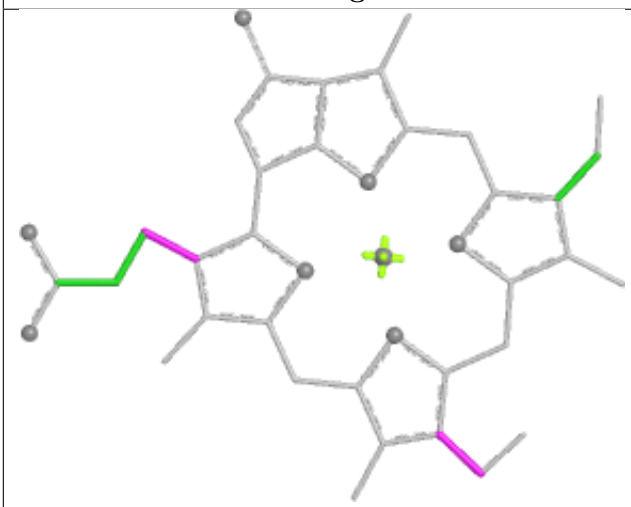
Ligand CLA g 101



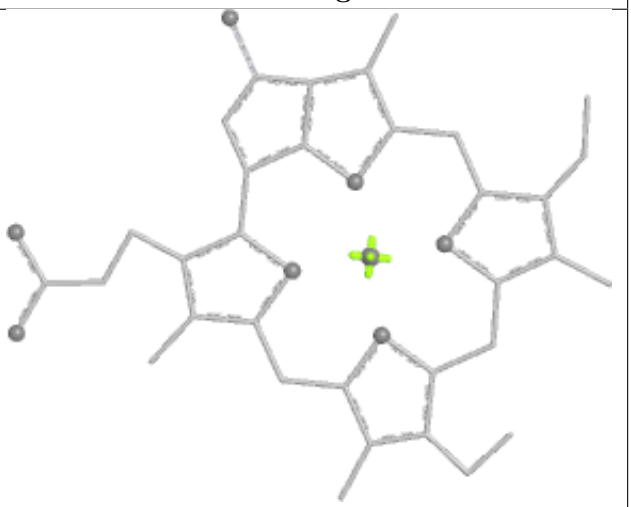
Bond lengths



Bond angles

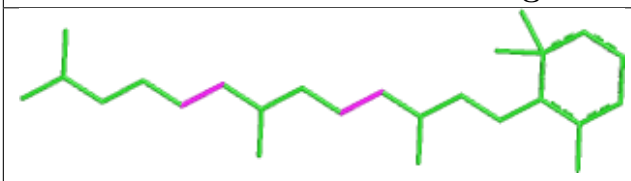


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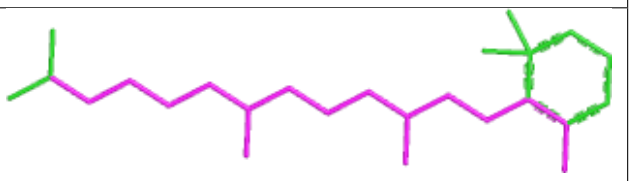


Rings

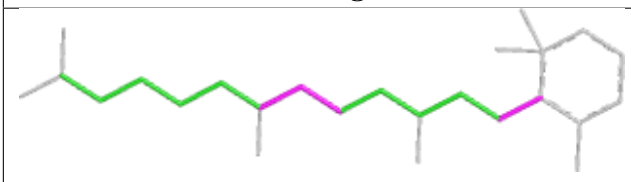
Ligand BCR B 845



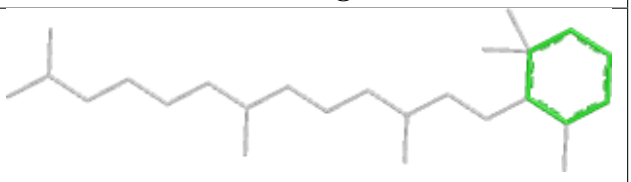
Bond lengths



Bond angles

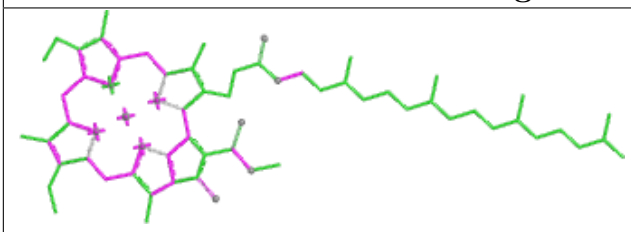


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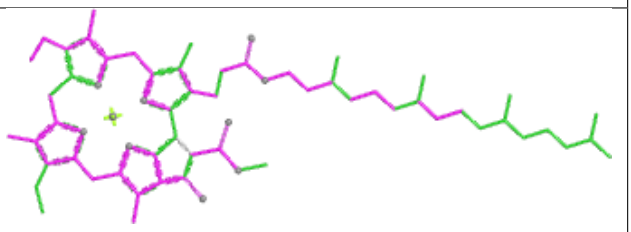


Rings

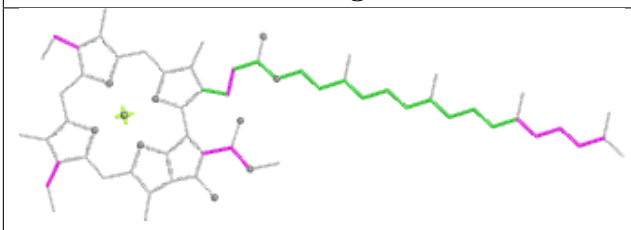
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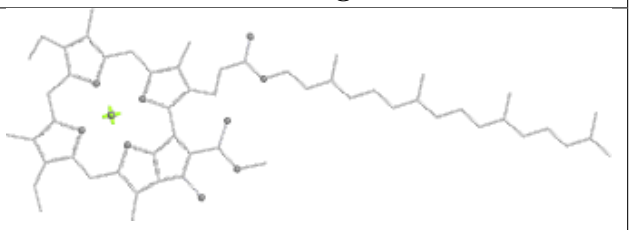
Bond lengths



Bond angles

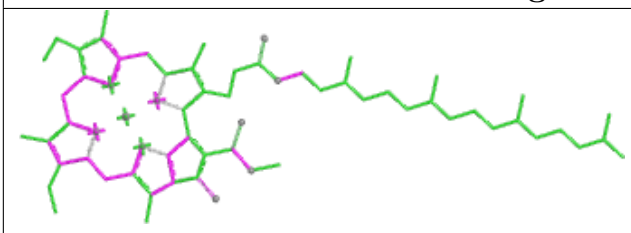


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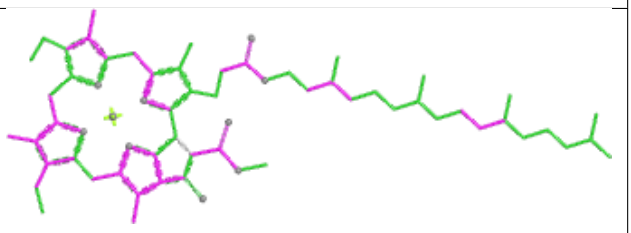


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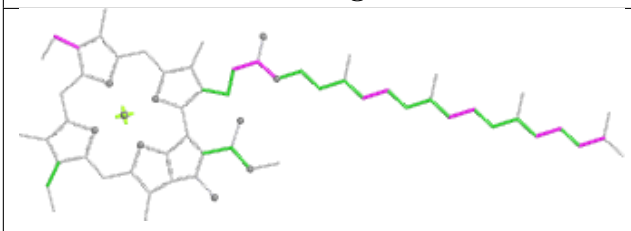
Ligand CL0 A 801



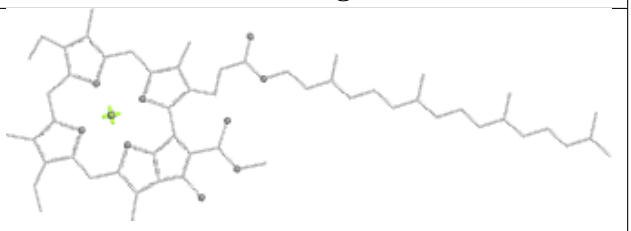
Bond lengths



Bond angles

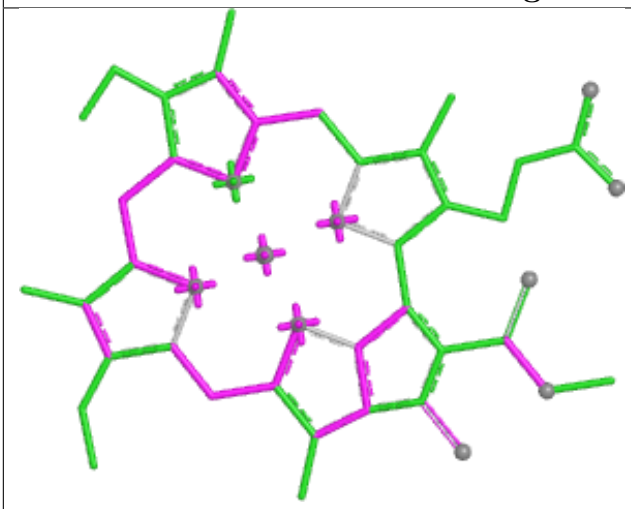


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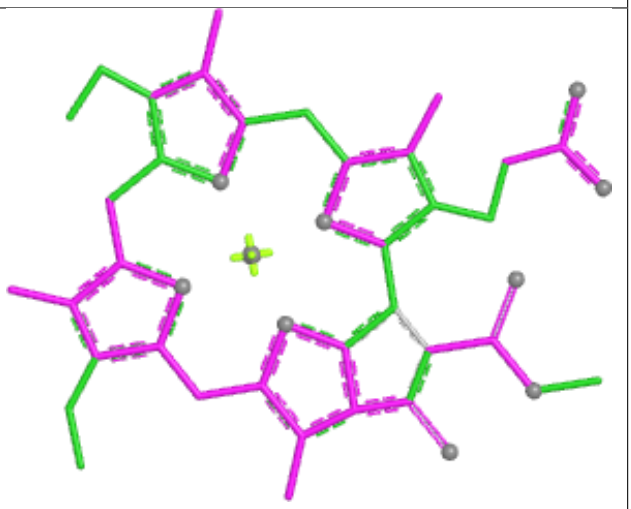


Rings

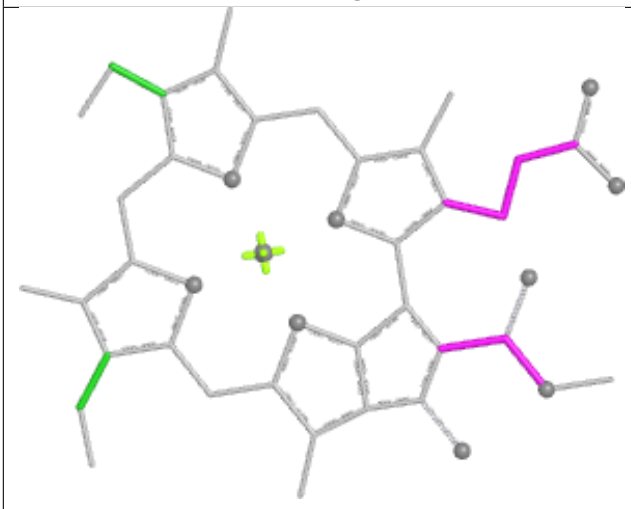
Ligand CLA H 820



Bond lengths



Bond angles

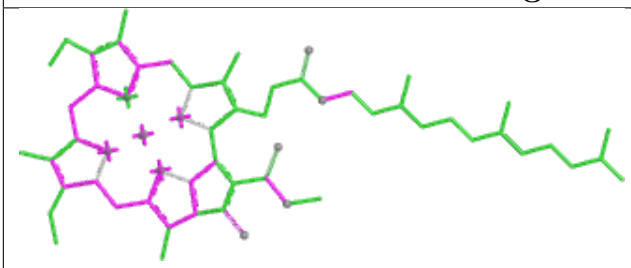


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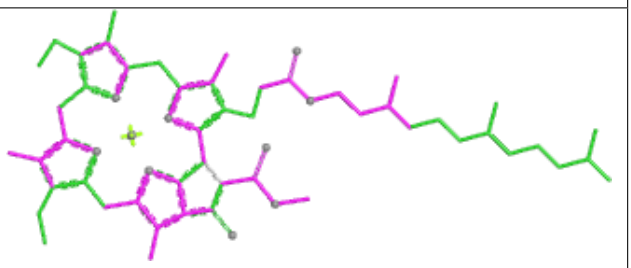


Rings

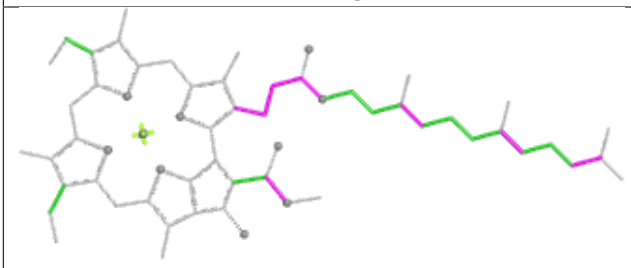
Ligand CLA A 821



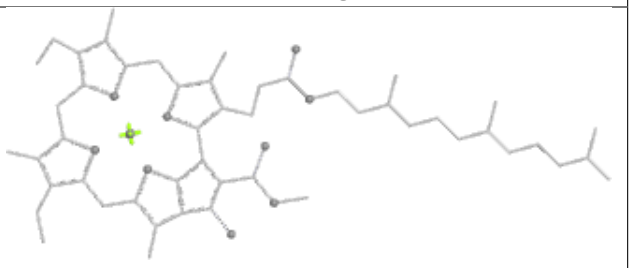
Bond lengths



Bond angles

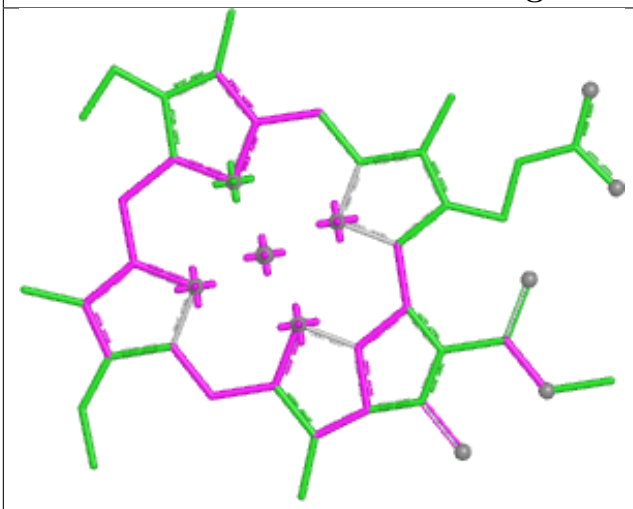


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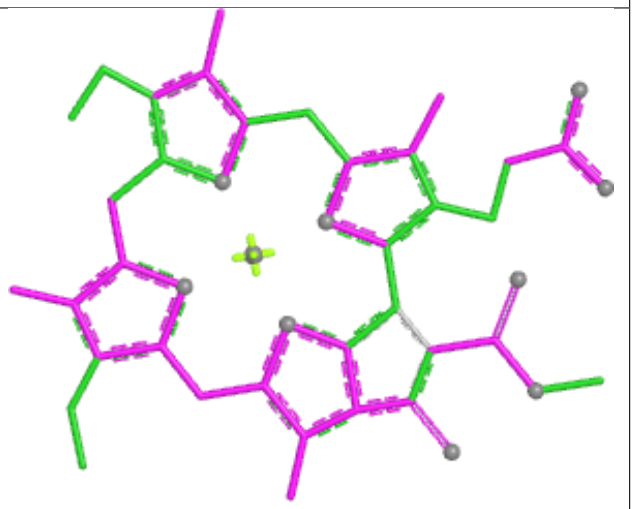


Rings

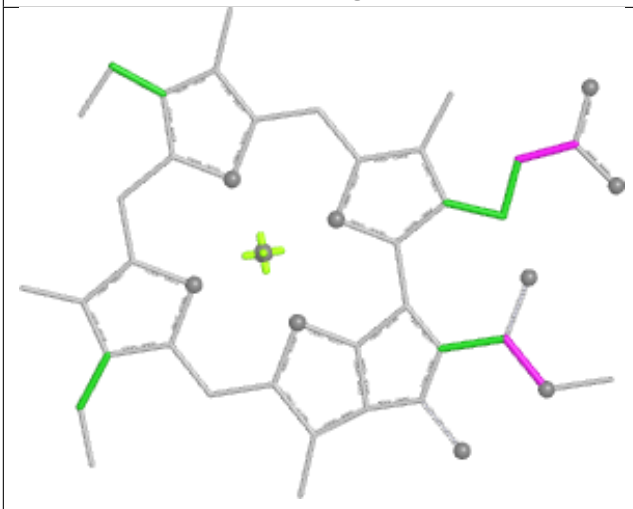
Ligand CLA F 202



Bond lengths



Bond angles

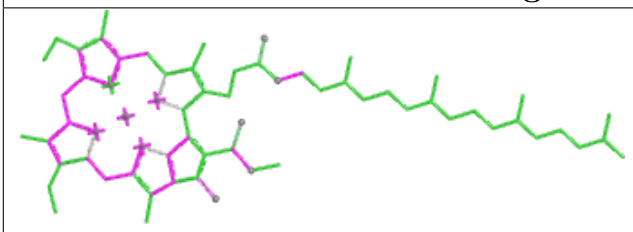


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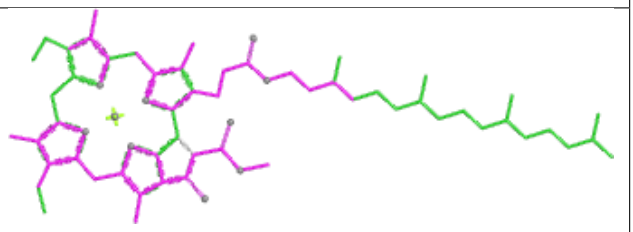


Rings

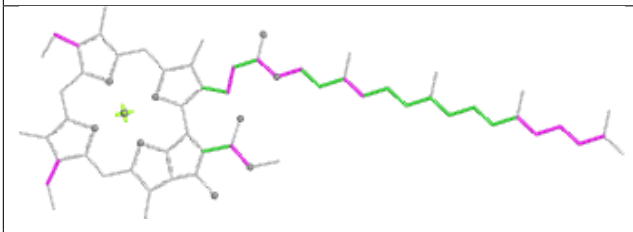
Ligand CLA H 810



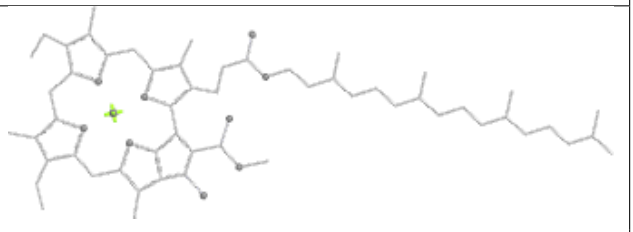
Bond lengths



Bond angles

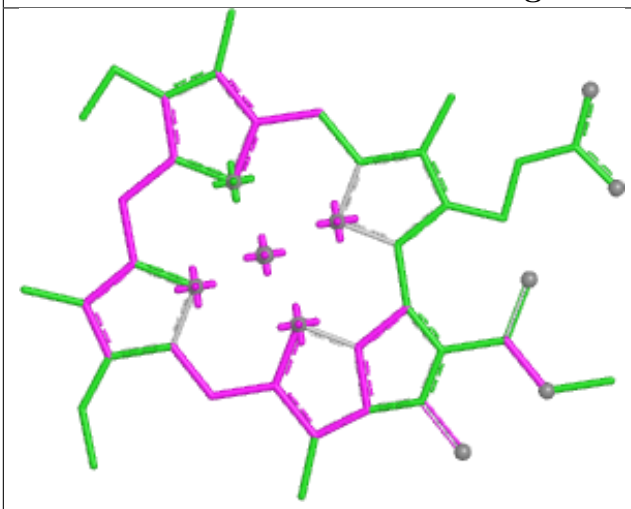


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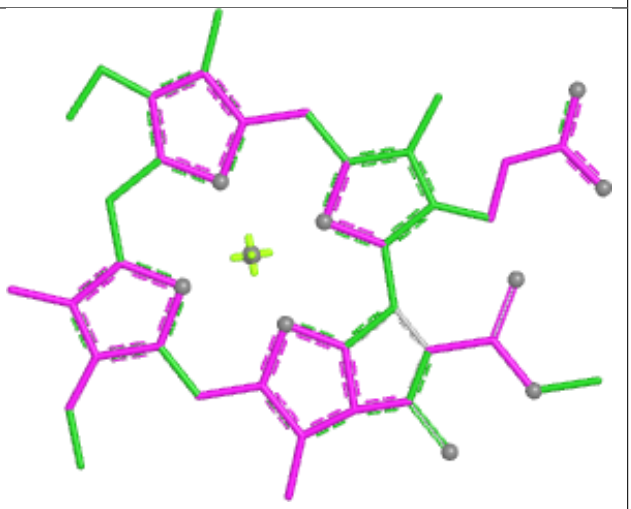


Rings

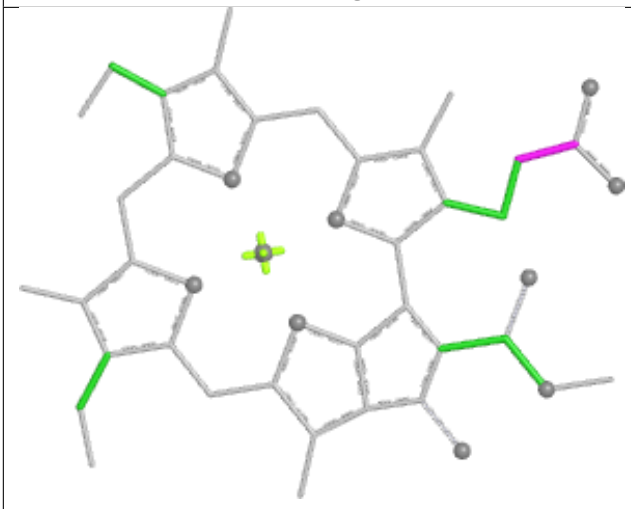
Ligand CLA B 838



Bond lengths



Bond angles

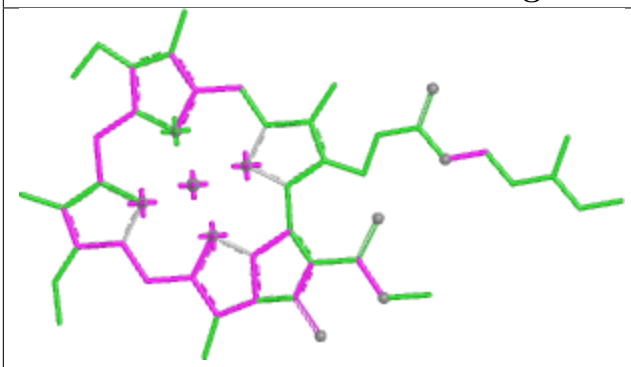


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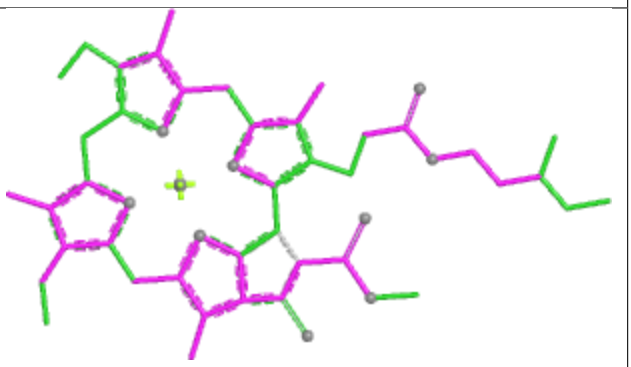


Rings

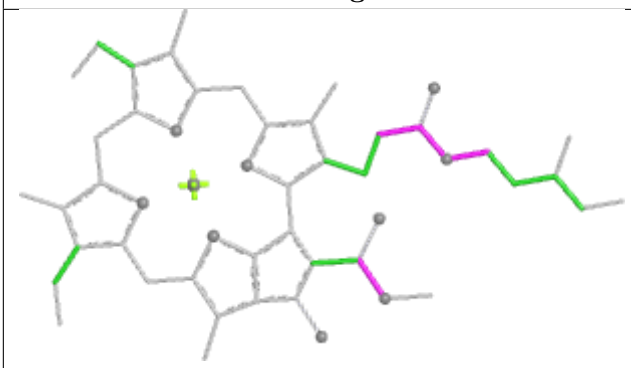
Ligand CLA G 807



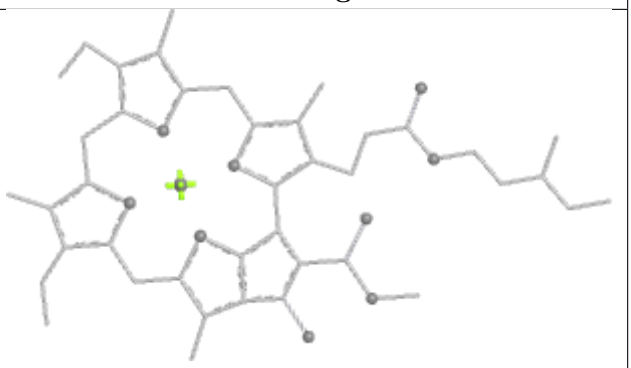
Bond lengths



Bond angles

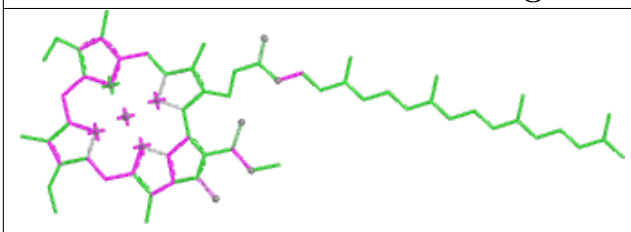


Torsions

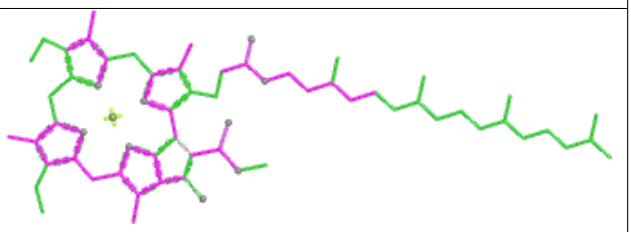


Rings

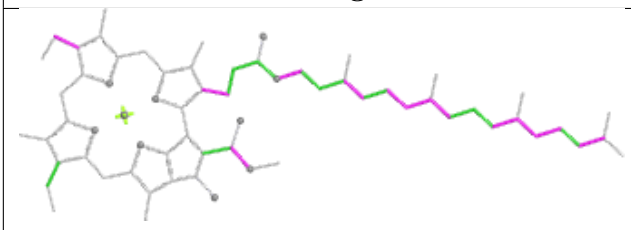
Ligand CLA B 825



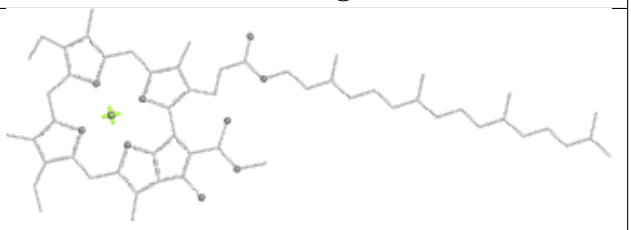
Bond lengths



Bond angles

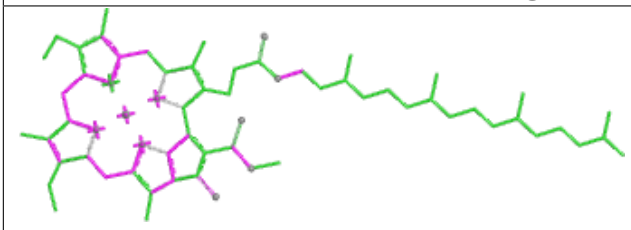


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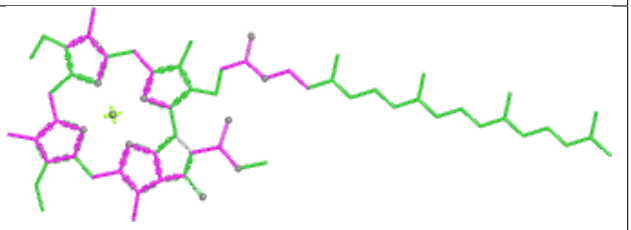


Rings

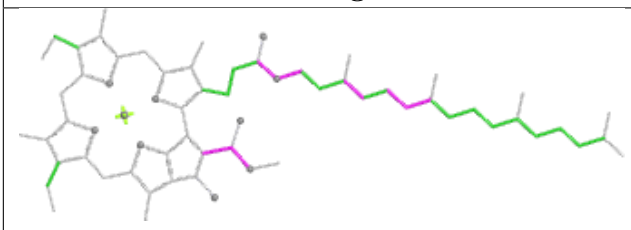
Ligand CLA Y 830



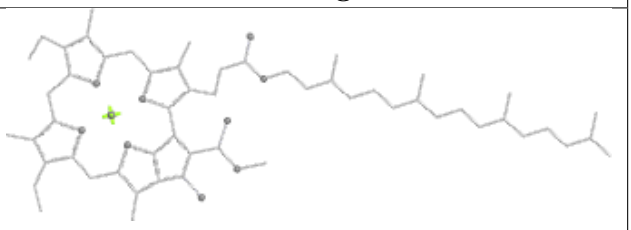
Bond lengths



Bond angles

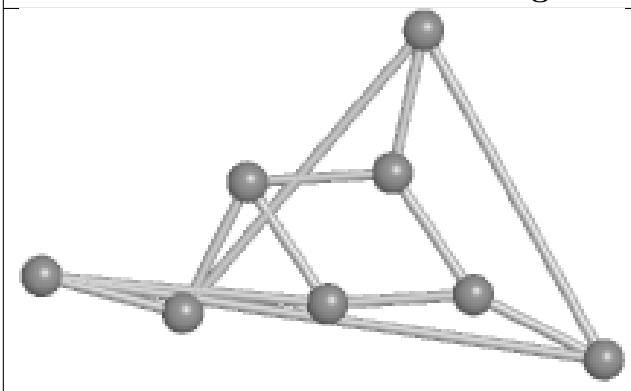


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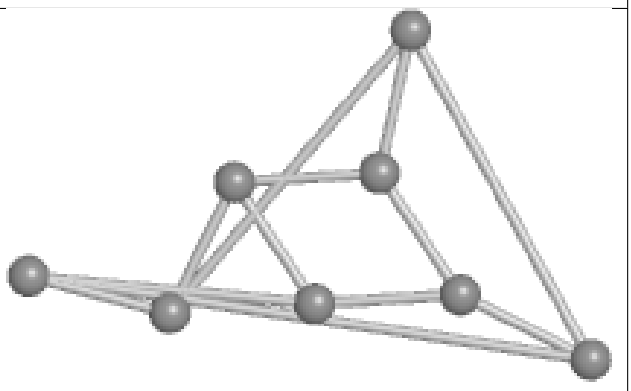


Rings

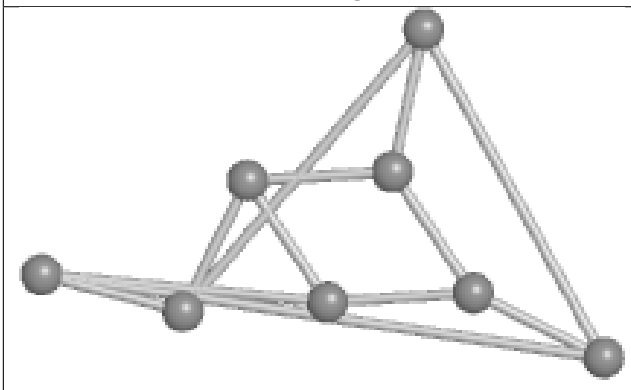
Ligand SF4 C 102



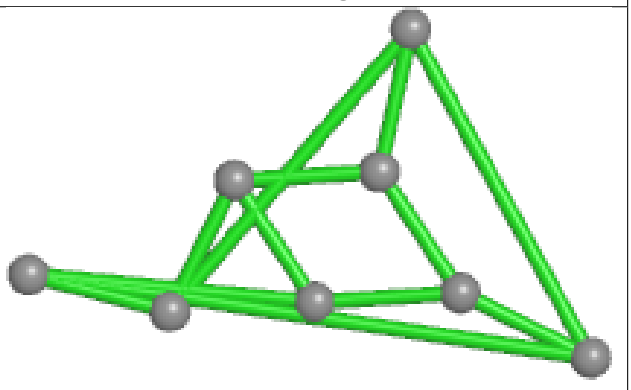
Bond lengths



Bond angles

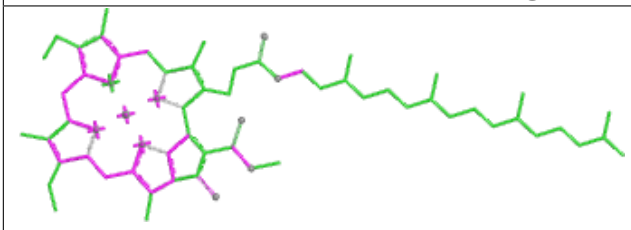


Torsions

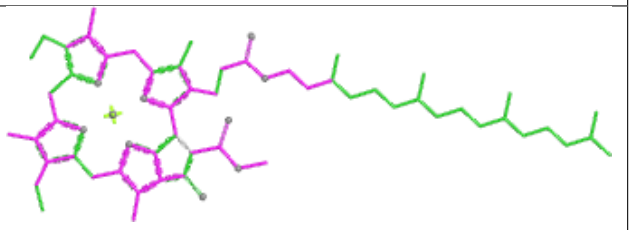


Rings

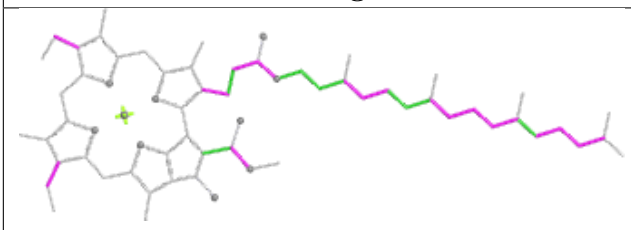
Ligand CLA A 807



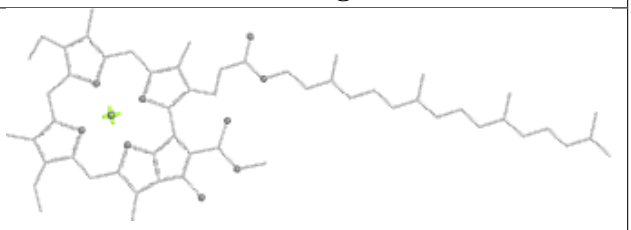
Bond lengths



Bond angles

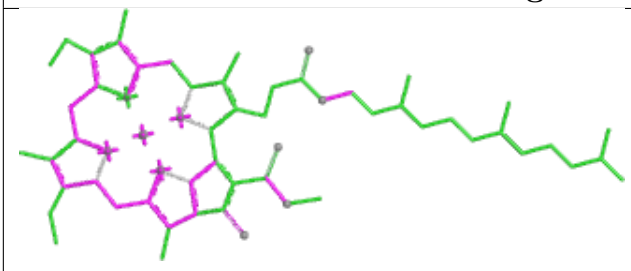


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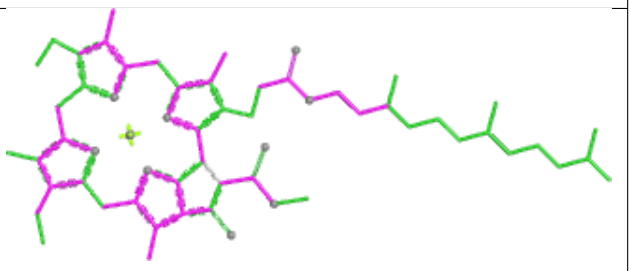


Rings

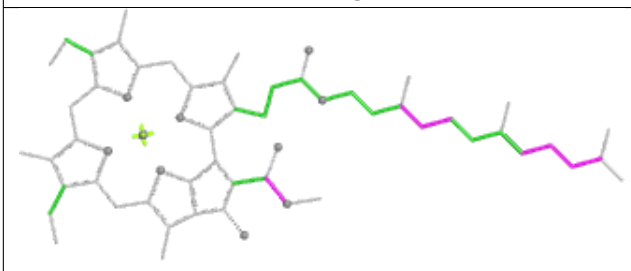
Ligand CLA Z 824



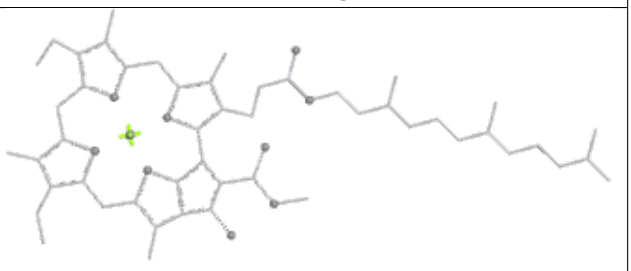
Bond lengths



Bond angles

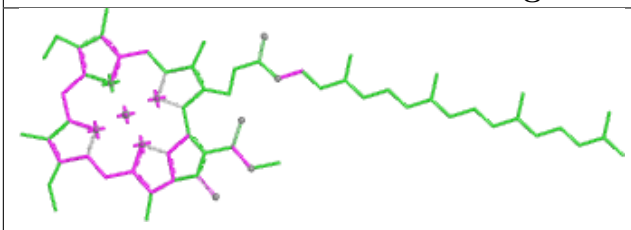


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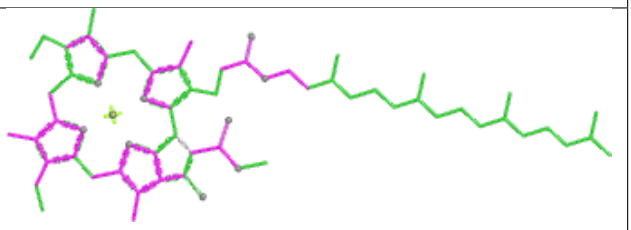


Rings

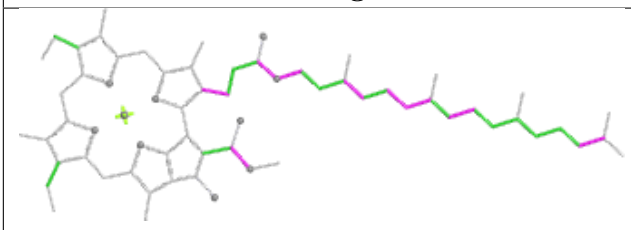
Ligand CLA Y 803



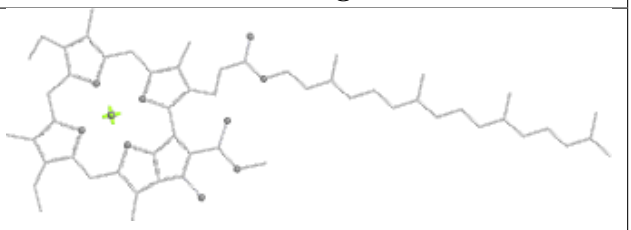
Bond lengths



Bond angles

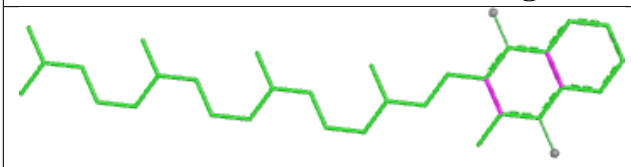


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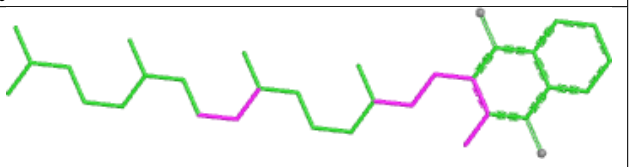


Rings

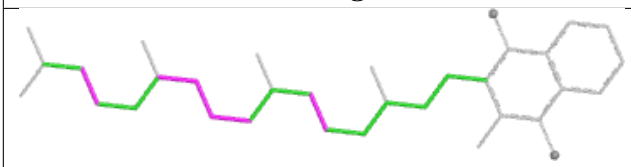
Ligand PQN H 841



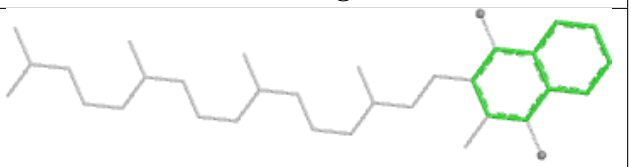
Bond lengths



Bond angles

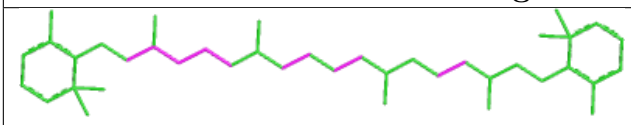


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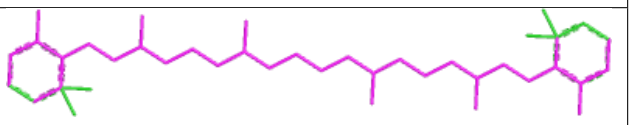


Rings

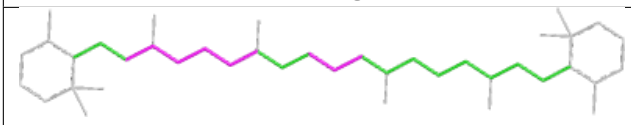
Ligand BCR U 1009



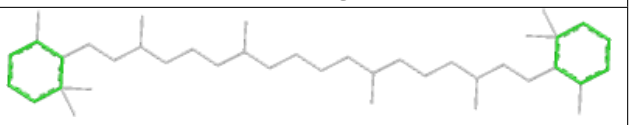
Bond lengths



Bond angles

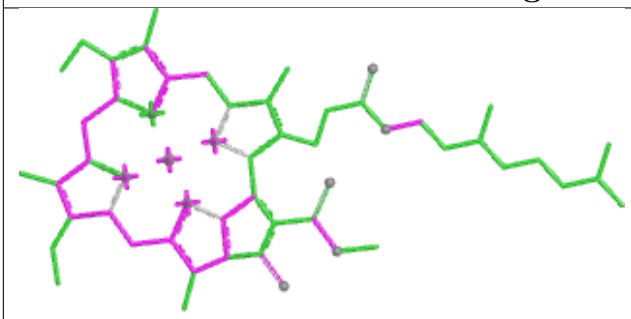


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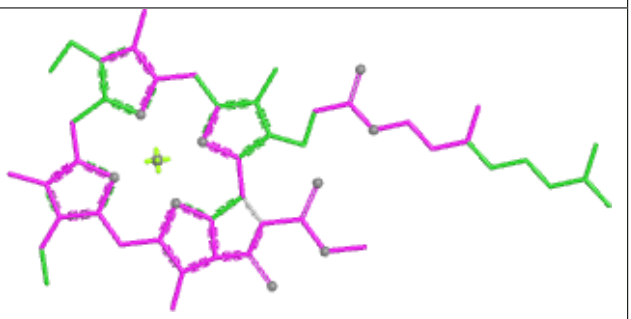


Rings

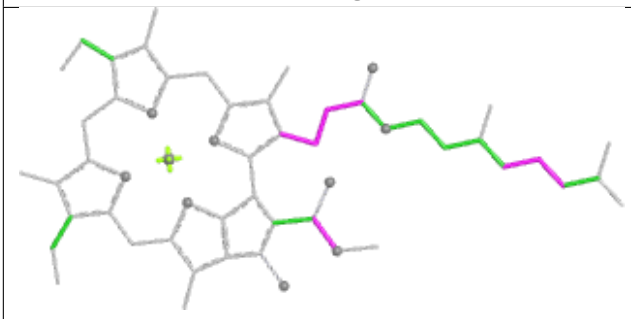
Ligand CLA H 811



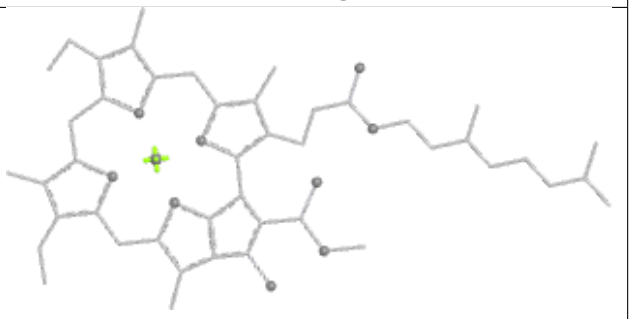
Bond lengths



Bond angles

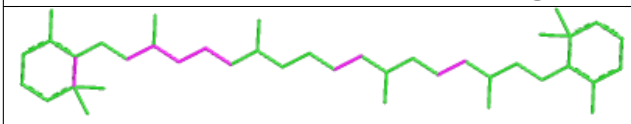


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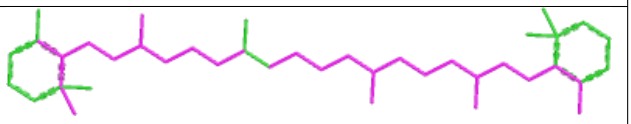


Rings

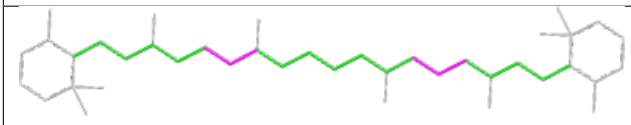
Ligand BCR I 101



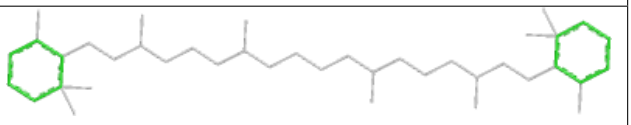
Bond lengths



Bond angles

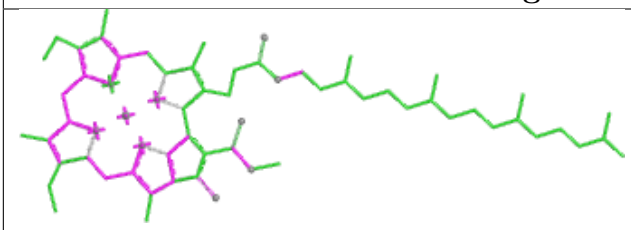


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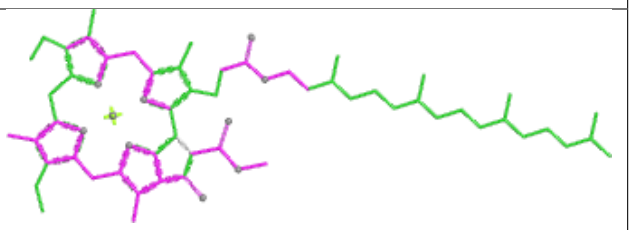


Rings

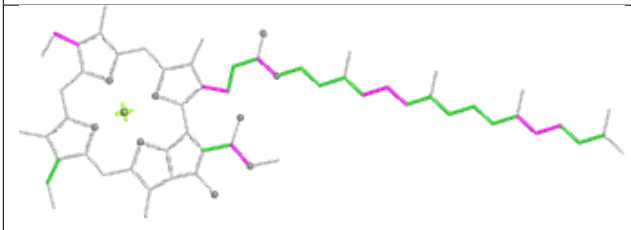
Ligand CLA G 828



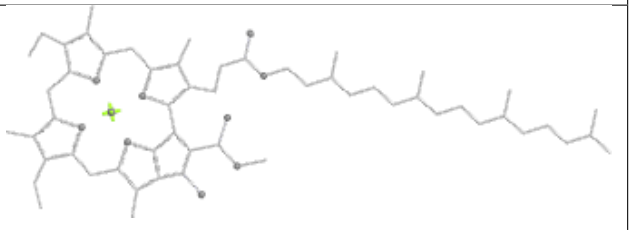
Bond lengths



Bond angles

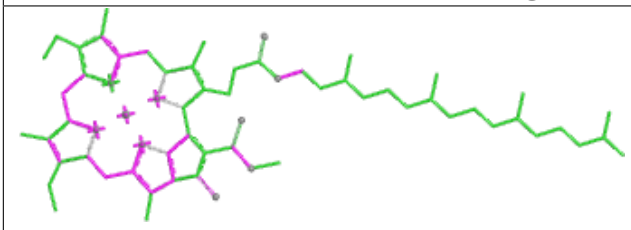


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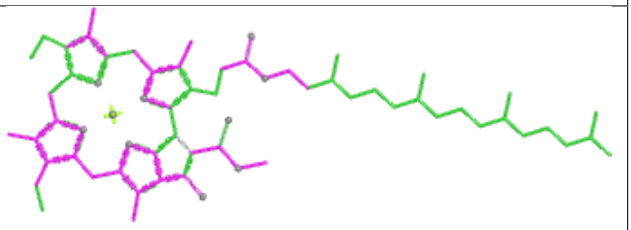


Rings

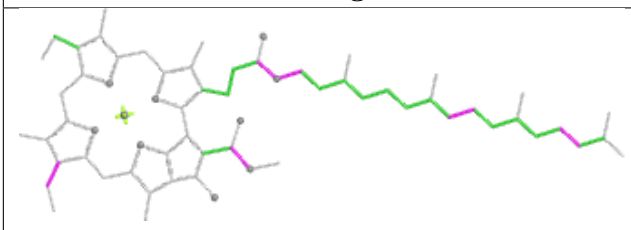
Ligand CLA H 840



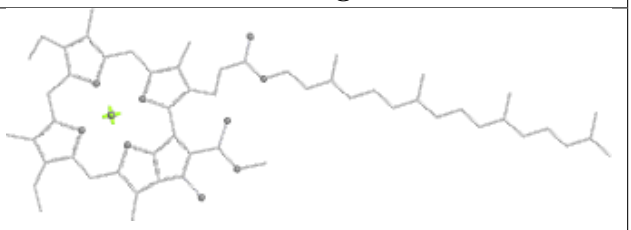
Bond lengths



Bond angles

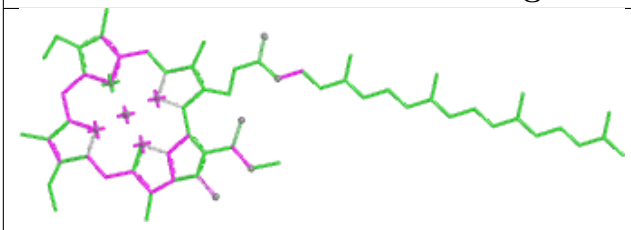


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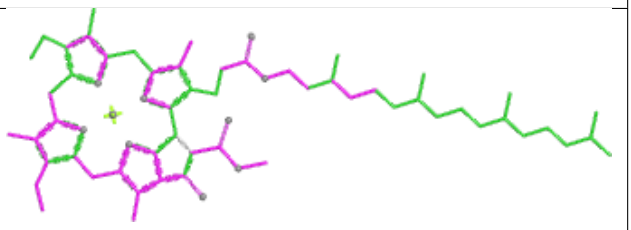


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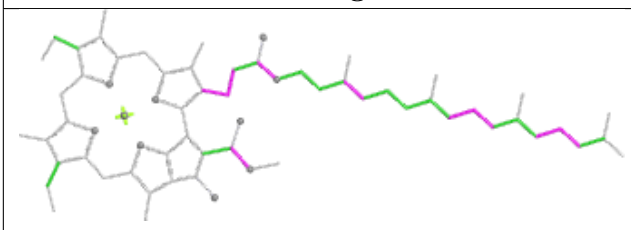
Ligand CLA A 812



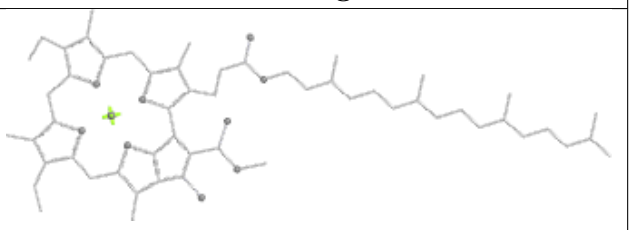
Bond lengths



Bond angles

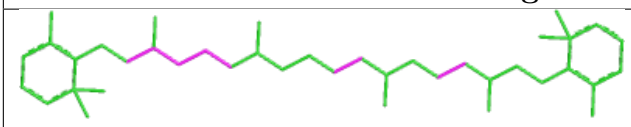


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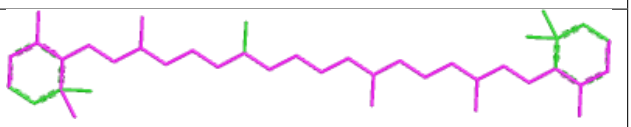


Rings

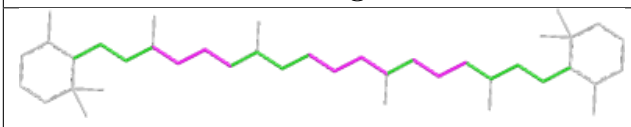
Ligand BCR G 846



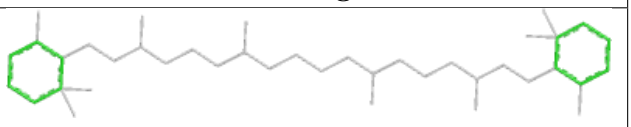
Bond lengths



Bond angles

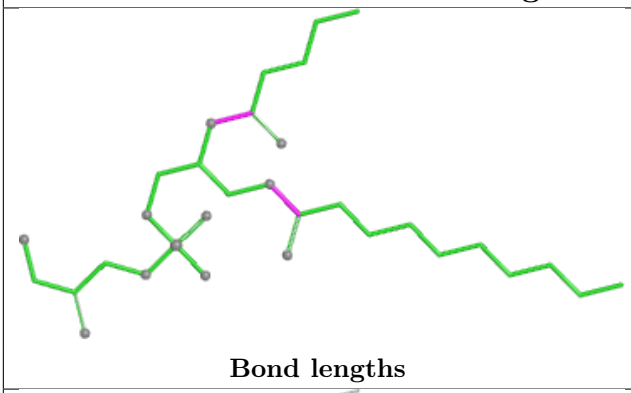


Torsions

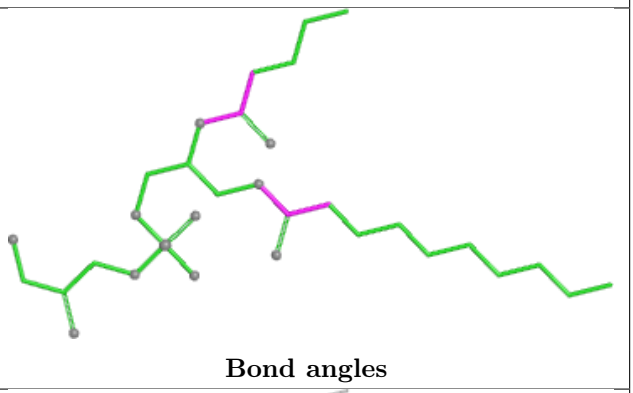


Rings

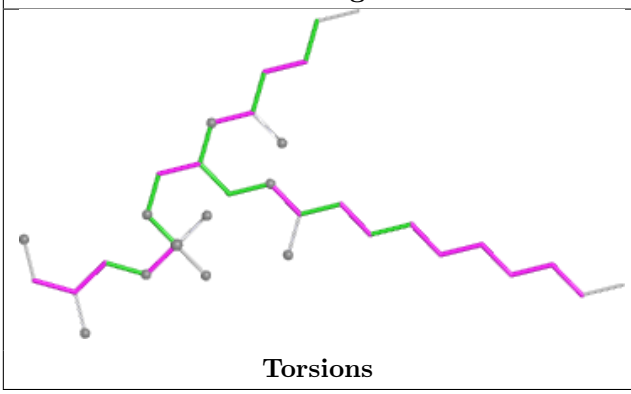
Ligand LHG A 853



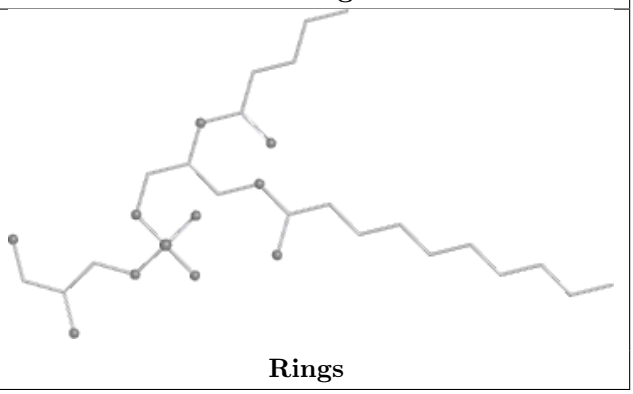
Bond lengths



Bond angles

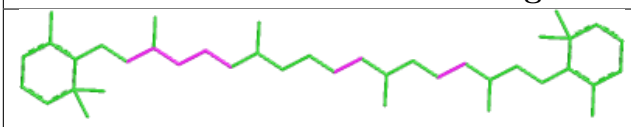


Torsions

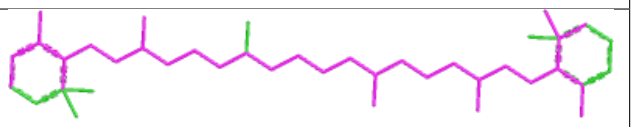


Rings

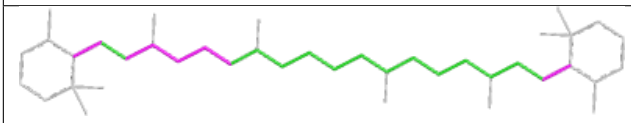
Ligand BCR Z 847



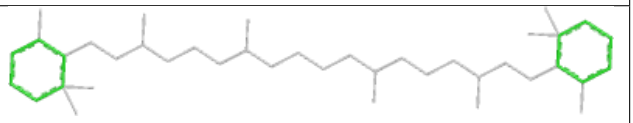
Bond lengths



Bond angles

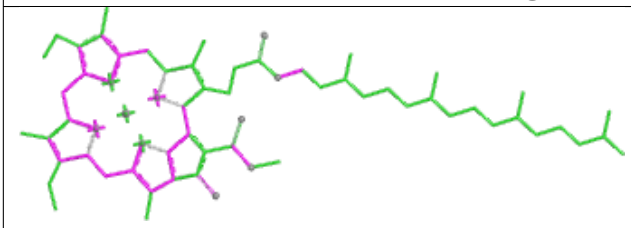


Torsions

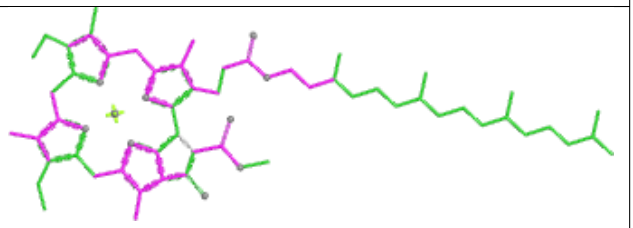


Rings

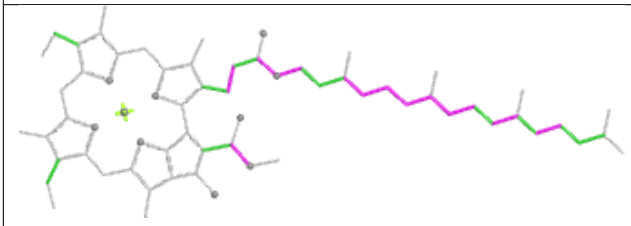
Ligand CLA Y 822



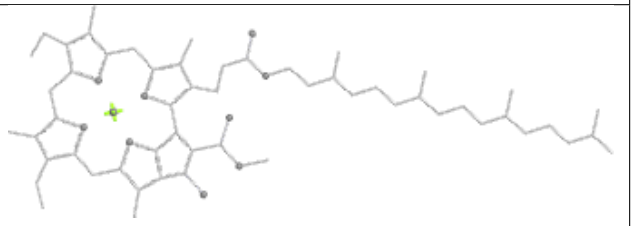
Bond lengths



Bond angles

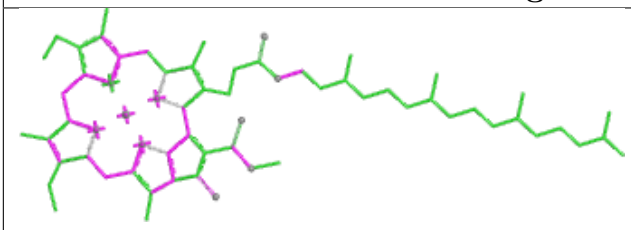


Torsions

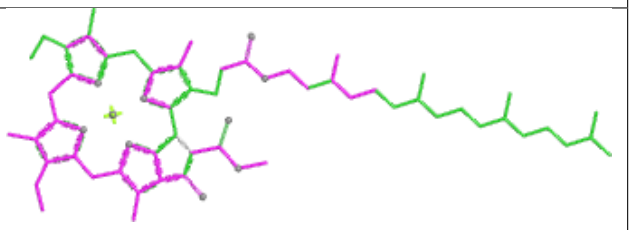


Rings

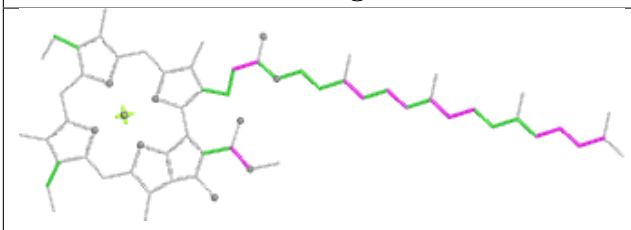
Ligand CLA Z 810



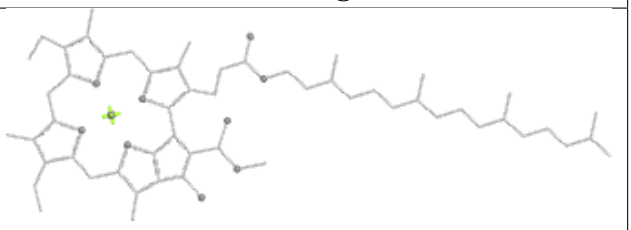
Bond lengths



Bond angles

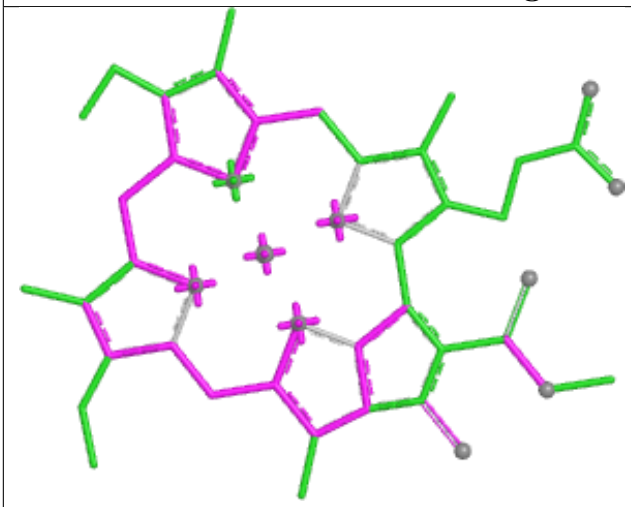


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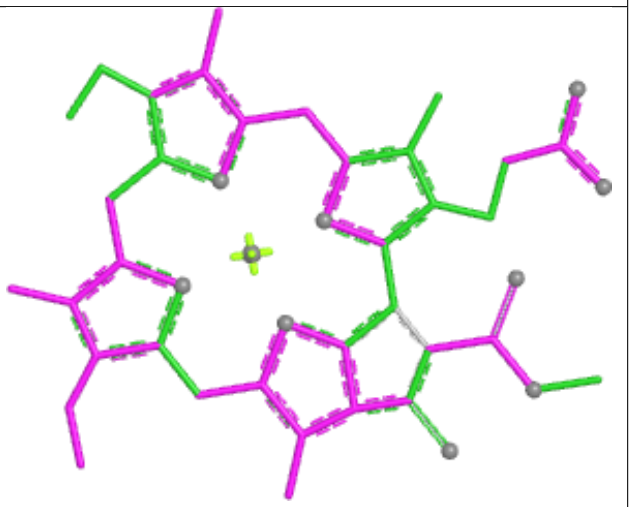


Rings

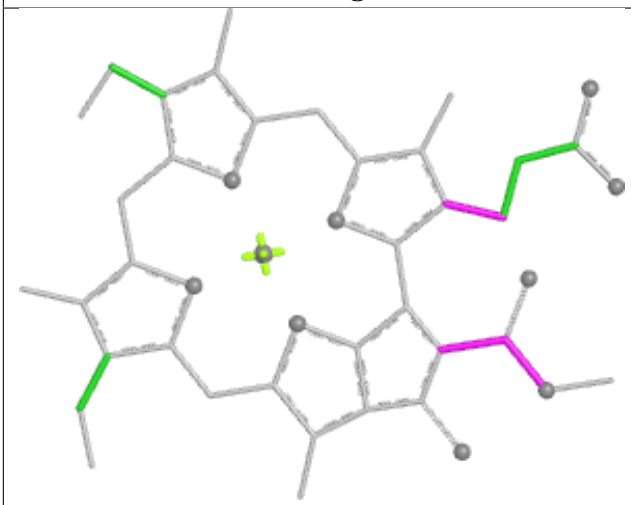
Ligand CLA H 833



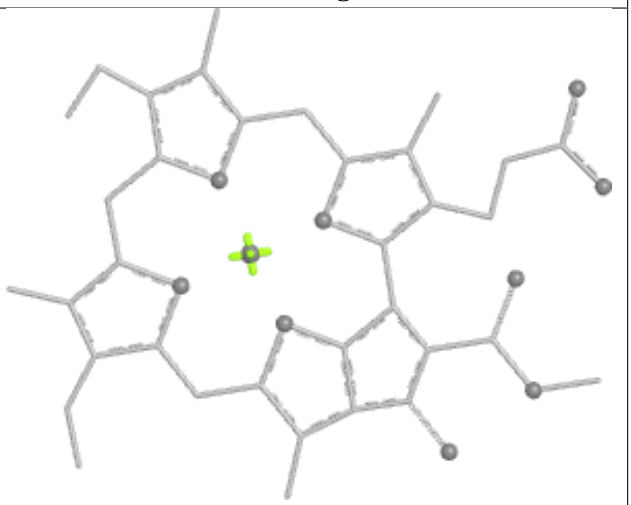
Bond lengths



Bond angles

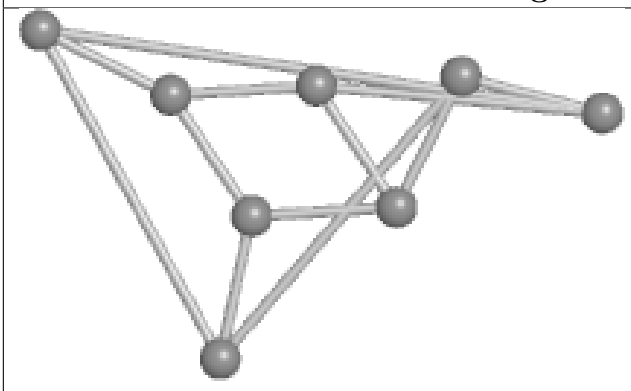


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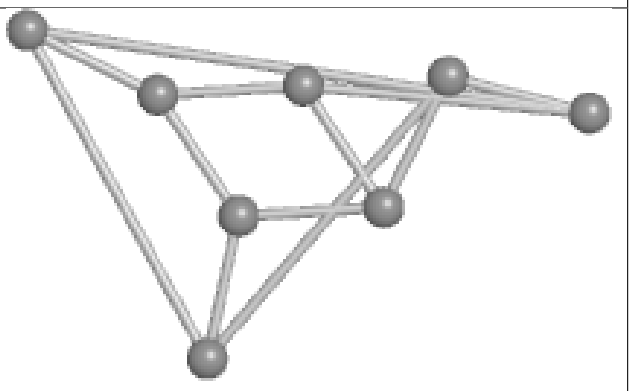


Rings

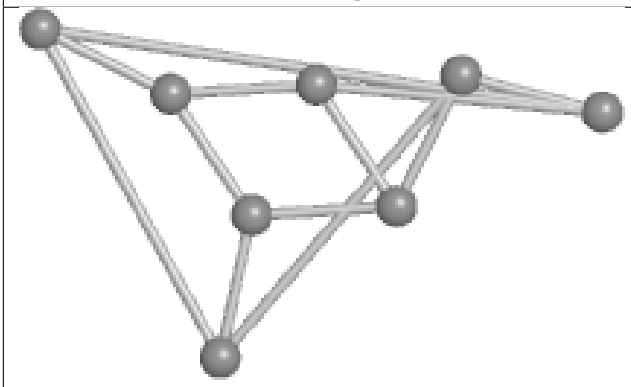
Ligand SF4 Y 843



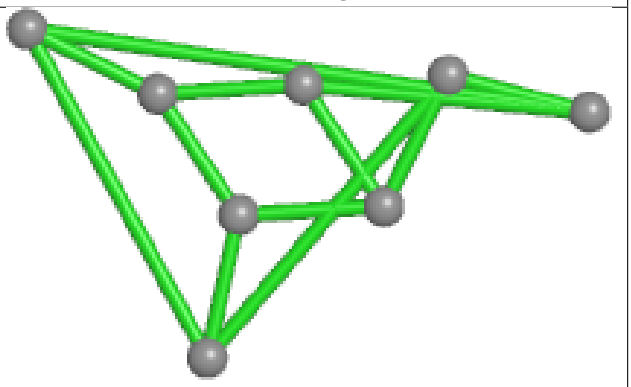
Bond lengths



Bond angles

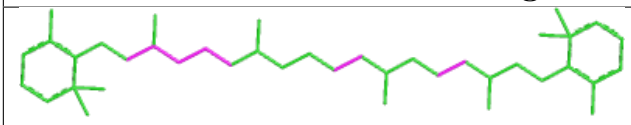


Torsions

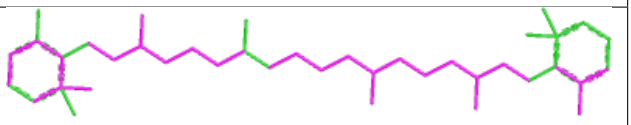


Rings

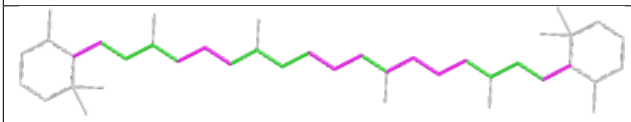
Ligand BCR H 842



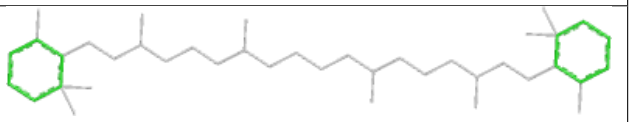
Bond lengths



Bond angles

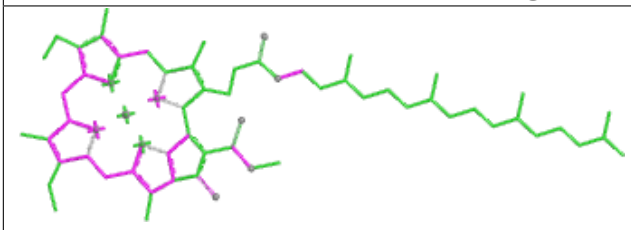


Torsions

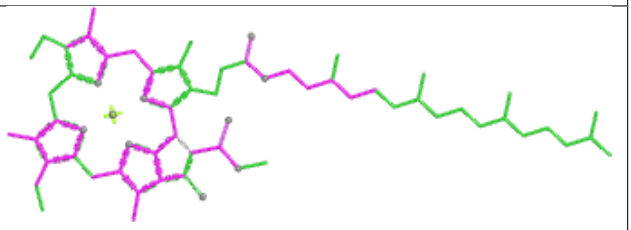


Rings

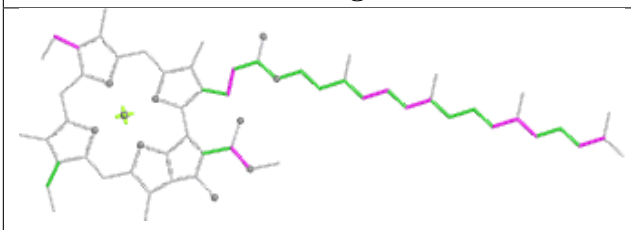
Ligand CLA B 839



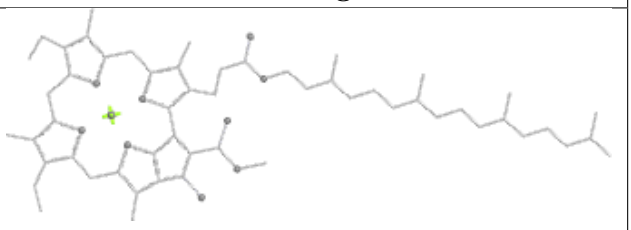
Bond lengths



Bond angles

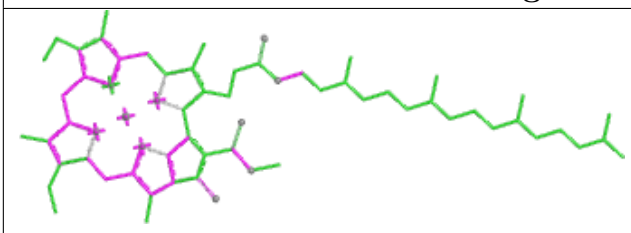


Torsions

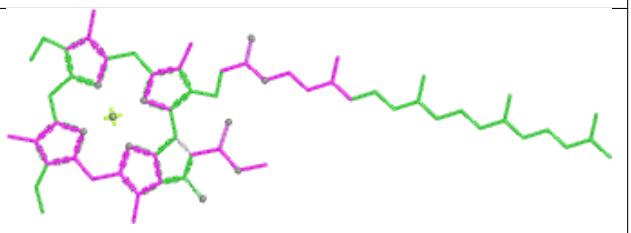


Rings

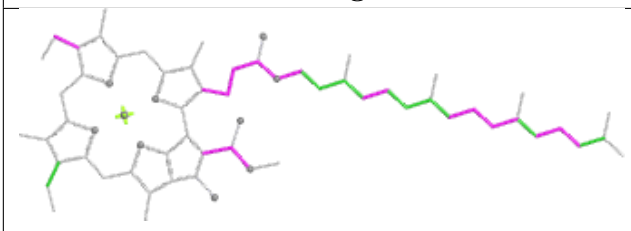
Ligand CLA G 805



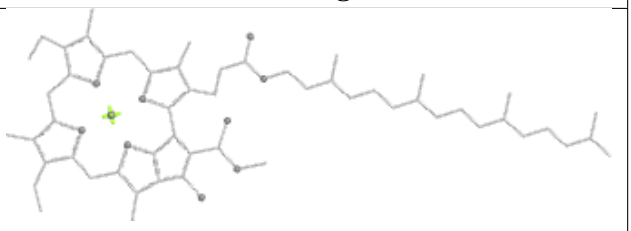
Bond lengths



Bond angles

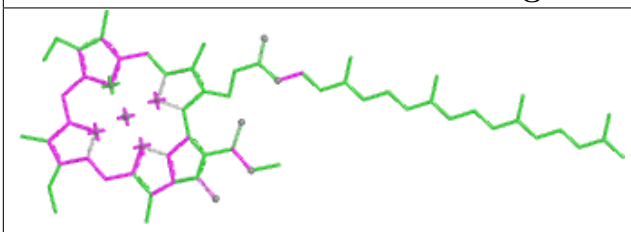


Torsions

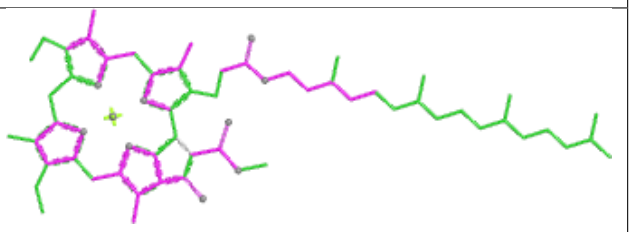


Rings

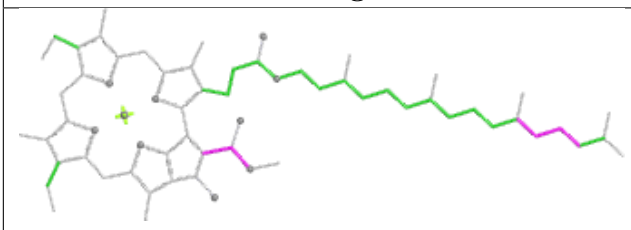
Ligand CLA H 826



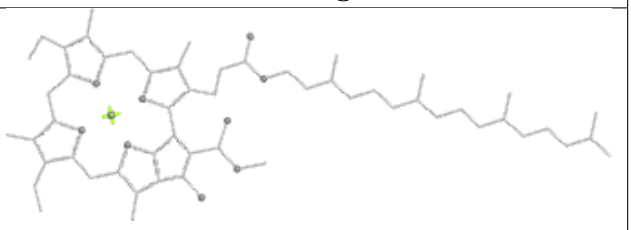
Bond lengths



Bond angles

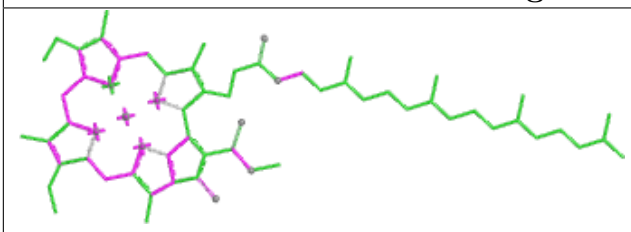


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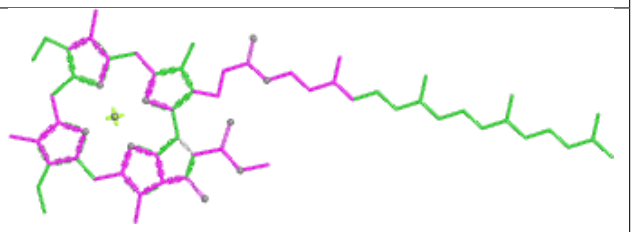


Rings

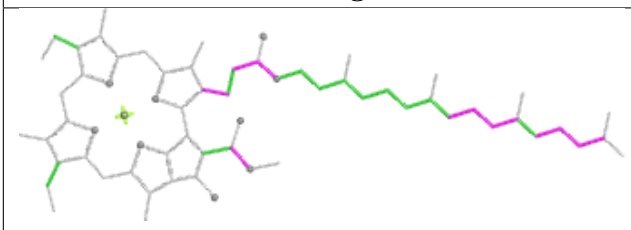
Ligand CLA Z 803



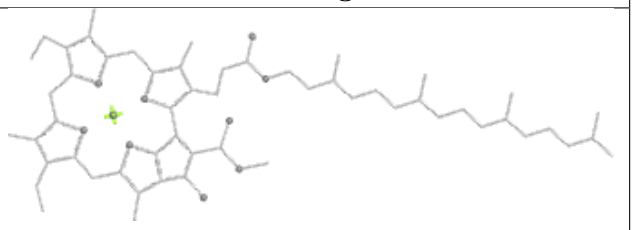
Bond lengths



Bond angles

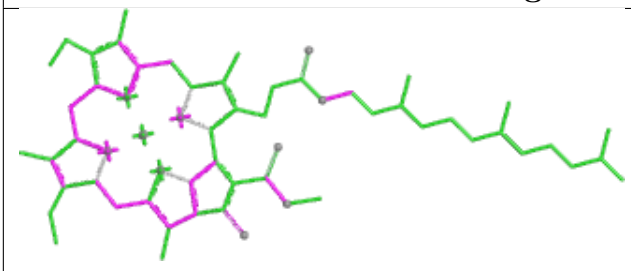


Torsions

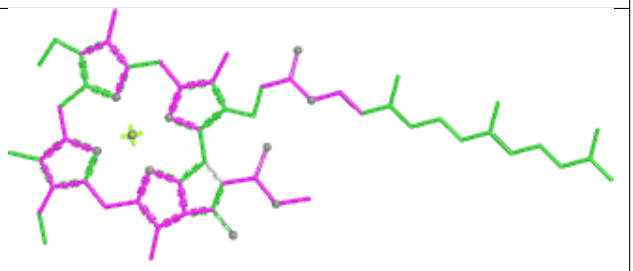


Rings

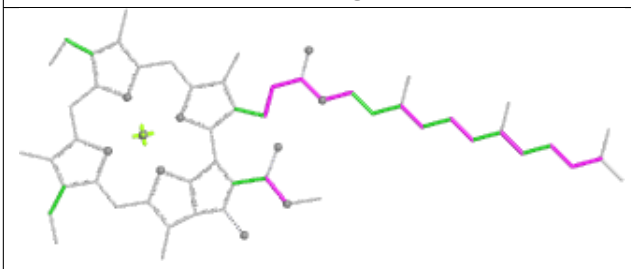
Ligand CLA B 822



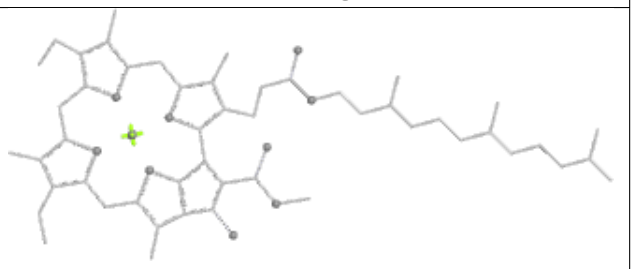
Bond lengths



Bond angles

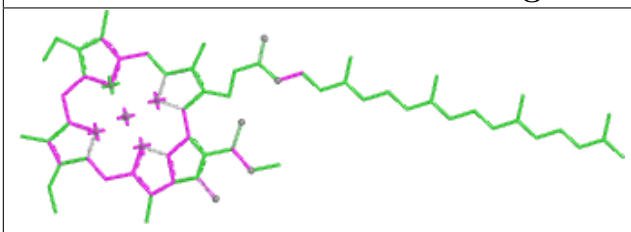


Torsions

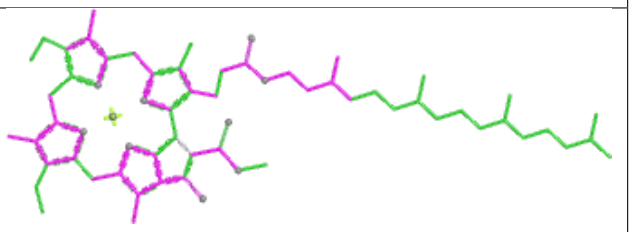


Rings

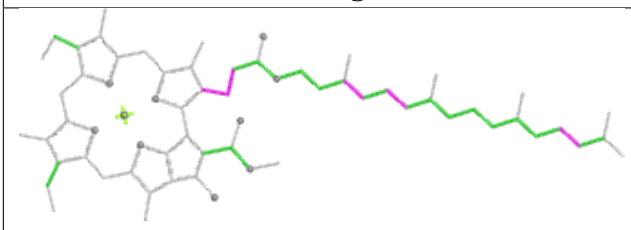
Ligand CLA H 828



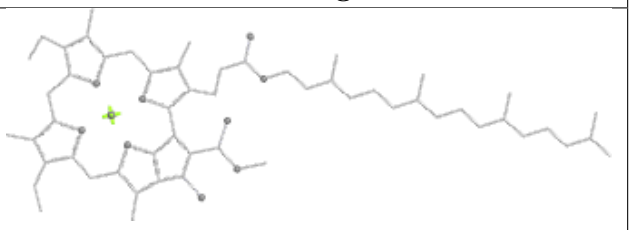
Bond lengths



Bond angles

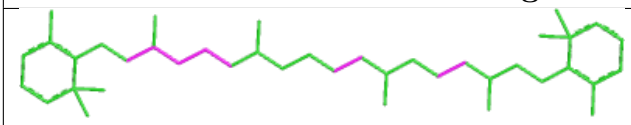


Torsions



Rings

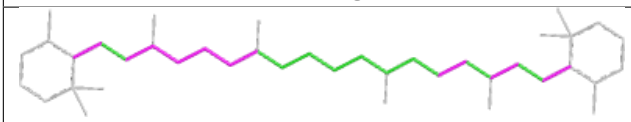
Ligand BCR H 846



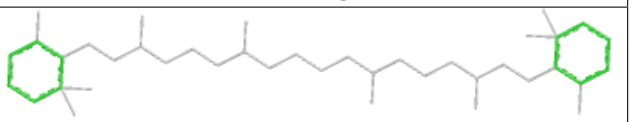
Bond lengths



Bond angles

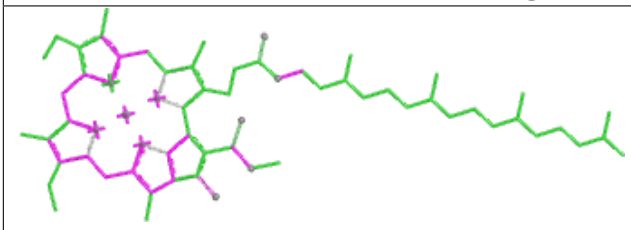


Torsions

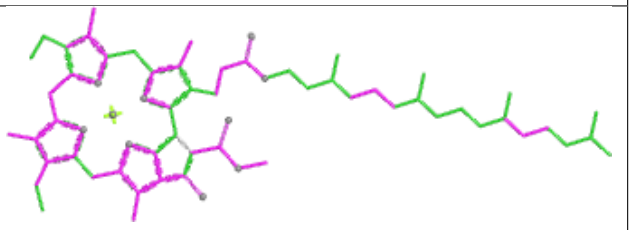


Rings

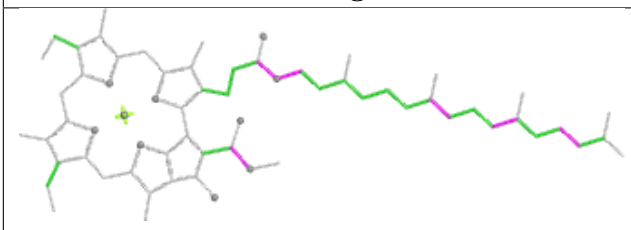
Ligand CLA G 825



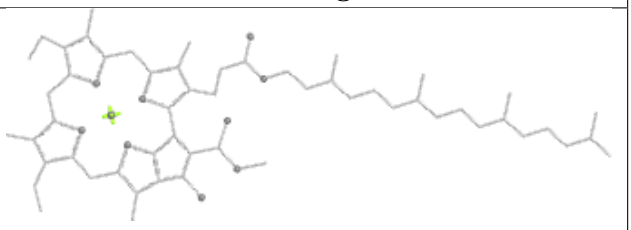
Bond lengths



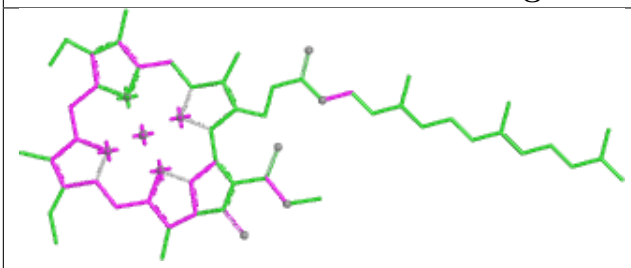
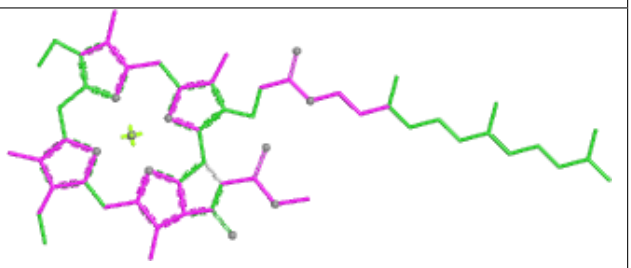
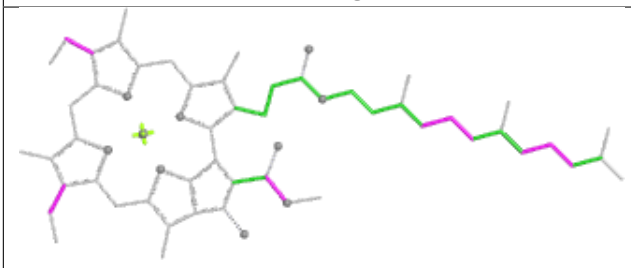
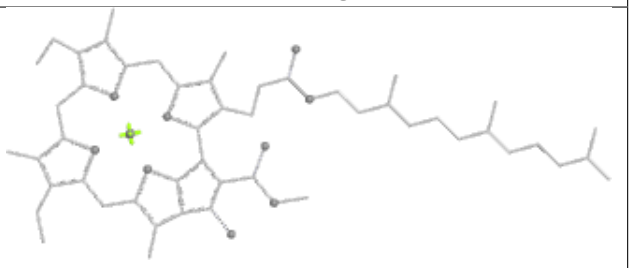
Bond angles

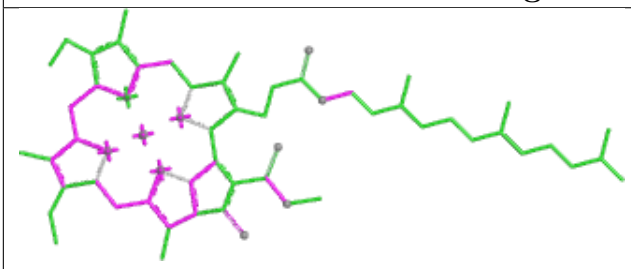
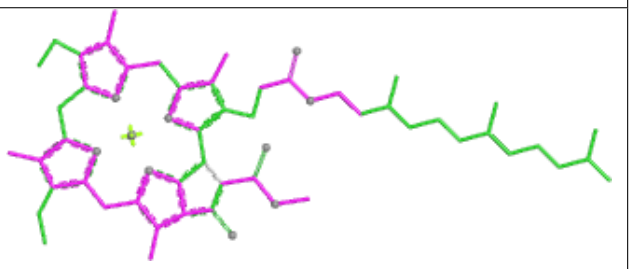
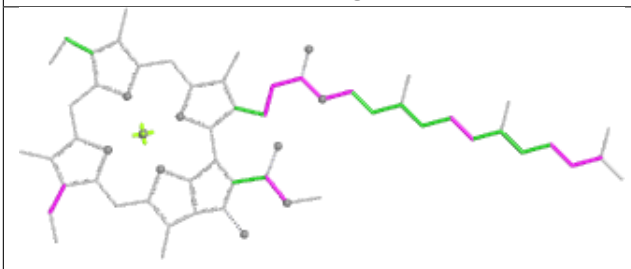
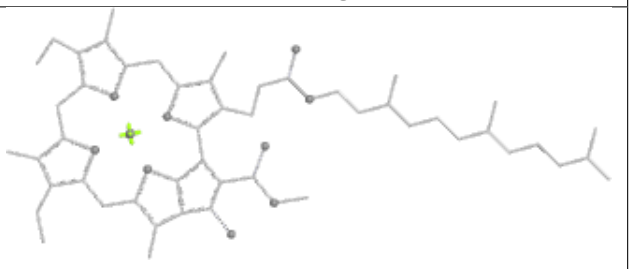


Torsions

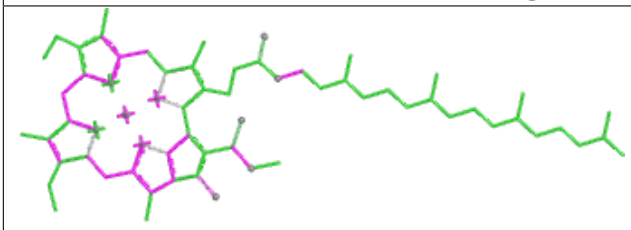


Rings

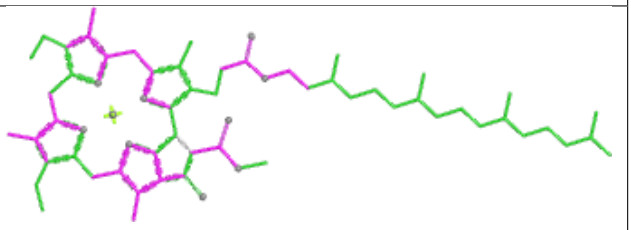
Ligand CLA Y 817	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 825	
	
Bond lengths	Bond angles
	
Torsions	Rings

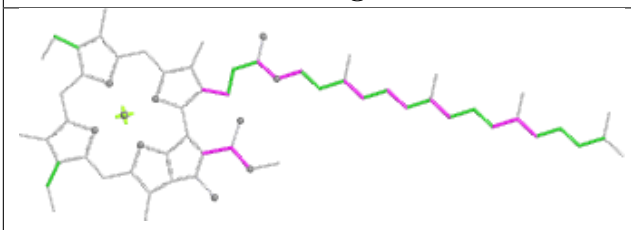
Ligand CLA H 814



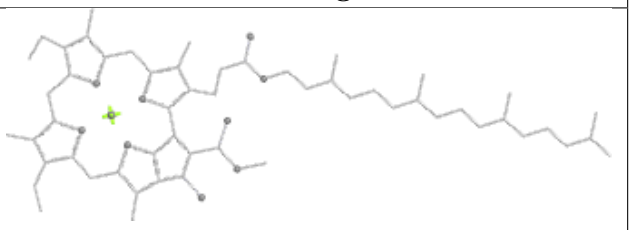
Bond lengths



Bond angles

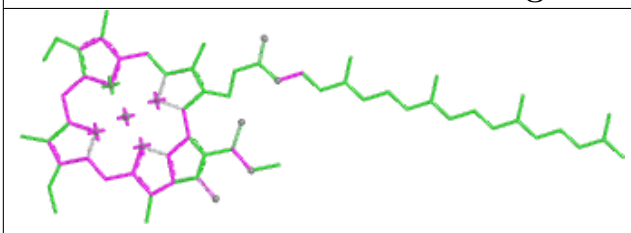


Torsions

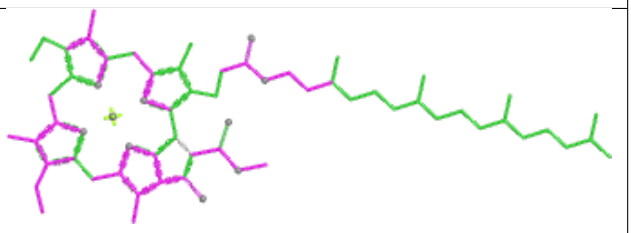


Rings

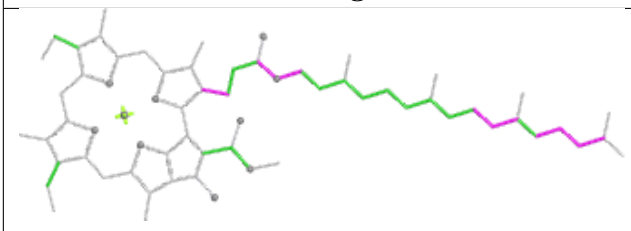
Ligand CLA Z 806



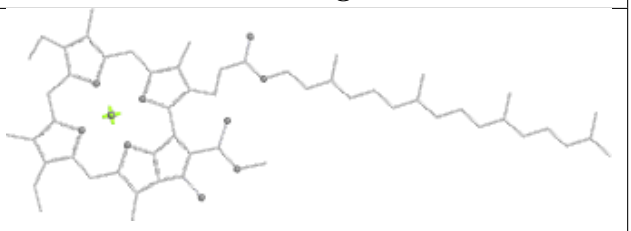
Bond lengths



Bond angles

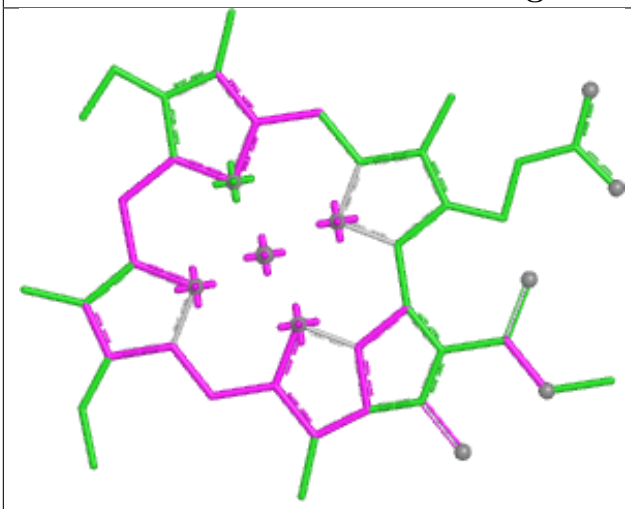


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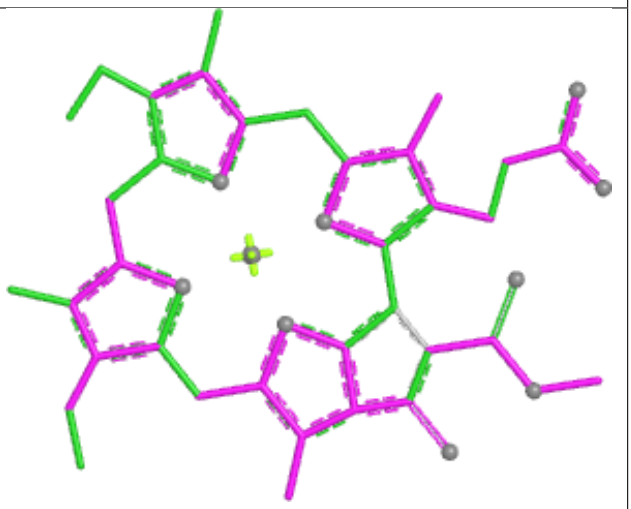


Rings

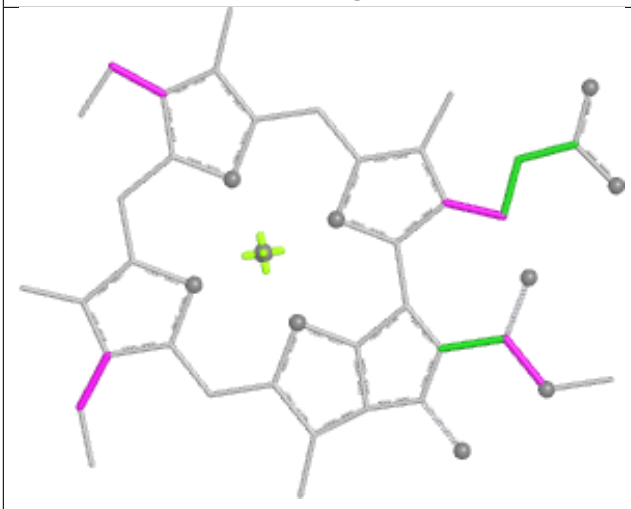
Ligand CLA Z 813



Bond lengths



Bond angles

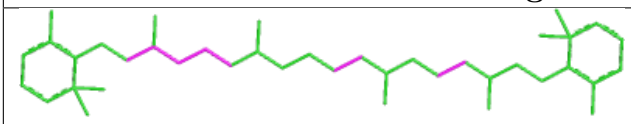


Torsions

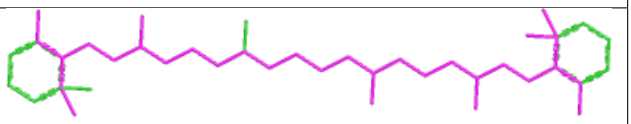


Rings

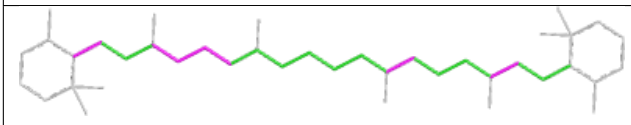
Ligand BCR J 104



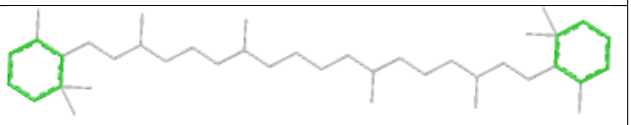
Bond lengths



Bond angles

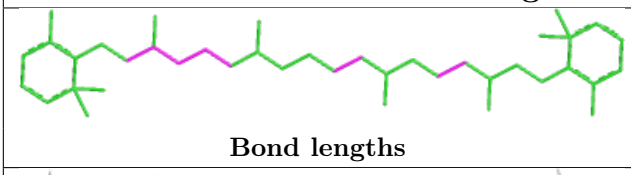


Torsions

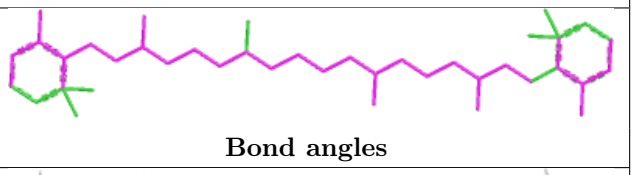


Rings

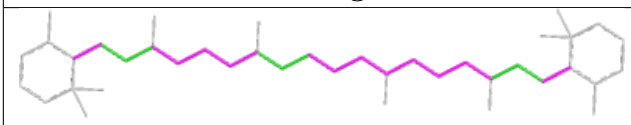
Ligand BCR Y 846



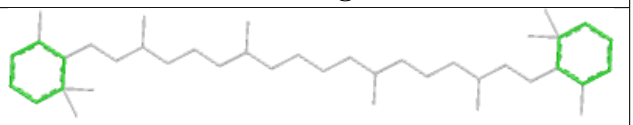
Bond lengths



Bond angles

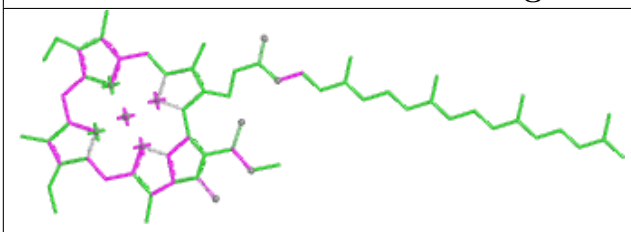


Torsions

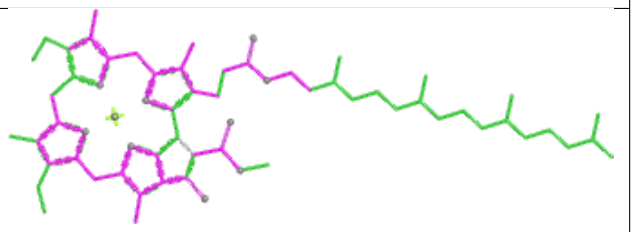


Rings

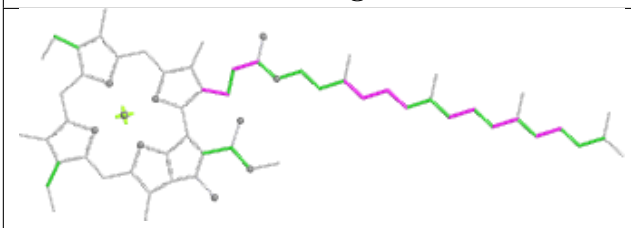
Ligand CLA B 837



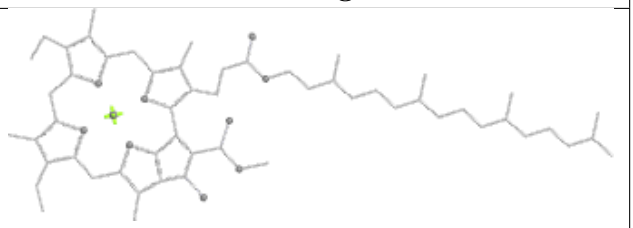
Bond lengths



Bond angles

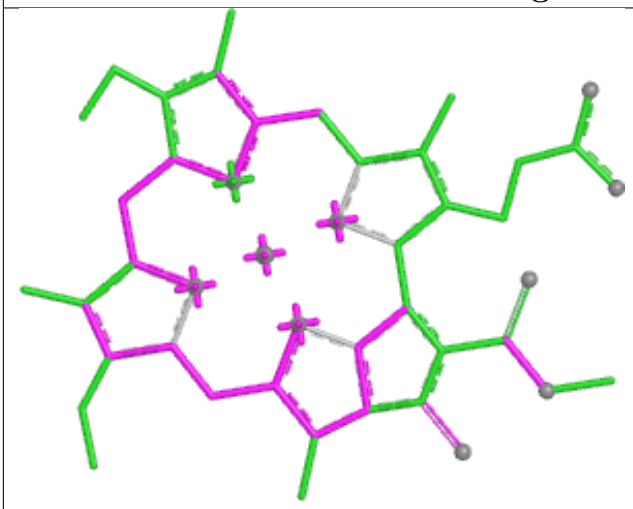


Torsions

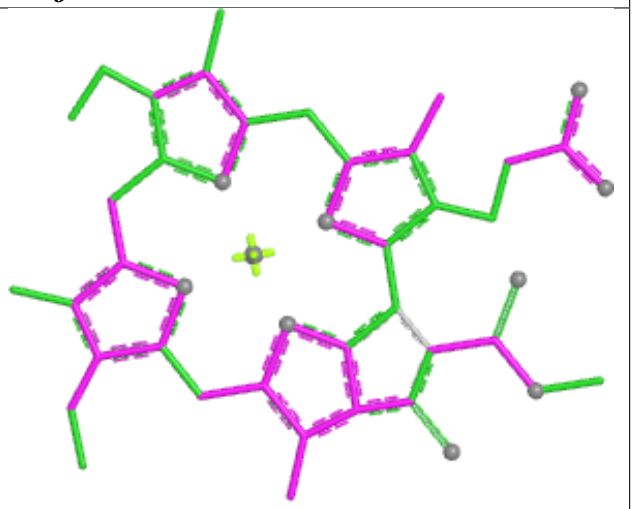


Rings

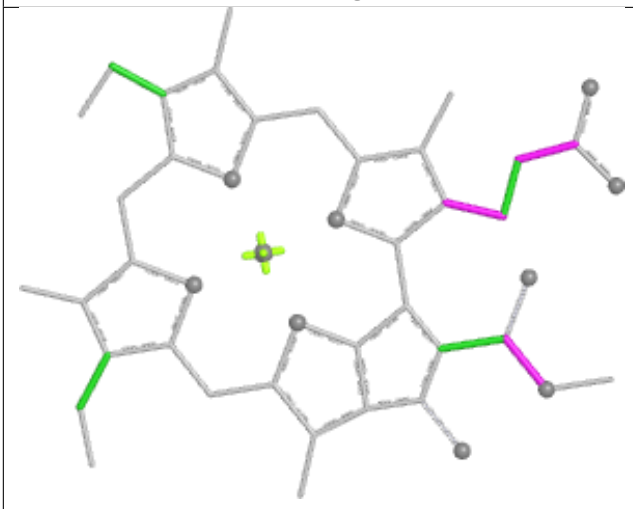
Ligand CLA j 102



Bond lengths



Bond angles

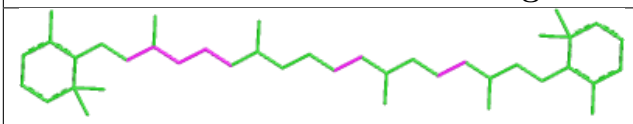


Torsions

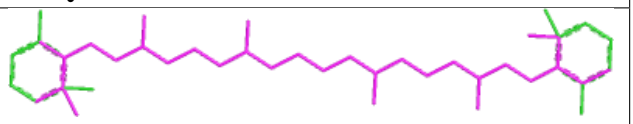


Rings

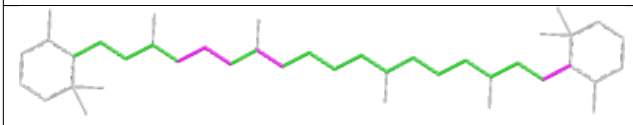
Ligand BCR Q 203



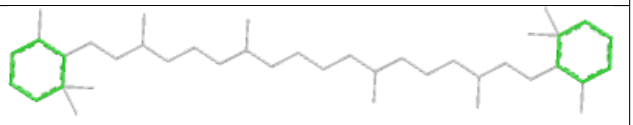
Bond lengths



Bond angles

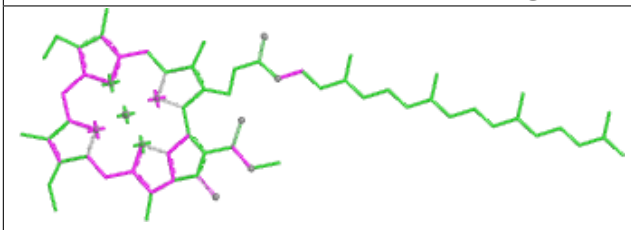


Torsions

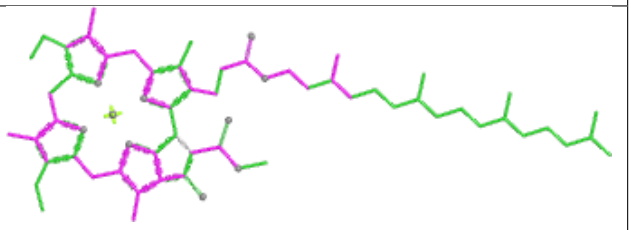


Rings

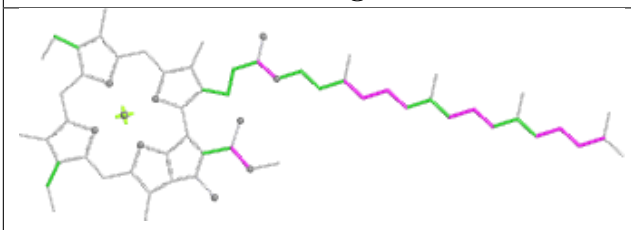
Ligand CLA B 805



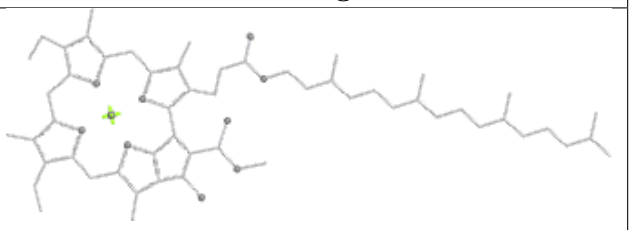
Bond lengths



Bond angles

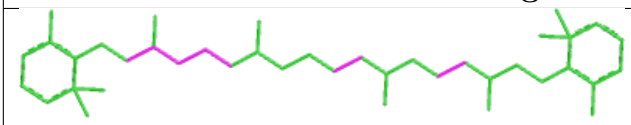


Torsions



Rings

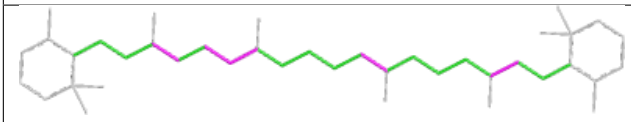
Ligand BCR G 849



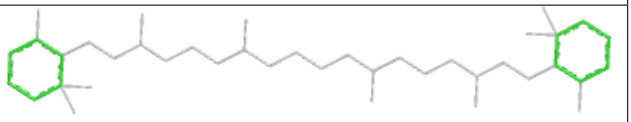
Bond lengths



Bond angles

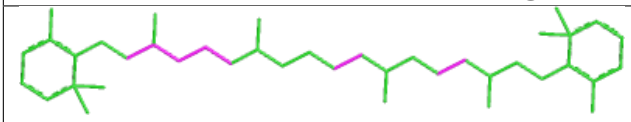


Torsions

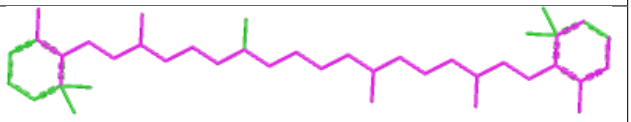


Rings

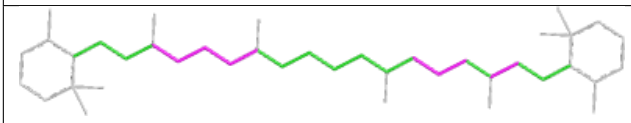
Ligand BCR A 849



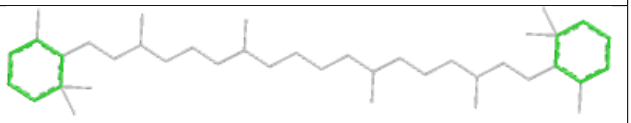
Bond lengths



Bond angles

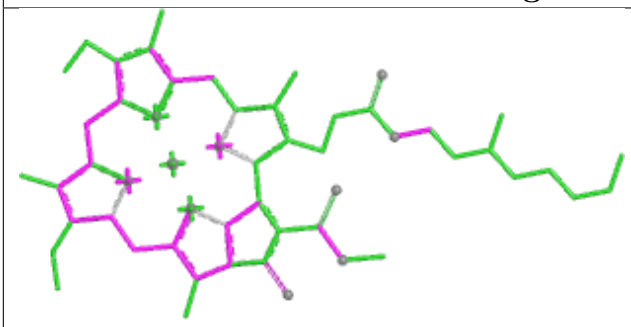


Torsions

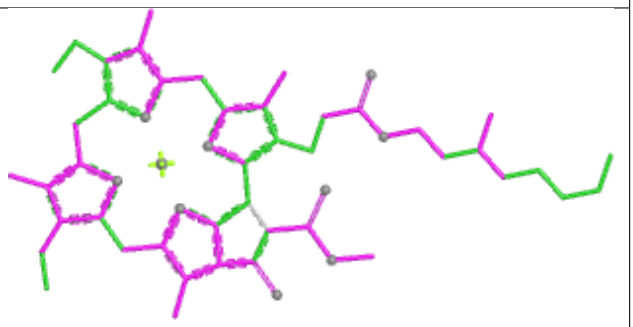


Rings

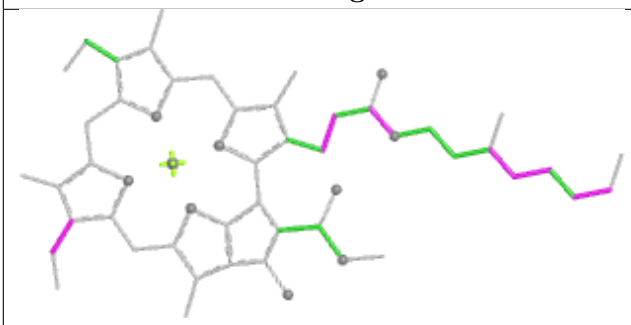
Ligand CLA G 812



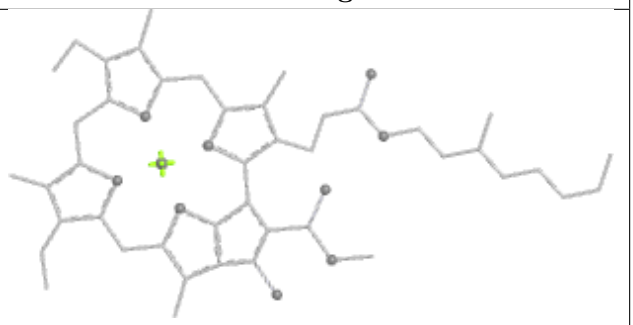
Bond lengths



Bond angles

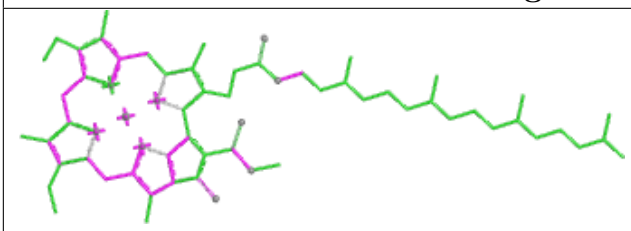


Torsions

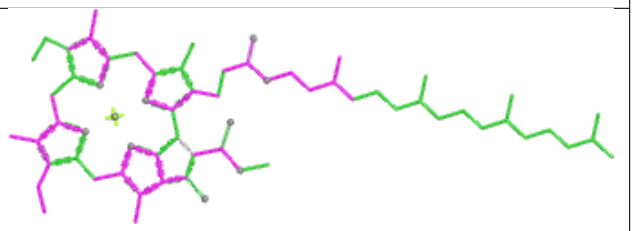


Rings

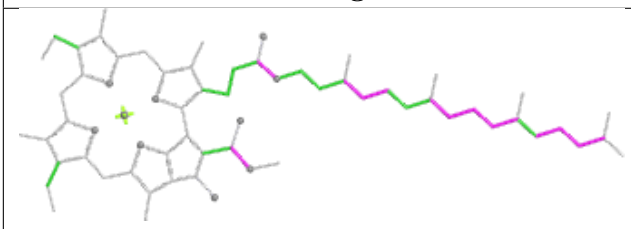
Ligand CLA B 801



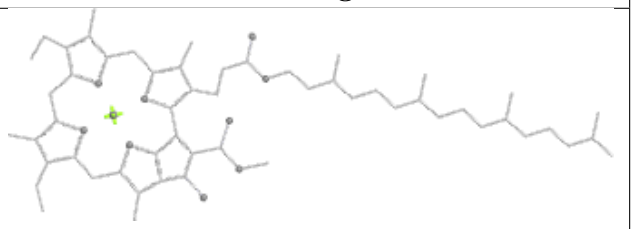
Bond lengths



Bond angles

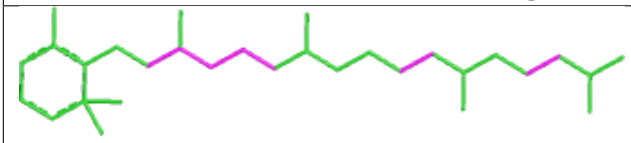


Torsions

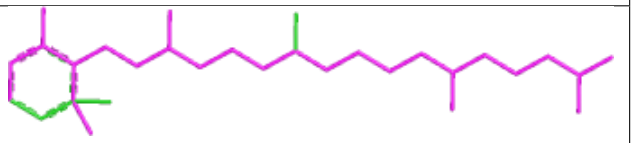


Rings

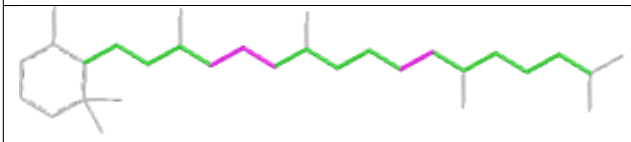
Ligand BCR B 842



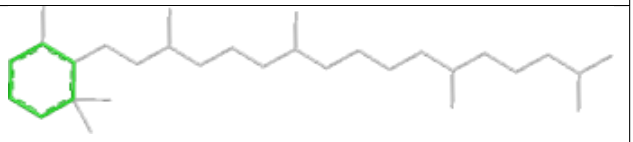
Bond lengths



Bond angles

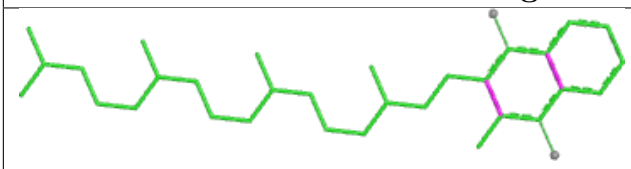


Torsions

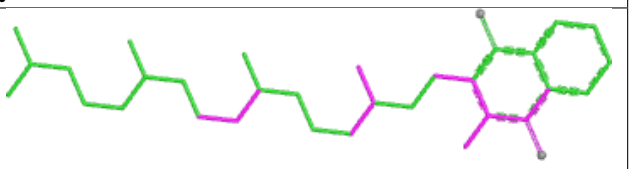


Rings

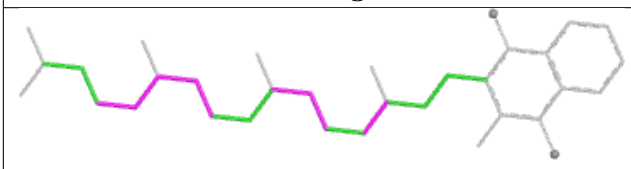
Ligand PQN G 843



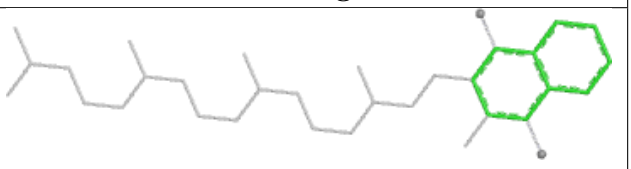
Bond lengths



Bond angles

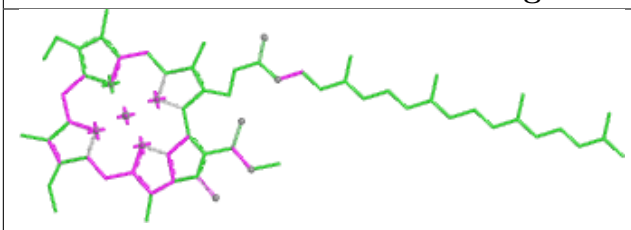


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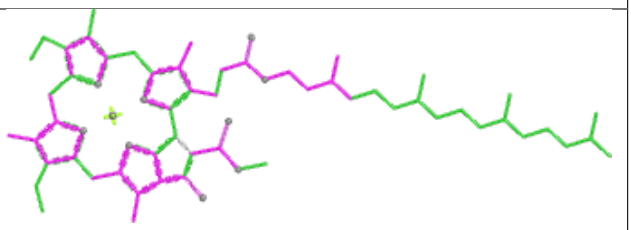


Rings

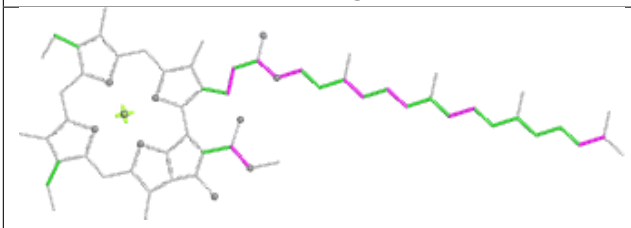
Ligand CLA A 842



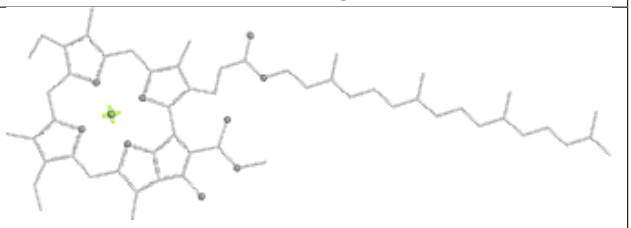
Bond lengths



Bond angles

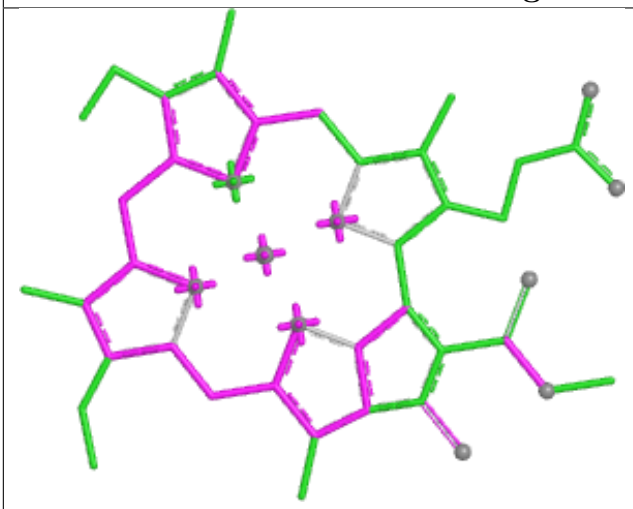


Torsions

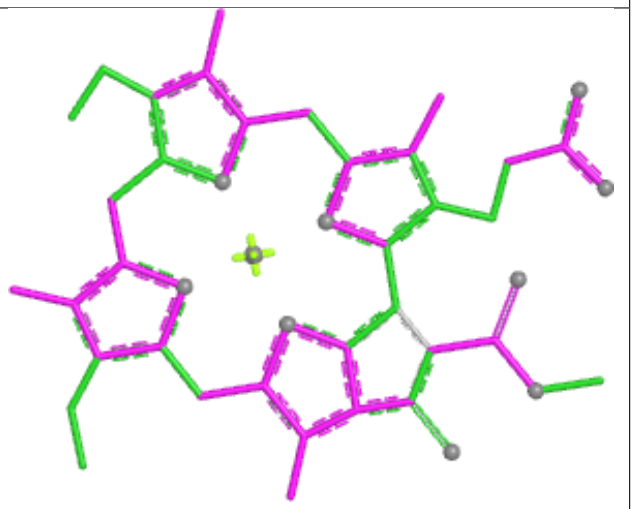


Rings

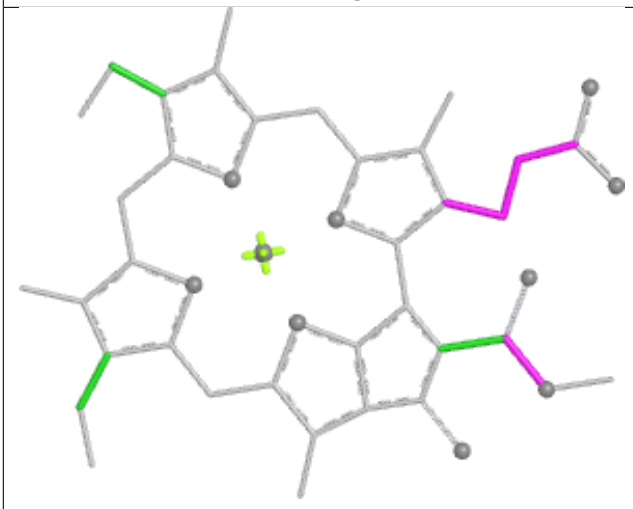
Ligand CLA G 810



Bond lengths



Bond angles

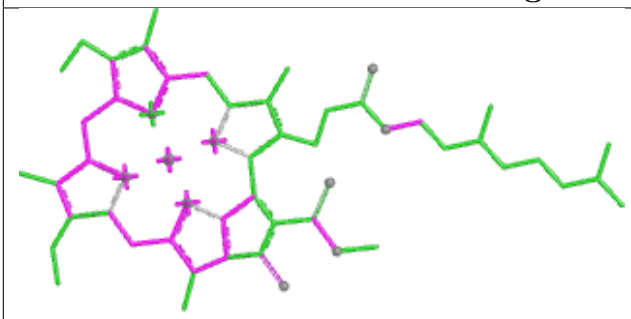


Torsions

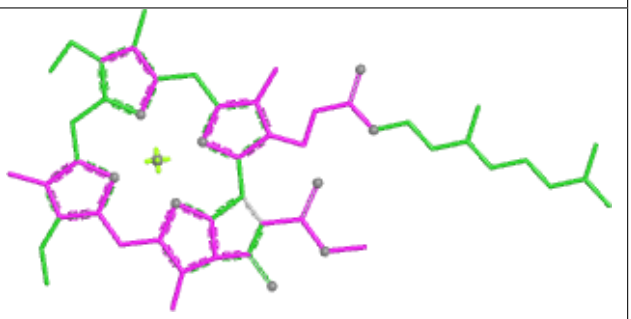


Rings

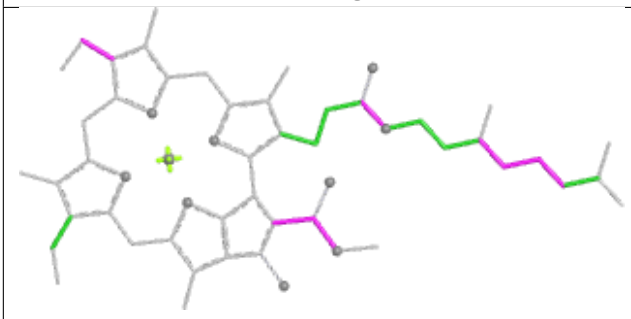
Ligand CLA B 832



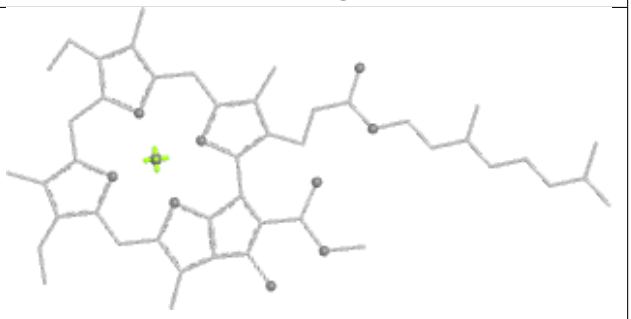
Bond lengths



Bond angles

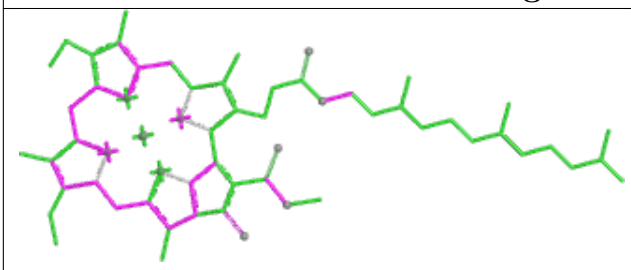


Torsions

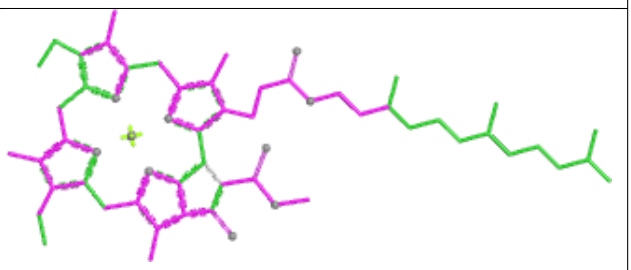


Rings

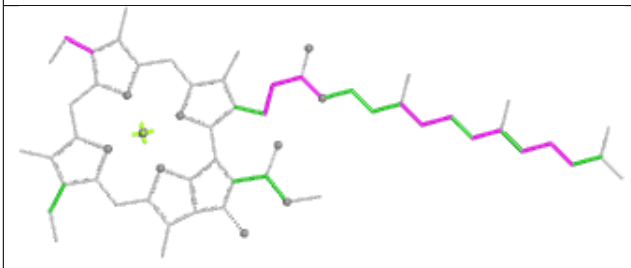
Ligand CLA H 823



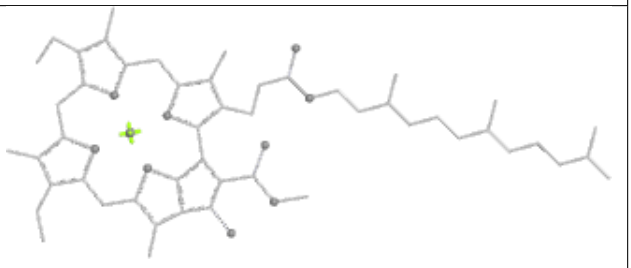
Bond lengths



Bond angles

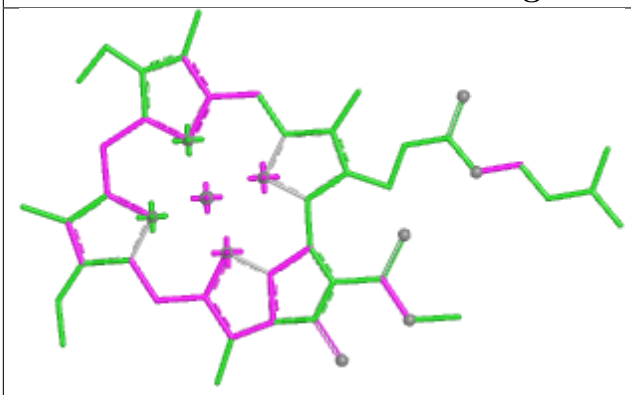


Torsions

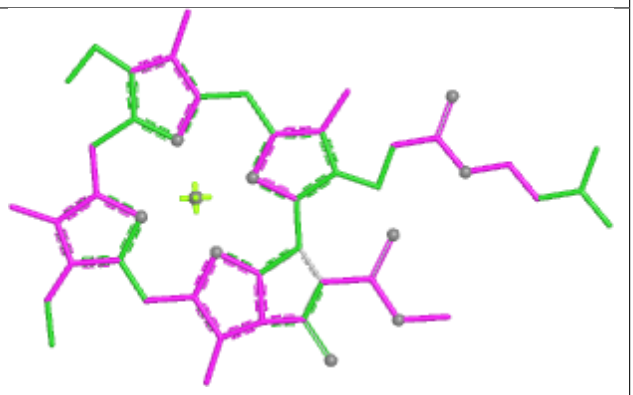


Rings

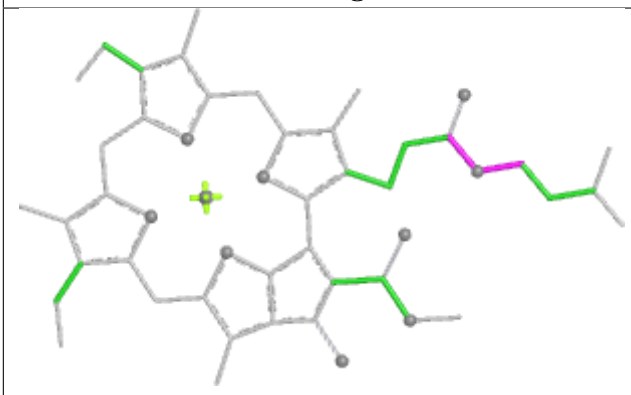
Ligand CLA G 838



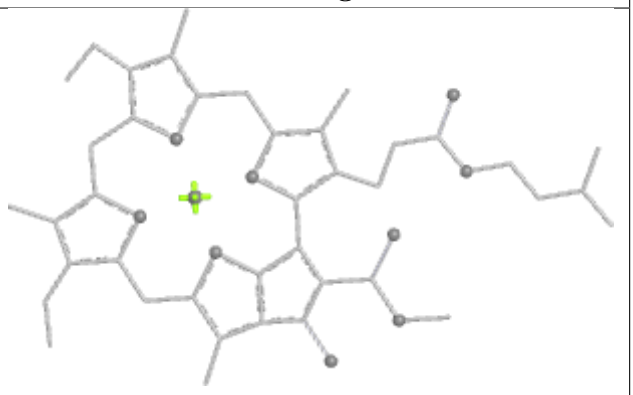
Bond lengths



Bond angles

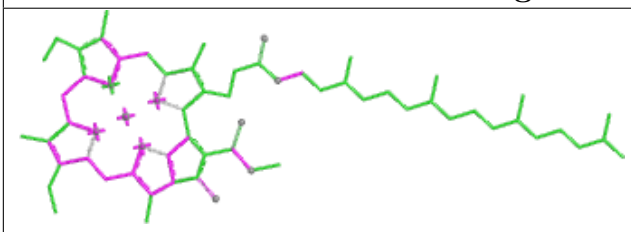


Torsions

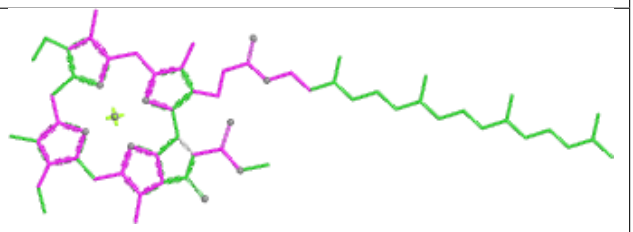


Rings

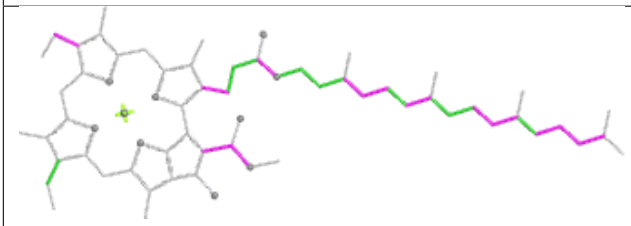
Ligand CLA U 1002



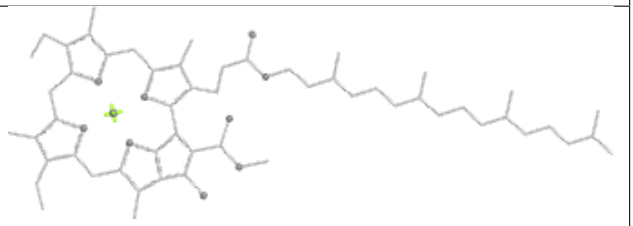
Bond lengths



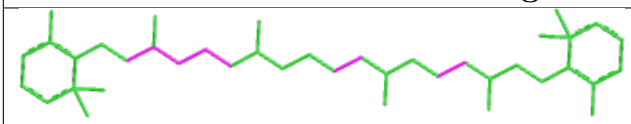
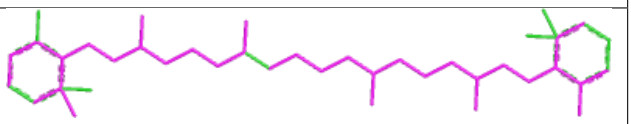
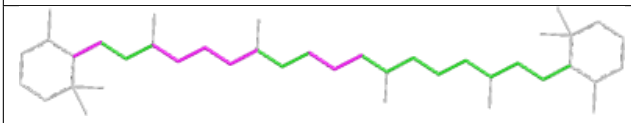
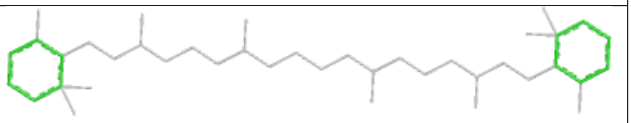
Bond angles

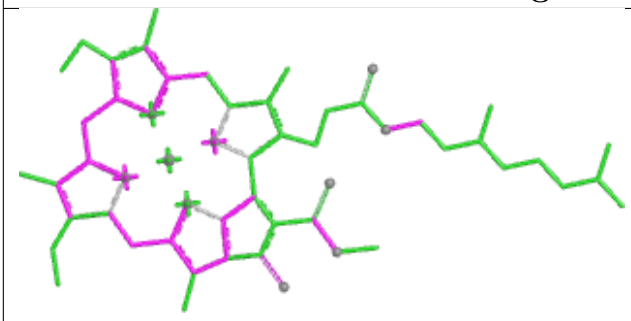
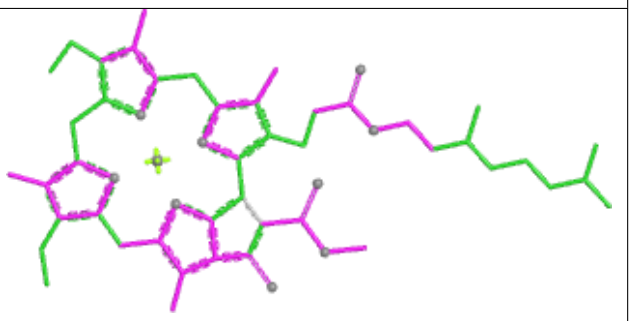
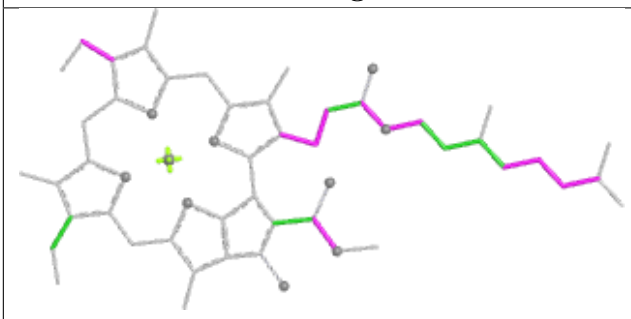
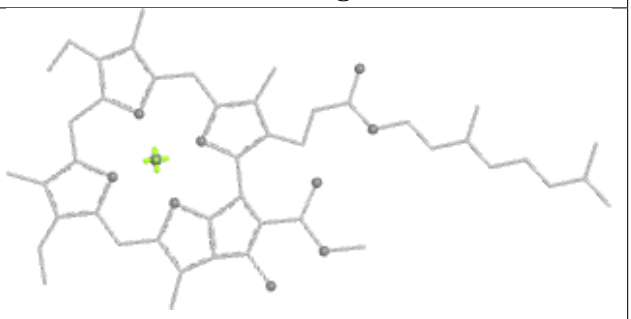


Torsions

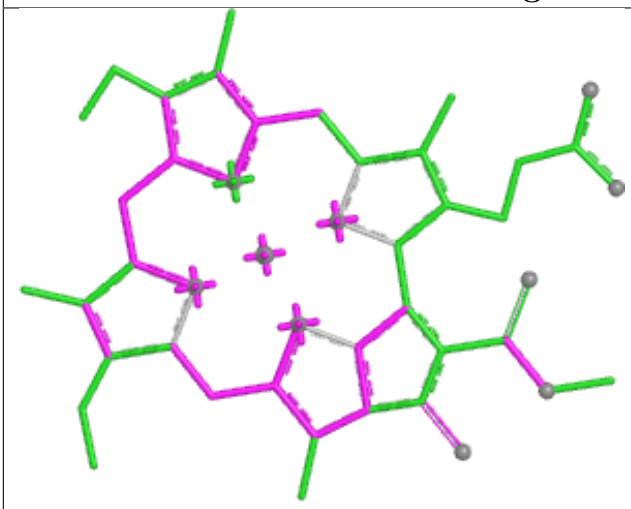


Rings

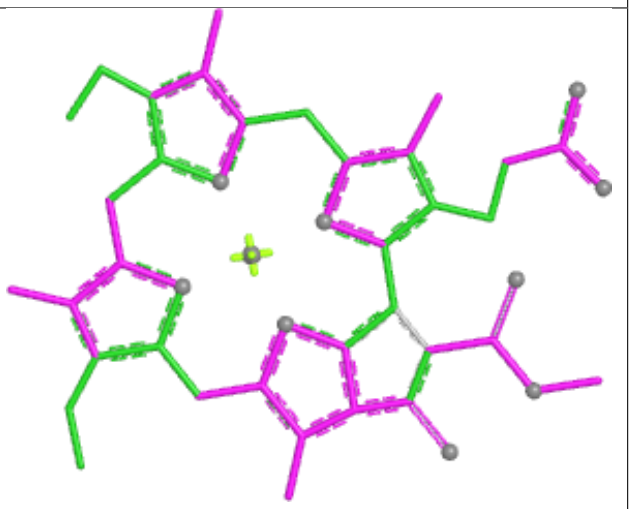
Ligand BCR H 850	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA f 102	
 Bond lengths	 Bond angles
 Torsions	 Rings

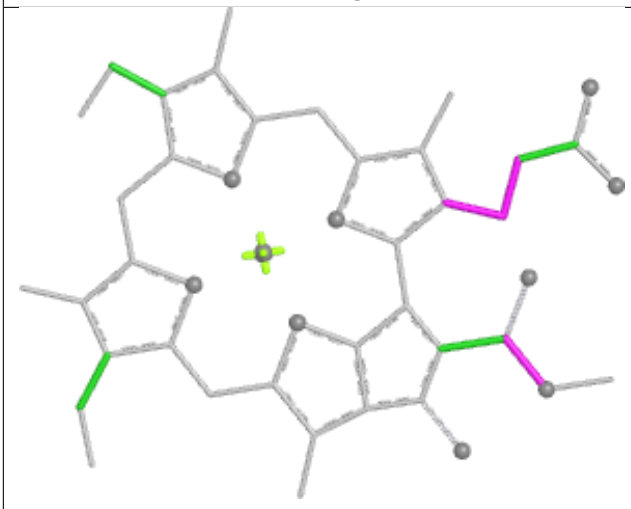
Ligand CLA H 834



Bond lengths



Bond angles

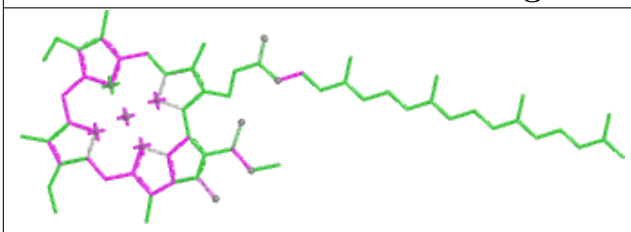


Torsions

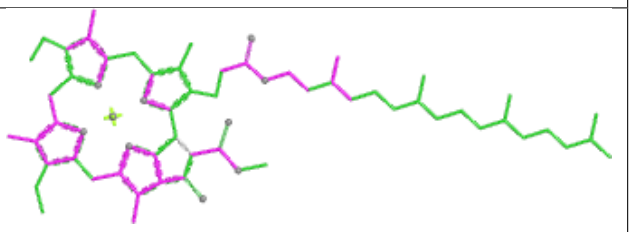


Rings

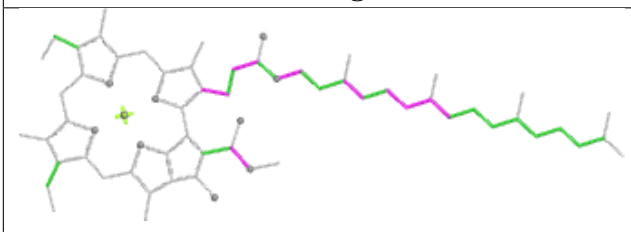
Ligand CLA Y 840



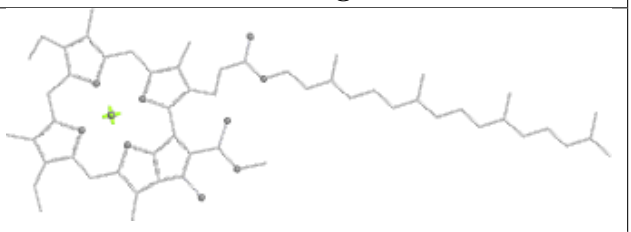
Bond lengths



Bond angles

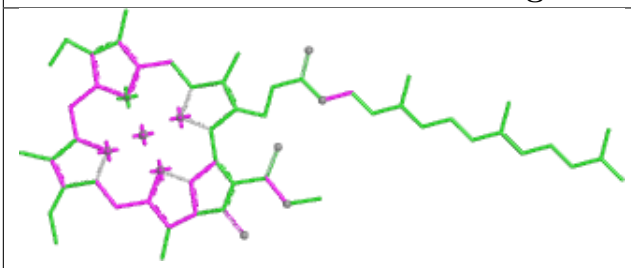


Torsions

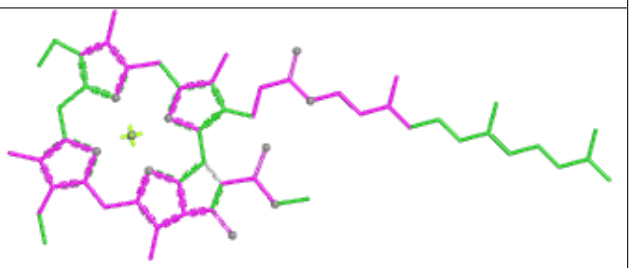


Rings

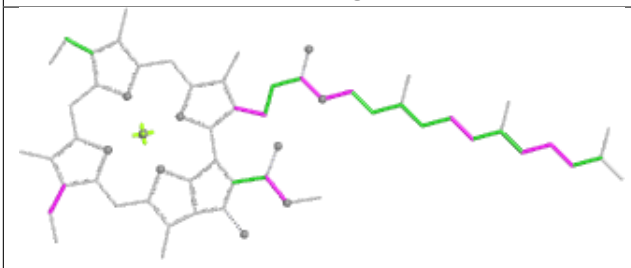
Ligand CLA Z 837



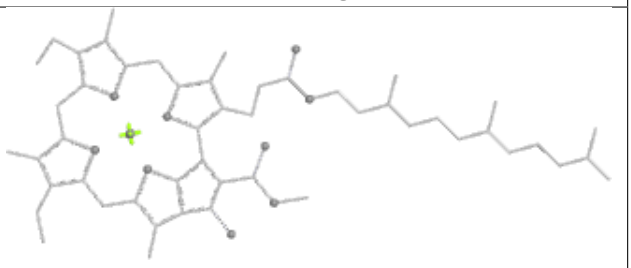
Bond lengths



Bond angles

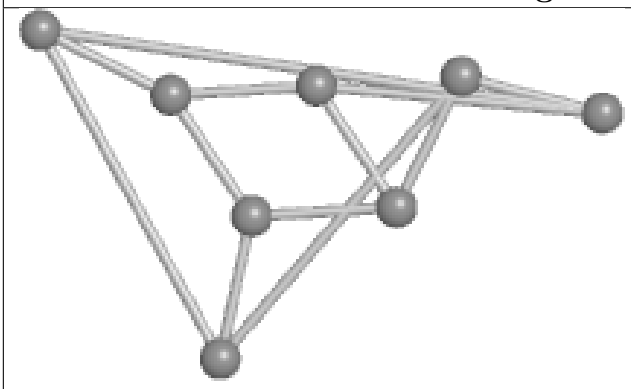


Torsions

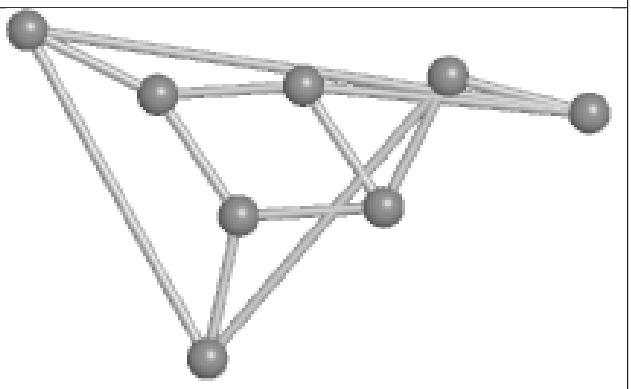


Rings

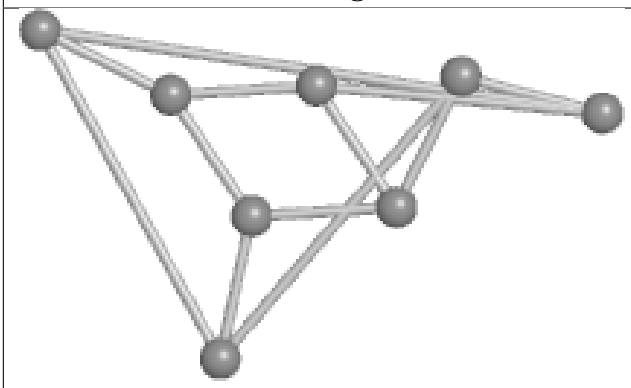
Ligand SF4 a 101



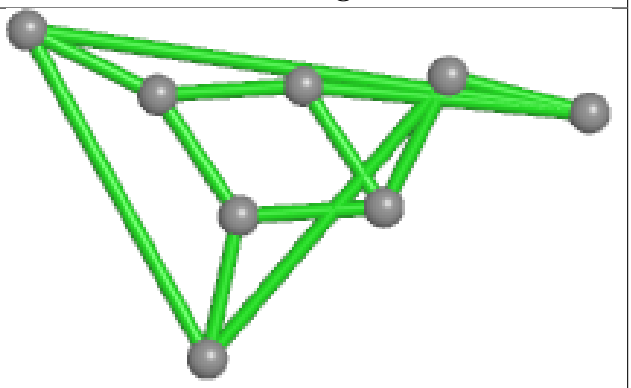
Bond lengths



Bond angles

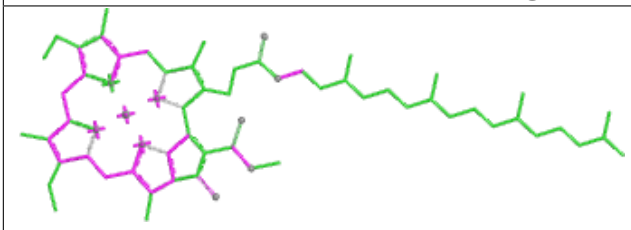


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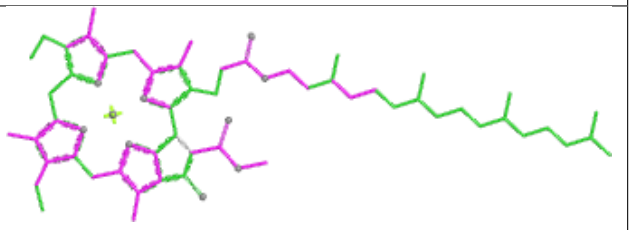


Rings

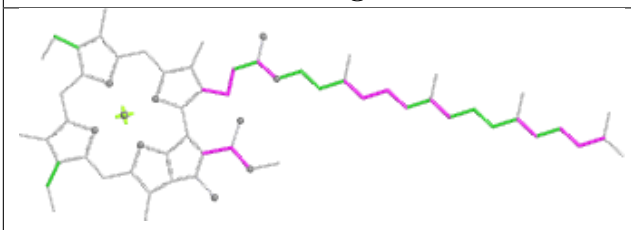
Ligand CLA A 809



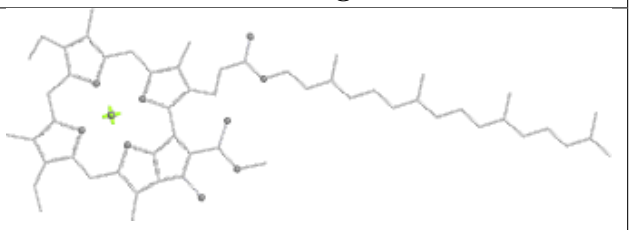
Bond lengths



Bond angles

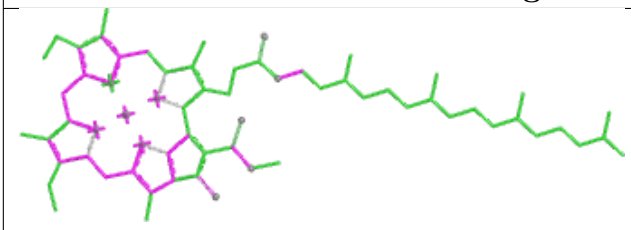


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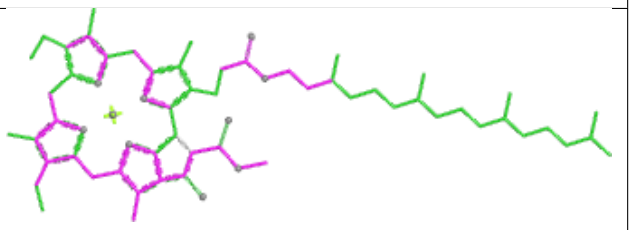


Rings

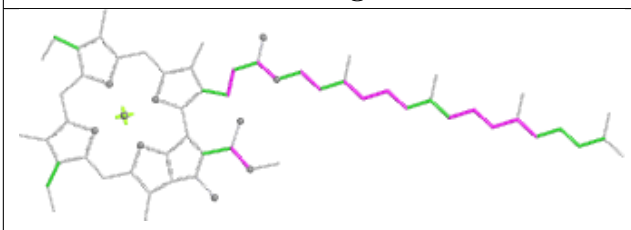
Ligand CLA G 802



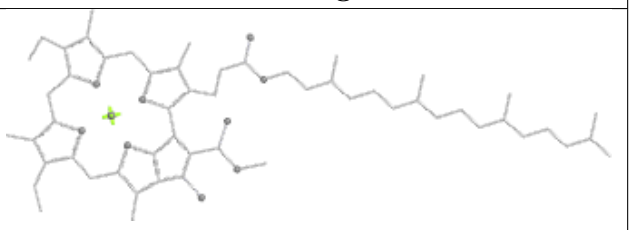
Bond lengths



Bond angles

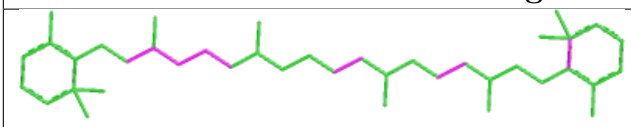


Torsions

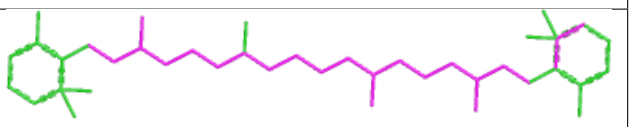


Rings

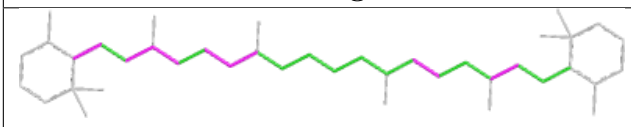
Ligand BCR h 207



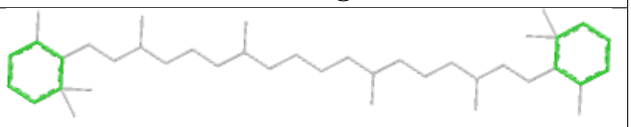
Bond lengths



Bond angles

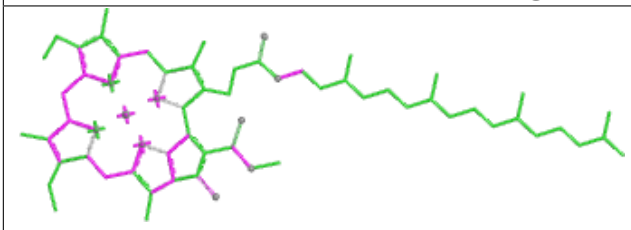


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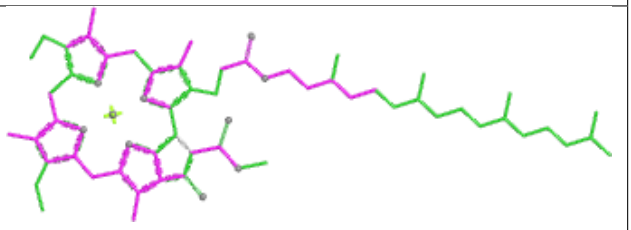


Rings

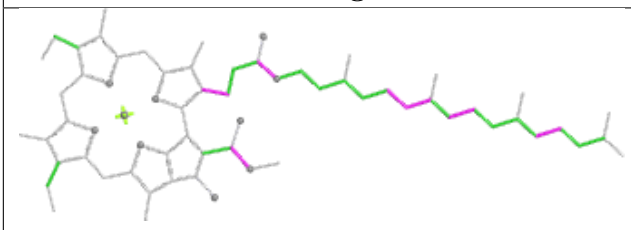
Ligand CLA h 201



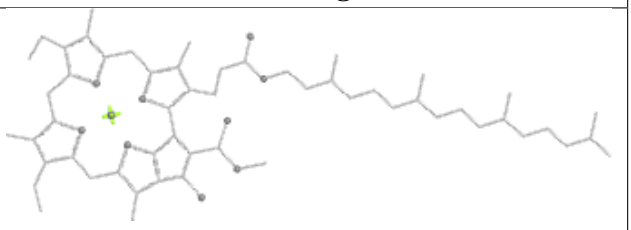
Bond lengths



Bond angles

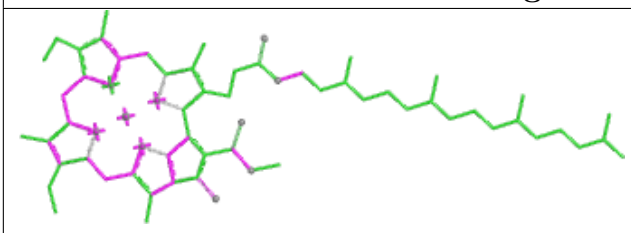


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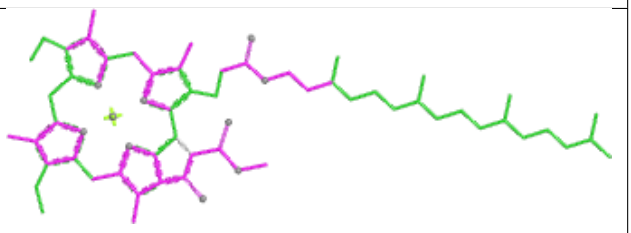


Rings

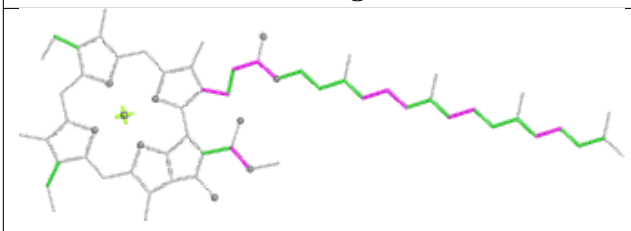
Ligand CLA A 829



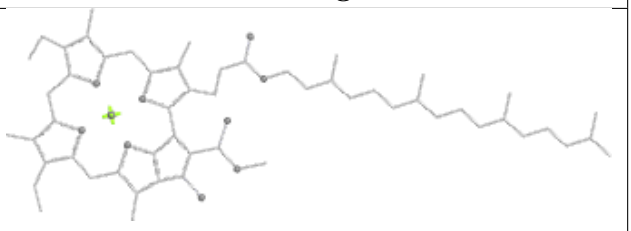
Bond lengths



Bond angles

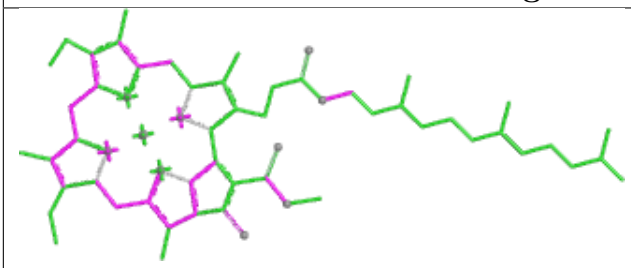


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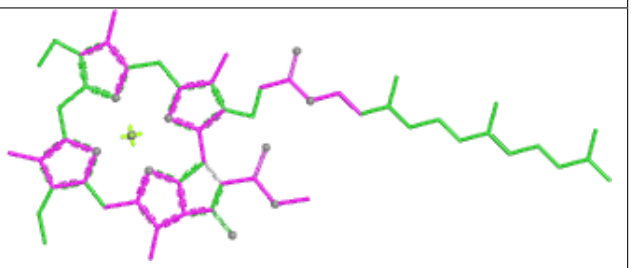


Rings

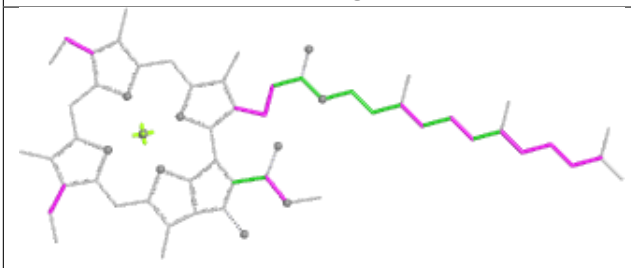
Ligand CLA G 824



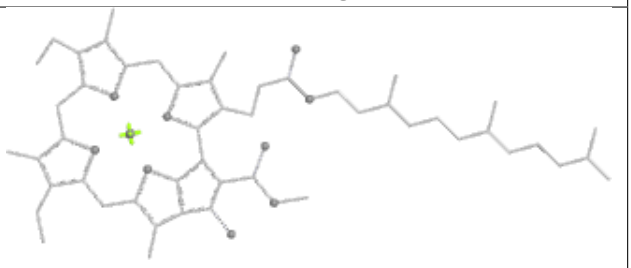
Bond lengths



Bond angles

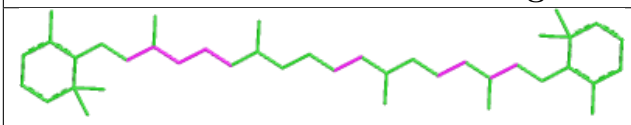


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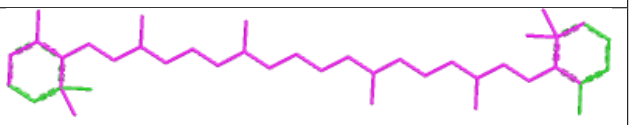


Rings

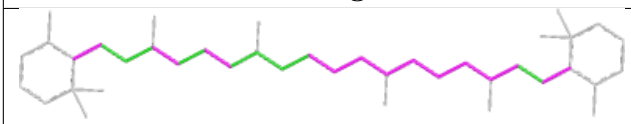
Ligand BCR e 101



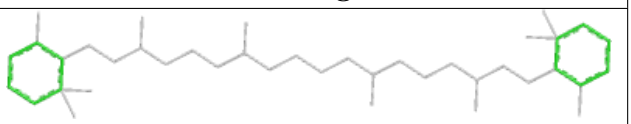
Bond lengths



Bond angles

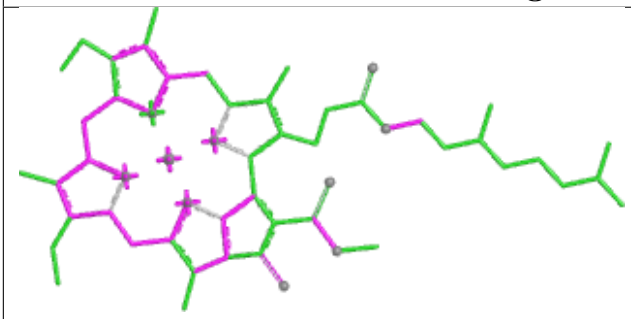


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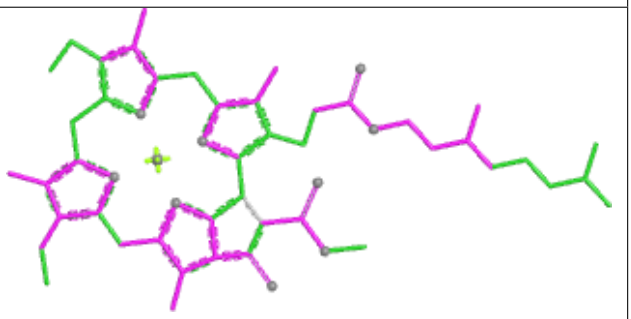


Rings

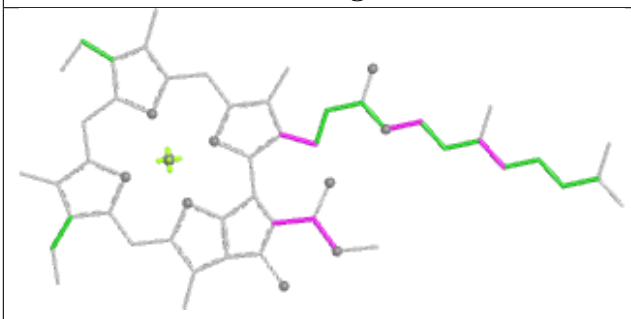
Ligand CLA Z 825



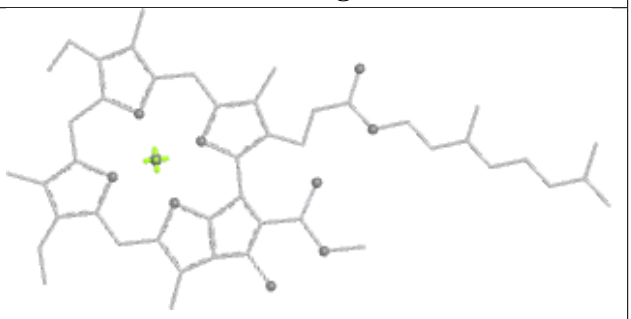
Bond lengths



Bond angles

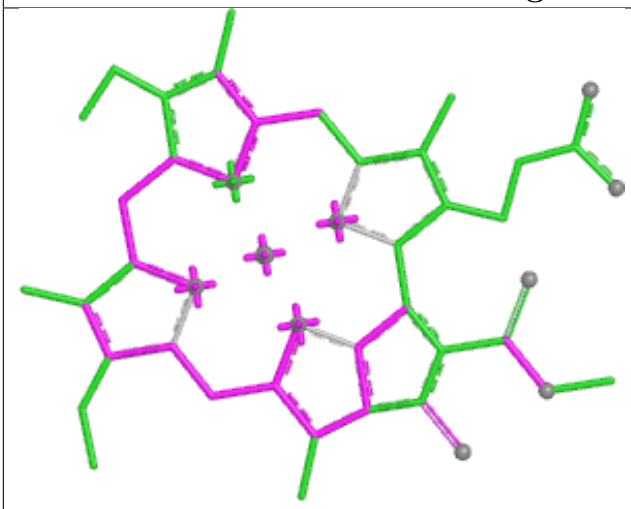


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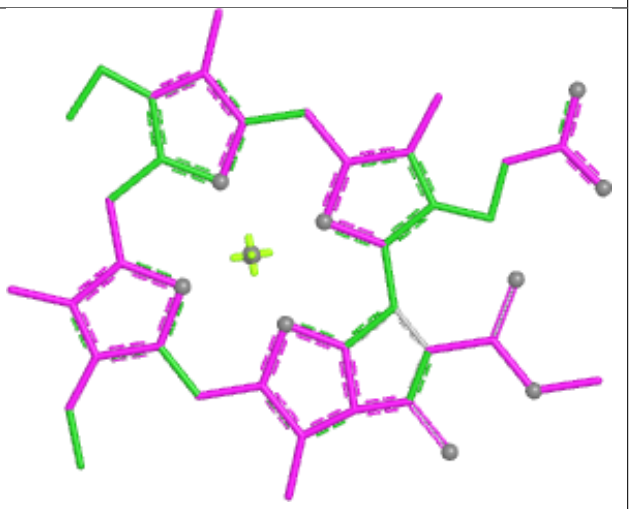


Rings

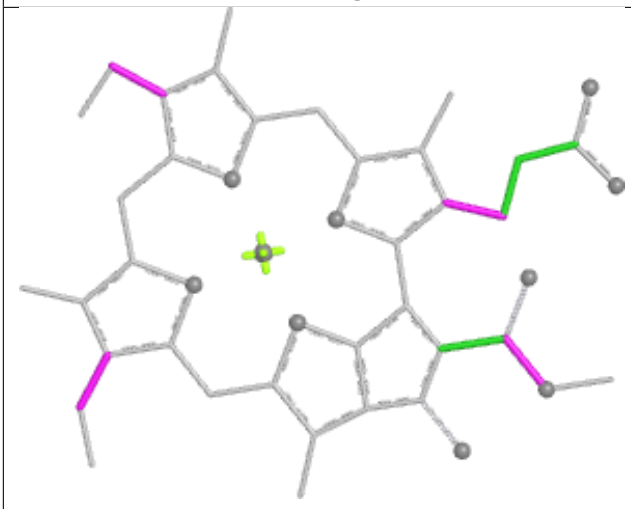
Ligand CLA Z 832



Bond lengths



Bond angles

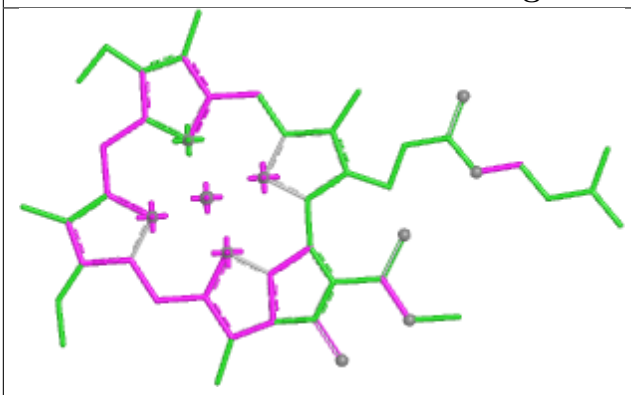


Torsions

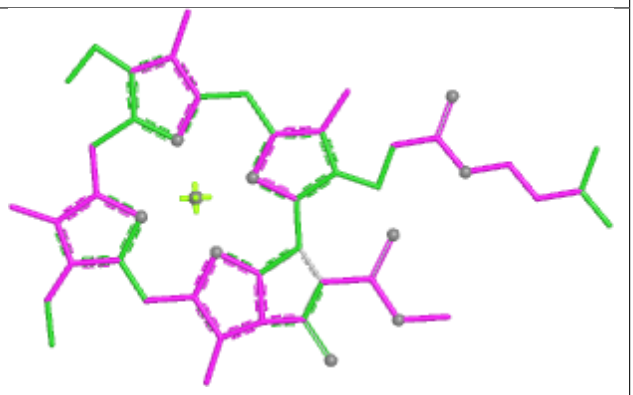


Rings

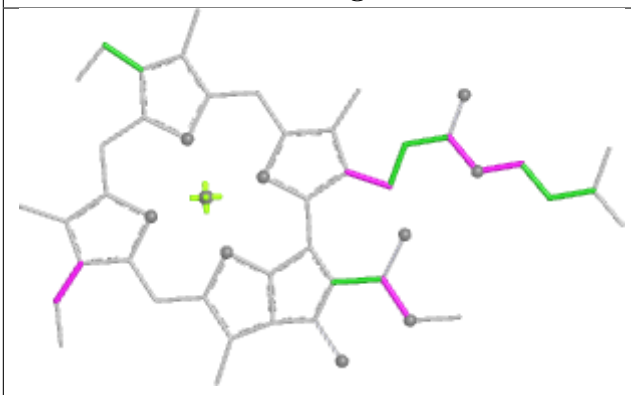
Ligand CLA G 816



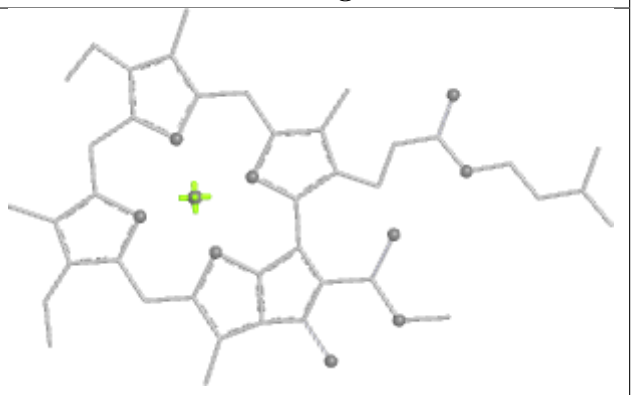
Bond lengths



Bond angles

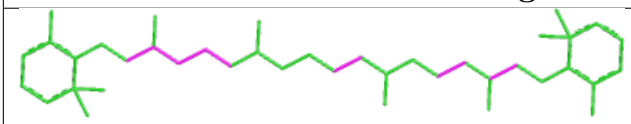


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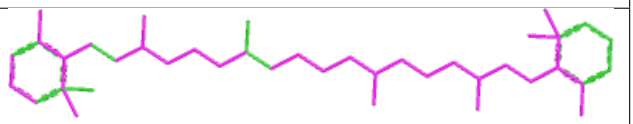


Rings

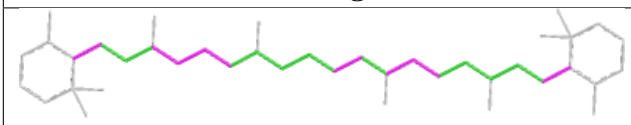
Ligand BCR M 101



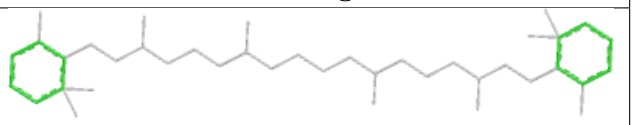
Bond lengths



Bond angles

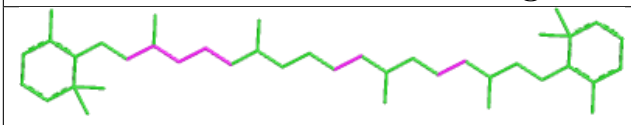


Torsions

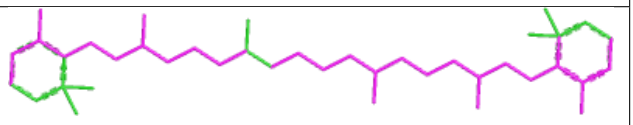


Rings

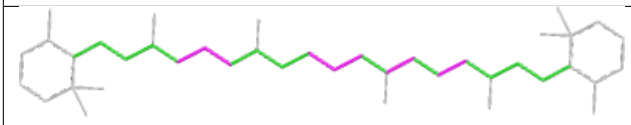
Ligand BCR Y 847



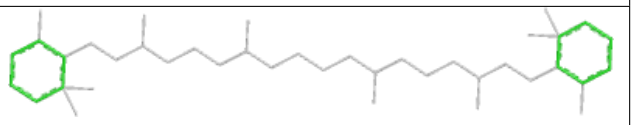
Bond lengths



Bond angles

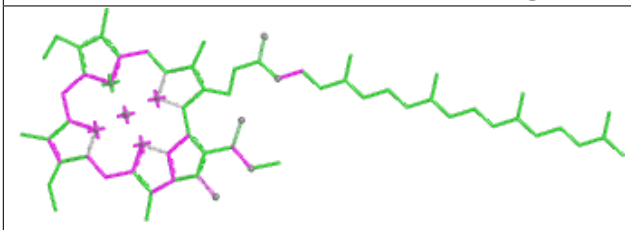


Torsions

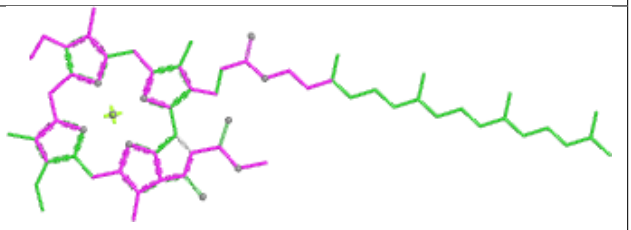


Rings

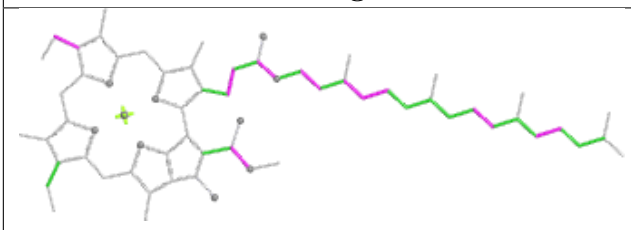
Ligand CLA A 802



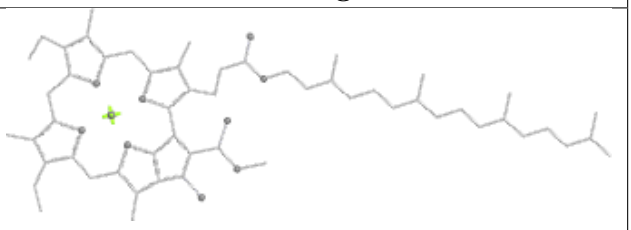
Bond lengths



Bond angles

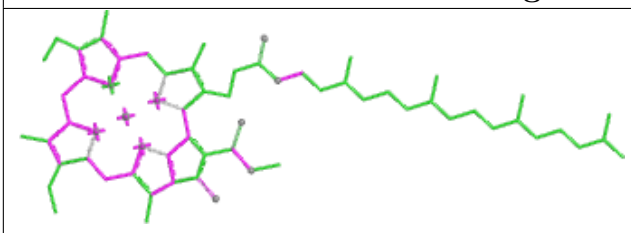


Torsions

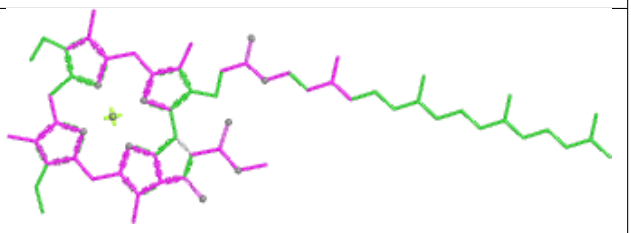


Rings

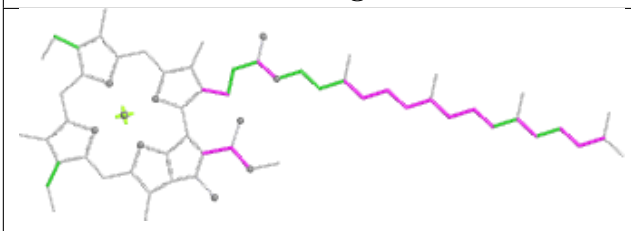
Ligand CLA H 825



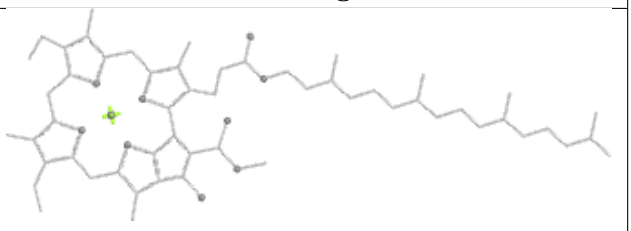
Bond lengths



Bond angles

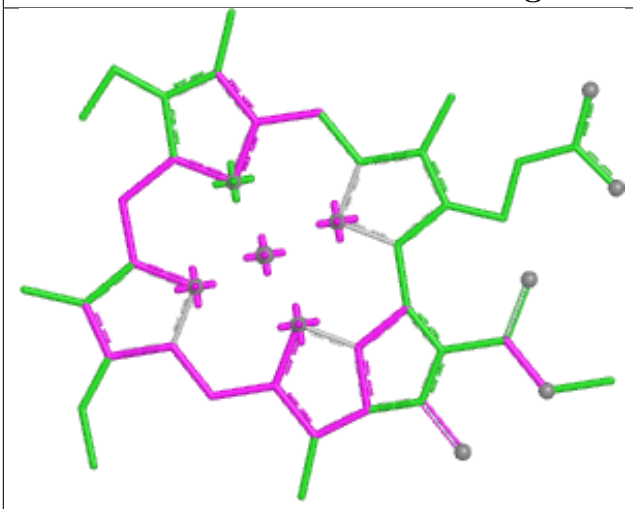


Torsions

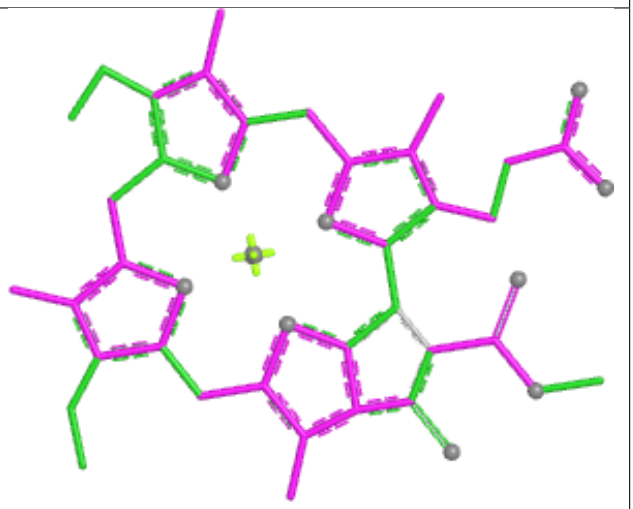


Rings

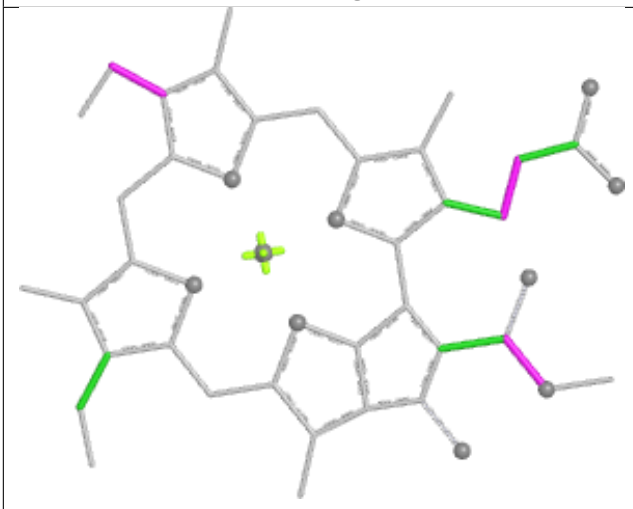
Ligand CLA B 829



Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

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, 95^{th} 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%)	-0.99	0	100	100	23, 46, 71, 91	0
1	G	741/755 (98%)	-0.96	0	100	100	20, 49, 76, 99	0
1	Y	741/755 (98%)	-0.94	0	100	100	27, 52, 73, 93	0
2	B	739/741 (99%)	-1.06	0	100	100	21, 38, 61, 81	0
2	H	739/741 (99%)	-0.97	0	100	100	22, 42, 64, 89	0
2	Z	739/741 (99%)	-1.04	0	100	100	24, 44, 63, 77	0
3	C	80/81 (98%)	-1.15	0	100	100	25, 36, 51, 59	0
3	N	80/81 (98%)	-0.99	0	100	100	24, 39, 55, 64	0
3	a	80/81 (98%)	-1.07	0	100	100	29, 39, 50, 55	0
4	D	138/139 (99%)	-1.09	0	100	100	27, 42, 56, 75	0
4	O	138/139 (99%)	-1.05	0	100	100	25, 43, 59, 76	0
4	b	138/139 (99%)	-1.06	0	100	100	31, 45, 57, 74	0
5	E	69/76 (90%)	-1.00	0	100	100	27, 42, 58, 66	0
5	P	69/76 (90%)	-0.93	0	100	100	32, 44, 57, 63	0
5	c	69/76 (90%)	-0.90	1 (1%)	73	65	36, 51, 68, 81	0
6	F	141/164 (85%)	-0.93	0	100	100	32, 51, 64, 75	0
6	Q	141/164 (85%)	-0.87	0	100	100	36, 52, 65, 79	0
6	d	141/164 (85%)	-0.90	1 (0%)	84	79	34, 60, 71, 76	0
7	I	38/38 (100%)	-1.04	0	100	100	27, 37, 48, 57	0
7	R	38/38 (100%)	-0.96	0	100	100	28, 35, 49, 56	0
7	e	38/38 (100%)	-1.06	0	100	100	22, 35, 46, 53	0
8	J	41/41 (100%)	-0.92	0	100	100	44, 58, 74, 80	0
8	S	41/41 (100%)	-0.85	0	100	100	42, 58, 72, 78	0
8	f	41/41 (100%)	-0.79	0	100	100	58, 67, 80, 102	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å^2)	Q<0.9
9	K	46/83 (55%)	-0.62	0 100 100	46, 76, 97, 108	0
9	T	46/83 (55%)	-0.55	0 100 100	64, 86, 100, 106	0
9	g	46/83 (55%)	-0.53	1 (2%) 62 53	51, 76, 91, 94	0
10	L	151/155 (97%)	-1.10	0 100 100	20, 32, 54, 75	0
10	U	151/155 (97%)	-1.10	0 100 100	20, 32, 47, 76	0
10	h	151/155 (97%)	-1.12	0 100 100	19, 31, 46, 70	0
11	M	30/31 (96%)	-1.06	0 100 100	30, 39, 42, 47	0
11	V	30/31 (96%)	-0.98	0 100 100	28, 38, 46, 53	0
11	i	30/31 (96%)	-1.14	0 100 100	28, 37, 54, 56	0
12	W	26/39 (66%)	-0.95	0 100 100	39, 48, 58, 61	0
12	X	26/39 (66%)	-0.94	0 100 100	44, 50, 56, 60	0
12	j	26/39 (66%)	-1.07	0 100 100	40, 52, 68, 74	0
All	All	6720/7029 (95%)	-0.99	3 (0%) 100 100	19, 45, 71, 108	0

All (3) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
9	g	35	GLN	2.6
6	d	13	ALA	2.1
5	c	69	ALA	2.0

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
14	CLA	A	817	50/65	0.97	0.08	66,75,78,81	0
14	CLA	A	823	65/65	0.97	0.09	52,65,82,85	0
14	CLA	H	812	45/65	0.97	0.06	36,41,42,47	0
14	CLA	J	101	45/65	0.97	0.08	57,72,93,102	0
14	CLA	S	1102	45/65	0.97	0.09	67,86,90,94	0
14	CLA	S	1103	55/65	0.97	0.09	54,67,109,112	0
14	CLA	W	1701	45/65	0.97	0.07	45,64,68,70	0
14	CLA	Y	818	65/65	0.97	0.09	53,61,78,81	0
14	CLA	f	101	45/65	0.97	0.08	82,90,103,106	0
14	CLA	f	102	55/65	0.97	0.10	78,90,105,112	0
17	BCR	B	842	30/40	0.97	0.11	49,70,86,90	0
18	LHG	H	849	37/49	0.97	0.09	42,67,86,92	0
14	CLA	A	835	45/65	0.98	0.07	48,58,61,62	0
14	CLA	A	838	50/65	0.98	0.06	31,38,57,63	0
14	CLA	A	843	50/65	0.98	0.07	50,56,59,61	0
14	CLA	B	810	55/65	0.98	0.06	45,49,57,63	0
14	CLA	B	811	50/65	0.98	0.06	36,40,58,62	0
14	CLA	B	814	45/65	0.98	0.06	58,65,69,74	0
14	CLA	B	815	55/65	0.98	0.08	50,58,78,80	0
14	CLA	B	816	65/65	0.98	0.07	32,39,61,63	0
14	CLA	B	818	60/65	0.98	0.07	40,47,50,53	0
14	CLA	B	819	45/65	0.98	0.06	51,57,65,70	0
14	CLA	B	820	45/65	0.98	0.06	47,60,63,64	0
14	CLA	B	823	55/65	0.98	0.06	30,45,50,51	0
14	CLA	B	824	65/65	0.98	0.06	26,34,53,55	0
14	CLA	B	825	65/65	0.98	0.06	24,32,37,41	0
14	CLA	B	826	65/65	0.98	0.06	28,35,53,58	0
14	CLA	B	832	55/65	0.98	0.06	39,51,56,60	0
14	CLA	B	834	45/65	0.98	0.07	48,51,60,72	0
14	CLA	B	835	45/65	0.98	0.05	47,52,59,64	0
14	CLA	G	803	65/65	0.98	0.06	22,36,41,42	0
14	CLA	G	804	59/65	0.98	0.07	48,56,63,65	0
14	CLA	G	805	65/65	0.98	0.07	39,46,65,68	0
14	CLA	G	806	65/65	0.98	0.07	43,57,64,67	0
14	CLA	G	807	51/65	0.98	0.07	48,52,73,75	0
14	CLA	G	810	45/65	0.98	0.06	61,66,74,92	0
14	CLA	G	812	54/65	0.98	0.07	49,54,75,81	0
14	CLA	G	813	60/65	0.98	0.06	46,57,62,66	0
14	CLA	G	815	50/65	0.98	0.07	62,81,86,89	0
14	CLA	G	816	50/65	0.98	0.08	57,73,76,80	0
14	CLA	G	817	60/65	0.98	0.07	51,58,64,69	0
14	CLA	G	819	65/65	0.98	0.06	44,55,65,70	0
14	CLA	G	820	60/65	0.98	0.06	50,59,66,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	G	822	65/65	0.98	0.07	45,53,65,66	0
14	CLA	G	826	60/65	0.98	0.07	34,38,64,68	0
14	CLA	G	827	65/65	0.98	0.07	31,42,64,65	0
14	CLA	G	829	65/65	0.98	0.07	49,55,61,66	0
14	CLA	G	834	55/65	0.98	0.06	39,52,54,55	0
14	CLA	G	835	45/65	0.98	0.07	58,66,69,73	0
14	CLA	G	837	65/65	0.98	0.06	35,40,48,51	0
14	CLA	G	839	50/65	0.98	0.07	34,39,58,60	0
14	CLA	G	840	65/65	0.98	0.06	29,37,48,49	0
14	CLA	G	842	50/65	0.98	0.08	46,51,71,82	0
14	CLA	H	802	65/65	0.98	0.07	35,53,60,64	0
14	CLA	H	804	54/65	0.98	0.06	27,29,38,39	0
14	CLA	H	805	65/65	0.98	0.07	34,42,47,48	0
14	CLA	A	810	65/65	0.98	0.06	32,37,58,60	0
14	CLA	H	815	45/65	0.98	0.07	55,66,70,74	0
14	CLA	H	816	55/65	0.98	0.08	48,57,67,69	0
14	CLA	H	818	60/65	0.98	0.08	41,56,61,63	0
14	CLA	H	819	60/65	0.98	0.07	40,52,59,62	0
14	CLA	H	821	45/65	0.98	0.07	49,56,61,64	0
14	CLA	H	822	55/65	0.98	0.06	45,50,63,65	0
14	CLA	H	823	60/65	0.98	0.07	38,44,86,91	0
14	CLA	H	824	55/65	0.98	0.06	36,43,48,48	0
14	CLA	H	825	65/65	0.98	0.07	37,47,53,54	0
14	CLA	H	828	65/65	0.98	0.08	34,45,50,59	0
14	CLA	H	829	65/65	0.98	0.07	32,37,51,55	0
14	CLA	H	830	45/65	0.98	0.06	34,42,46,56	0
14	CLA	H	831	65/65	0.98	0.07	42,50,56,60	0
14	CLA	H	832	55/65	0.98	0.07	50,61,92,94	0
14	CLA	H	833	45/65	0.98	0.06	36,44,47,49	0
14	CLA	H	834	45/65	0.98	0.06	48,58,62,65	0
14	CLA	H	835	45/65	0.98	0.06	53,59,64,69	0
14	CLA	H	836	60/65	0.98	0.08	41,48,69,73	0
14	CLA	H	837	65/65	0.98	0.06	33,39,44,45	0
14	CLA	H	838	45/65	0.98	0.06	31,49,52,55	0
14	CLA	H	851	50/65	0.98	0.07	41,48,68,72	0
14	CLA	A	811	45/65	0.98	0.06	57,65,72,73	0
14	CLA	J	102	55/65	0.98	0.07	66,73,98,111	0
14	CLA	K	101	41/65	0.98	0.06	46,61,64,66	0
14	CLA	K	102	45/65	0.98	0.07	68,75,79,80	0
14	CLA	L	204	65/65	0.98	0.05	28,37,42,44	0
14	CLA	Q	202	45/65	0.98	0.06	53,63,66,69	0
14	CLA	S	1101	65/65	0.98	0.07	38,45,58,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	A	813	54/65	0.98	0.07	43,51,59,64	0
14	CLA	A	804	65/65	0.98	0.07	41,45,49,52	0
14	CLA	T	101	41/65	0.98	0.08	50,76,83,88	0
14	CLA	T	103	45/65	0.98	0.07	63,75,78,82	0
14	CLA	U	1004	65/65	0.98	0.06	26,29,35,36	0
14	CLA	A	818	60/65	0.98	0.07	57,63,67,71	0
14	CLA	X	1701	45/65	0.98	0.06	45,56,59,60	0
14	CLA	Y	804	59/65	0.98	0.07	47,65,69,71	0
14	CLA	Y	805	65/65	0.98	0.07	39,43,82,84	0
14	CLA	Y	807	51/65	0.98	0.06	60,72,74,78	0
14	CLA	Y	810	45/65	0.98	0.06	59,69,72,73	0
14	CLA	Y	811	65/65	0.98	0.07	54,71,77,79	0
14	CLA	Y	812	55/65	0.98	0.06	37,52,58,63	0
14	CLA	Y	813	60/65	0.98	0.07	56,65,69,71	0
14	CLA	Y	814	55/65	0.98	0.07	59,71,76,78	0
14	CLA	Y	816	50/65	0.98	0.08	79,87,98,101	0
14	CLA	Y	817	60/65	0.98	0.07	50,54,61,63	0
14	CLA	A	819	65/65	0.98	0.07	36,48,58,59	0
14	CLA	Y	819	65/65	0.98	0.07	45,58,62,65	0
14	CLA	Y	820	60/65	0.98	0.07	51,66,70,73	0
14	CLA	Y	821	65/65	0.98	0.07	39,55,65,70	0
14	CLA	Y	822	65/65	0.98	0.07	51,60,89,92	0
14	CLA	Y	823	50/65	0.98	0.06	46,49,56,61	0
14	CLA	Y	832	65/65	0.98	0.06	27,35,39,45	0
14	CLA	Y	833	55/65	0.98	0.07	50,55,63,65	0
14	CLA	Y	834	45/65	0.98	0.07	49,56,59,59	0
14	CLA	Y	838	65/65	0.98	0.06	40,49,54,60	0
14	CLA	Y	839	50/65	0.98	0.06	44,53,57,58	0
14	CLA	Z	806	65/65	0.98	0.07	34,40,44,46	0
14	CLA	Z	811	65/65	0.98	0.05	25,35,39,44	0
14	CLA	Z	813	45/65	0.98	0.06	50,55,64,72	0
14	CLA	Z	818	65/65	0.98	0.07	40,44,57,60	0
14	CLA	Z	822	45/65	0.98	0.07	42,44,51,55	0
14	CLA	Z	824	60/65	0.98	0.07	47,53,75,77	0
14	CLA	Z	826	65/65	0.98	0.07	37,48,69,73	0
14	CLA	Z	832	45/65	0.98	0.05	27,31,41,44	0
14	CLA	Z	834	45/65	0.98	0.06	36,48,50,52	0
14	CLA	Z	836	45/65	0.98	0.06	50,75,79,82	0
14	CLA	Z	837	60/65	0.98	0.06	41,59,66,71	0
14	CLA	d	201	65/65	0.98	0.07	40,59,66,71	0
14	CLA	A	820	65/65	0.98	0.07	43,54,60,61	0
14	CLA	A	821	60/65	0.98	0.07	55,62,72,74	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	g	101	41/65	0.98	0.07	47,64,71,73	0
14	CLA	g	102	45/65	0.98	0.06	49,59,67,74	0
14	CLA	h	205	65/65	0.98	0.06	28,32,36,38	0
15	PQN	B	841	33/33	0.98	0.06	34,37,39,40	0
15	PQN	Z	842	33/33	0.98	0.06	32,36,38,40	0
17	BCR	A	846	40/40	0.98	0.08	54,62,72,74	0
17	BCR	A	847	40/40	0.98	0.09	50,70,85,86	0
17	BCR	A	848	40/40	0.98	0.09	52,67,81,84	0
17	BCR	A	850	40/40	0.98	0.08	31,42,56,58	0
14	CLA	A	808	51/65	0.98	0.07	47,56,61,66	0
17	BCR	B	846	40/40	0.98	0.06	31,34,36,38	0
17	BCR	B	847	40/40	0.98	0.06	22,26,30,31	0
17	BCR	B	850	40/40	0.98	0.08	46,57,79,80	0
17	BCR	F	201	40/40	0.98	0.06	30,45,56,59	0
17	BCR	G	845	40/40	0.98	0.08	55,68,75,77	0
17	BCR	G	846	40/40	0.98	0.09	47,59,95,97	0
17	BCR	G	847	40/40	0.98	0.09	47,57,81,83	0
17	BCR	G	848	40/40	0.98	0.07	28,48,59,61	0
17	BCR	H	842	40/40	0.98	0.08	64,69,89,93	0
17	BCR	H	843	40/40	0.98	0.08	38,46,69,69	0
17	BCR	H	846	40/40	0.98	0.08	36,40,47,48	0
17	BCR	H	847	40/40	0.98	0.06	24,26,30,32	0
17	BCR	H	850	40/40	0.98	0.07	36,52,68,68	0
17	BCR	I	102	40/40	0.98	0.06	29,32,41,43	0
17	BCR	J	104	40/40	0.98	0.07	56,60,75,75	0
17	BCR	L	208	40/40	0.98	0.06	27,30,62,63	0
17	BCR	M	101	40/40	0.98	0.06	30,35,44,45	0
17	BCR	Q	201	40/40	0.98	0.09	46,58,70,72	0
17	BCR	Q	203	40/40	0.98	0.07	28,35,44,45	0
17	BCR	S	1105	40/40	0.98	0.06	45,51,58,61	0
17	BCR	T	102	40/40	0.98	0.09	51,64,73,76	0
17	BCR	U	1008	40/40	0.98	0.06	23,26,30,31	0
17	BCR	U	1009	40/40	0.98	0.06	25,33,44,46	0
17	BCR	V	101	40/40	0.98	0.07	28,36,52,53	0
17	BCR	Y	844	40/40	0.98	0.07	50,56,61,64	0
17	BCR	Y	845	40/40	0.98	0.09	50,64,97,99	0
17	BCR	Y	846	40/40	0.98	0.09	56,70,91,92	0
17	BCR	Y	847	40/40	0.98	0.09	39,47,93,94	0
17	BCR	Y	849	40/40	0.98	0.06	33,39,45,45	0
17	BCR	Y	852	40/40	0.98	0.07	28,35,41,42	0
17	BCR	Y	853	40/40	0.98	0.08	59,67,84,87	0
17	BCR	Z	843	40/40	0.98	0.07	45,48,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
17	BCR	Z	844	40/40	0.98	0.08	38,47,65,67	0
17	BCR	Z	845	40/40	0.98	0.08	40,61,78,81	0
17	BCR	Z	846	25/40	0.98	0.07	22,44,50,51	0
17	BCR	Z	847	40/40	0.98	0.07	37,43,47,48	0
17	BCR	Z	850	40/40	0.98	0.08	50,67,72,74	0
17	BCR	d	203	40/40	0.98	0.07	40,45,55,56	0
17	BCR	e	101	40/40	0.98	0.05	22,28,38,39	0
17	BCR	h	202	40/40	0.98	0.07	31,34,68,70	0
17	BCR	i	101	40/40	0.98	0.06	30,36,41,42	0
18	LHG	A	852	49/49	0.98	0.08	26,41,52,55	0
18	LHG	B	849	39/49	0.98	0.08	49,61,79,80	0
14	CLA	A	824	50/65	0.98	0.07	48,63,73,76	0
18	LHG	j	101	28/49	0.98	0.07	50,58,69,73	0
19	LMG	B	848	52/55	0.98	0.07	21,27,50,52	0
19	LMG	H	848	49/55	0.98	0.07	22,32,39,40	0
19	LMG	Z	849	49/55	0.98	0.06	26,36,41,42	0
14	CLA	A	829	65/65	0.99	0.05	30,37,57,61	0
14	CLA	U	1002	65/65	0.99	0.05	22,28,35,46	0
14	CLA	U	1003	65/65	0.99	0.05	25,29,46,47	0
14	CLA	A	830	65/65	0.99	0.06	33,41,57,60	0
14	CLA	U	1006	65/65	0.99	0.05	27,30,48,52	0
14	CLA	U	1007	65/65	0.99	0.05	29,33,37,39	0
14	CLA	A	831	65/65	0.99	0.06	33,41,45,46	0
14	CLA	A	832	50/65	0.99	0.06	37,40,61,62	0
14	CLA	Y	802	65/65	0.99	0.06	28,36,44,47	0
14	CLA	Y	803	65/65	0.99	0.06	49,60,65,66	0
14	CLA	A	833	65/65	0.99	0.05	25,28,36,41	0
14	CLA	G	808	65/65	0.99	0.06	31,36,63,66	0
14	CLA	Y	806	65/65	0.99	0.06	38,52,60,62	0
14	CLA	G	809	65/65	0.99	0.06	38,44,58,62	0
14	CLA	Y	808	65/65	0.99	0.05	38,49,60,63	0
14	CLA	Y	809	65/65	0.99	0.06	45,52,66,68	0
14	CLA	A	834	55/65	0.99	0.06	39,49,58,66	0
14	CLA	G	811	65/65	0.99	0.07	43,66,72,75	0
14	CLA	A	802	65/65	0.99	0.06	40,44,51,59	0
14	CLA	A	836	50/65	0.99	0.05	27,31,42,43	0
14	CLA	G	814	50/65	0.99	0.05	55,70,76,86	0
14	CLA	Y	815	50/65	0.99	0.06	43,60,65,71	0
14	CLA	A	837	65/65	0.99	0.05	32,41,45,49	0
14	CLA	A	812	65/65	0.99	0.06	39,58,63,65	0
14	CLA	A	839	65/65	0.99	0.06	35,39,58,66	0
14	CLA	G	818	65/65	0.99	0.06	47,53,68,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	A	840	50/65	0.99	0.06	40,46,55,69	0
14	CLA	A	841	65/65	0.99	0.05	24,27,47,52	0
14	CLA	G	821	65/65	0.99	0.06	39,53,59,61	0
14	CLA	A	842	65/65	0.99	0.05	20,24,27,28	0
14	CLA	Y	824	60/65	0.99	0.07	37,44,78,80	0
14	CLA	Y	825	65/65	0.99	0.06	34,39,50,52	0
14	CLA	Y	826	60/65	0.99	0.06	41,44,53,56	0
14	CLA	Y	827	65/65	0.99	0.07	51,66,71,73	0
14	CLA	Y	828	65/65	0.99	0.06	43,46,55,59	0
14	CLA	Y	829	65/65	0.99	0.06	40,49,59,65	0
14	CLA	Y	830	65/65	0.99	0.06	36,48,51,58	0
14	CLA	Y	831	50/65	0.99	0.06	35,38,56,61	0
14	CLA	G	823	50/65	0.99	0.06	40,51,71,75	0
14	CLA	G	824	60/65	0.99	0.06	42,46,55,56	0
14	CLA	G	825	65/65	0.99	0.06	38,47,51,53	0
14	CLA	Y	835	50/65	0.99	0.06	43,49,51,53	0
14	CLA	Y	836	65/65	0.99	0.06	30,38,44,52	0
14	CLA	Y	837	50/65	0.99	0.05	34,39,67,68	0
14	CLA	A	803	65/65	0.99	0.05	18,30,33,35	0
14	CLA	A	854	65/65	0.99	0.06	34,40,58,61	0
14	CLA	Y	840	65/65	0.99	0.06	44,52,78,87	0
14	CLA	Y	841	65/65	0.99	0.05	22,25,31,34	0
14	CLA	Z	801	65/65	0.99	0.06	35,47,51,53	0
14	CLA	Z	802	65/65	0.99	0.06	46,56,59,65	0
14	CLA	Z	803	65/65	0.99	0.06	37,52,57,65	0
14	CLA	Z	804	65/65	0.99	0.05	24,36,38,43	0
14	CLA	Z	805	54/65	0.99	0.05	25,30,32,33	0
14	CLA	G	828	65/65	0.99	0.07	39,51,58,64	0
14	CLA	Z	807	65/65	0.99	0.06	30,37,56,57	0
14	CLA	Z	808	65/65	0.99	0.05	31,35,46,53	0
14	CLA	Z	809	65/65	0.99	0.06	39,47,51,54	0
14	CLA	Z	810	65/65	0.99	0.05	29,33,43,49	0
14	CLA	B	801	65/65	0.99	0.05	22,28,33,34	0
14	CLA	Z	812	55/65	0.99	0.06	37,43,54,55	0
14	CLA	G	830	65/65	0.99	0.06	32,40,57,58	0
14	CLA	Z	814	65/65	0.99	0.06	34,37,50,52	0
14	CLA	Z	815	65/65	0.99	0.05	37,44,57,61	0
14	CLA	Z	816	45/65	0.99	0.06	51,59,70,76	0
14	CLA	Z	817	55/65	0.99	0.06	39,49,62,70	0
14	CLA	G	831	50/65	0.99	0.05	31,34,46,50	0
14	CLA	Z	819	60/65	0.99	0.06	37,47,51,55	0
14	CLA	Z	820	60/65	0.99	0.06	42,52,71,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
14	CLA	Z	821	45/65	0.99	0.06	38,47,61,72	0
14	CLA	G	832	65/65	0.99	0.05	22,27,34,35	0
14	CLA	Z	823	55/65	0.99	0.05	40,44,48,48	0
14	CLA	G	833	65/65	0.99	0.05	18,22,32,34	0
14	CLA	Z	825	55/65	0.99	0.05	36,44,48,51	0
14	CLA	B	802	65/65	0.99	0.04	25,35,38,39	0
14	CLA	Z	827	65/65	0.99	0.05	34,37,47,48	0
14	CLA	Z	828	65/65	0.99	0.06	36,41,48,51	0
14	CLA	Z	829	65/65	0.99	0.06	33,40,44,45	0
14	CLA	Z	830	65/65	0.99	0.06	29,34,44,45	0
14	CLA	Z	831	45/65	0.99	0.06	42,46,64,66	0
14	CLA	B	803	54/65	0.99	0.05	26,29,39,40	0
14	CLA	Z	833	55/65	0.99	0.06	51,66,71,75	0
14	CLA	G	836	50/65	0.99	0.06	34,41,50,54	0
14	CLA	Z	835	45/65	0.99	0.05	51,59,61,62	0
14	CLA	B	804	65/65	0.99	0.05	26,31,39,41	0
14	CLA	G	838	50/65	0.99	0.06	32,41,56,58	0
14	CLA	Z	838	65/65	0.99	0.05	35,39,55,58	0
14	CLA	Z	839	45/65	0.99	0.05	36,40,42,44	0
14	CLA	Z	840	65/65	0.99	0.05	17,20,27,28	0
14	CLA	Z	841	65/65	0.99	0.05	21,31,34,35	0
14	CLA	B	805	65/65	0.99	0.05	34,38,56,60	0
14	CLA	d	202	45/65	0.99	0.06	63,75,80,81	0
14	CLA	B	806	65/65	0.99	0.04	25,30,37,41	0
14	CLA	G	841	65/65	0.99	0.05	20,23,30,32	0
14	CLA	B	807	65/65	0.99	0.05	27,30,40,43	0
14	CLA	G	852	65/65	0.99	0.06	27,36,38,41	0
14	CLA	h	201	65/65	0.99	0.06	25,29,72,74	0
14	CLA	h	204	65/65	0.99	0.05	22,28,42,47	0
14	CLA	G	853	45/65	0.99	0.05	26,29,39,44	0
14	CLA	h	206	65/65	0.99	0.05	26,31,45,47	0
14	CLA	j	102	45/65	0.99	0.06	47,64,68,69	0
15	PQN	A	844	33/33	0.99	0.06	35,38,42,42	0
14	CLA	H	801	65/65	0.99	0.05	30,34,49,53	0
15	PQN	G	843	33/33	0.99	0.07	44,51,55,56	0
15	PQN	H	841	33/33	0.99	0.07	29,39,60,61	0
15	PQN	Y	842	33/33	0.99	0.06	38,45,52,52	0
14	CLA	B	808	65/65	0.99	0.05	27,29,41,45	0
16	SF4	G	844	8/8	0.99	0.03	45,45,48,58	0
14	CLA	H	803	65/65	0.99	0.06	24,30,51,54	0
14	CLA	B	809	65/65	0.99	0.05	21,25,33,41	0
14	CLA	A	814	60/65	0.99	0.06	42,48,78,79	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
17	BCR	A	849	40/40	0.99	0.07	38,48,70,72	0
14	CLA	H	806	65/65	0.99	0.06	40,45,59,62	0
17	BCR	A	851	40/40	0.99	0.05	28,36,42,46	0
14	CLA	H	807	65/65	0.99	0.05	22,27,40,45	0
17	BCR	B	843	40/40	0.99	0.07	34,46,66,69	0
17	BCR	B	844	40/40	0.99	0.07	30,50,68,70	0
17	BCR	B	845	25/40	0.99	0.06	21,28,34,36	0
14	CLA	H	808	65/65	0.99	0.06	29,34,44,47	0
14	CLA	H	809	65/65	0.99	0.05	27,29,44,49	0
14	CLA	H	810	65/65	0.99	0.05	20,22,31,35	0
14	CLA	H	811	55/65	0.99	0.05	37,43,52,54	0
17	BCR	F	203	40/40	0.99	0.06	35,48,51,52	0
14	CLA	A	815	50/65	0.99	0.07	67,76,99,102	0
14	CLA	H	813	65/65	0.99	0.06	32,38,43,51	0
14	CLA	H	814	65/65	0.99	0.06	31,35,51,53	0
14	CLA	B	812	65/65	0.99	0.05	29,34,45,50	0
17	BCR	G	849	40/40	0.99	0.06	27,34,40,41	0
14	CLA	B	813	65/65	0.99	0.06	39,45,63,67	0
14	CLA	H	817	65/65	0.99	0.07	34,44,65,66	0
17	BCR	H	844	40/40	0.99	0.06	33,44,76,78	0
17	BCR	H	845	25/40	0.99	0.07	23,49,56,59	0
14	CLA	A	816	50/65	0.99	0.07	53,66,69,73	0
13	CL0	A	801	65/65	0.99	0.05	26,30,34,40	0
14	CLA	H	820	45/65	0.99	0.06	46,53,64,71	0
17	BCR	I	101	40/40	0.99	0.04	18,24,29,29	0
14	CLA	A	805	59/65	0.99	0.06	41,47,72,76	0
17	BCR	J	103	40/40	0.99	0.07	45,51,57,59	0
14	CLA	B	817	60/65	0.99	0.05	33,47,49,50	0
17	BCR	L	207	40/40	0.99	0.05	23,26,30,31	0
14	CLA	A	806	65/65	0.99	0.06	39,43,66,69	0
14	CLA	A	807	65/65	0.99	0.06	40,51,61,62	0
13	CL0	G	801	65/65	0.99	0.05	22,24,31,34	0
14	CLA	H	826	65/65	0.99	0.05	28,34,40,43	0
17	BCR	R	101	40/40	0.99	0.04	18,24,30,30	0
17	BCR	R	102	40/40	0.99	0.05	18,25,31,33	0
17	BCR	S	1104	40/40	0.99	0.07	45,48,57,59	0
14	CLA	H	827	65/65	0.99	0.06	29,34,40,43	0
14	CLA	B	821	55/65	0.99	0.06	49,53,71,72	0
17	BCR	U	1005	40/40	0.99	0.06	26,29,37,39	0
14	CLA	B	822	60/65	0.99	0.07	43,51,76,80	0
14	CLA	A	822	65/65	0.99	0.06	32,46,54,57	0
14	CLA	A	809	65/65	0.99	0.06	36,40,57,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
13	CL0	Y	801	65/65	0.99	0.06	37,45,50,55	0
14	CLA	A	825	60/65	0.99	0.06	38,42,54,57	0
14	CLA	B	827	65/65	0.99	0.06	33,37,60,62	0
14	CLA	B	828	65/65	0.99	0.06	29,33,41,44	0
17	BCR	Y	848	40/40	0.99	0.07	41,49,53,53	0
14	CLA	B	829	45/65	0.99	0.05	34,37,41,46	0
14	CLA	B	830	45/65	0.99	0.05	32,36,49,56	0
14	CLA	B	831	65/65	0.99	0.06	30,36,53,58	0
14	CLA	H	839	65/65	0.99	0.05	16,18,25,26	0
14	CLA	H	840	65/65	0.99	0.05	24,28,40,43	0
14	CLA	A	826	65/65	0.99	0.06	40,49,51,53	0
14	CLA	B	833	45/65	0.99	0.06	47,51,54,57	0
14	CLA	A	827	60/65	0.99	0.06	28,33,76,78	0
17	BCR	Z	848	40/40	0.99	0.06	36,56,70,72	0
14	CLA	A	828	65/65	0.99	0.06	38,45,61,69	0
14	CLA	B	836	60/65	0.99	0.06	40,50,57,58	0
14	CLA	L	201	65/65	0.99	0.06	25,30,63,64	0
17	BCR	f	103	40/40	0.99	0.07	56,64,70,72	0
14	CLA	L	202	65/65	0.99	0.04	18,20,35,36	0
17	BCR	h	207	40/40	0.99	0.06	23,29,37,39	0
14	CLA	B	837	65/65	0.99	0.05	38,45,61,66	0
14	CLA	L	205	65/65	0.99	0.05	25,29,46,51	0
18	LHG	A	853	32/49	0.99	0.06	37,43,56,57	0
14	CLA	L	206	65/65	0.99	0.05	23,26,52,54	0
18	LHG	G	850	49/49	0.99	0.07	30,44,50,51	0
18	LHG	G	851	32/49	0.99	0.07	46,51,70,73	0
14	CLA	B	838	45/65	0.99	0.05	40,47,54,57	0
18	LHG	Y	850	49/49	0.99	0.06	38,42,50,55	0
18	LHG	Y	851	25/49	0.99	0.04	40,45,49,50	0
14	CLA	B	839	65/65	0.99	0.04	18,20,24,26	0
14	CLA	B	840	65/65	0.99	0.05	21,25,32,37	0
14	CLA	F	202	45/65	0.99	0.05	41,56,59,64	0
14	CLA	G	802	65/65	0.99	0.06	27,41,46,48	0
20	CA	L	203	1/1	0.99	0.03	55,55,55,55	0
20	CA	U	1001	1/1	0.99	0.03	37,37,37,37	0
20	CA	h	203	1/1	0.99	0.05	65,65,65,65	0
16	SF4	C	102	8/8	1.00	0.03	37,42,47,52	0
16	SF4	A	845	8/8	1.00	0.02	36,38,41,43	0
16	SF4	N	101	8/8	1.00	0.03	40,44,49,51	0
16	SF4	N	102	8/8	1.00	0.02	46,50,57,57	0
16	SF4	Y	843	8/8	1.00	0.03	48,51,57,61	0
16	SF4	a	101	8/8	1.00	0.02	42,44,45,46	0

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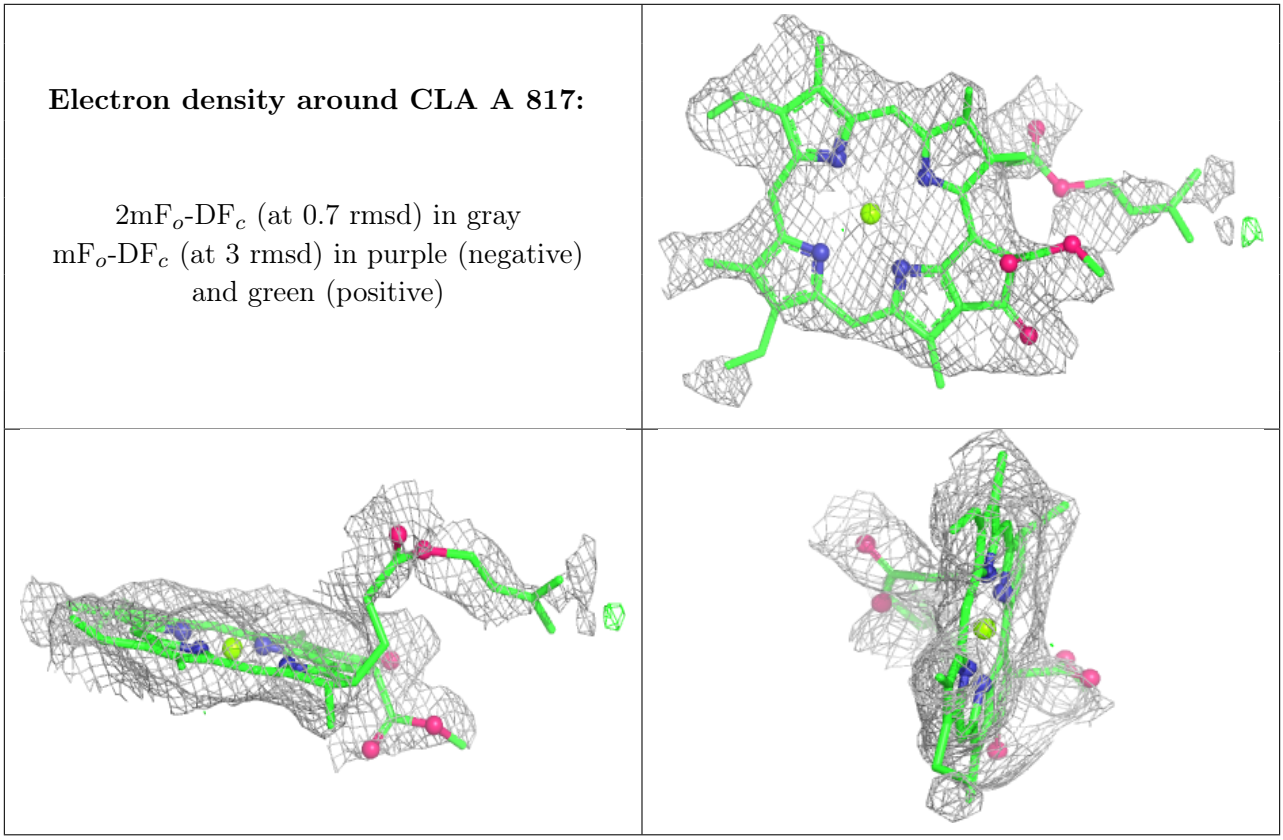
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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
16	SF4	a	102	8/8	1.00	0.02	41,44,46,48	0
16	SF4	C	101	8/8	1.00	0.01	31,33,34,36	0

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.

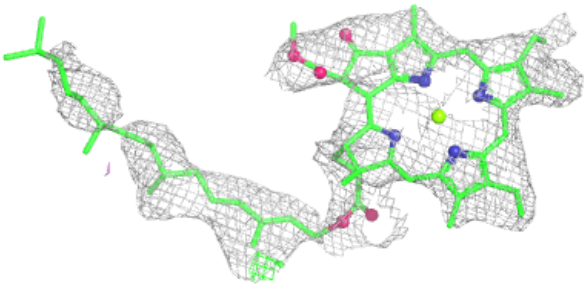
Electron density around CLA A 817:

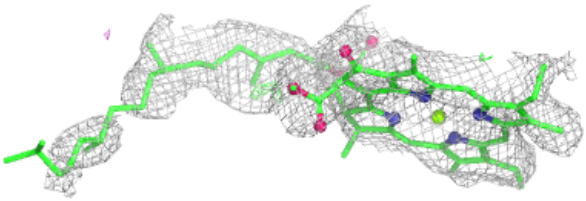
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

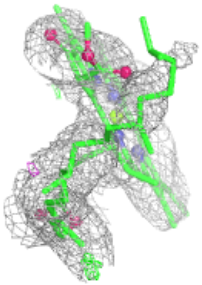


Electron density around CLA A 823:

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

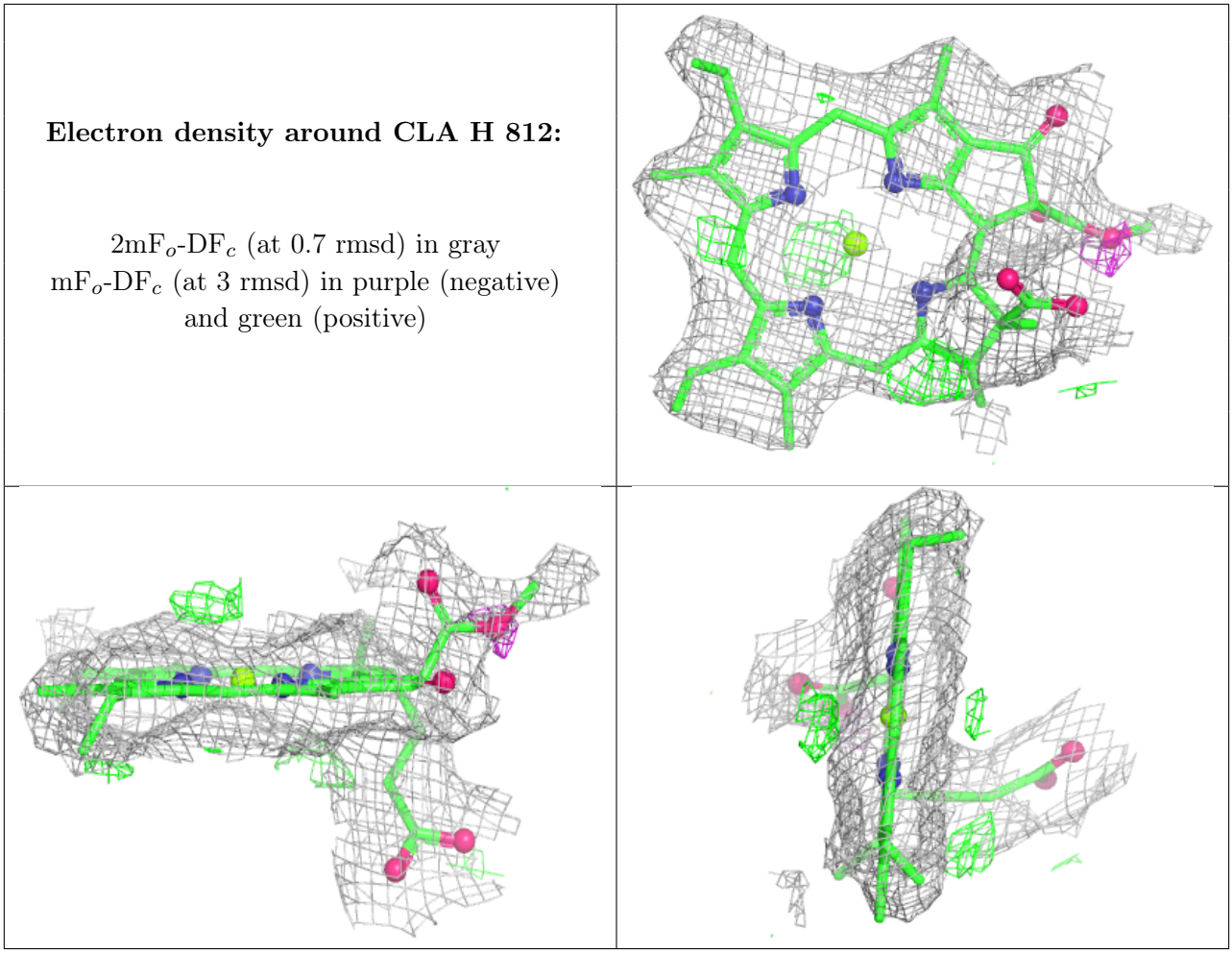






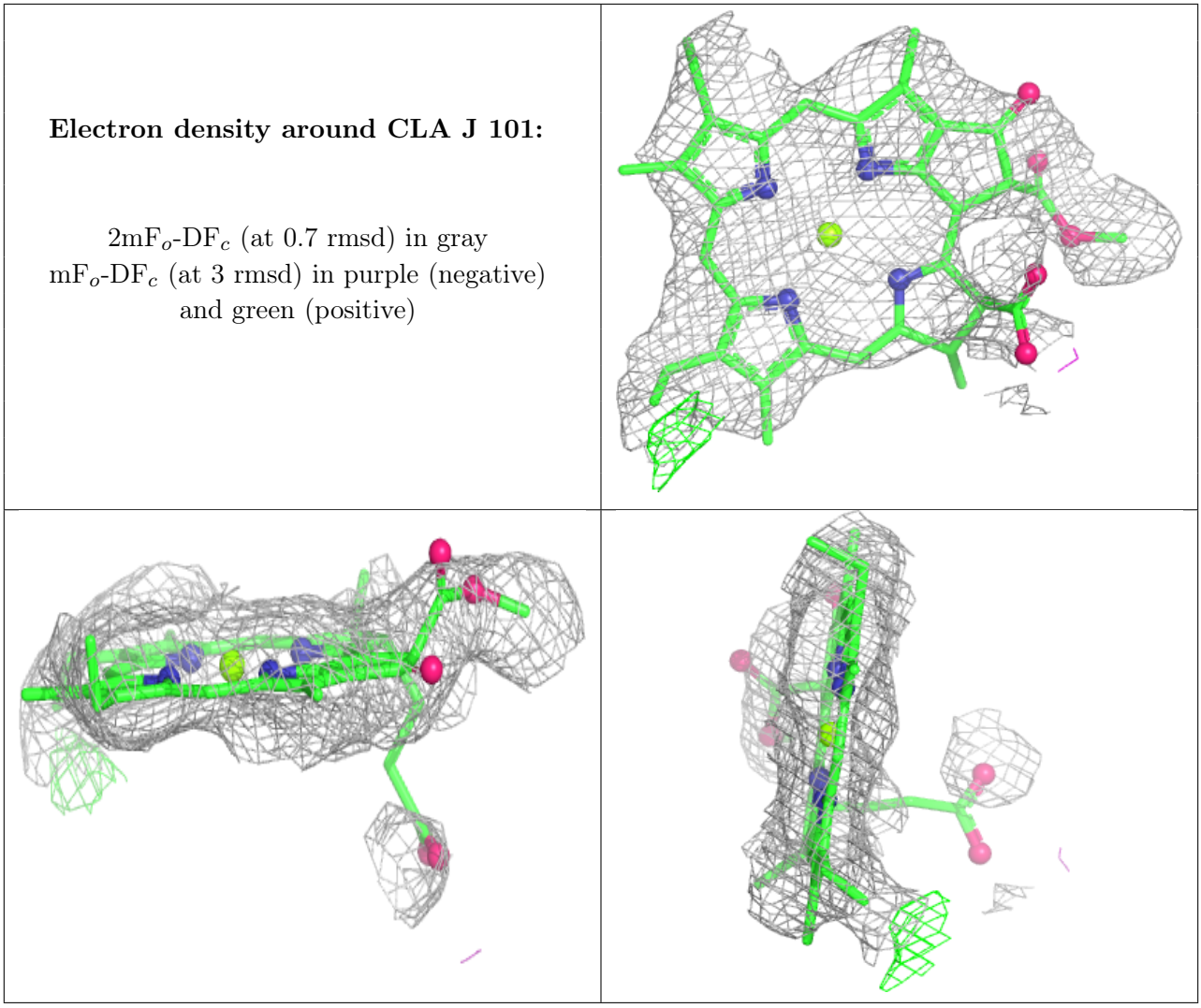
Electron density around CLA H 812:

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



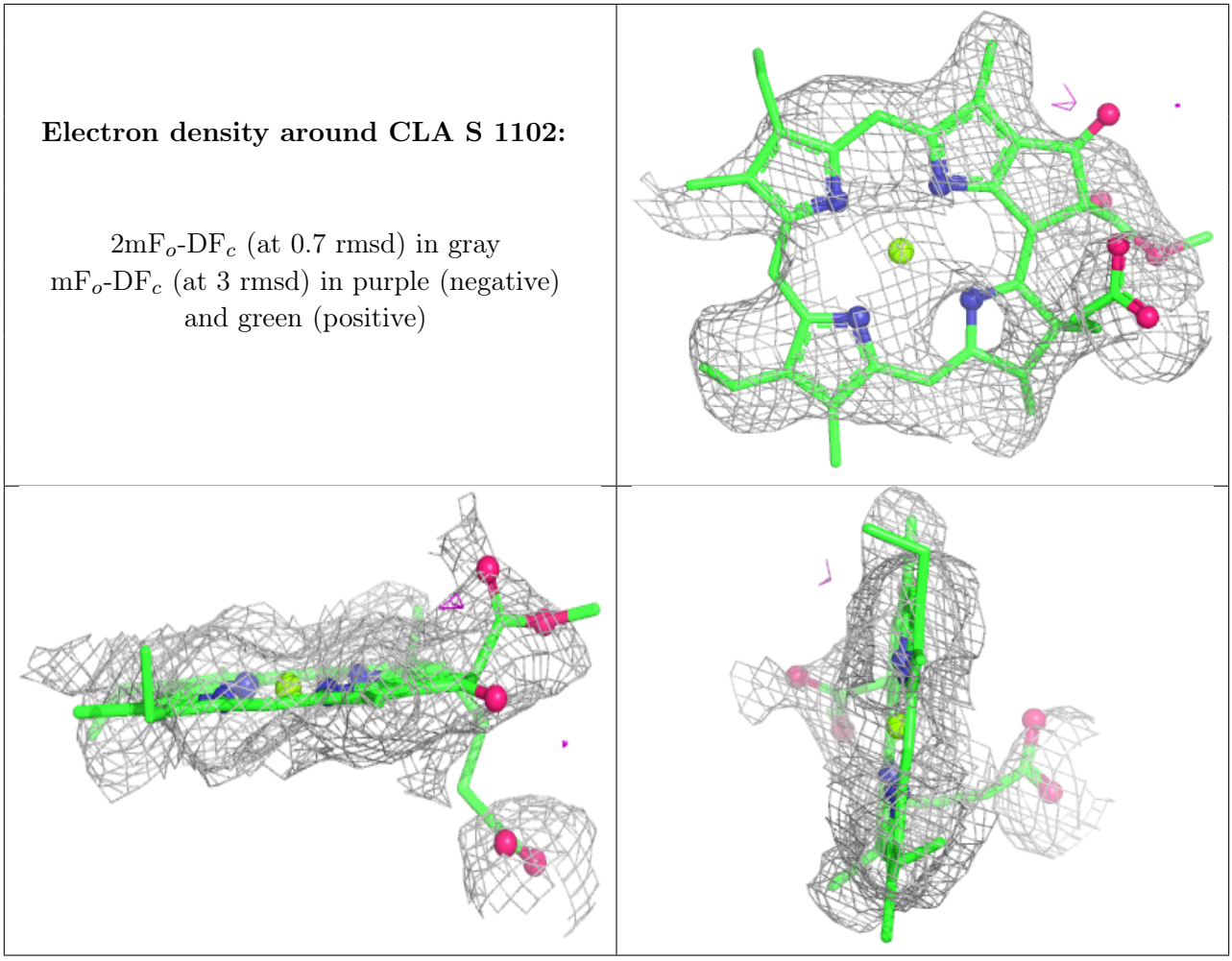
Electron density around CLA J 101:

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



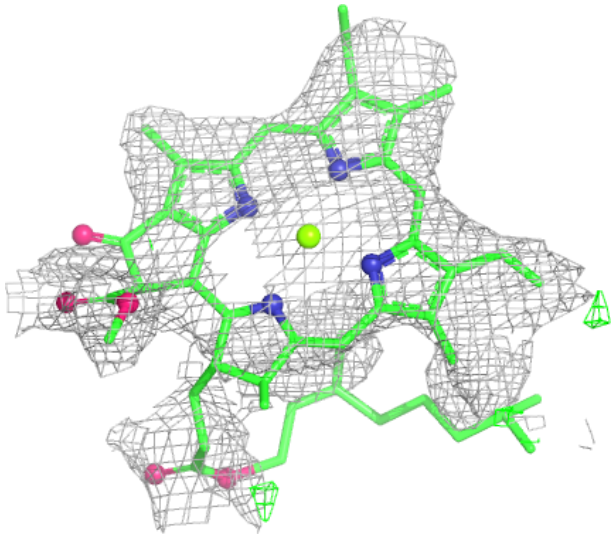
Electron density around CLA S 1102:

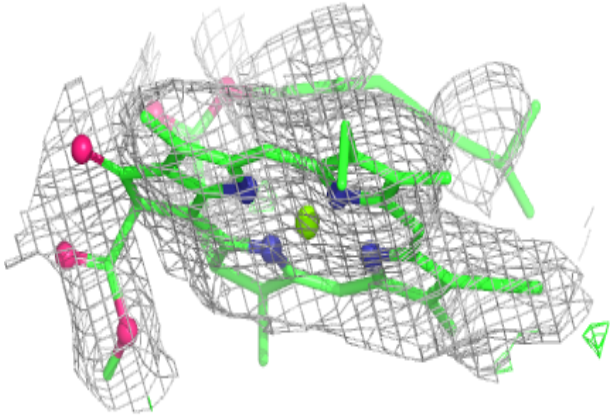
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

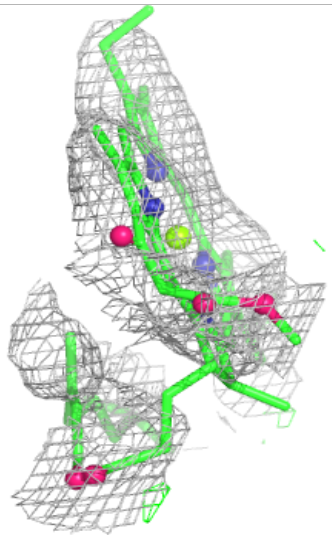


Electron density around CLA S 1103:

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

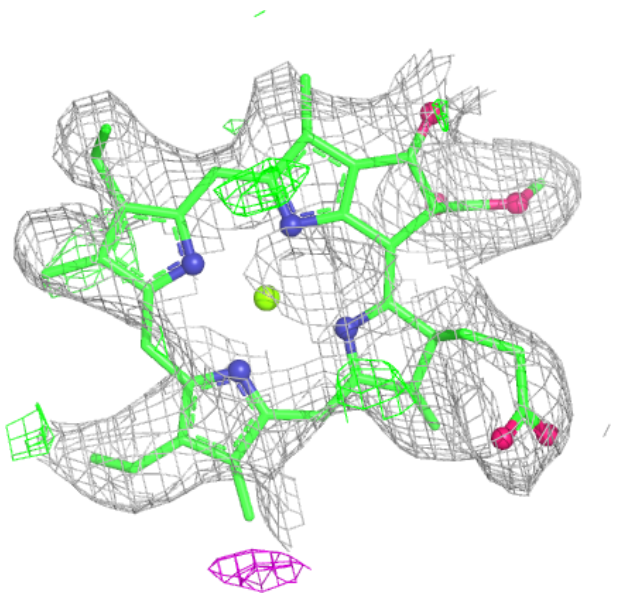


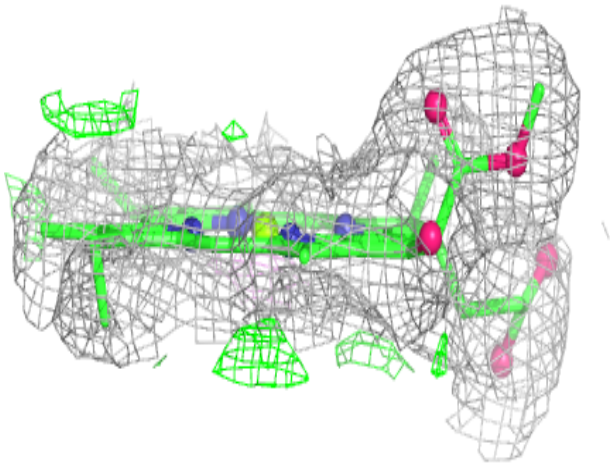




Electron density around CLA W 1701:

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

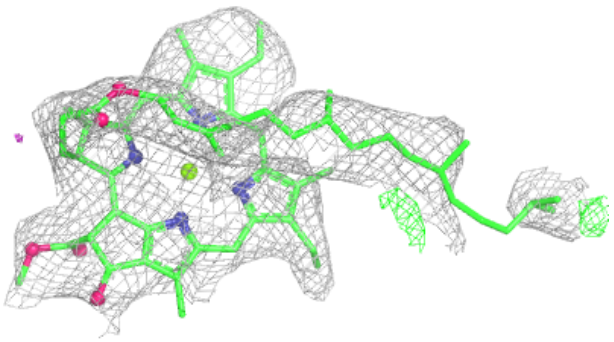


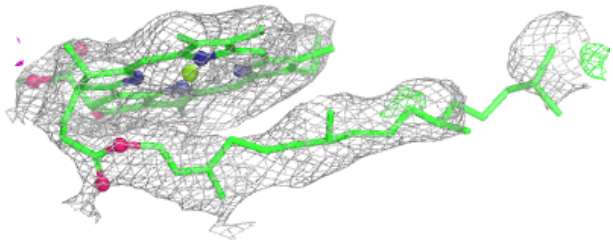


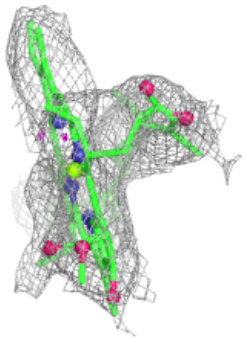


Electron density around CLA Y 818:

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

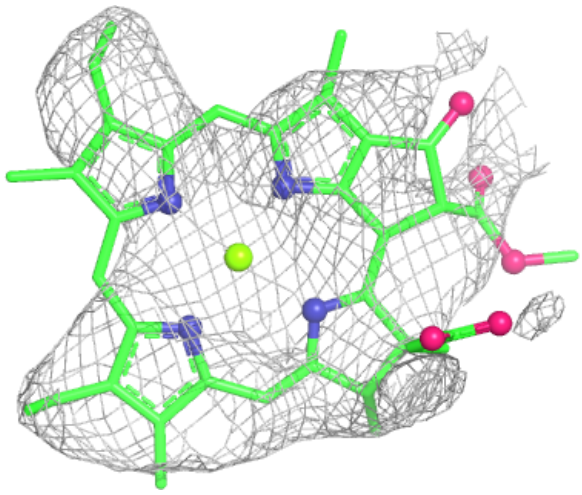


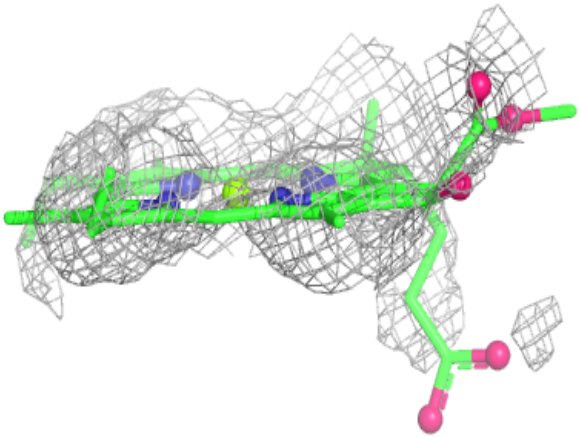


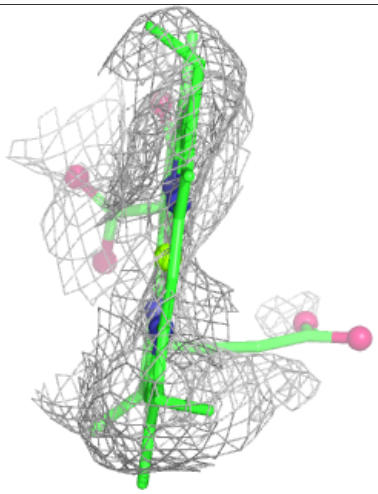


Electron density around CLA f 101:

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

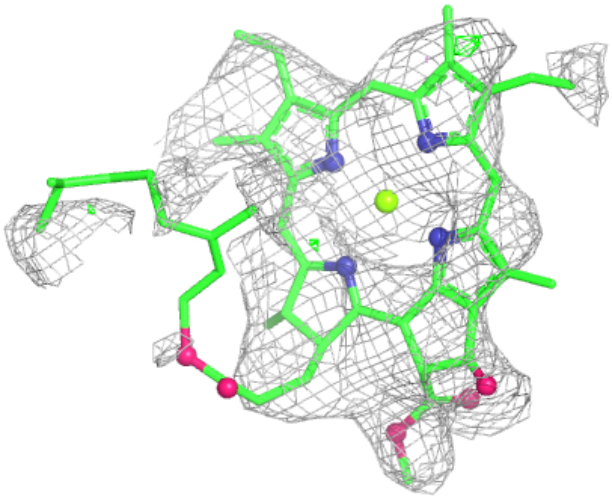


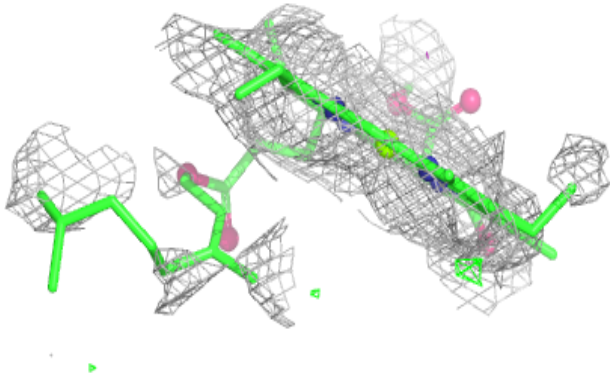




Electron density around CLA f 102:

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

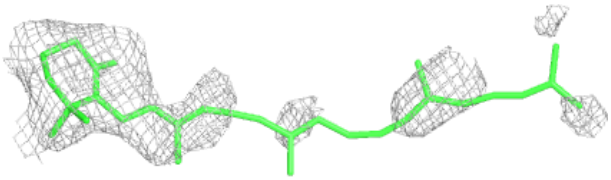


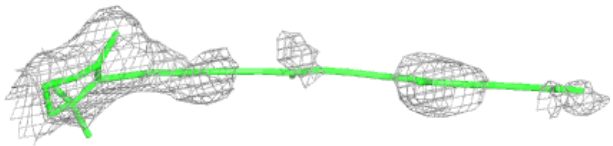


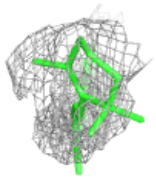


Electron density around BCR B 842:

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

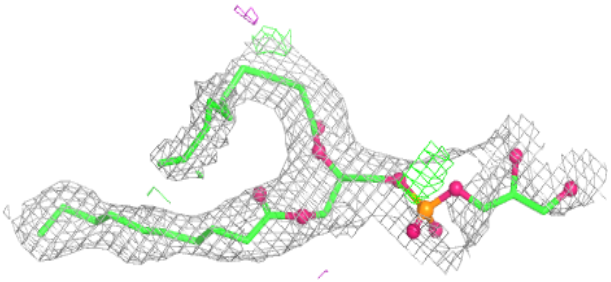


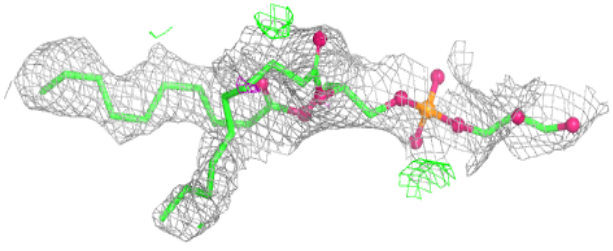


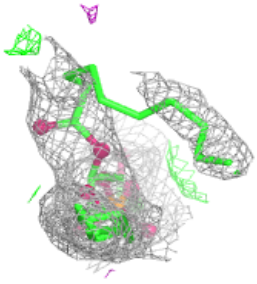


Electron density around LHG H 849:

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

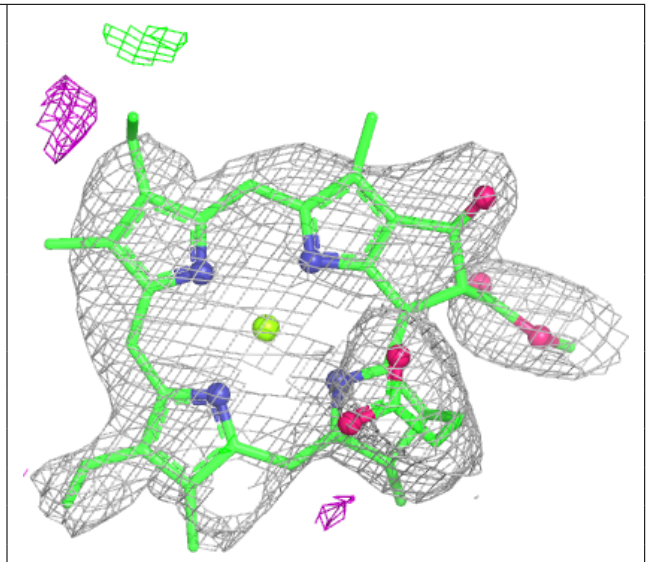


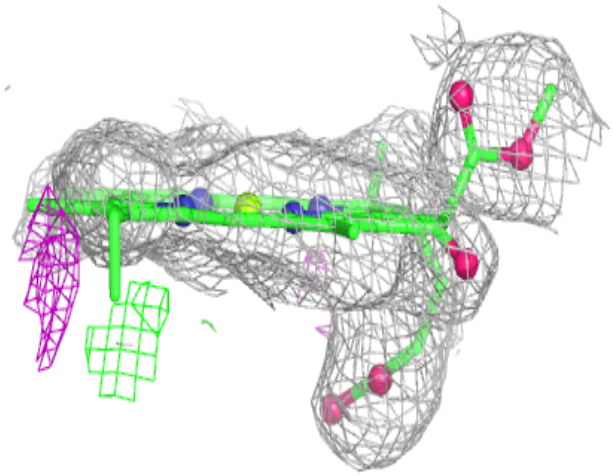


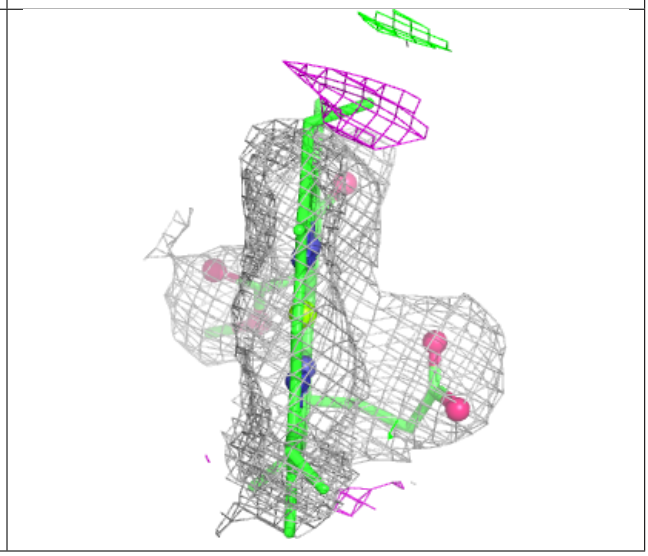


Electron density around CLA A 835:

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

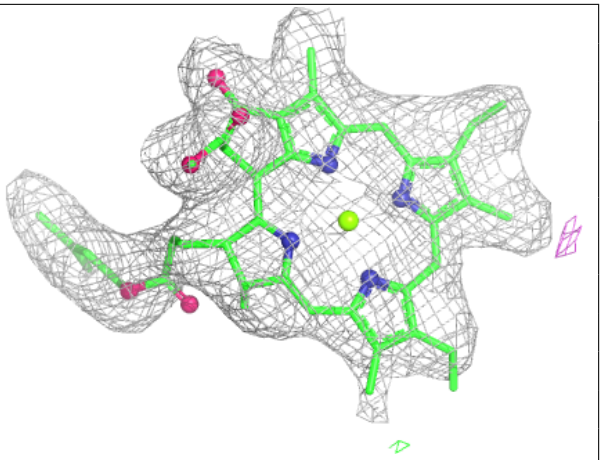


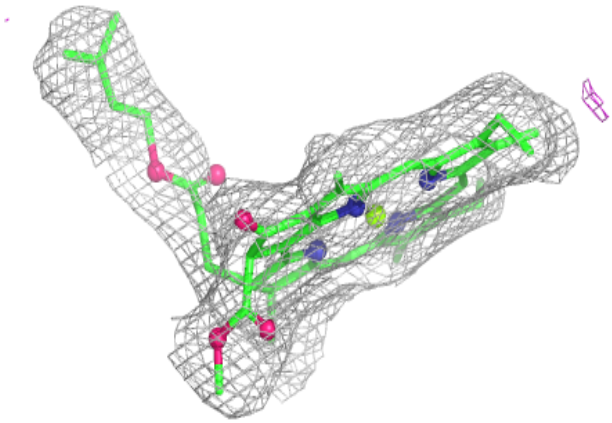


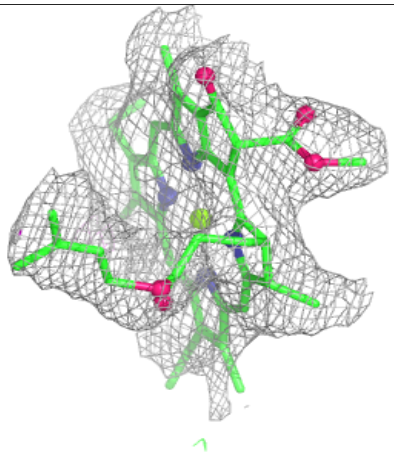


Electron density around CLA A 838:

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

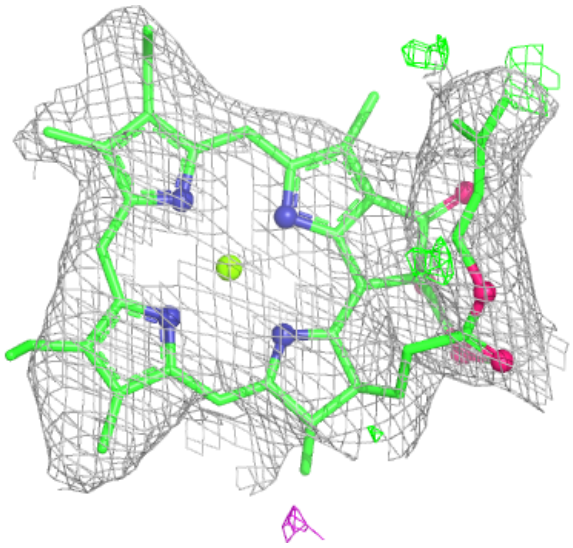


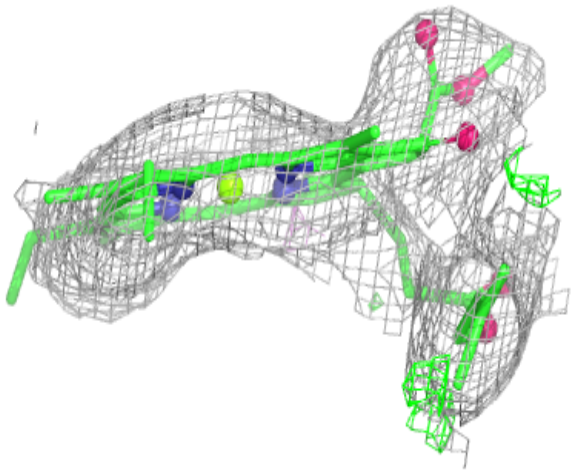


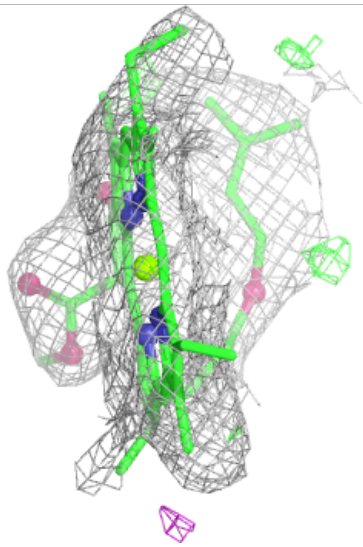


Electron density around CLA A 843:

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

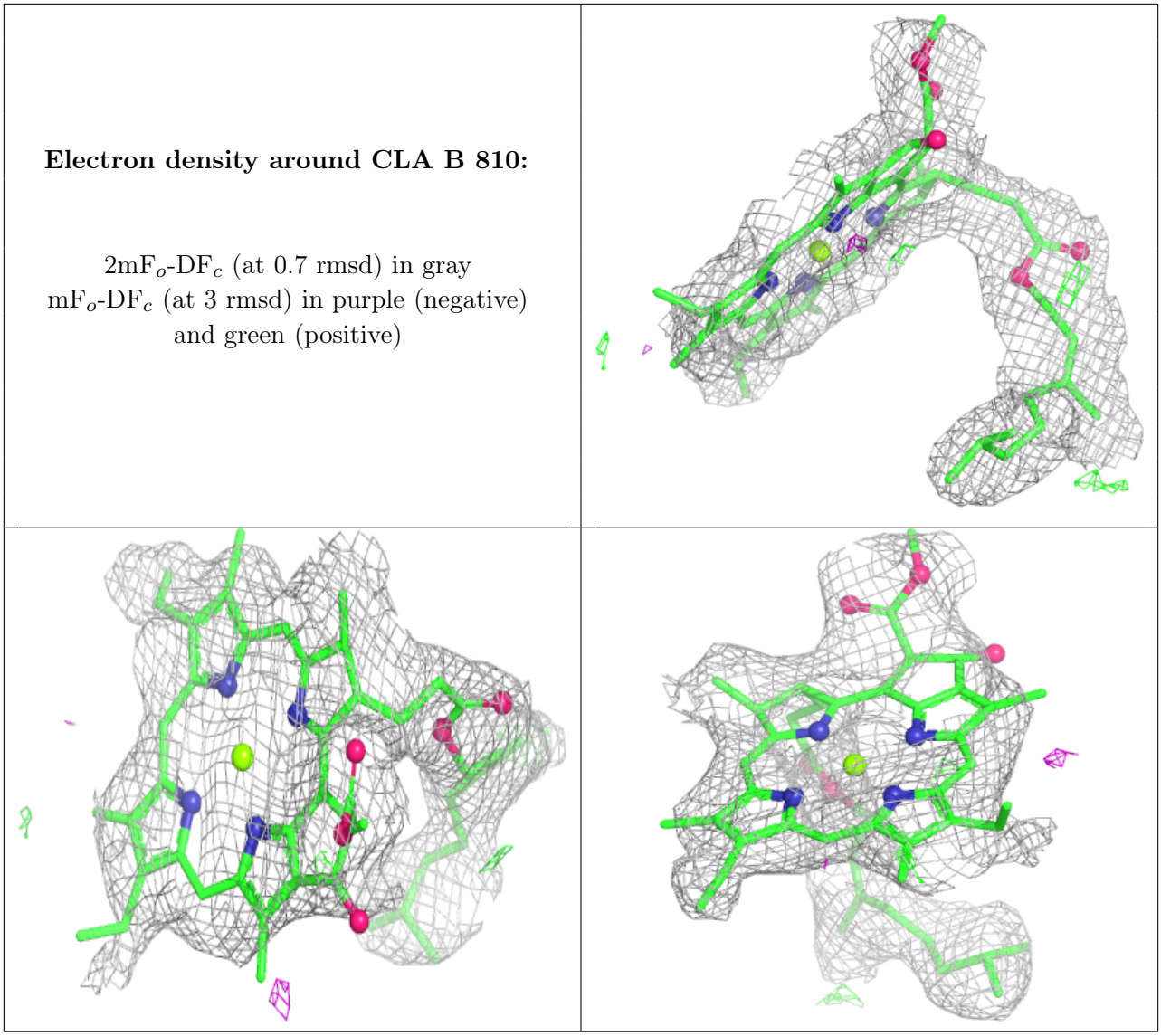






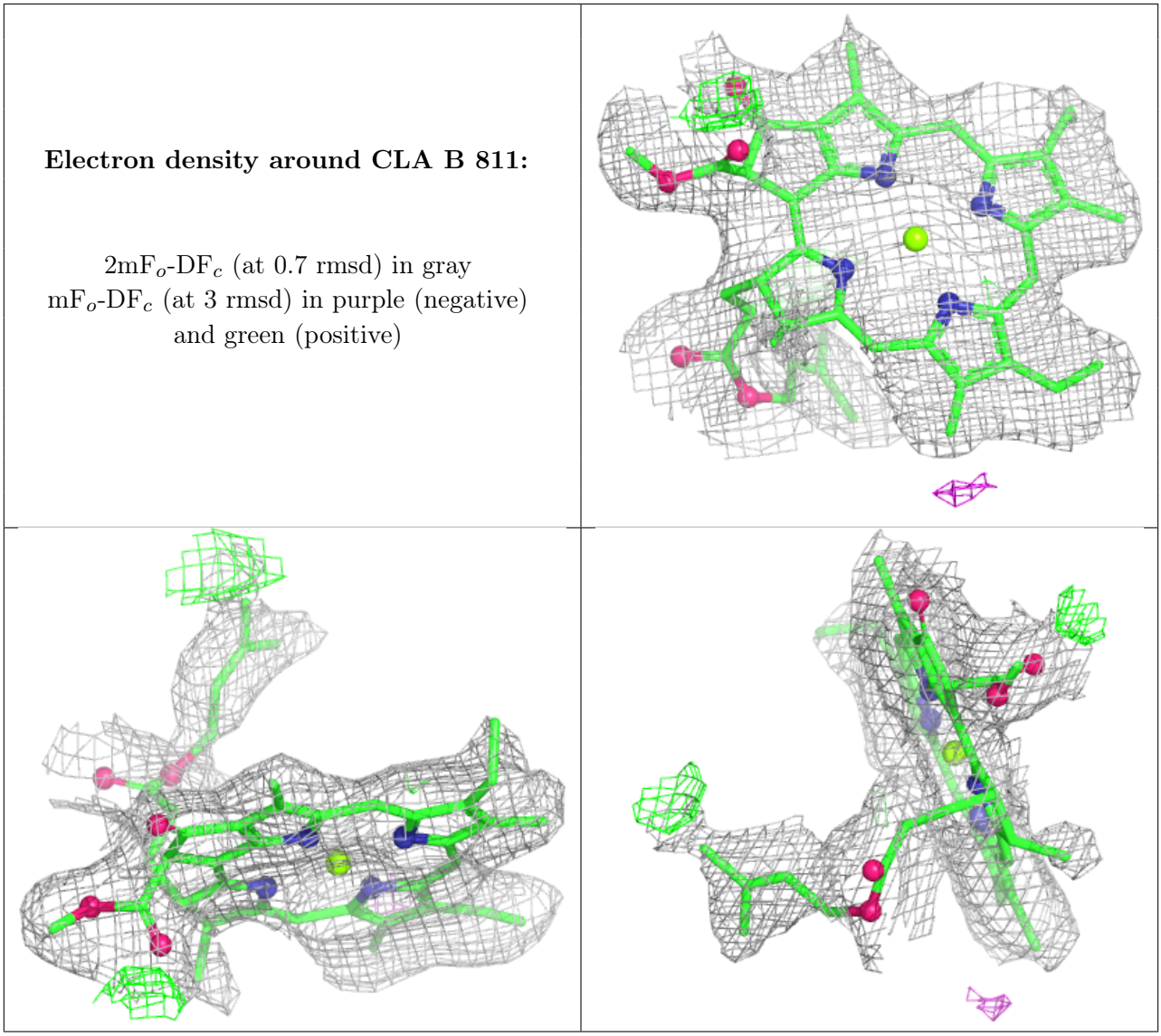
Electron density around CLA B 810:

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



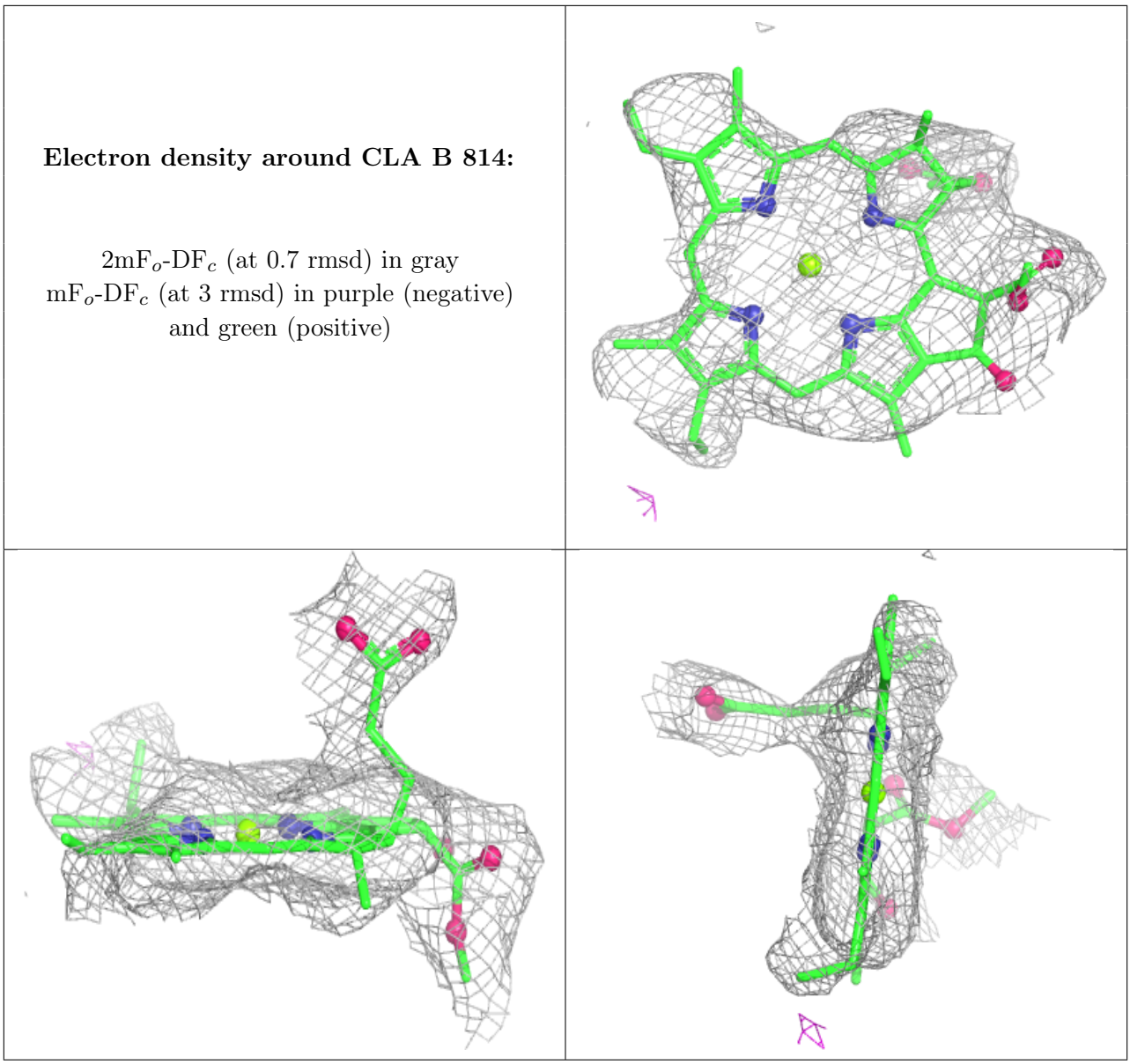
Electron density around CLA B 811:

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



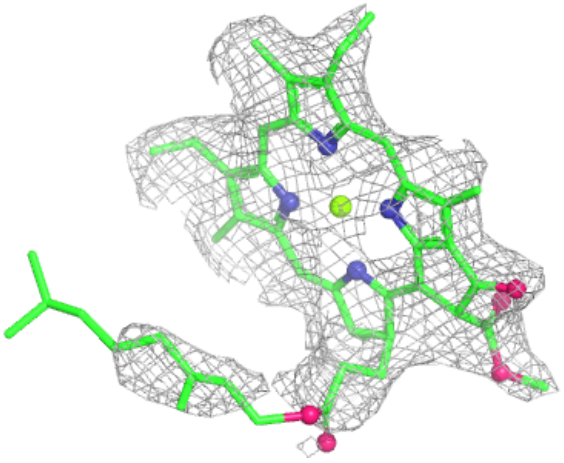
Electron density around CLA B 814:

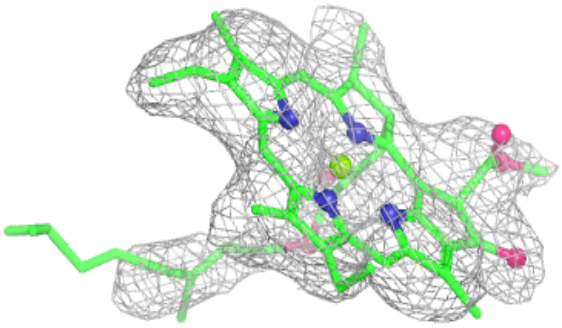
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

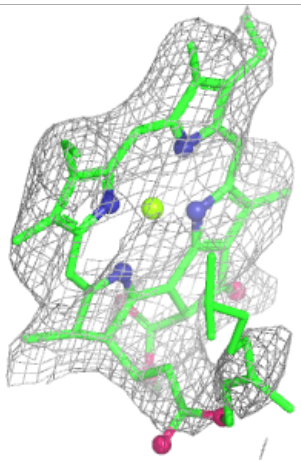


Electron density around CLA B 815:

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

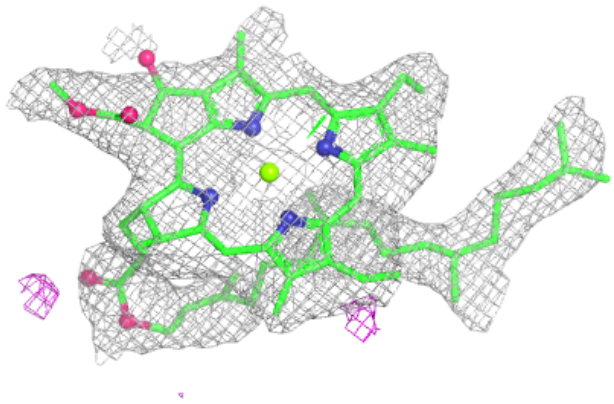


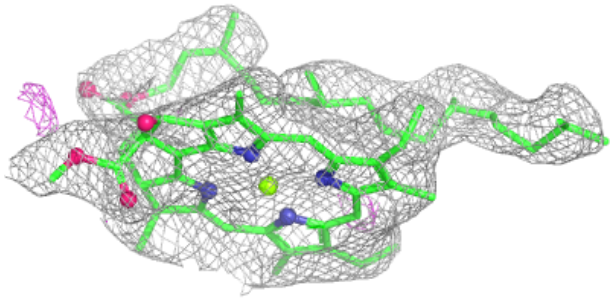


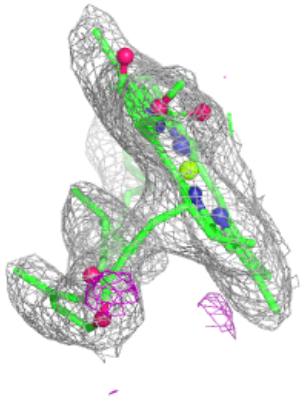


Electron density around CLA B 816:

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

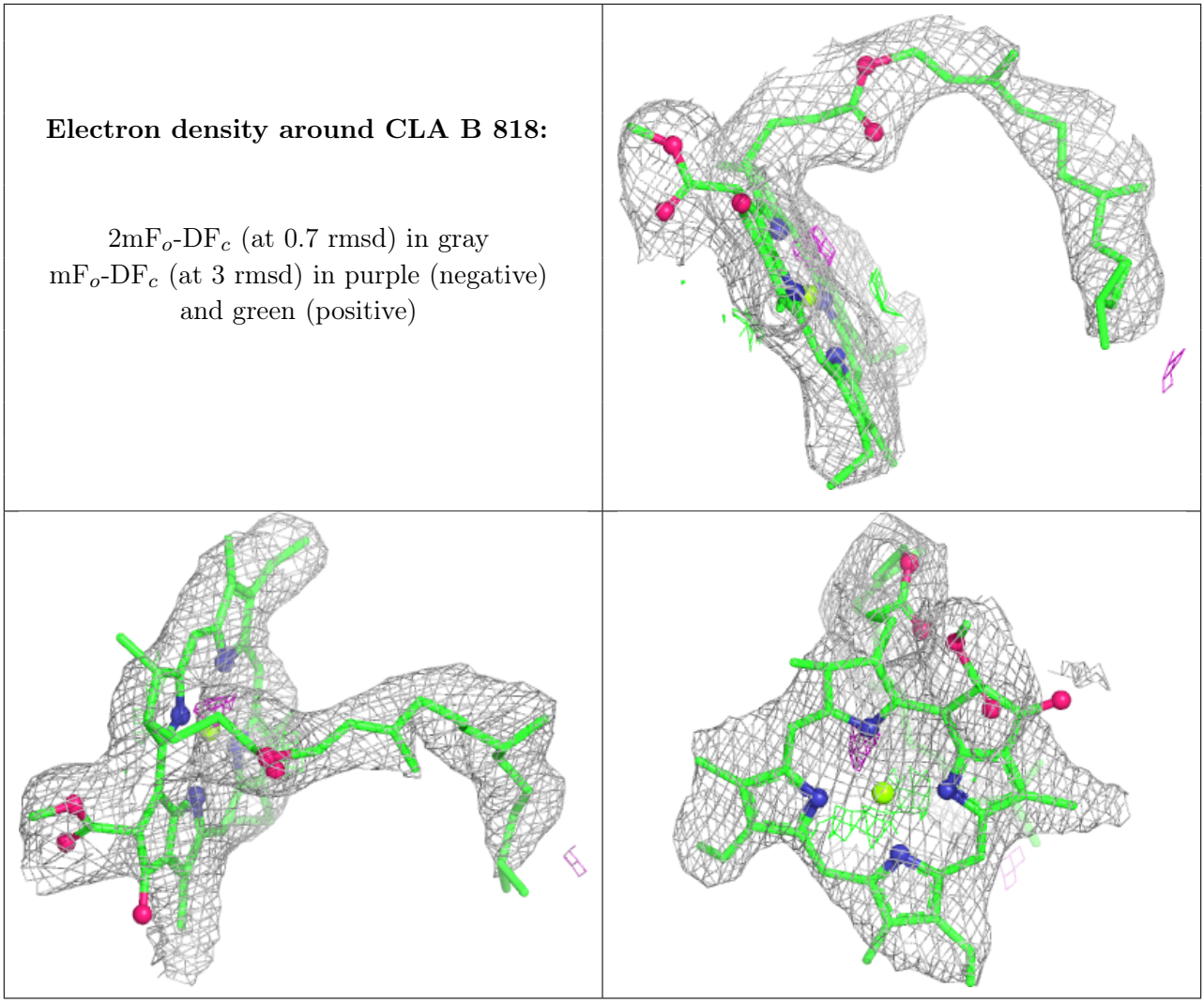






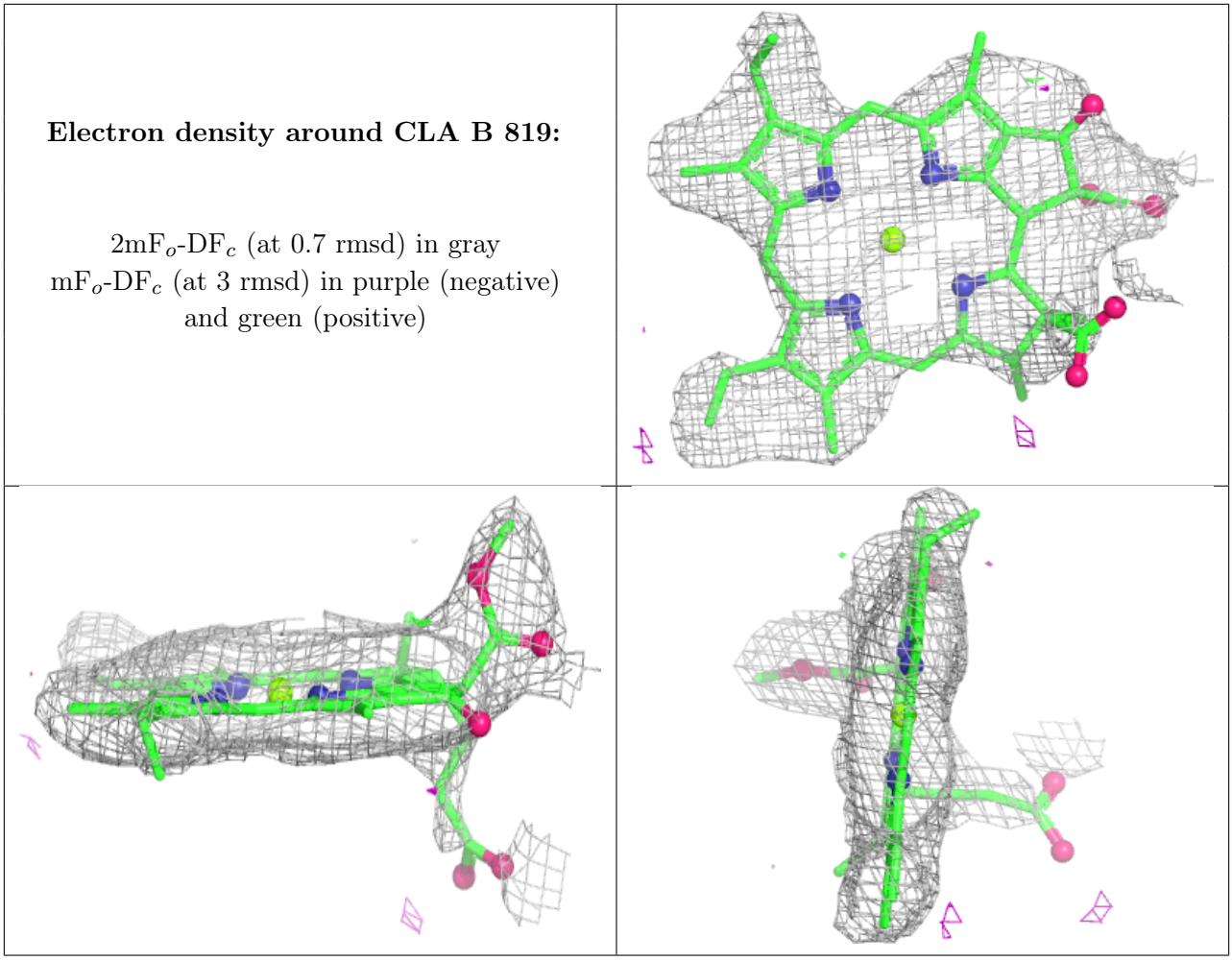
Electron density around CLA B 818:

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



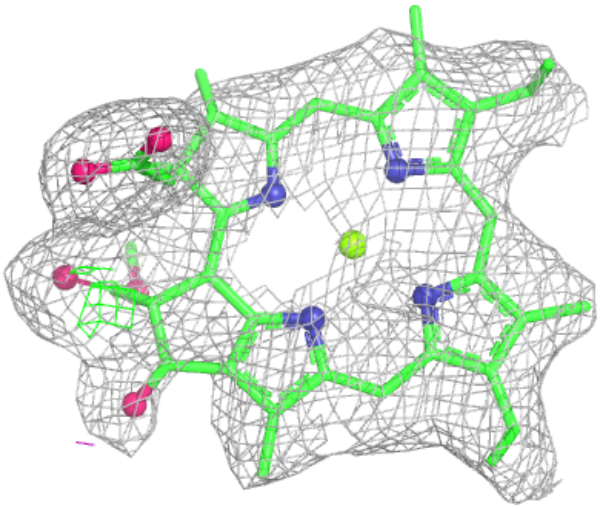
Electron density around CLA B 819:

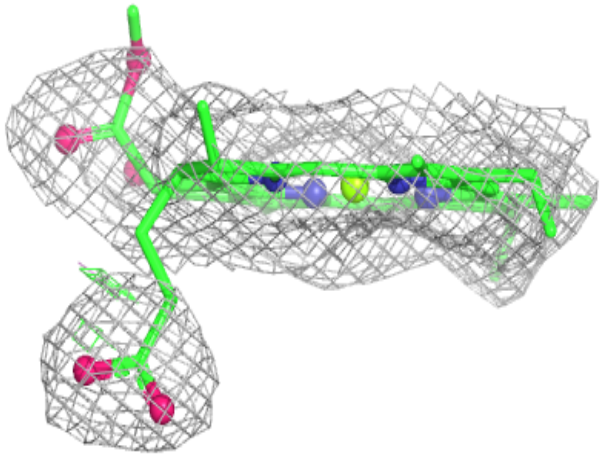
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

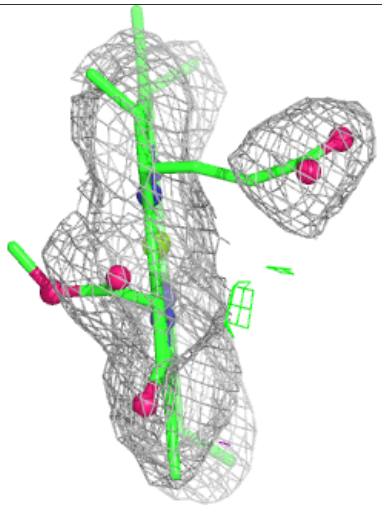


Electron density around CLA B 820:

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

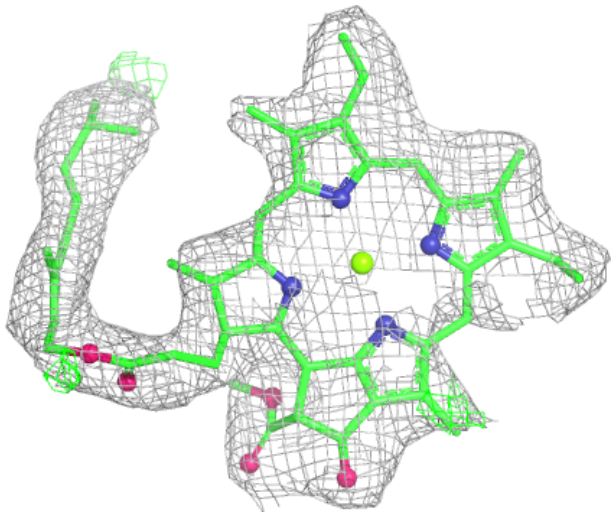


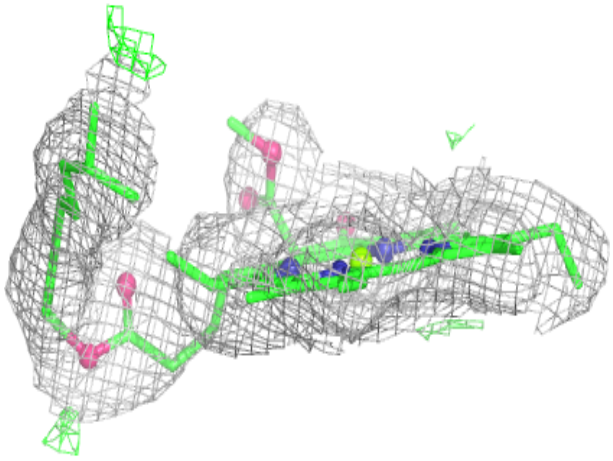


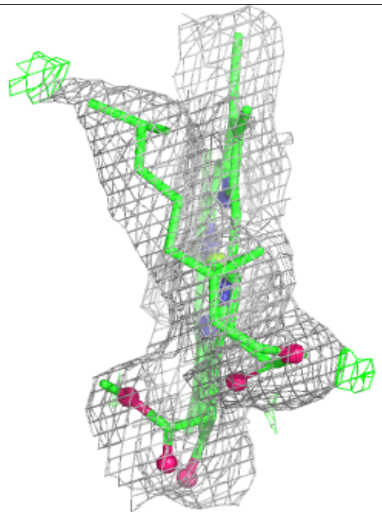


Electron density around CLA B 823:

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

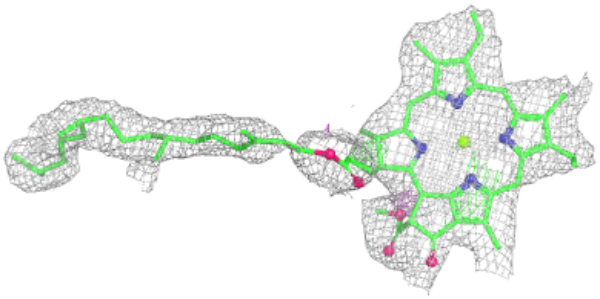


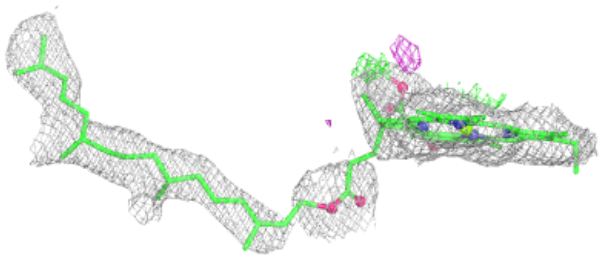


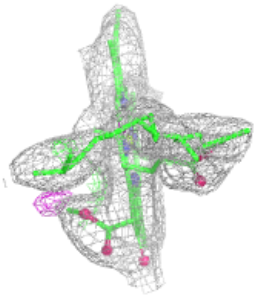


Electron density around CLA B 824:

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

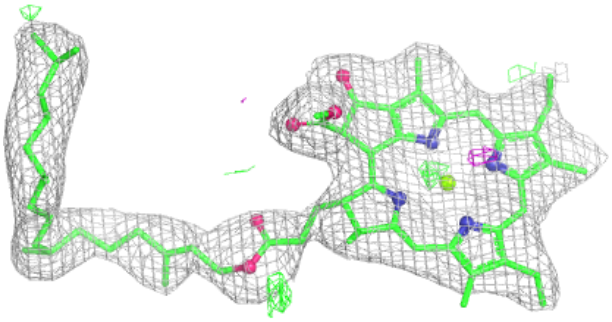


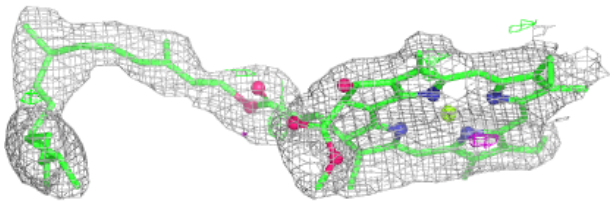


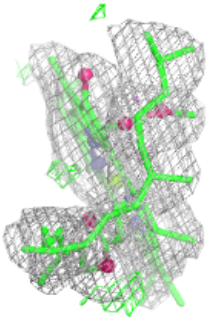


Electron density around CLA B 825:

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

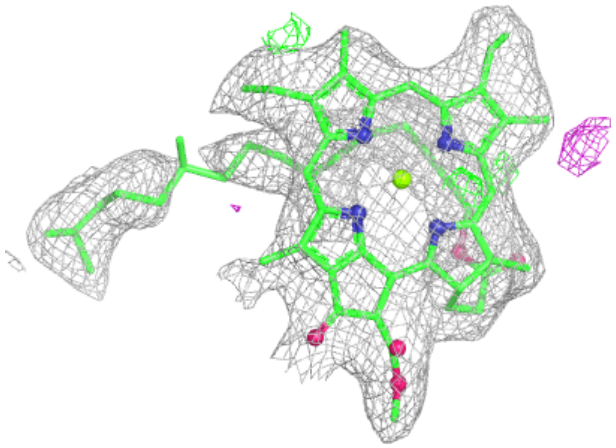


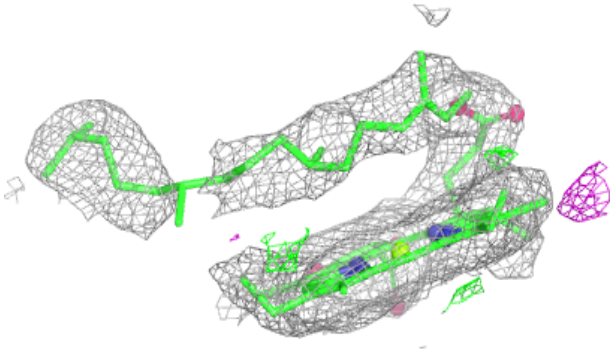


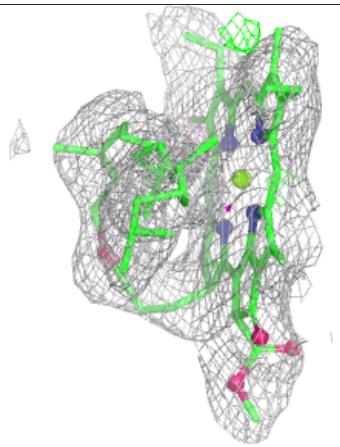


Electron density around CLA B 826:

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

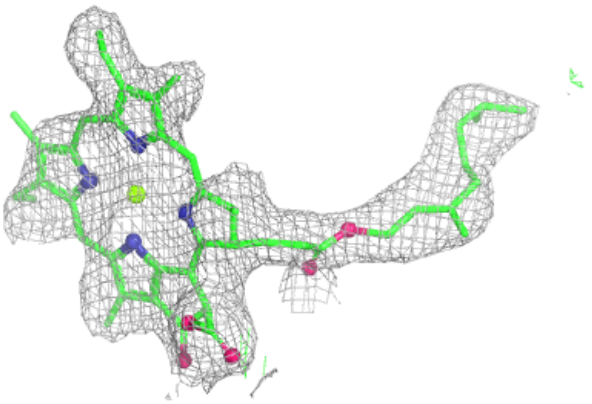


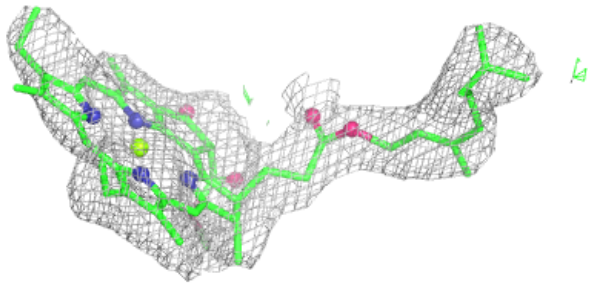


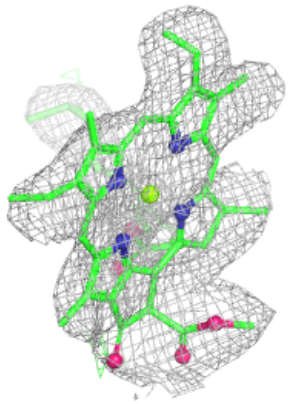


Electron density around CLA B 832:

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

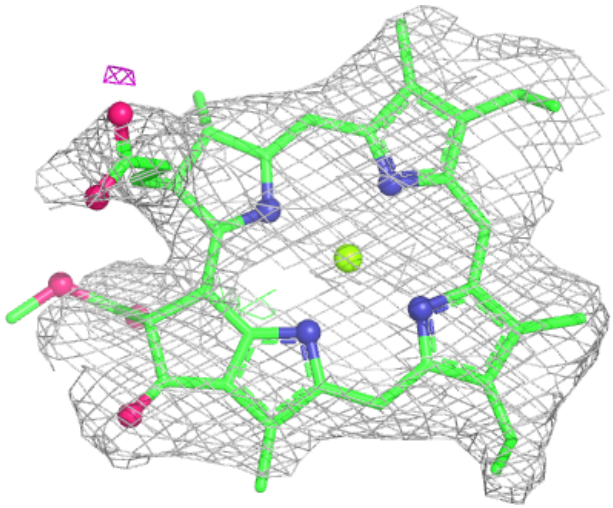


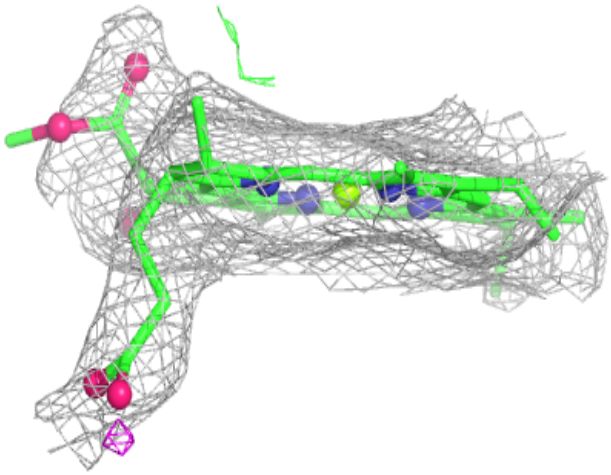


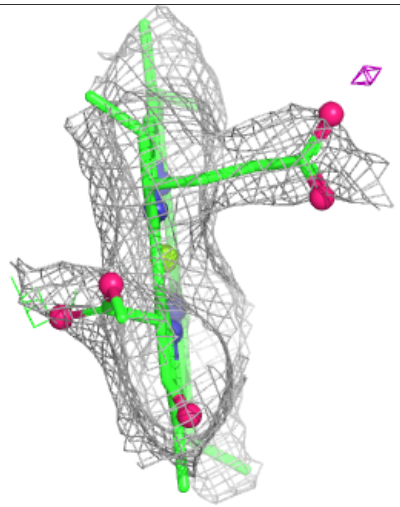


Electron density around CLA B 834:

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

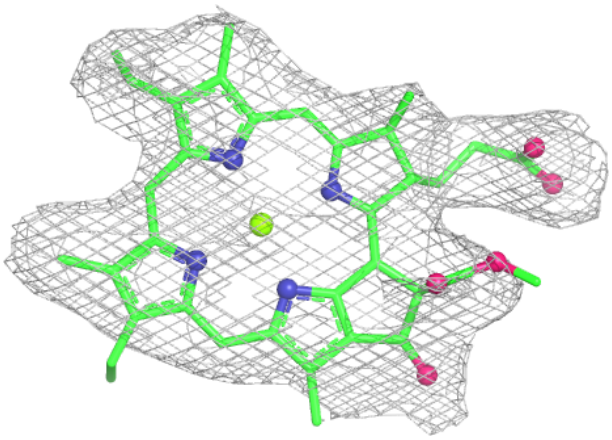


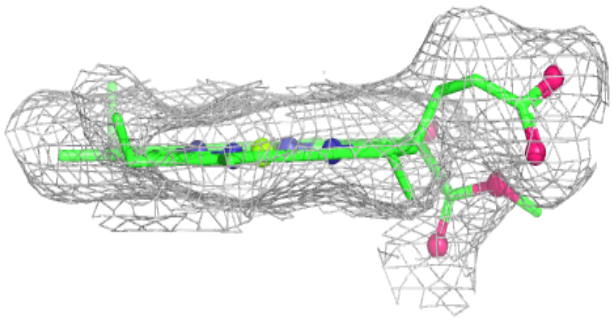


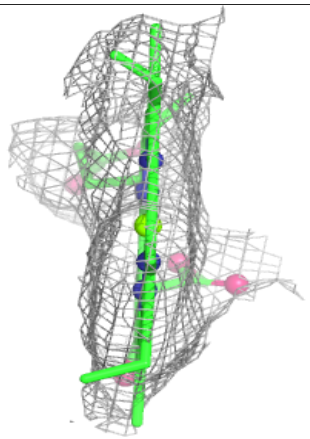


Electron density around CLA B 835:

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

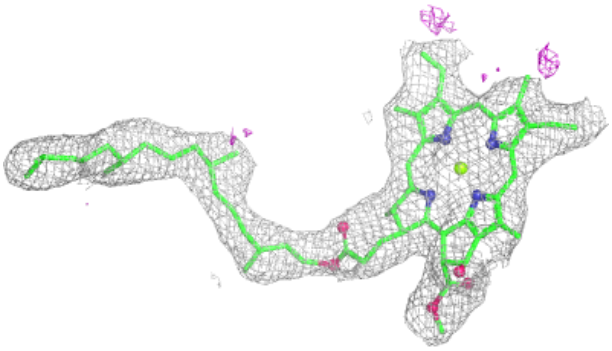


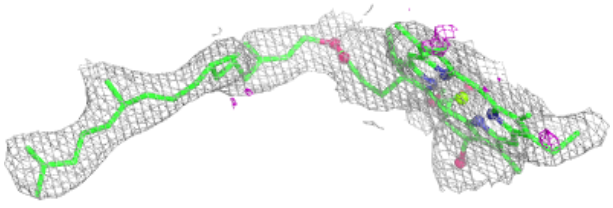


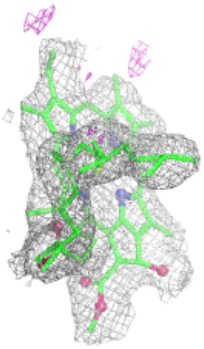


Electron density around CLA G 803:

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

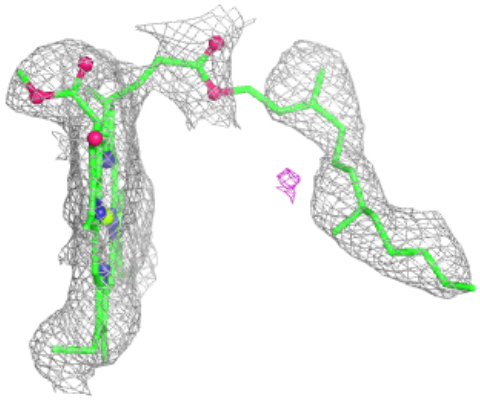


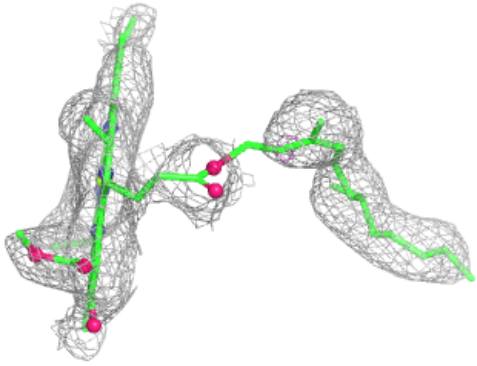


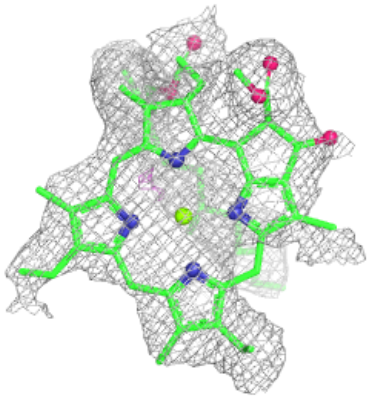


Electron density around CLA G 804:

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

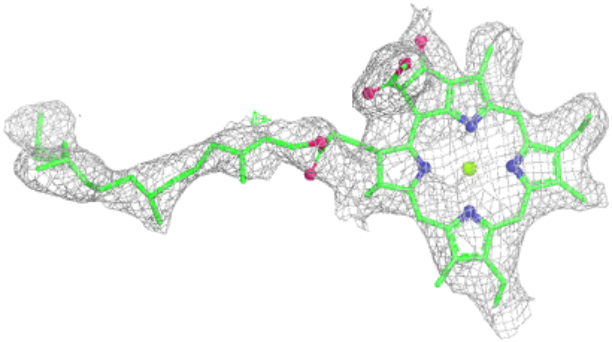


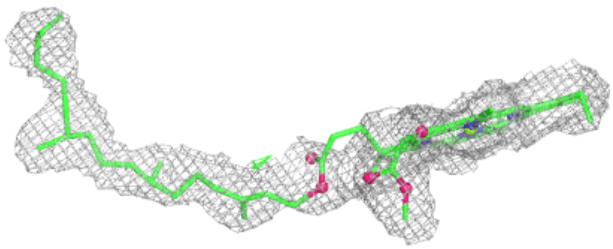


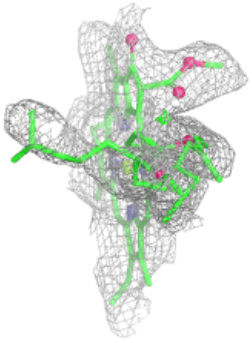


Electron density around CLA G 805:

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

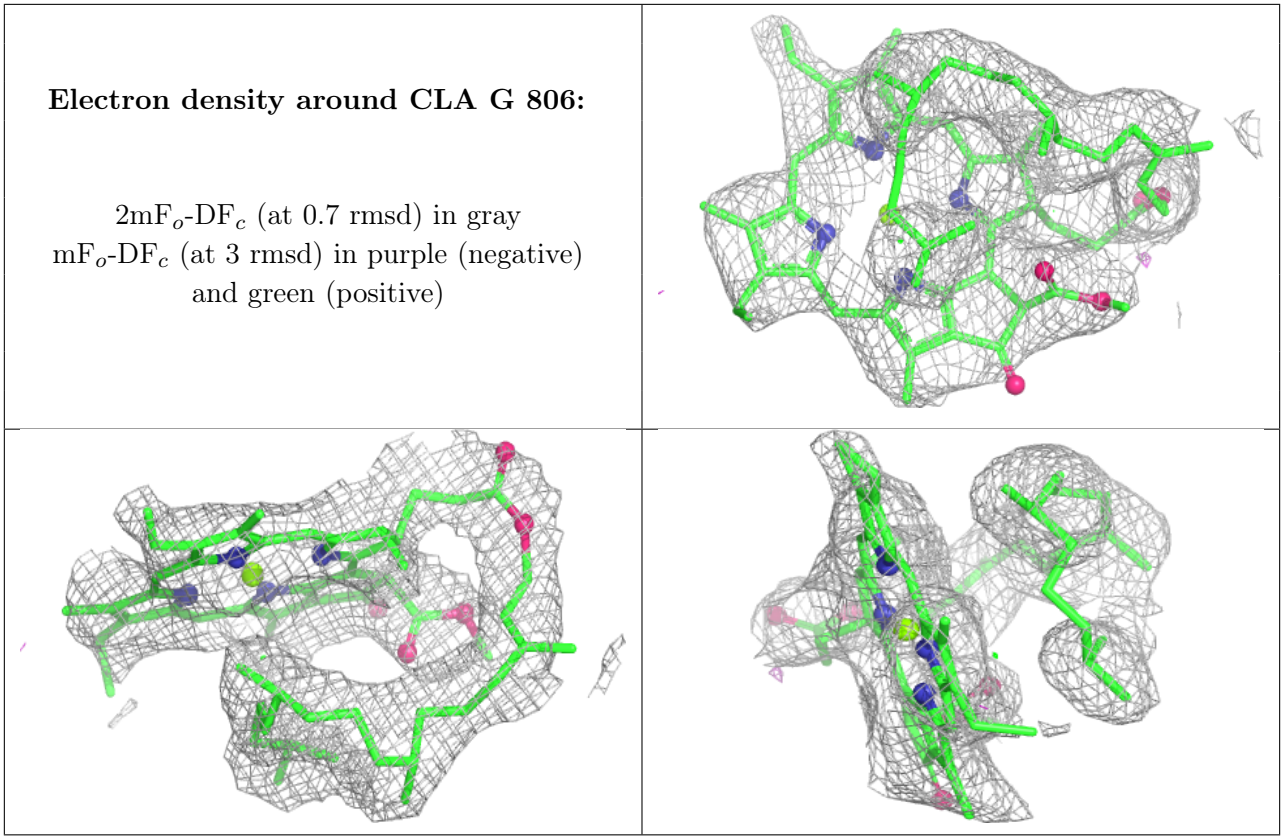






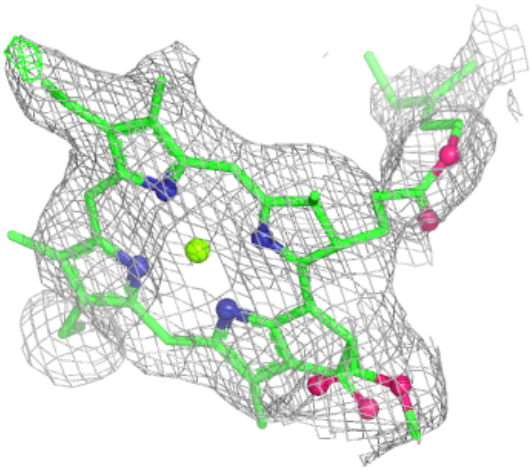
Electron density around CLA G 806:

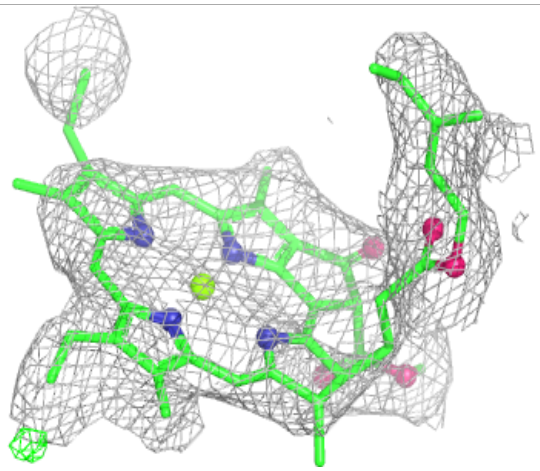
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

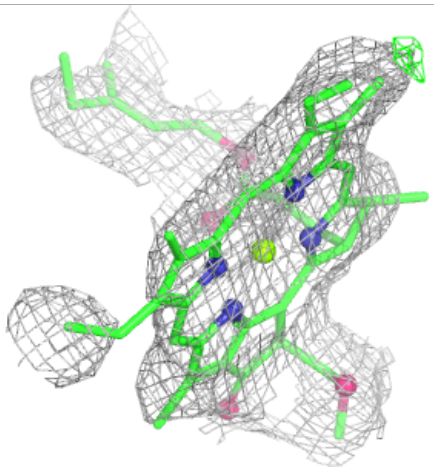


Electron density around CLA G 807:

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

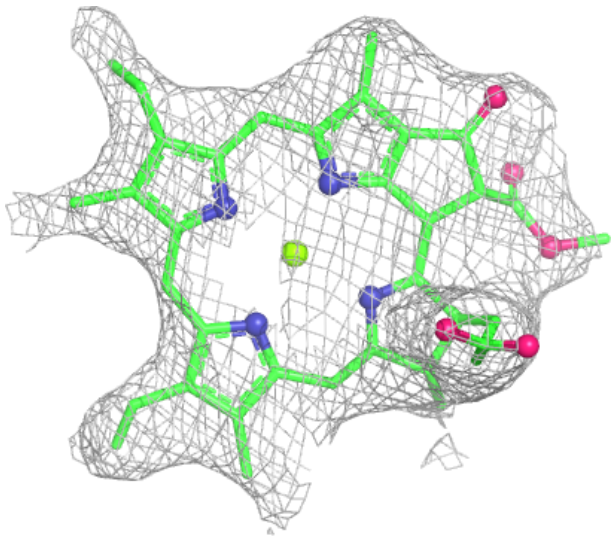


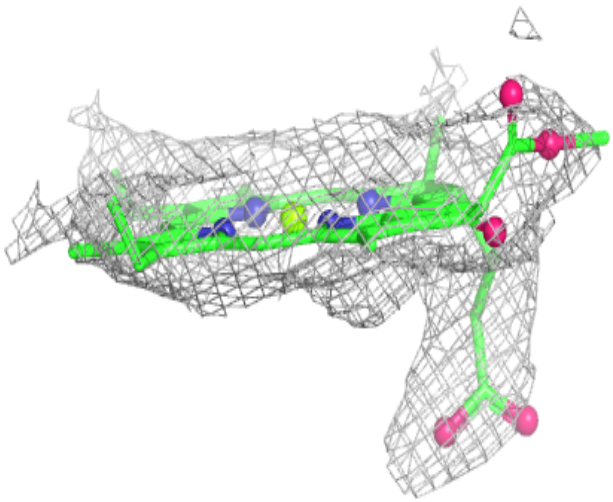


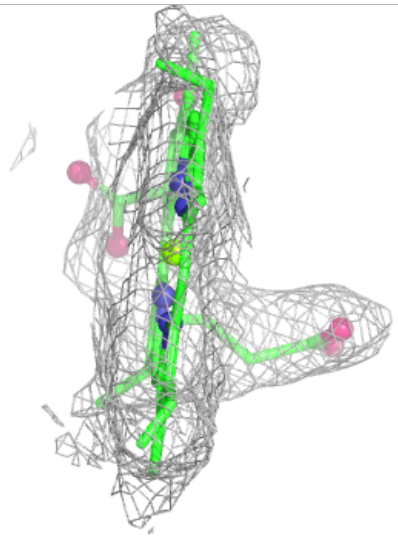


Electron density around CLA G 810:

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

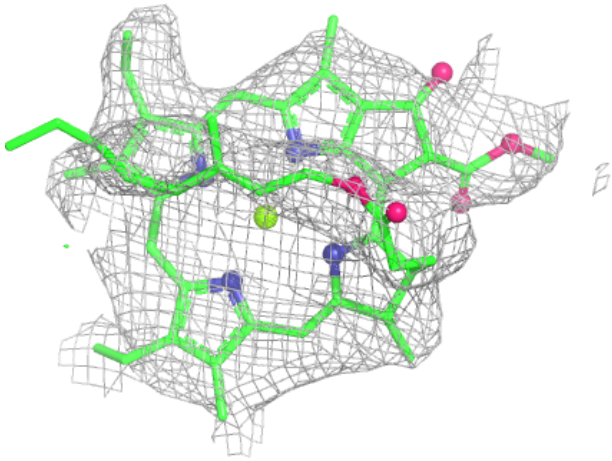


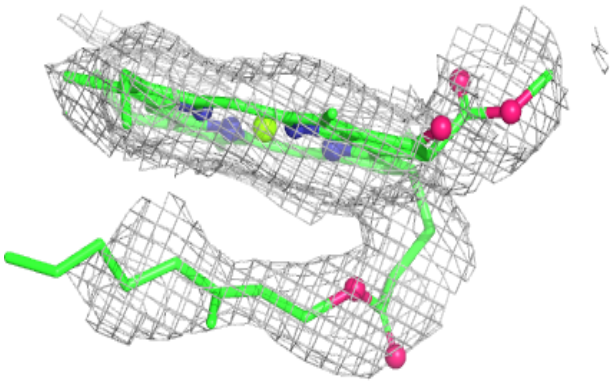


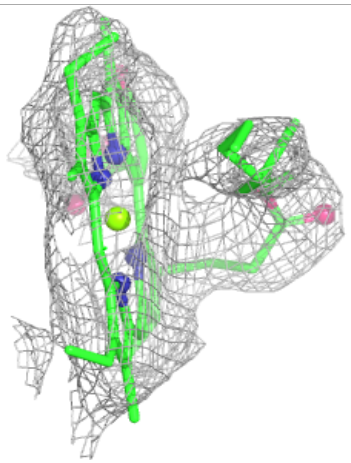


Electron density around CLA G 812:

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

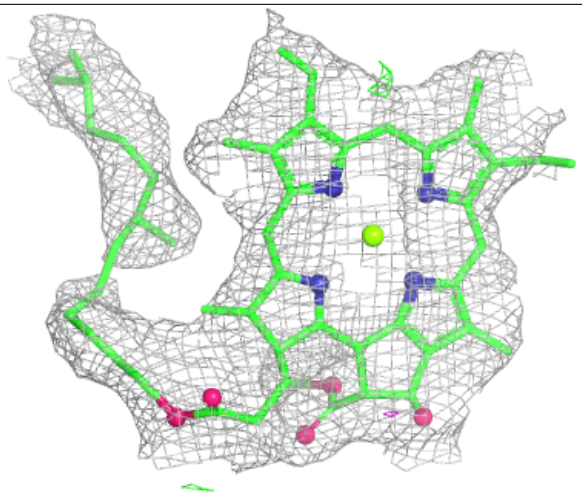


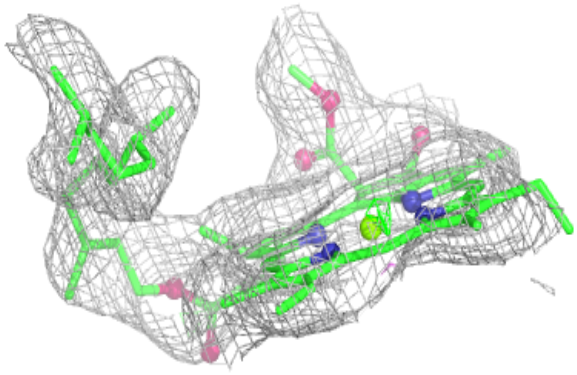




Electron density around CLA G 813:

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

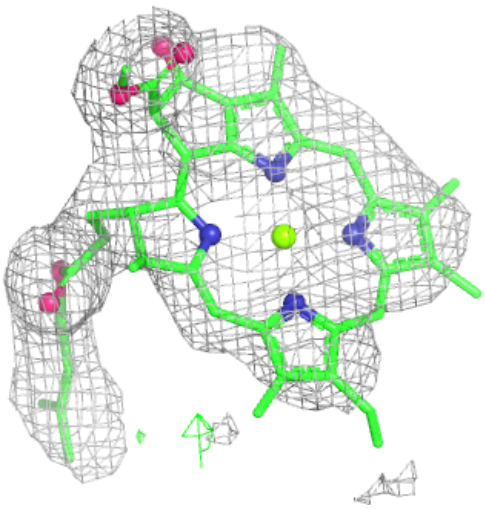


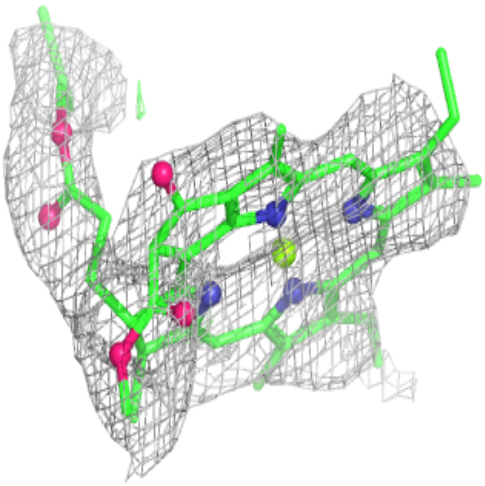


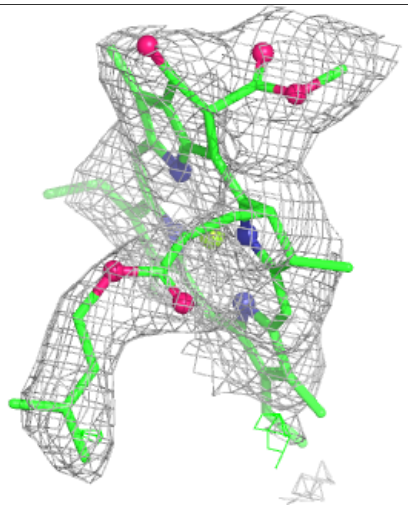


Electron density around CLA G 815:

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

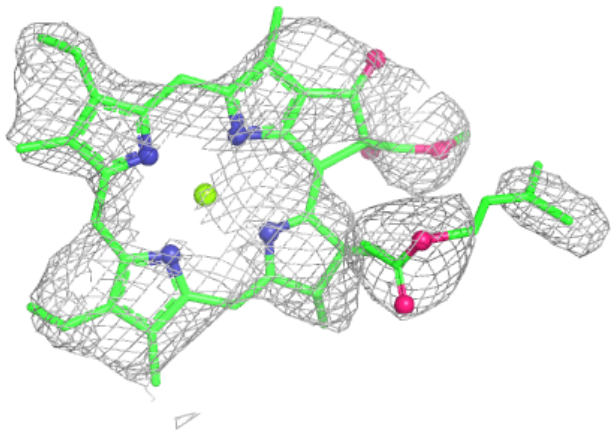


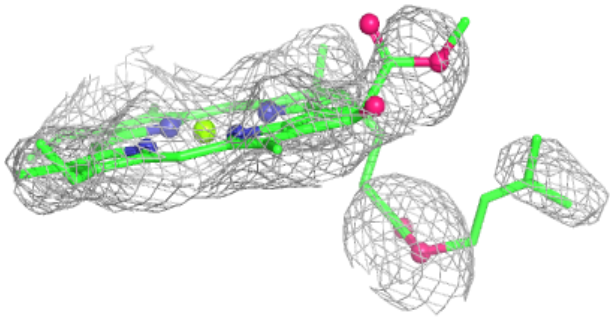


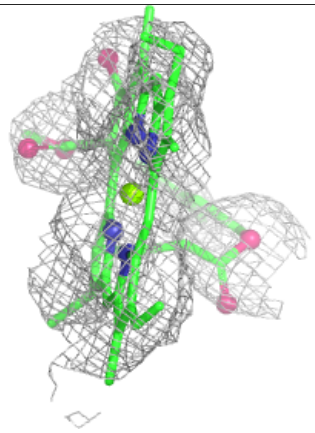


Electron density around CLA G 816:

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

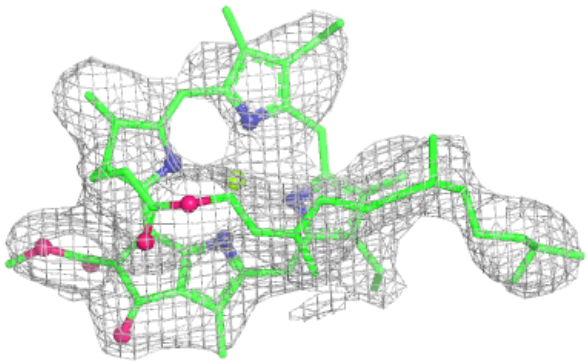


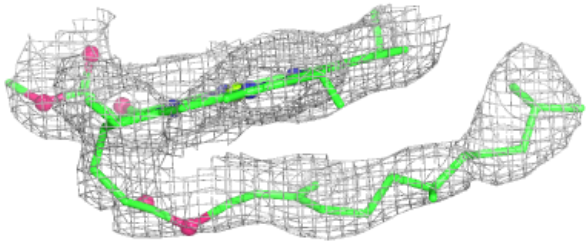


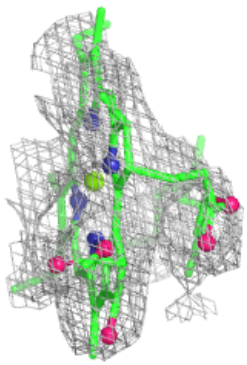


Electron density around CLA G 817:

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

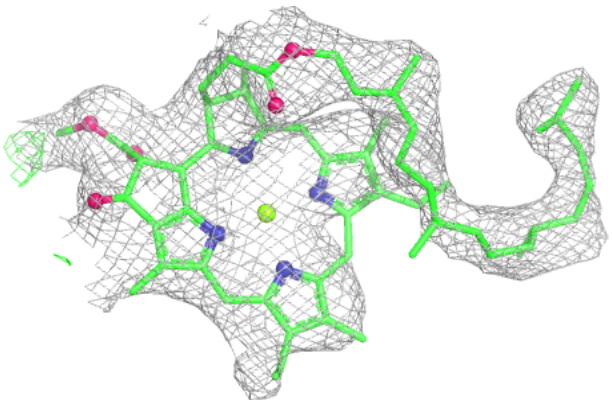


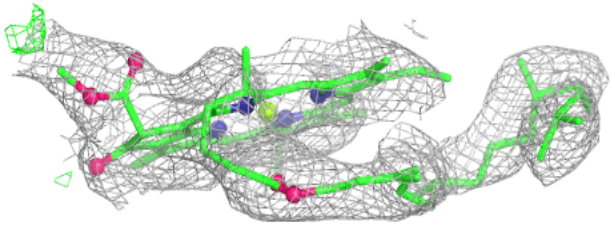


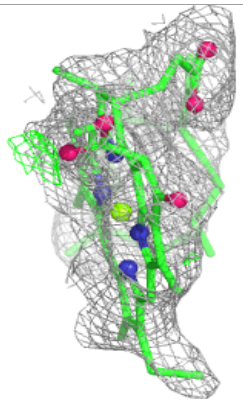


Electron density around CLA G 819:

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

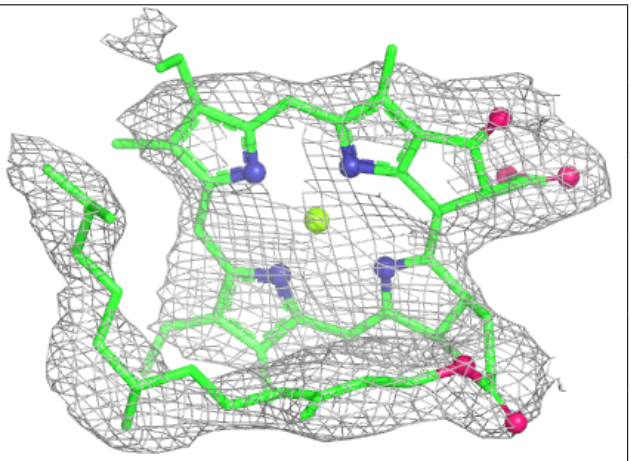


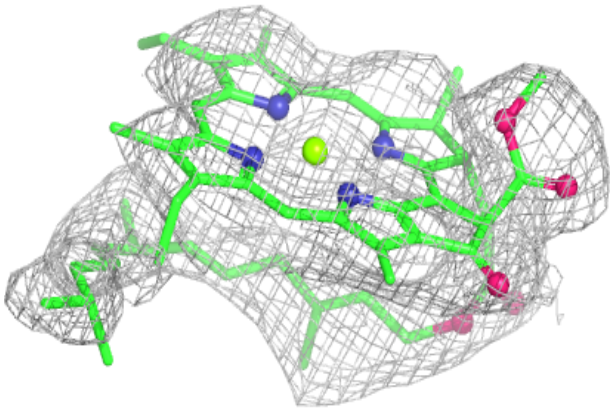


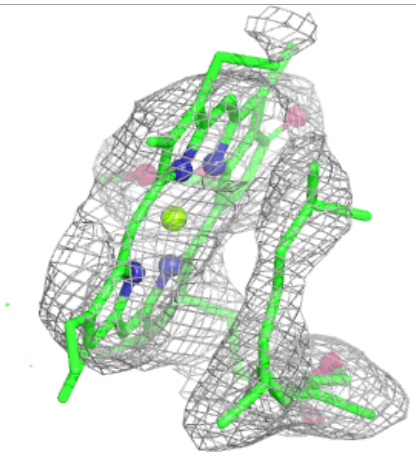


Electron density around CLA G 820:

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

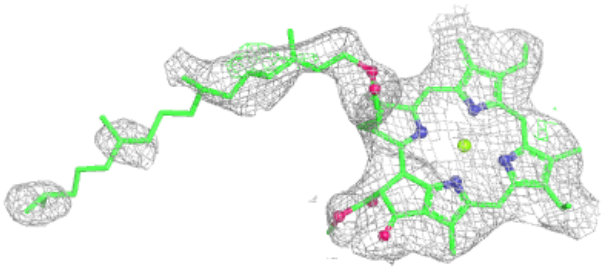


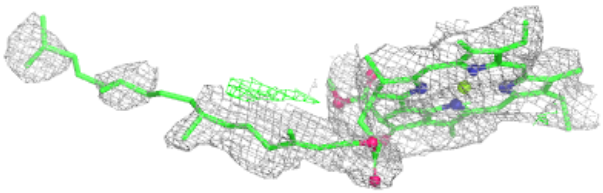


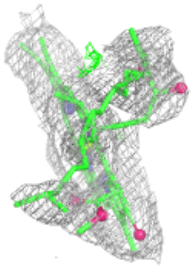


Electron density around CLA G 822:

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

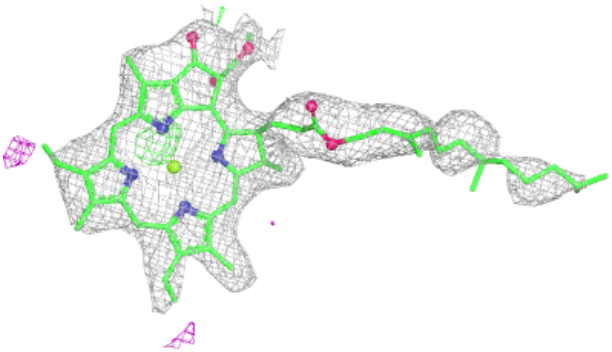


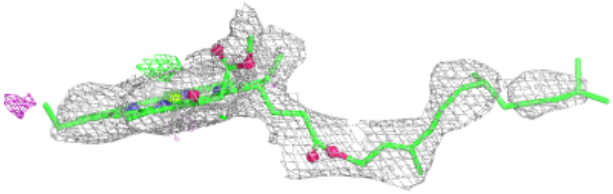


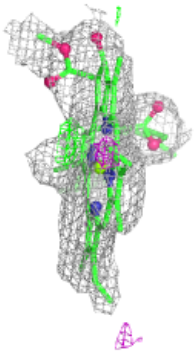


Electron density around CLA G 826:

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

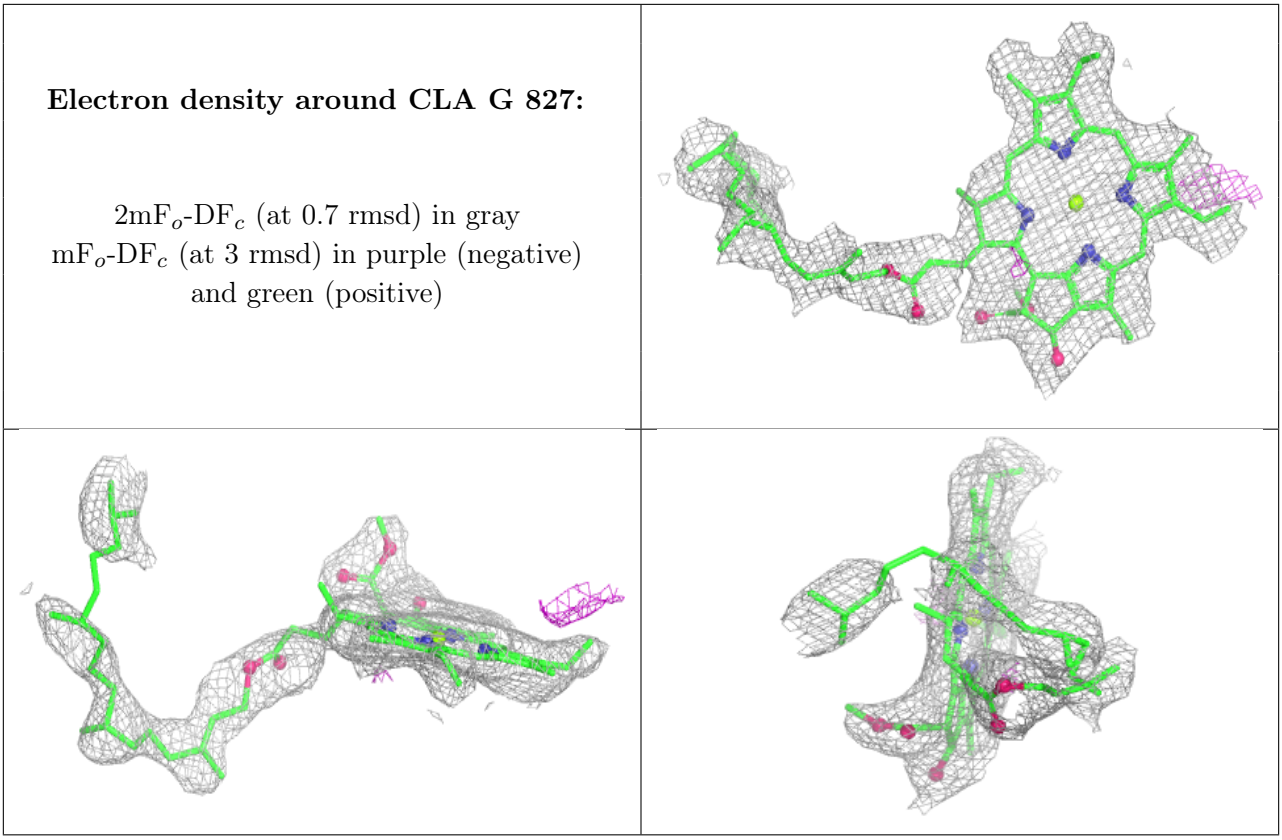






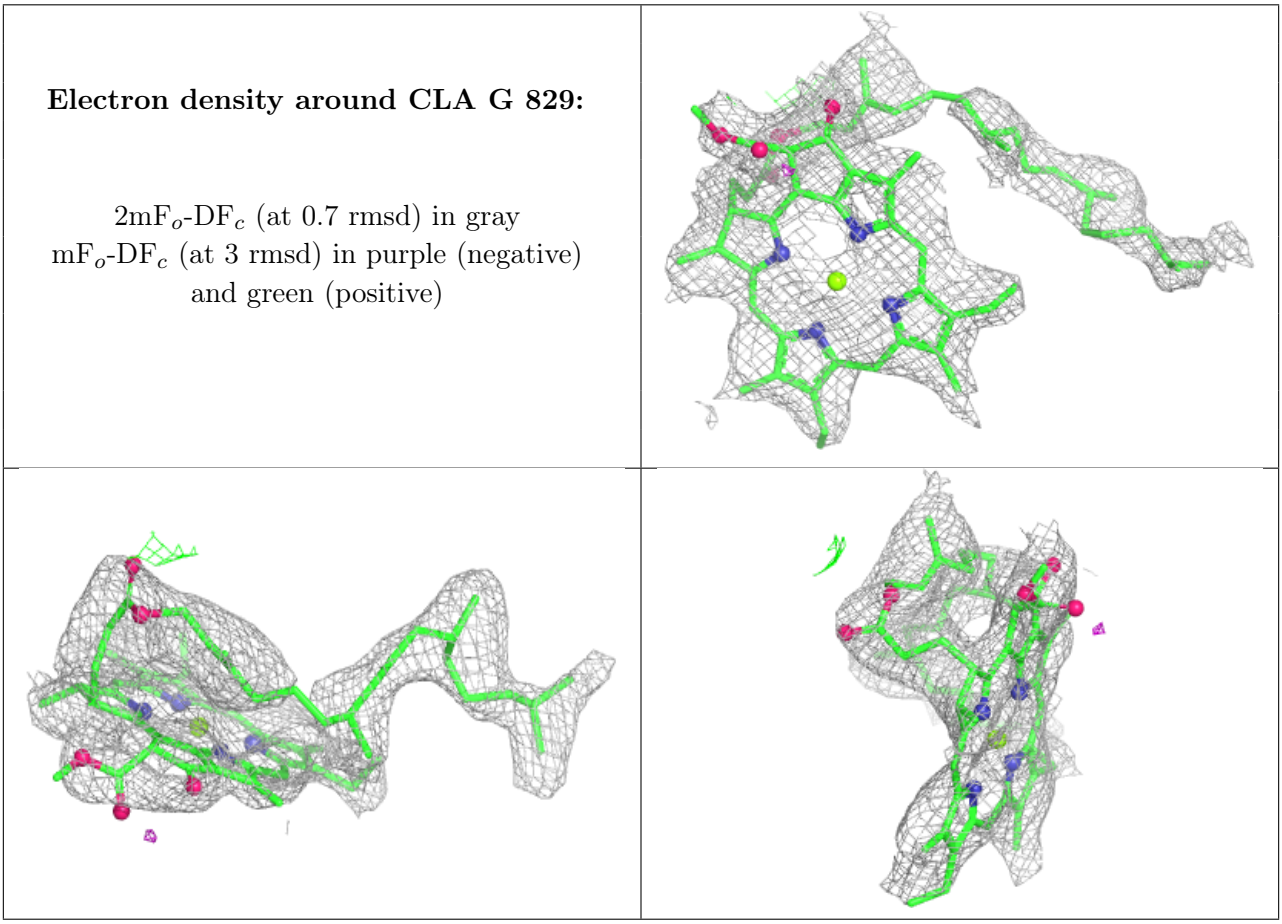
Electron density around CLA G 827:

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



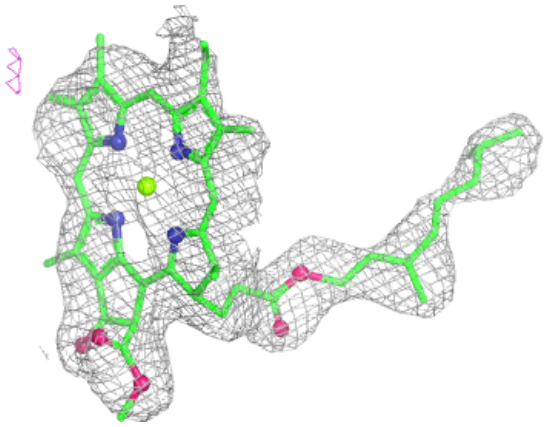
Electron density around CLA G 829:

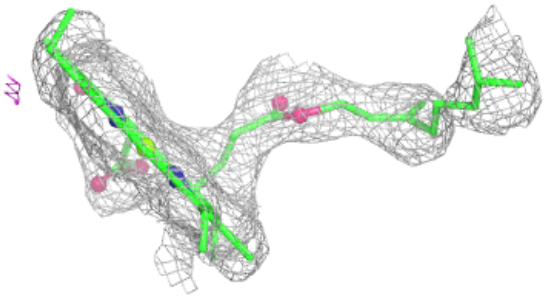
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

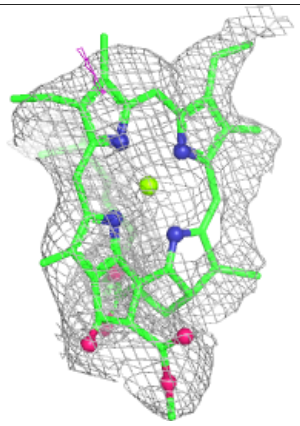


Electron density around CLA G 834:

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

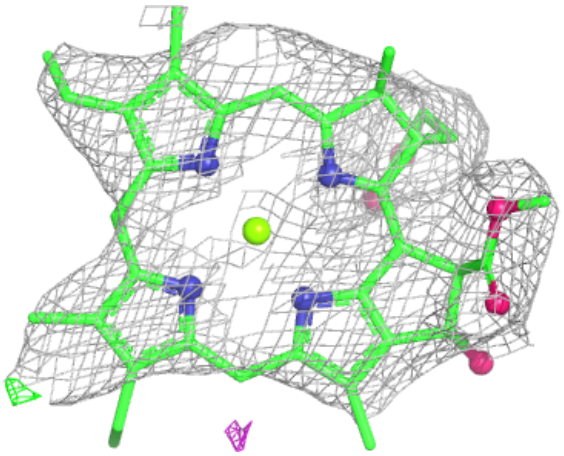


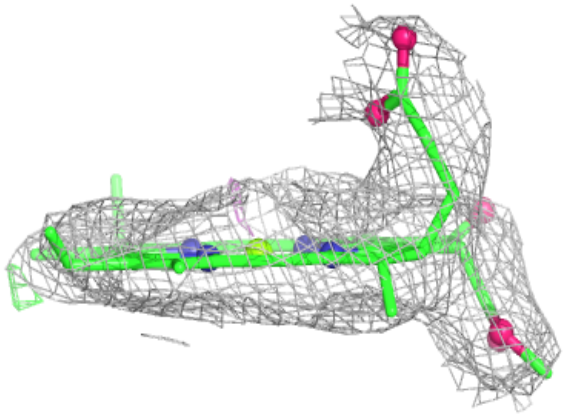


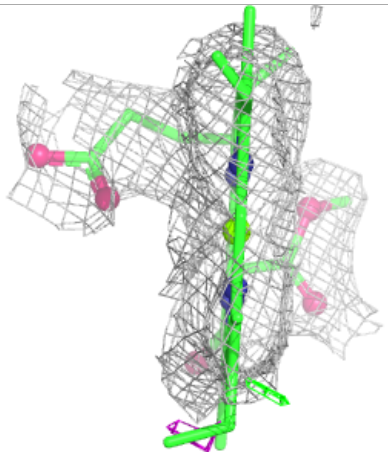


Electron density around CLA G 835:

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

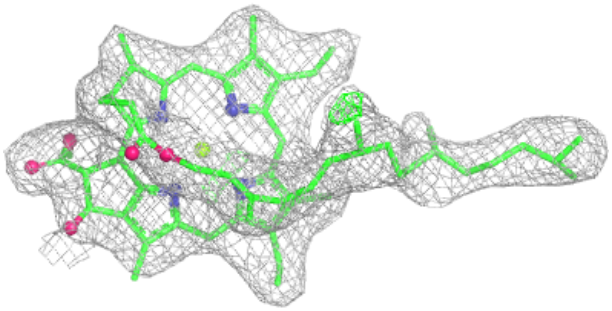


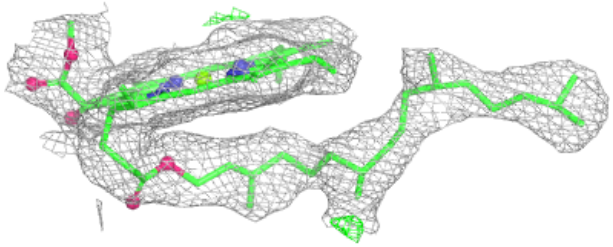


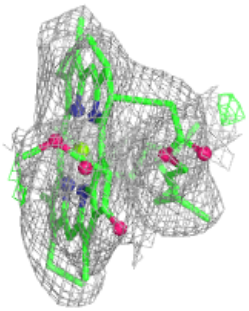


Electron density around CLA G 837:

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

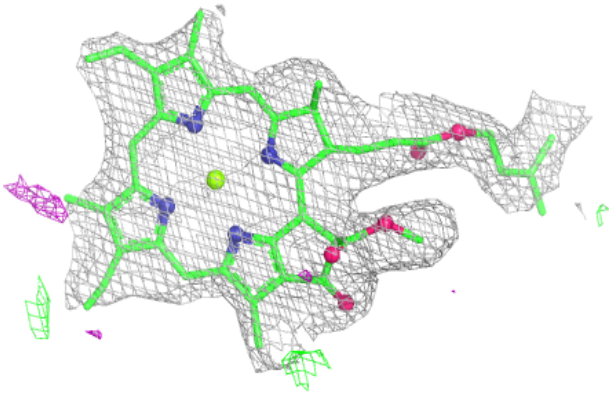


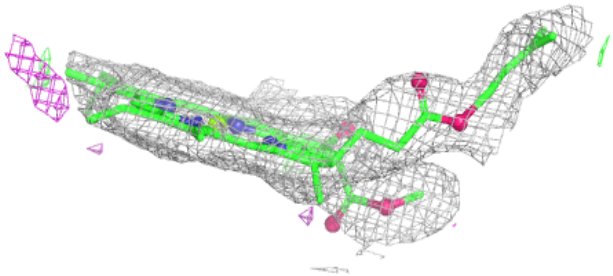


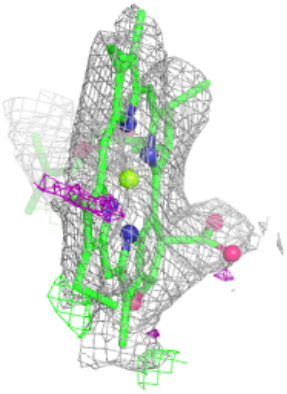


Electron density around CLA G 839:

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

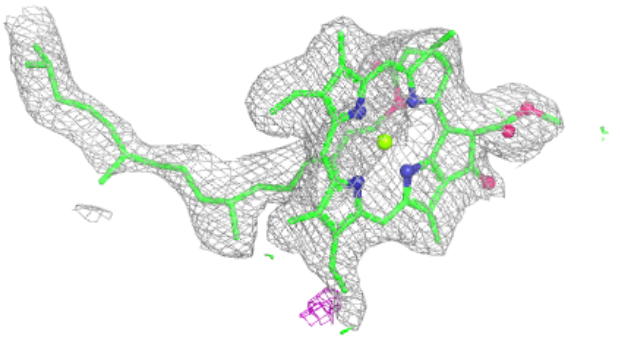


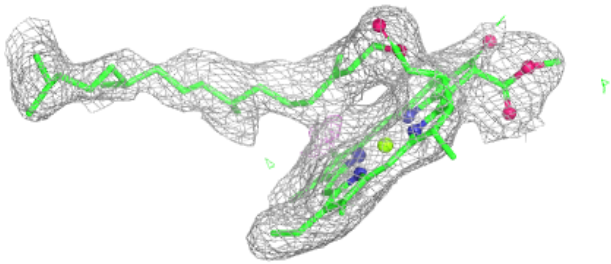


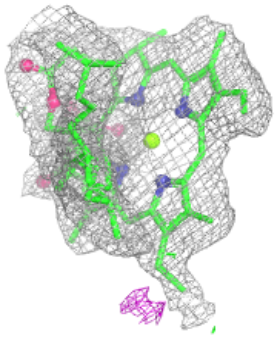


Electron density around CLA G 840:

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

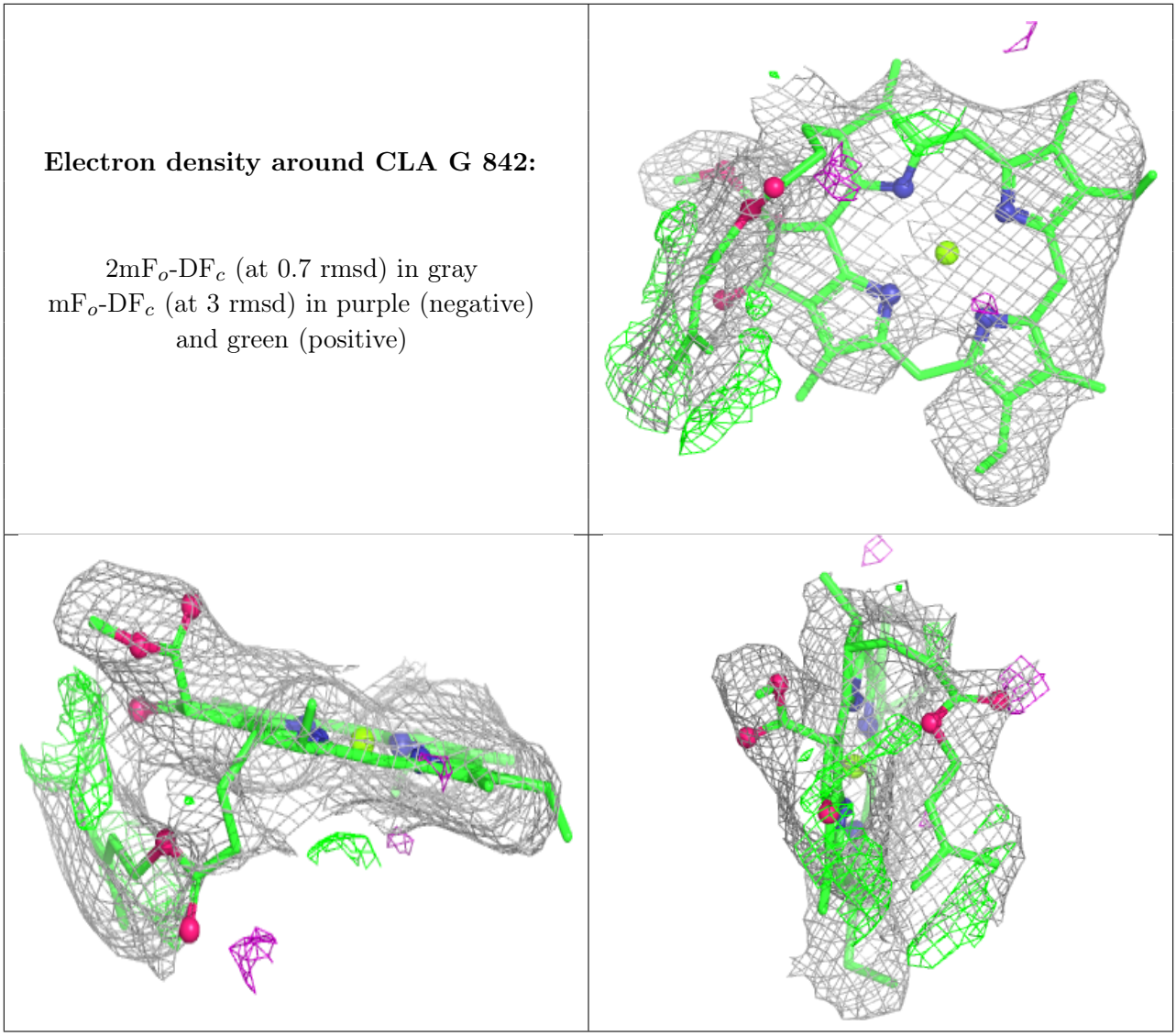






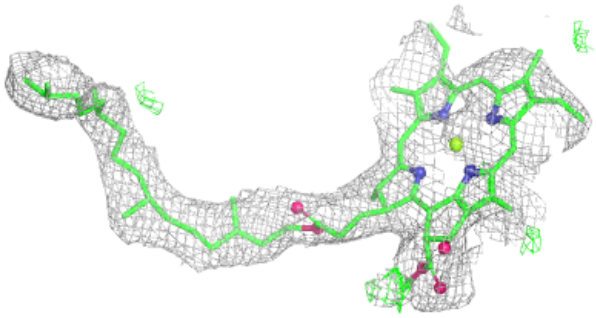
Electron density around CLA G 842:

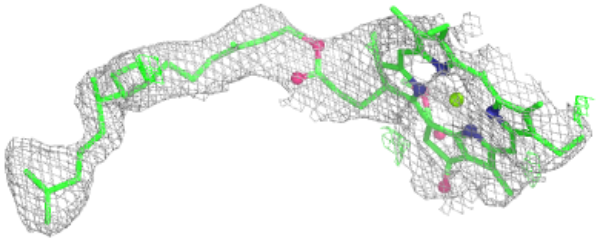
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

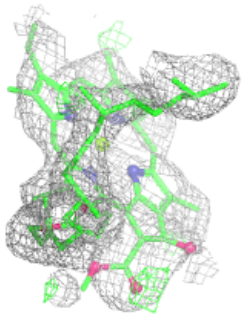


Electron density around CLA H 802:

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

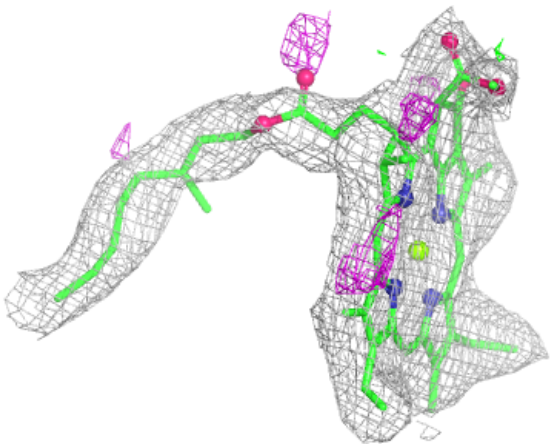


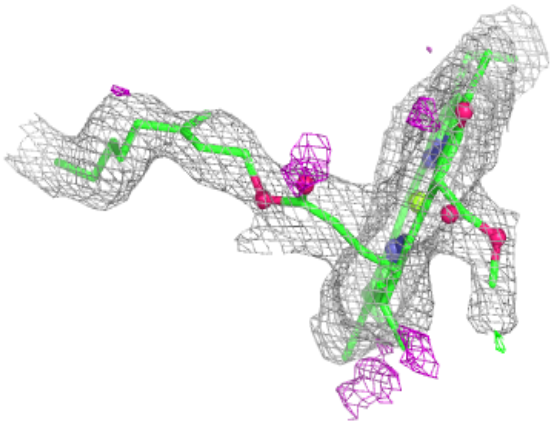


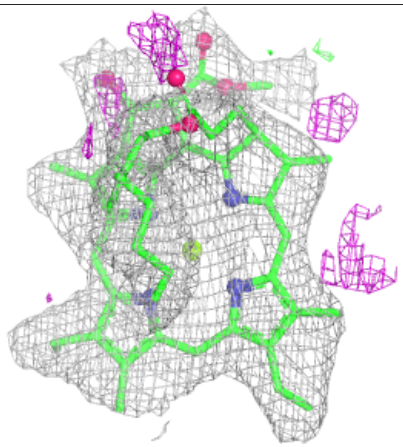


Electron density around CLA H 804:

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

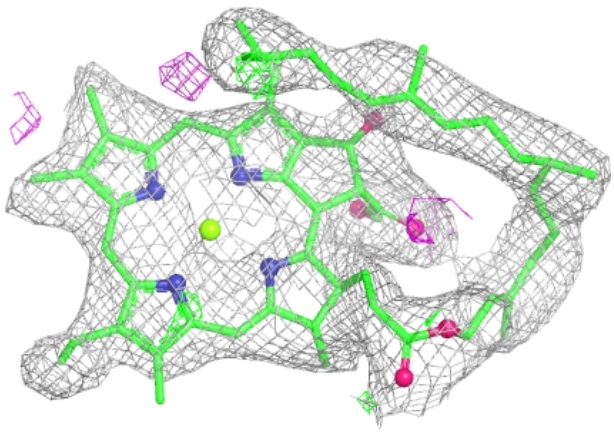


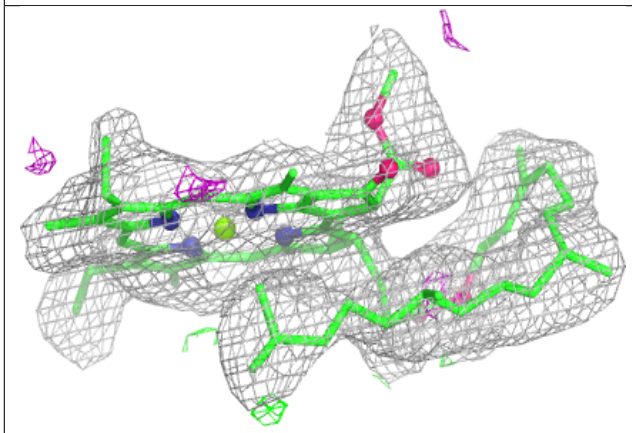


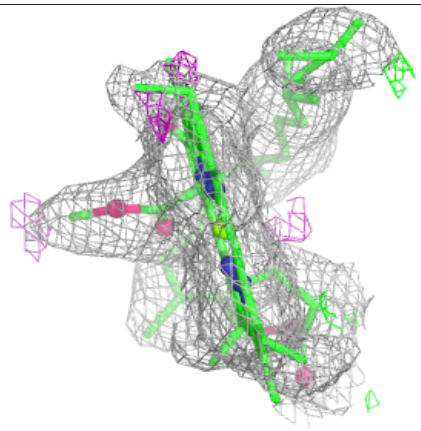


Electron density around CLA H 805:

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

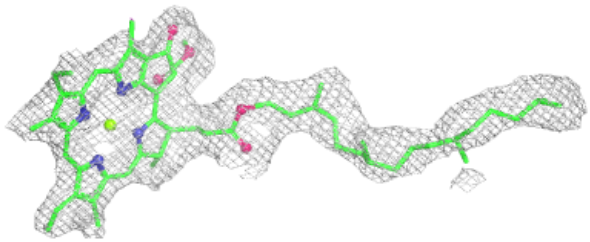


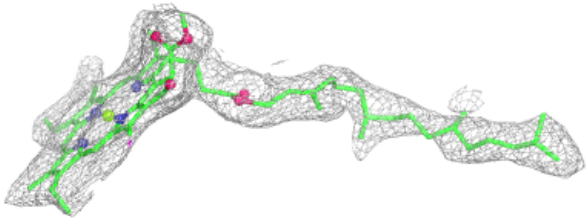


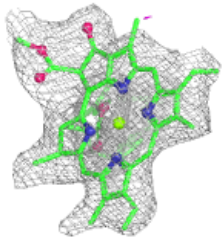


Electron density around CLA A 810:

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

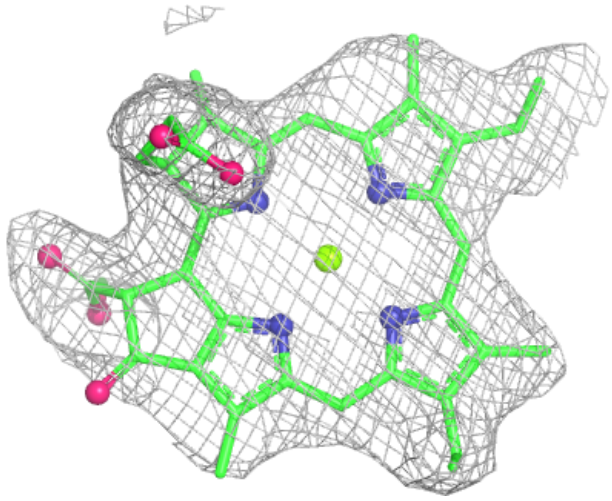


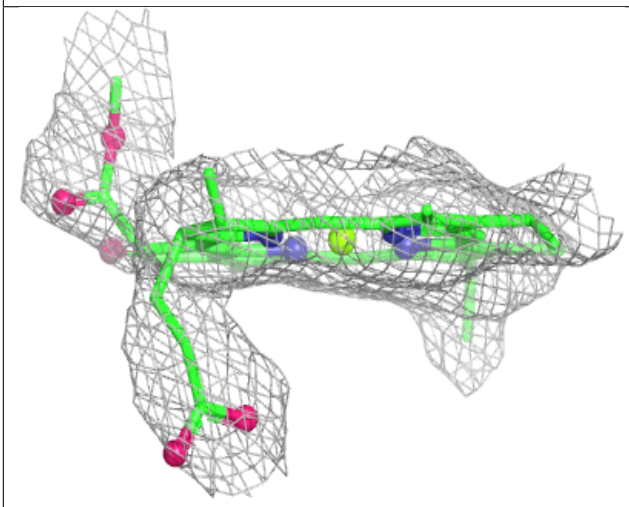


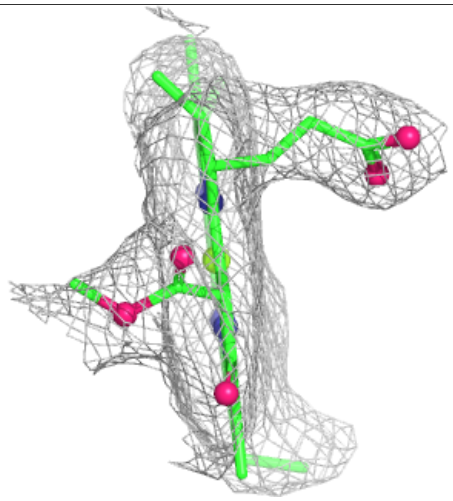


Electron density around CLA H 815:

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

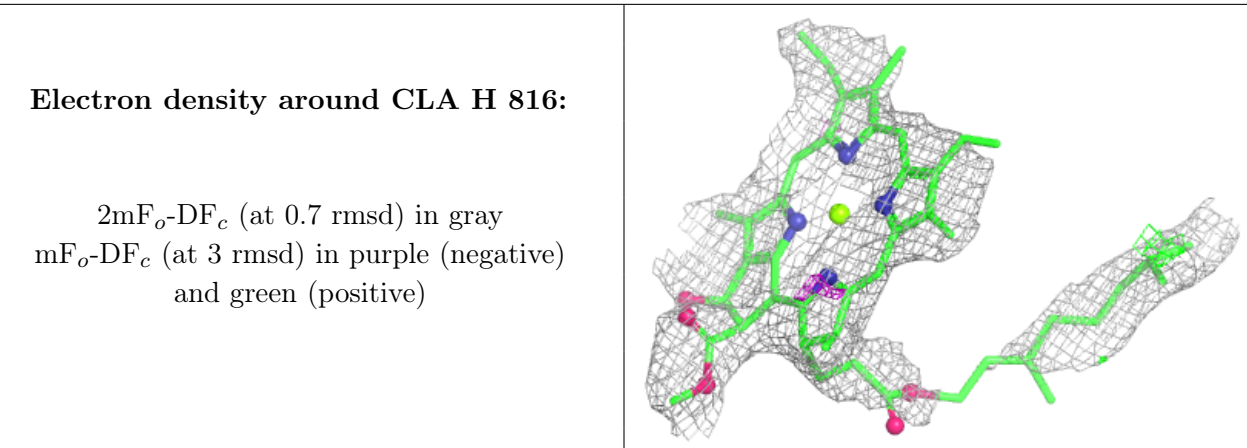






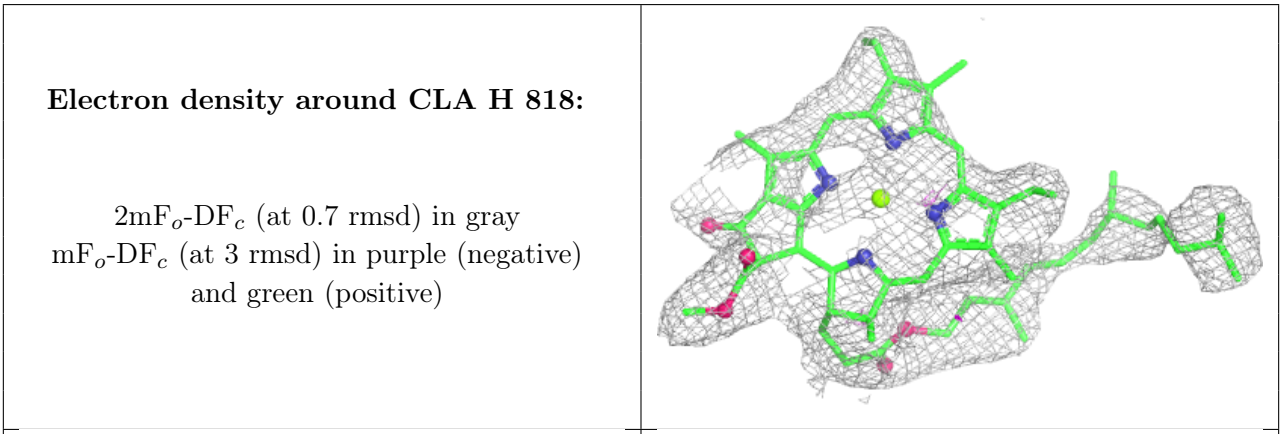
Electron density around CLA H 816:

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



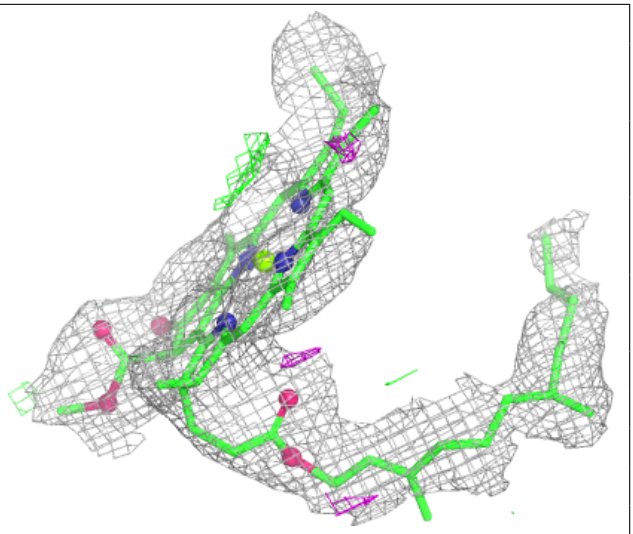
Electron density around CLA H 818:

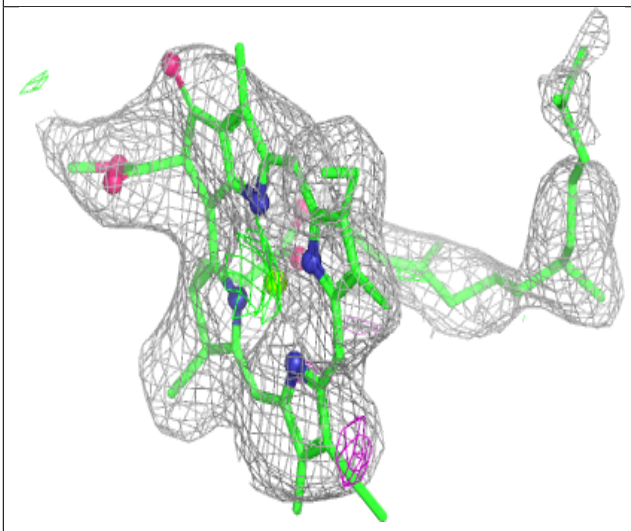
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

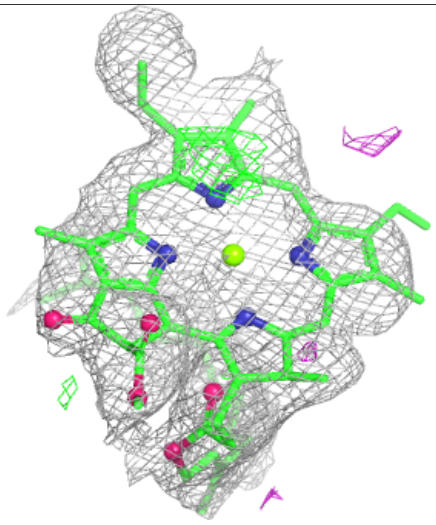


Electron density around CLA H 819:

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

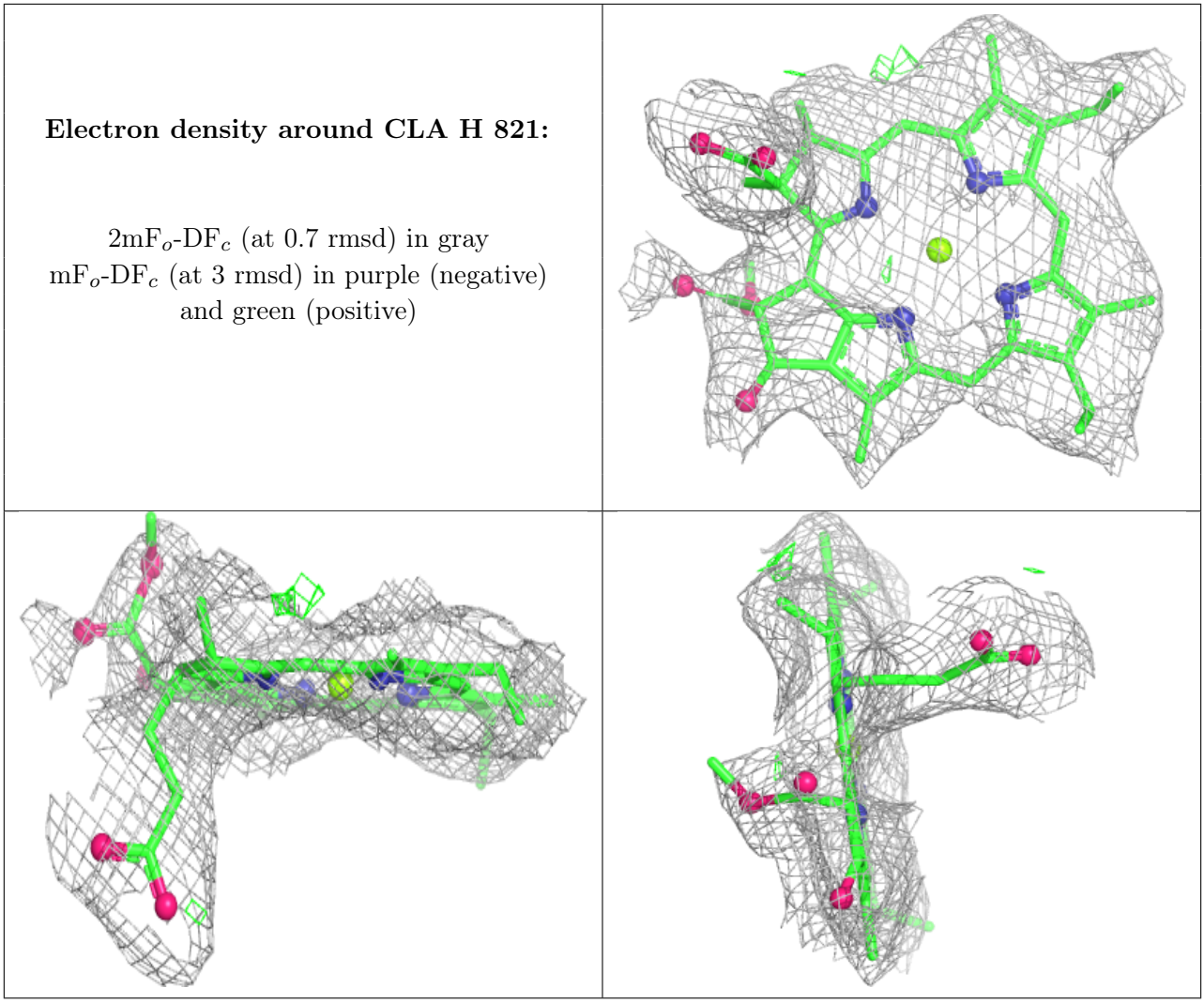






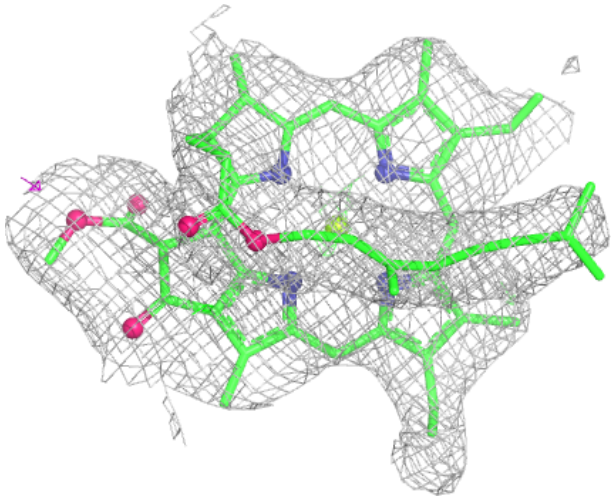
Electron density around CLA H 821:

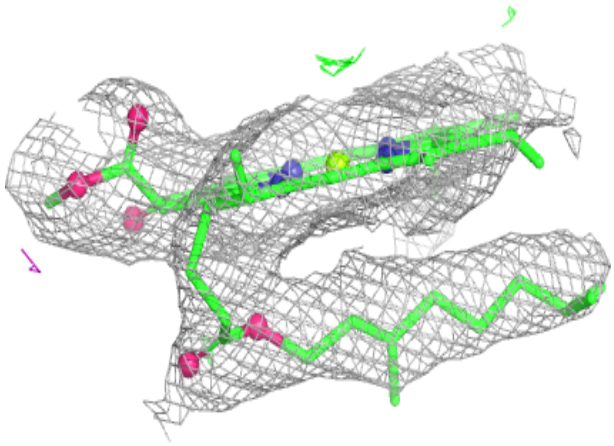
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

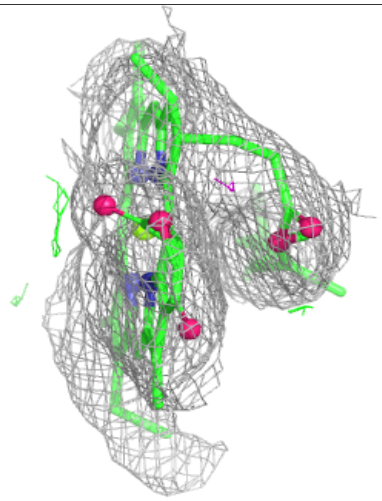


Electron density around CLA H 822:

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

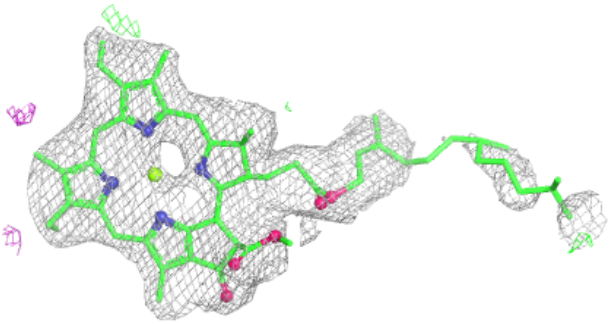


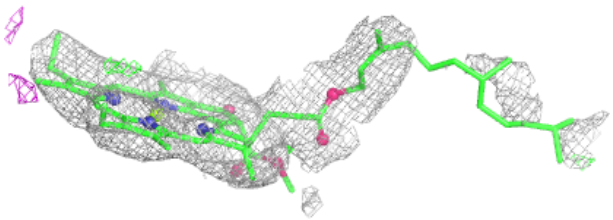


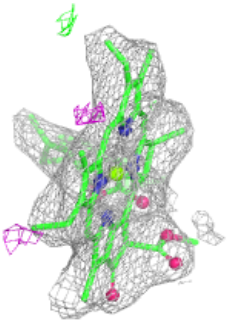


Electron density around CLA H 823:

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

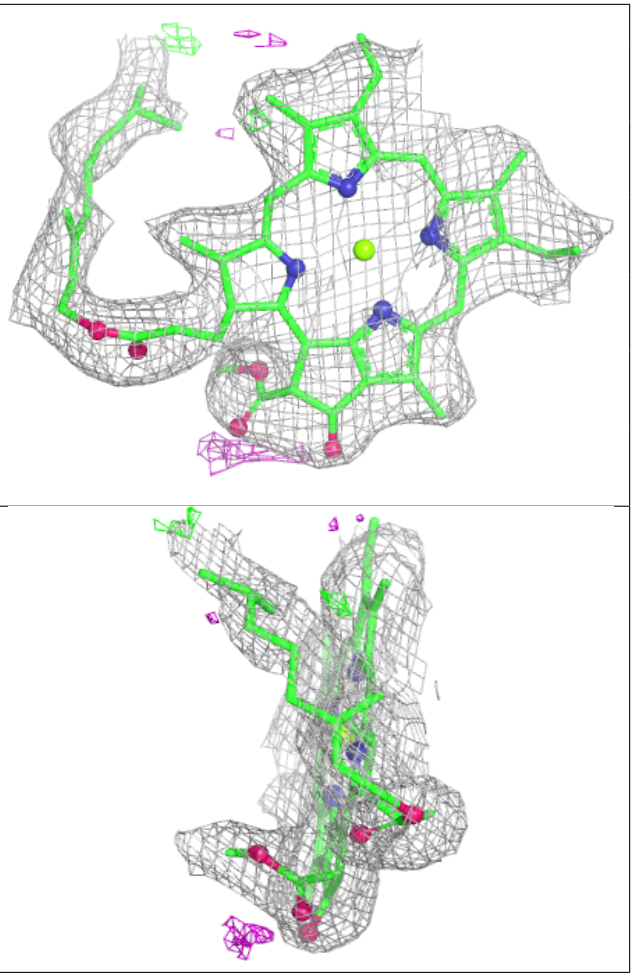






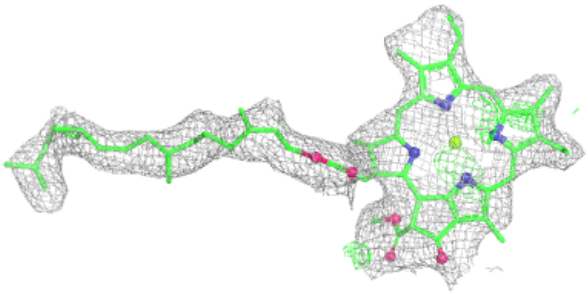
Electron density around CLA H 824:

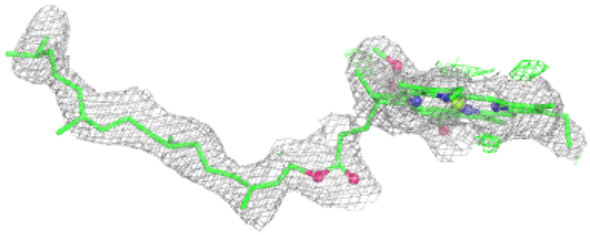
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

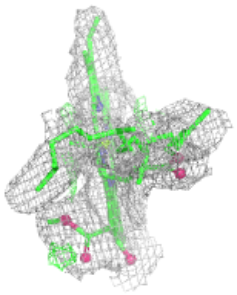


Electron density around CLA H 825:

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

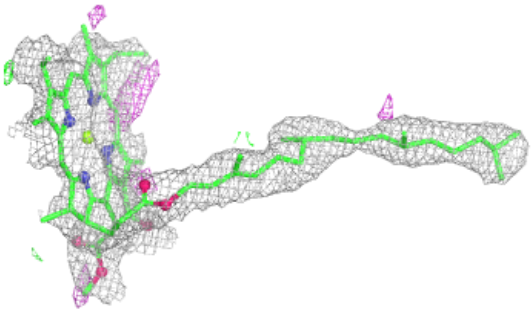


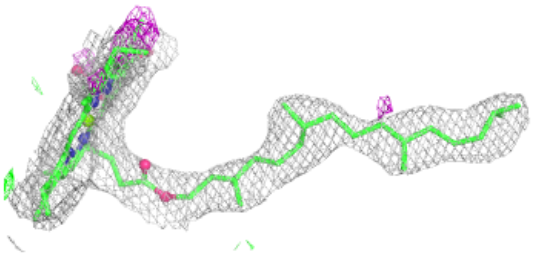


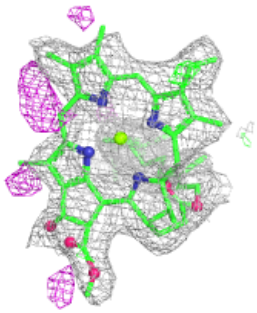


Electron density around CLA H 828:

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

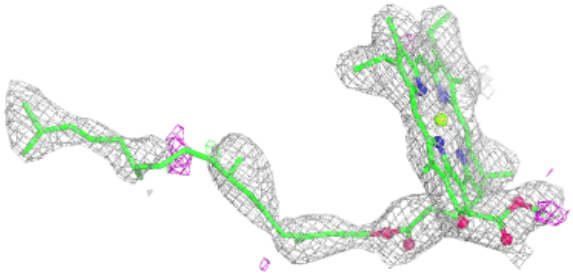


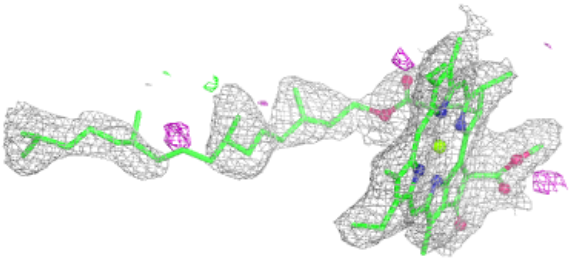


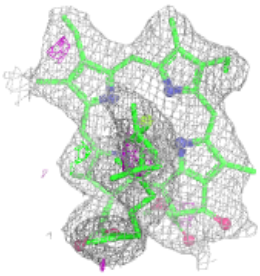


Electron density around CLA H 829:

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

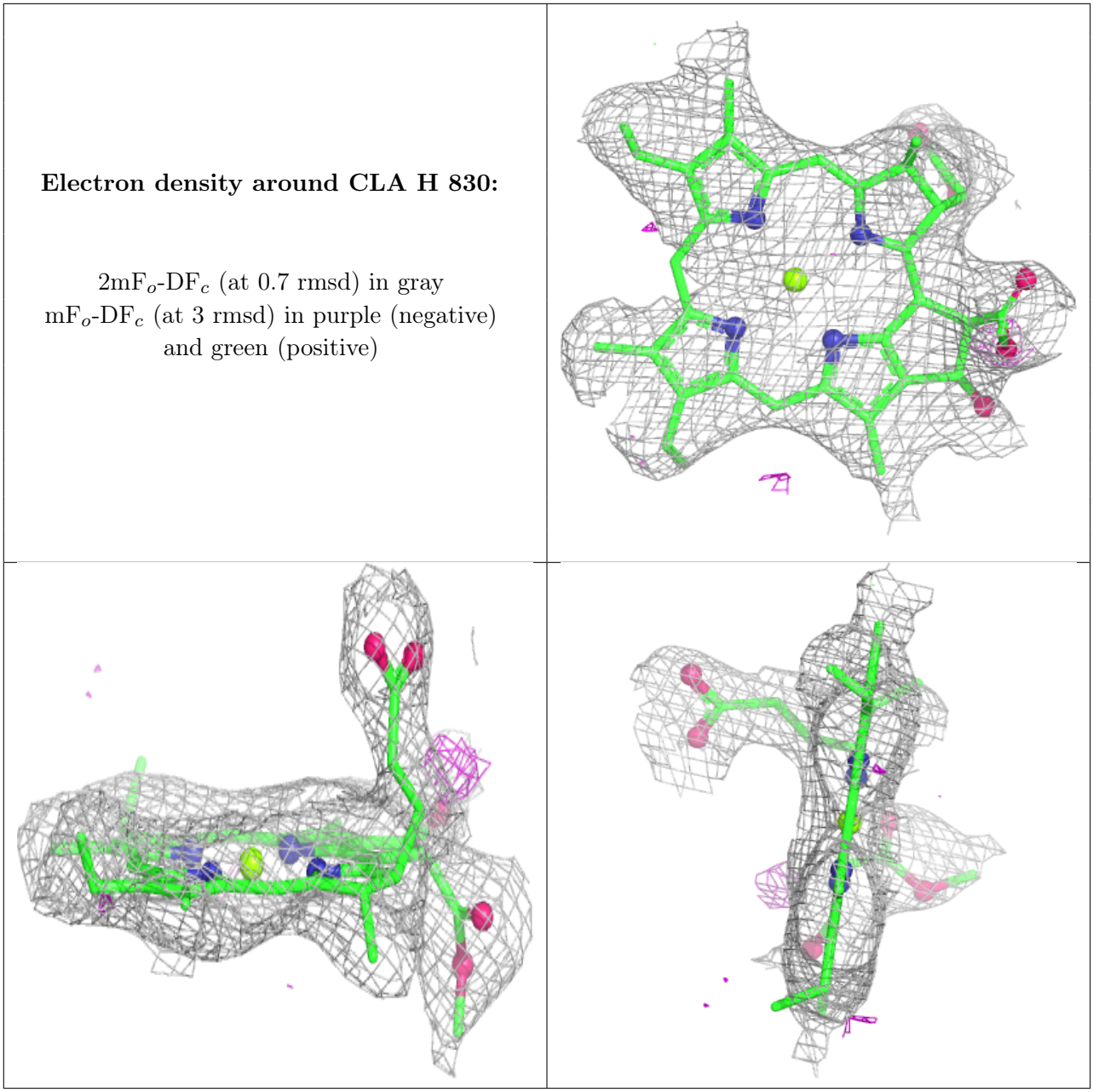






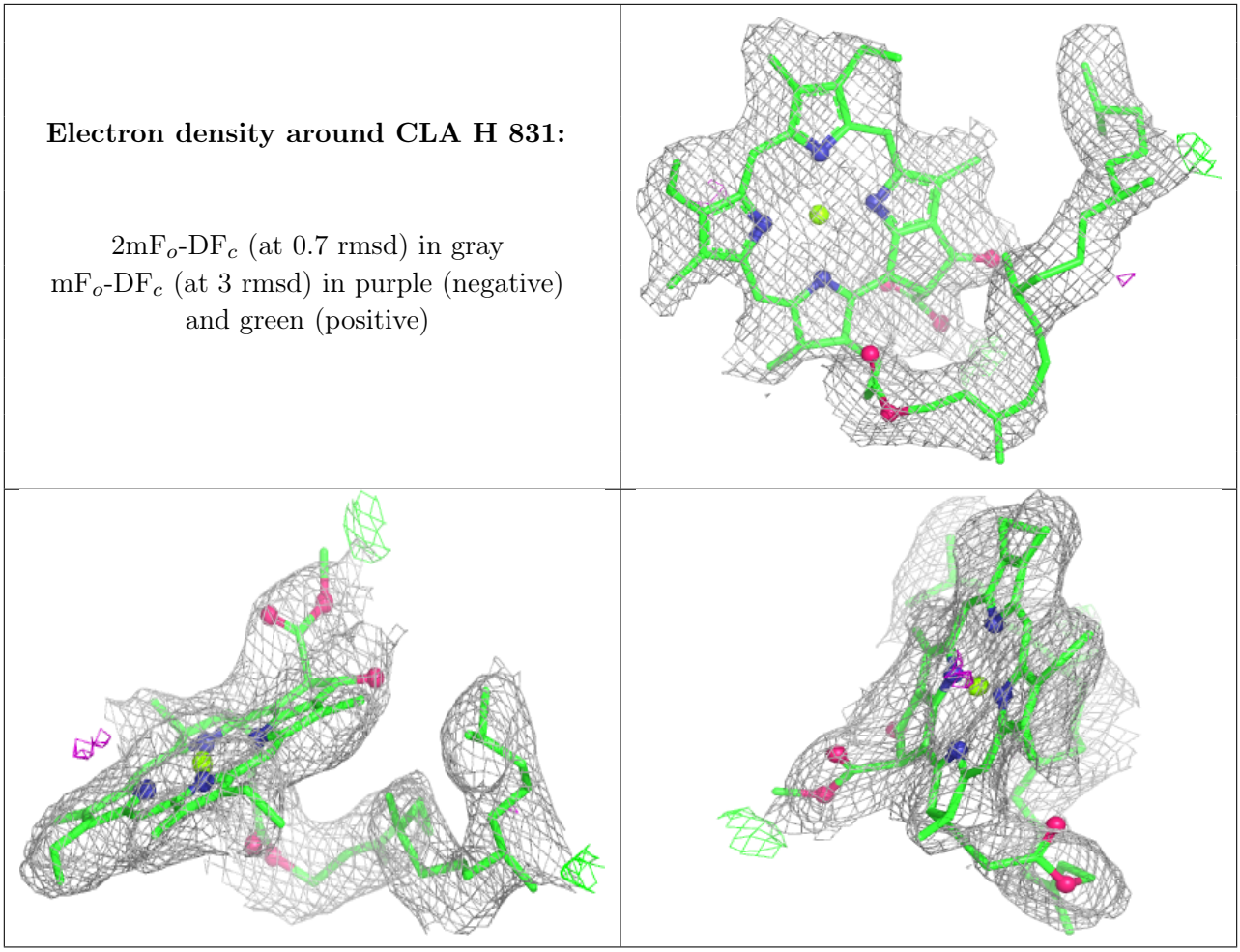
Electron density around CLA H 830:

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



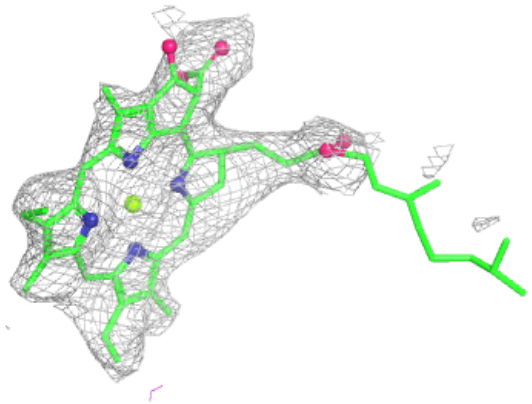
Electron density around CLA H 831:

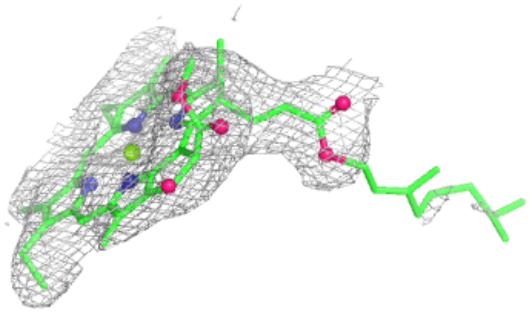
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

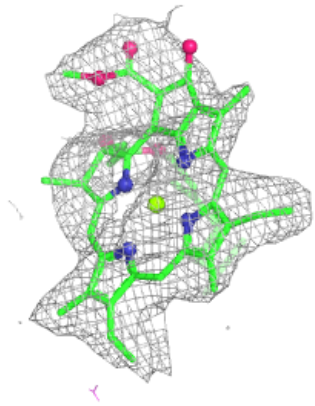


Electron density around CLA H 832:

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

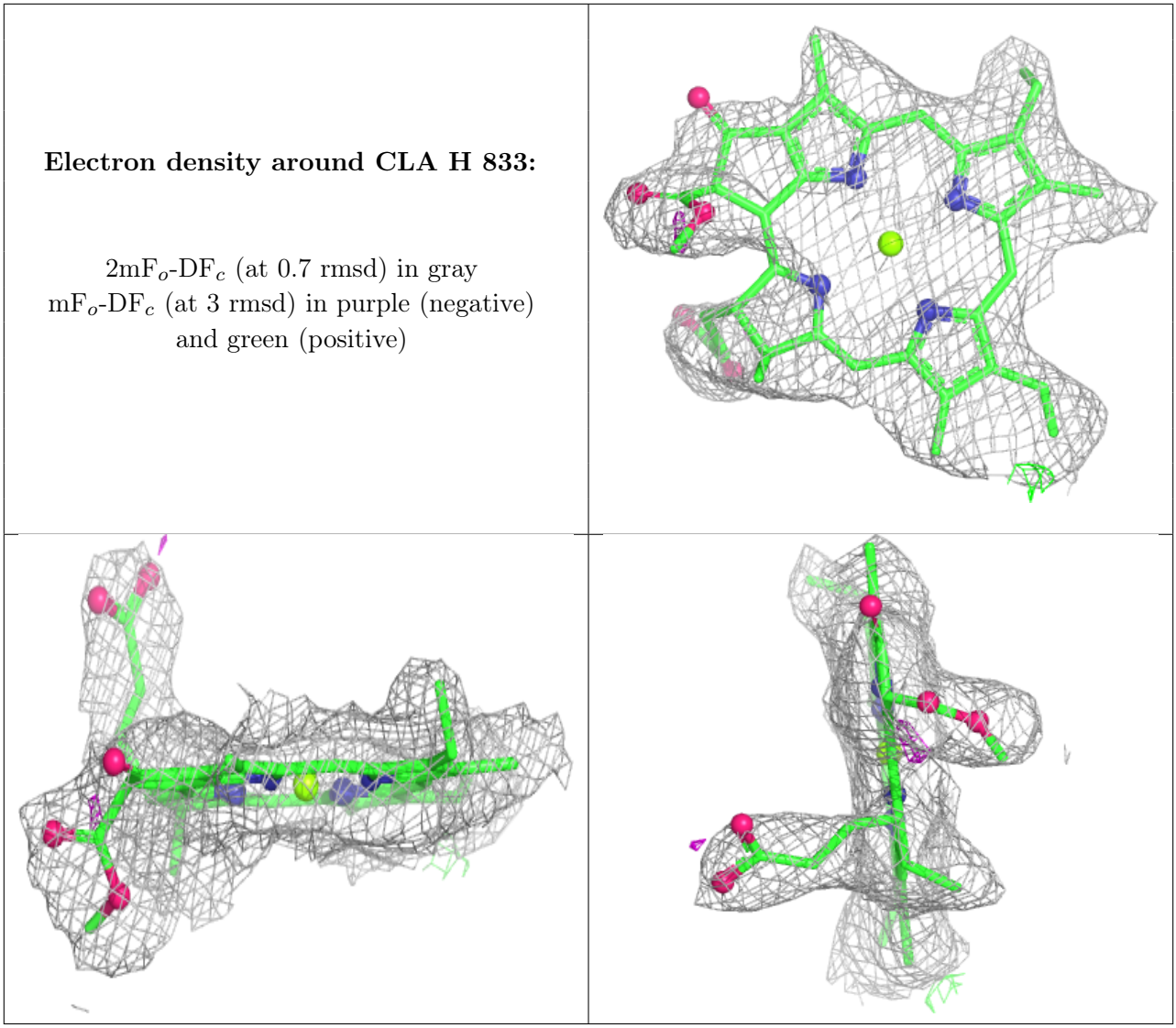






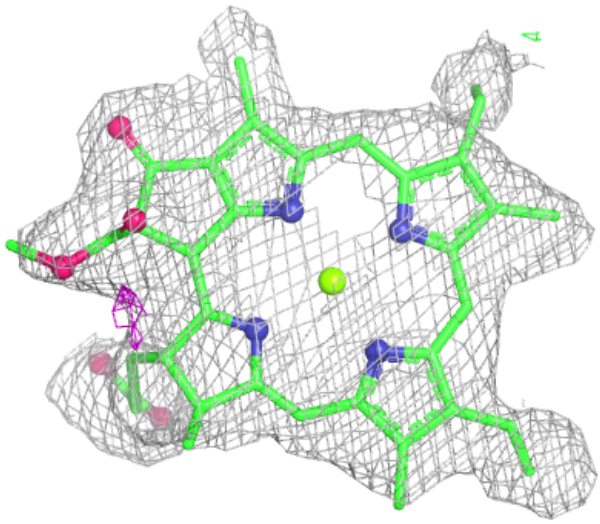
Electron density around CLA H 833:

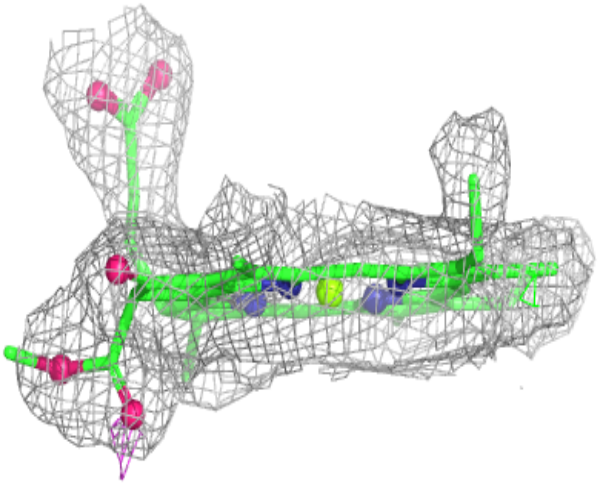
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



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)

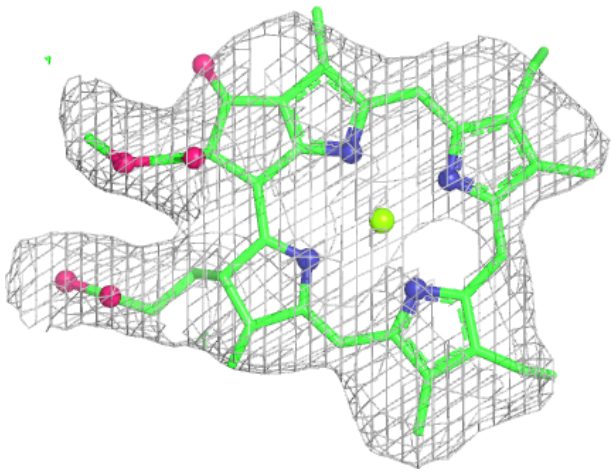


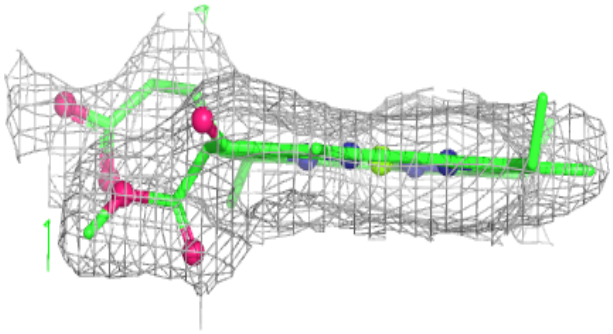


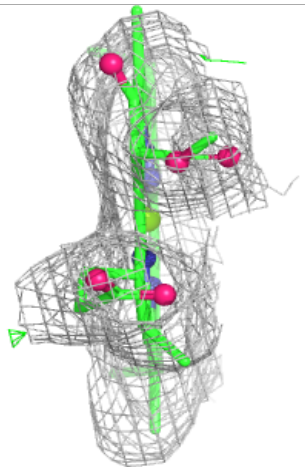


Electron density around CLA H 835:

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

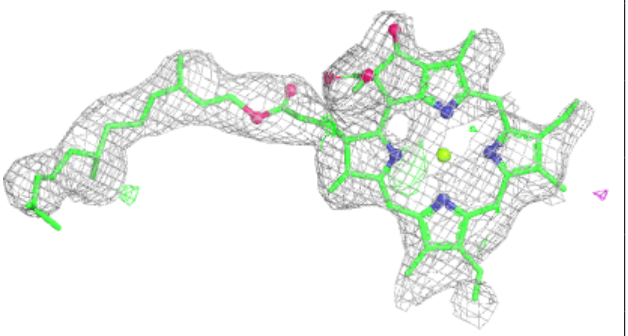


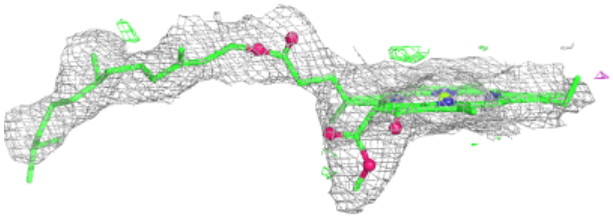


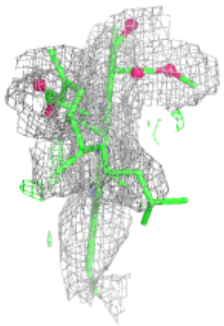


Electron density around CLA H 836:

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

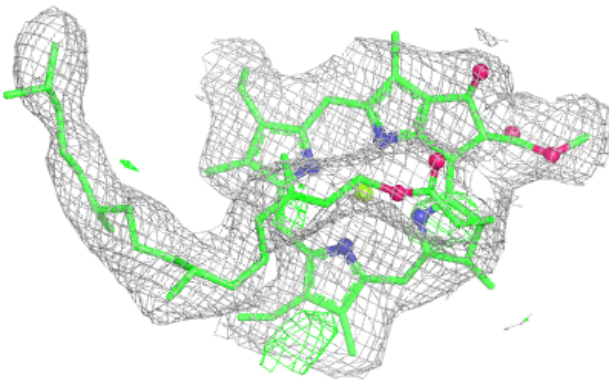


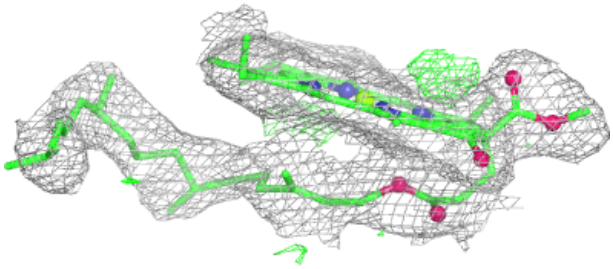


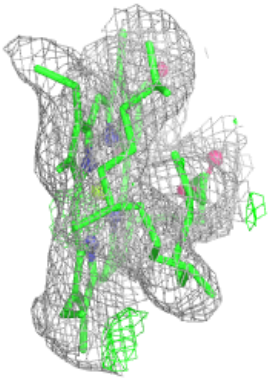


Electron density around CLA H 837:

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

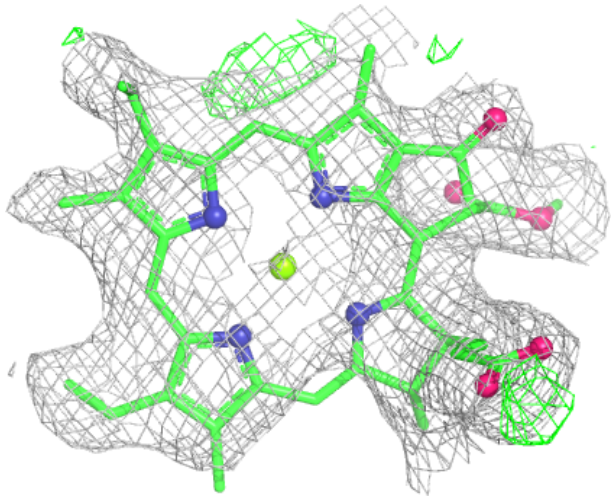


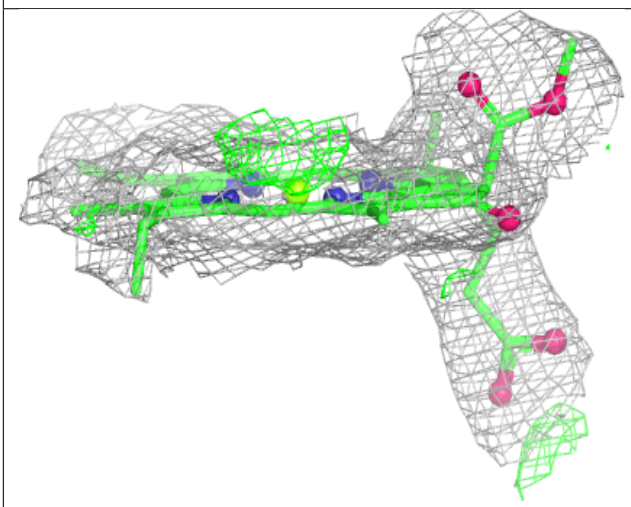


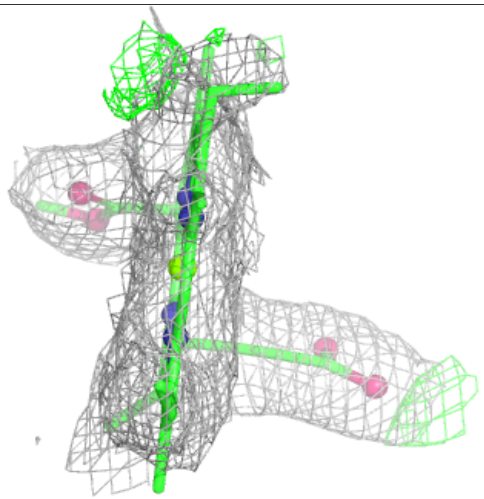


Electron density around CLA H 838:

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

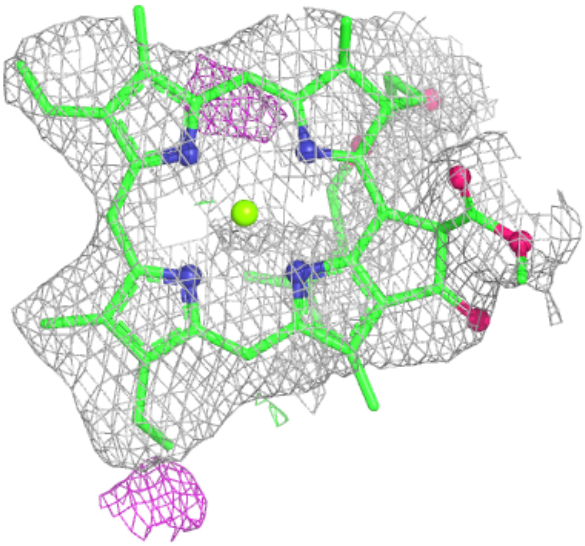


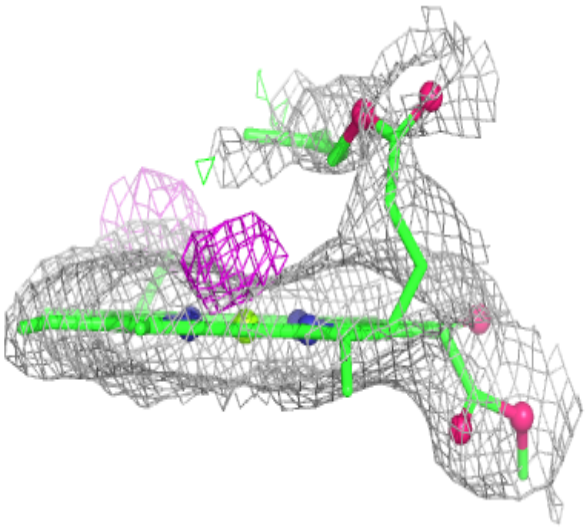




Electron density around CLA H 851:

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

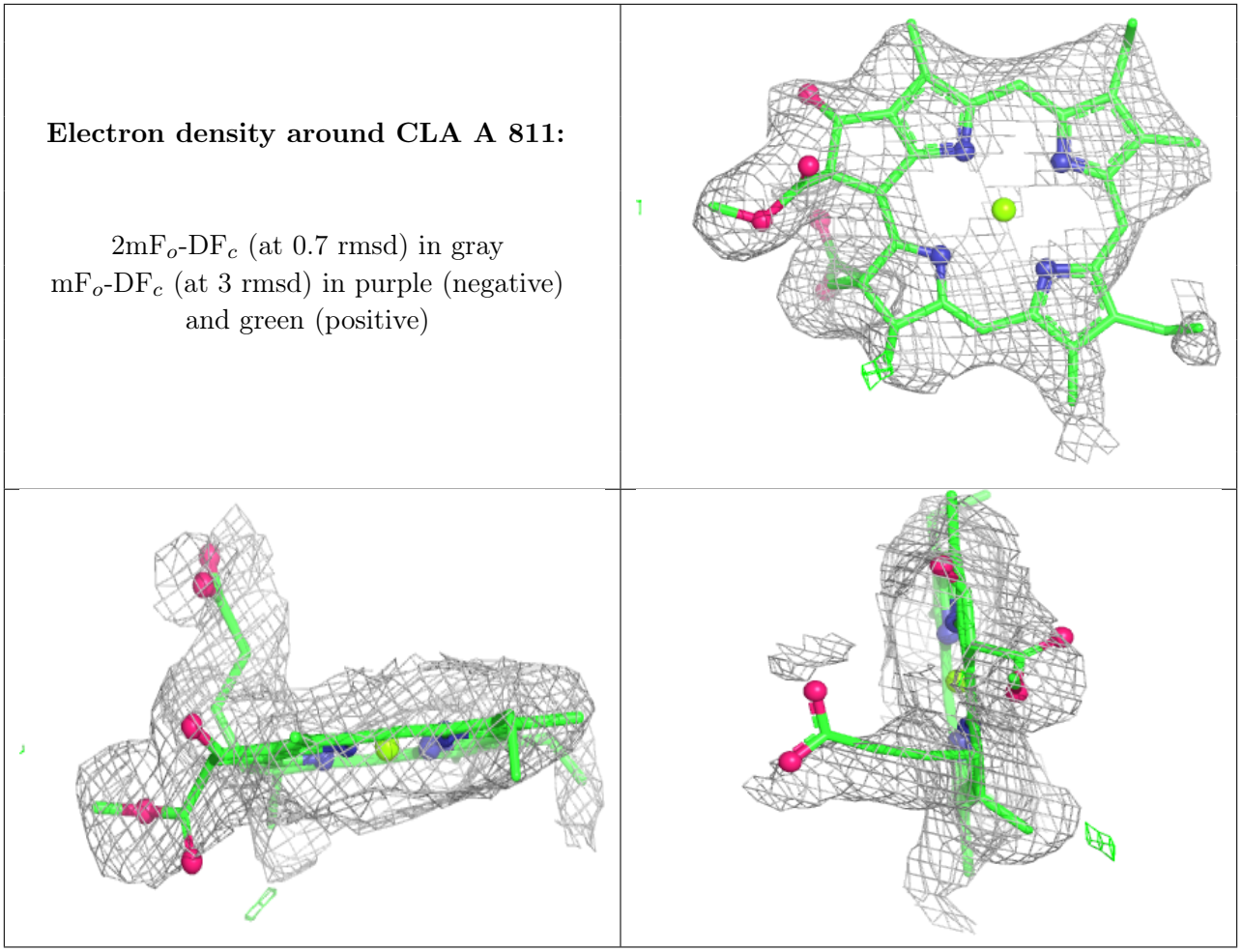






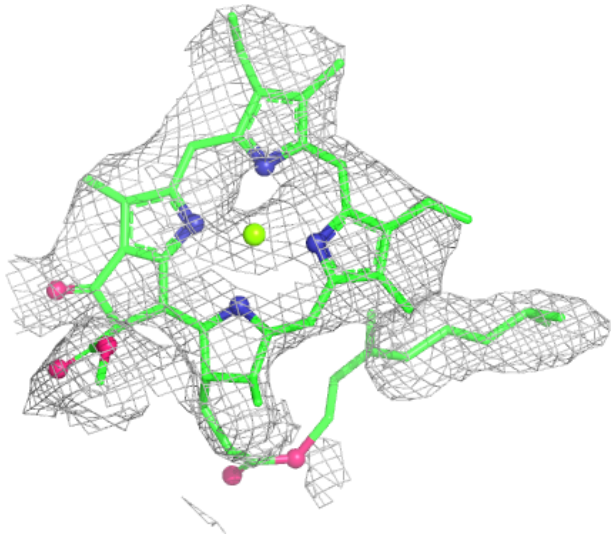
Electron density around CLA A 811:

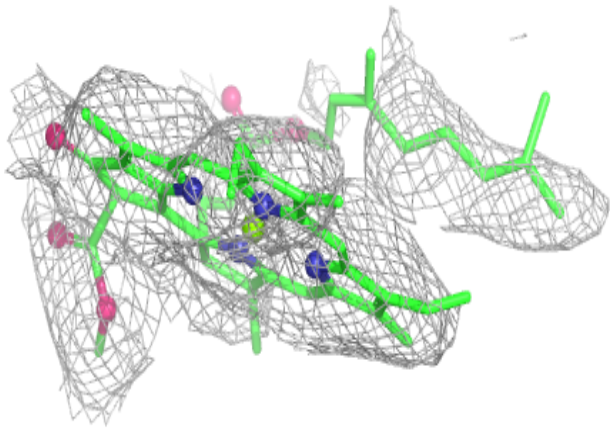
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

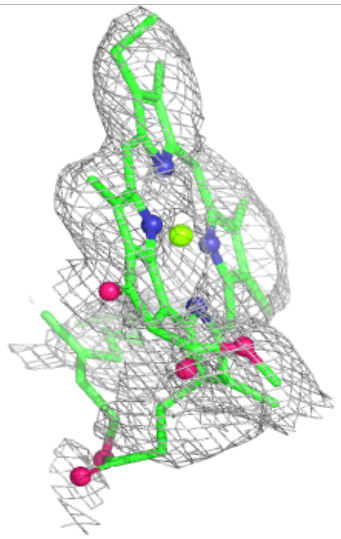


Electron density around CLA J 102:

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

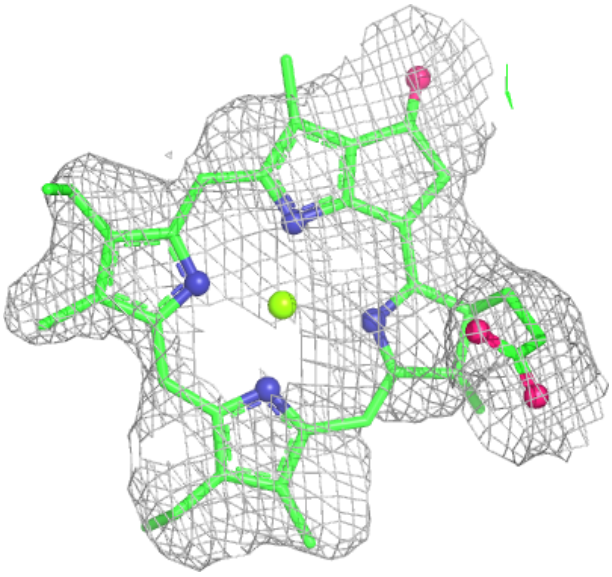


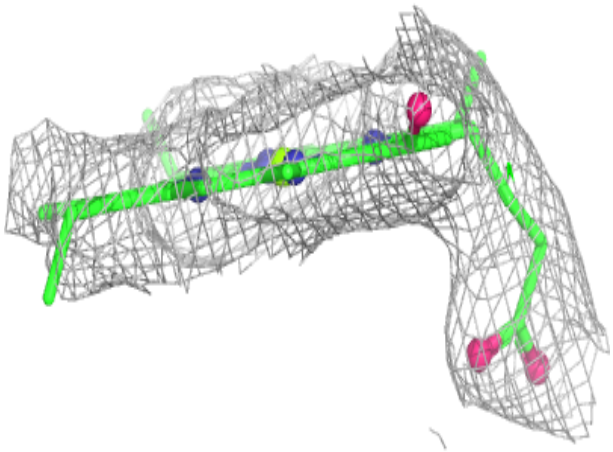


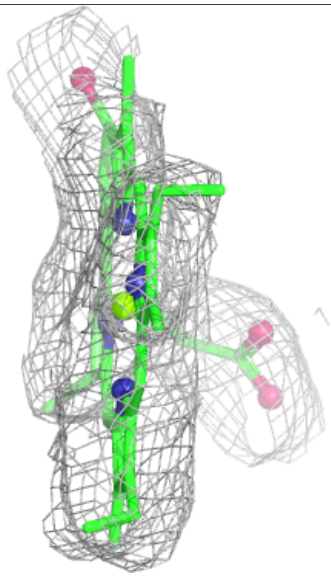


Electron density around CLA K 101:

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

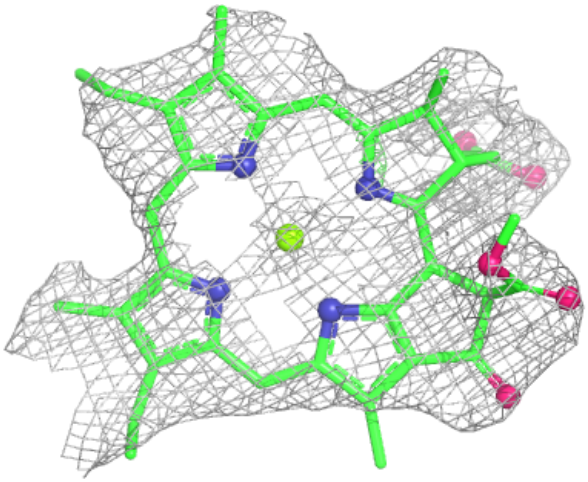


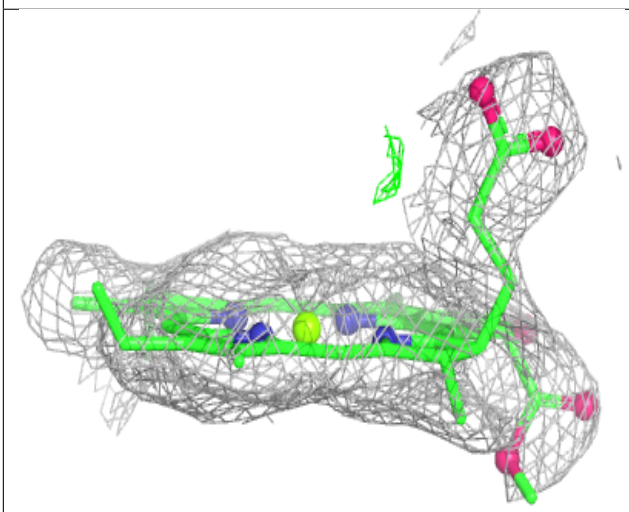


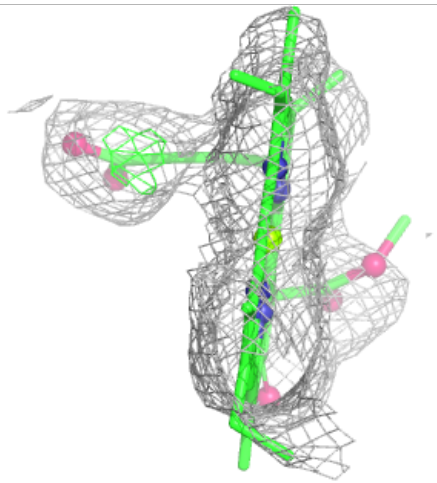


Electron density around CLA K 102:

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

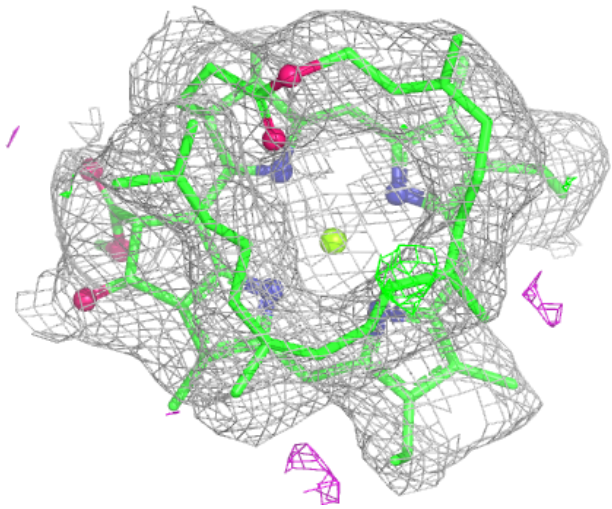


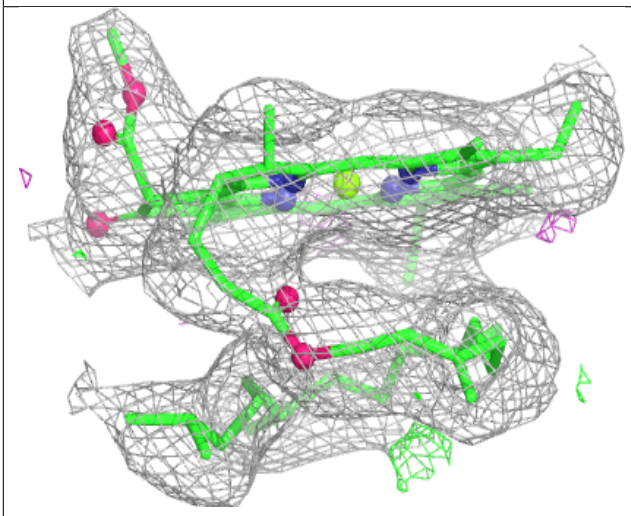


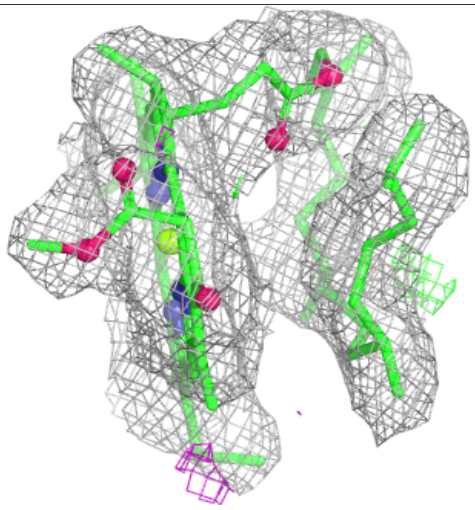


Electron density around CLA L 204:

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

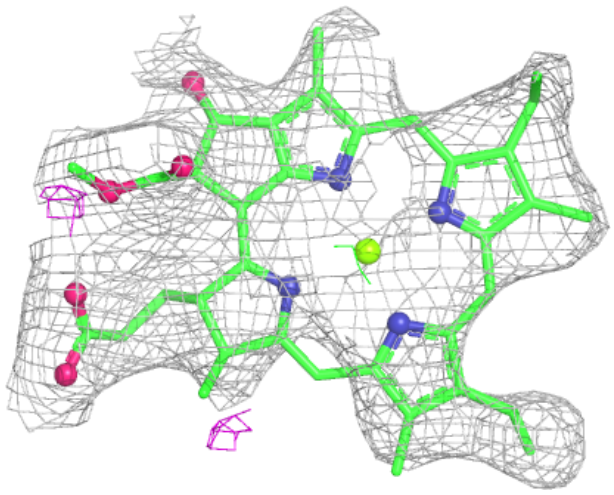


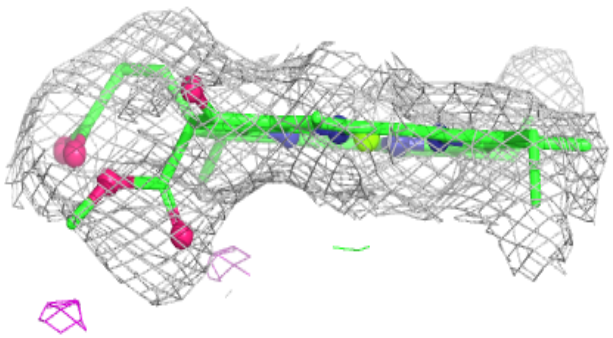


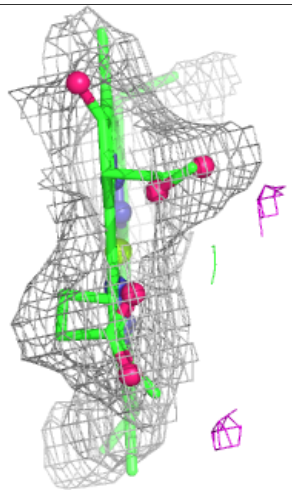


Electron density around CLA Q 202:

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

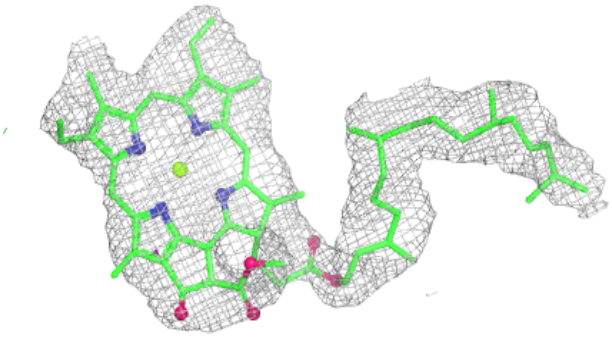


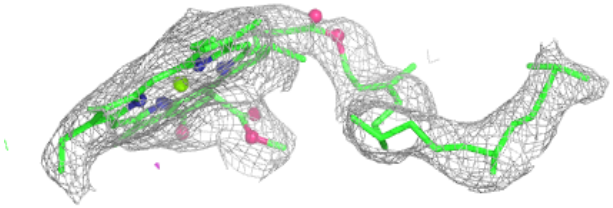


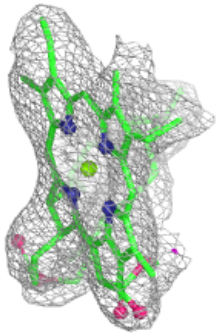


Electron density around CLA S 1101:

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

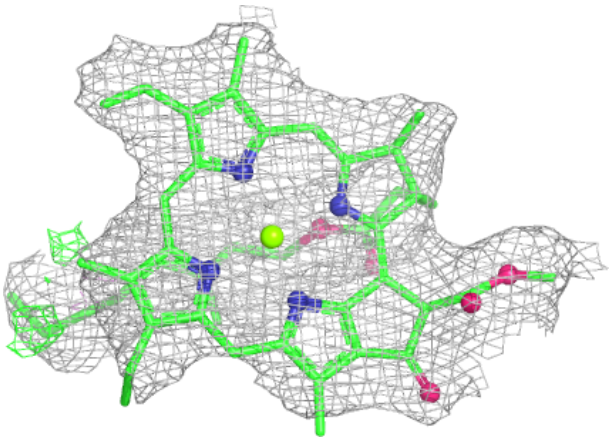


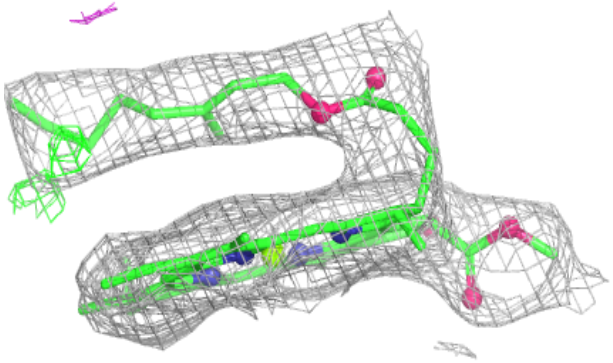


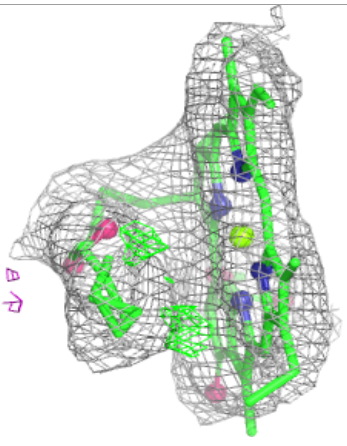


Electron density around CLA A 813:

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

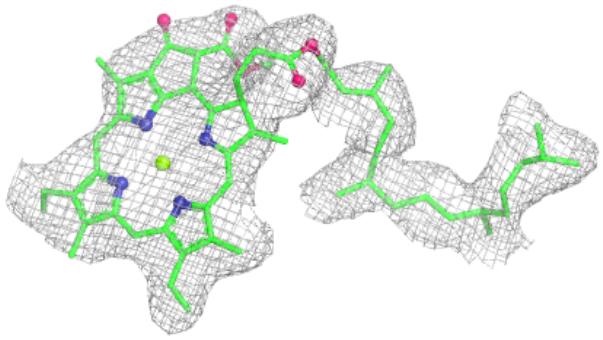


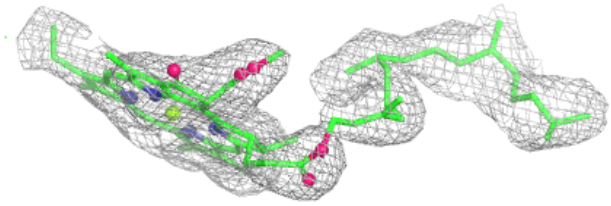


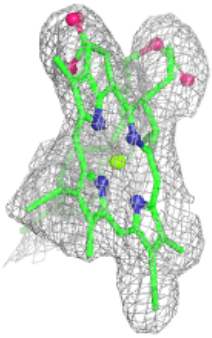


Electron density around CLA A 804:

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

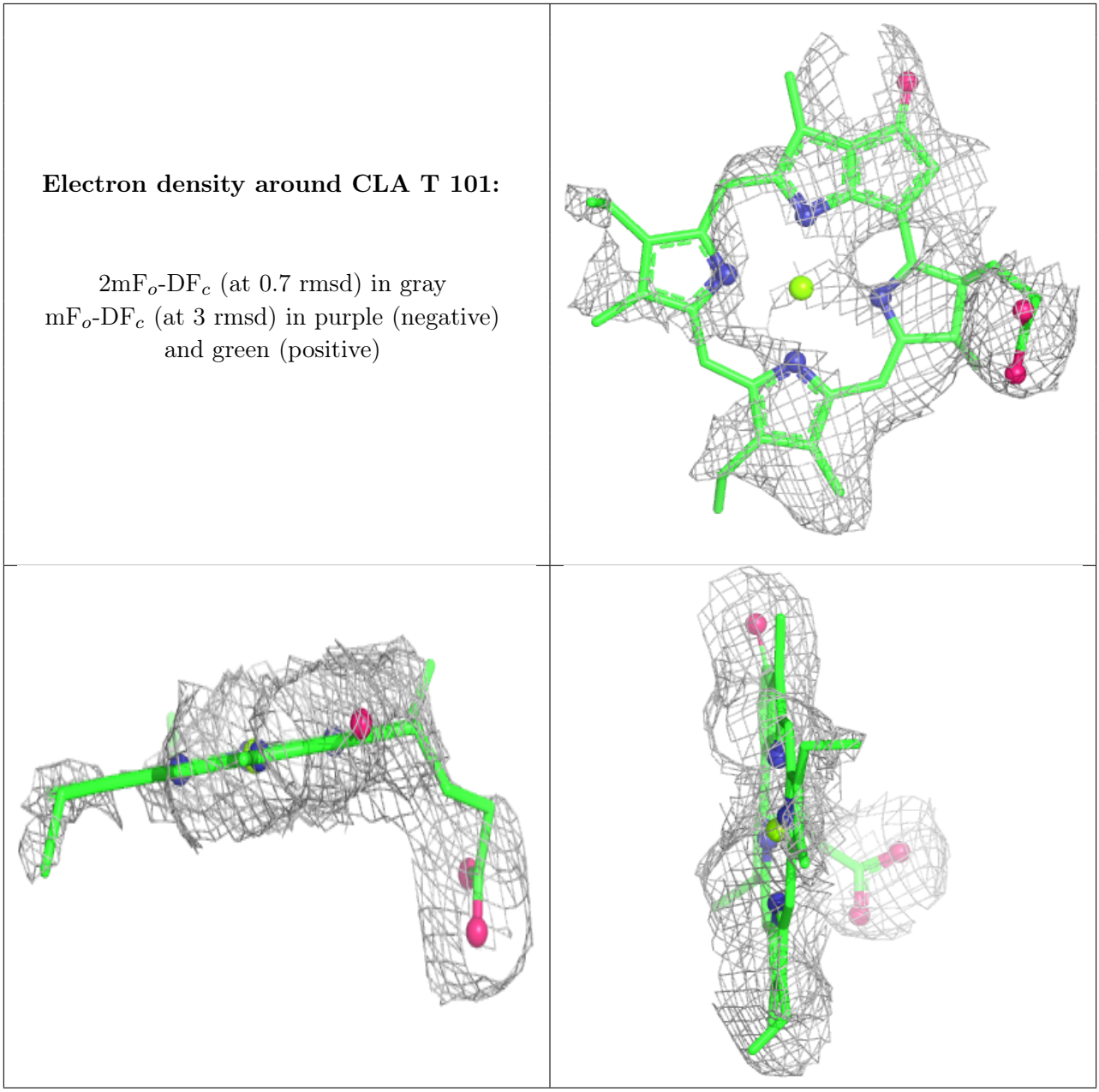






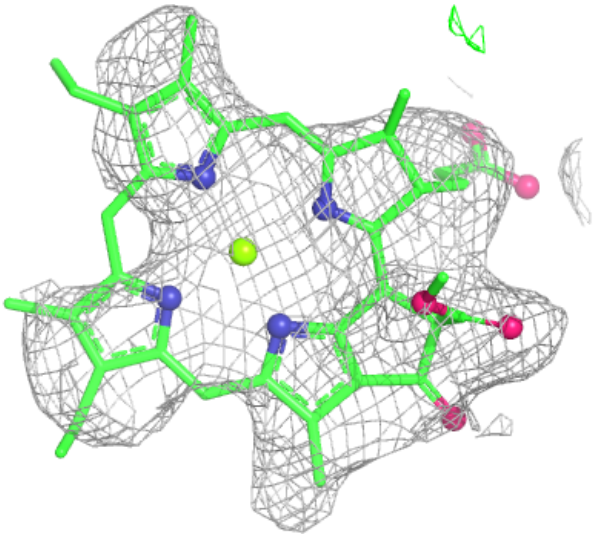
Electron density around CLA T 101:

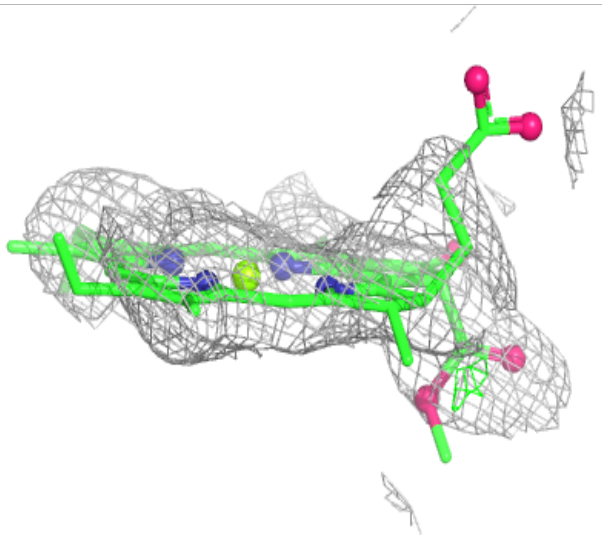
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

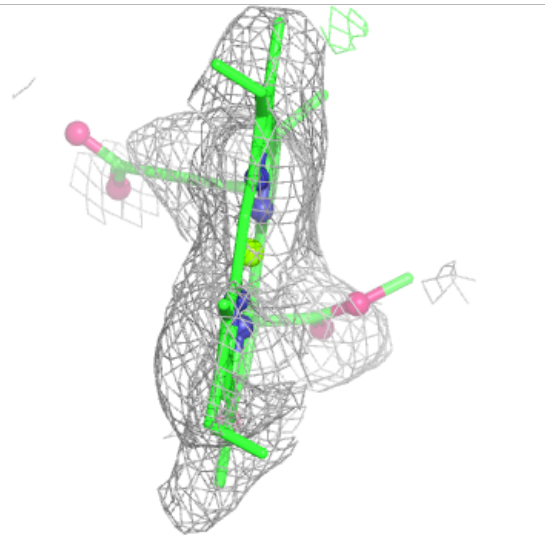


Electron density around CLA T 103:

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

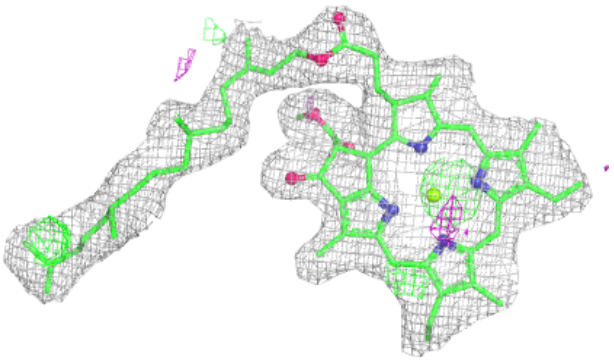


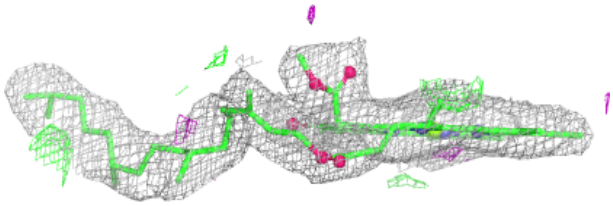


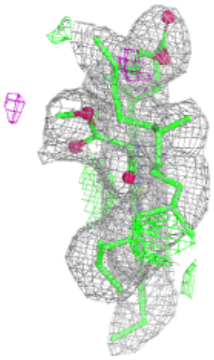


Electron density around CLA U 1004:

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

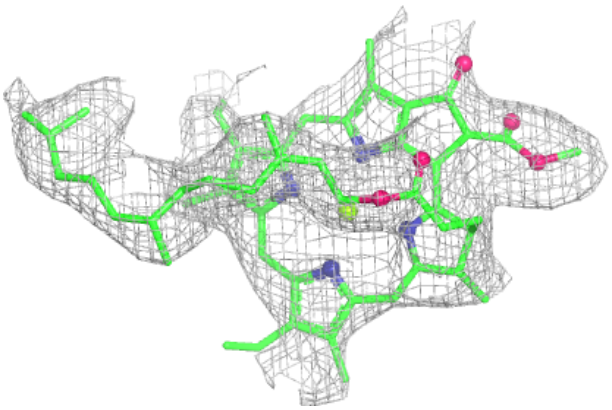


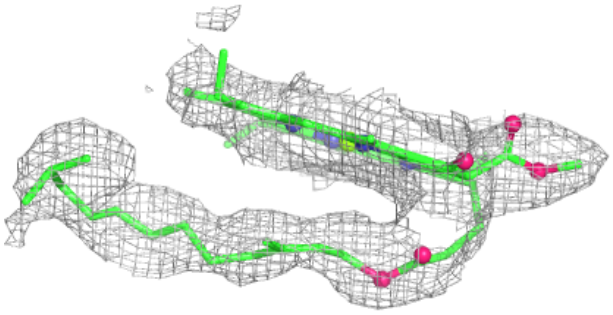


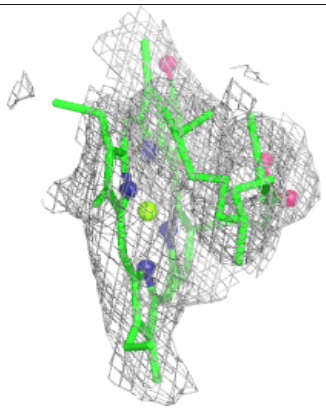


Electron density around CLA A 818:

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

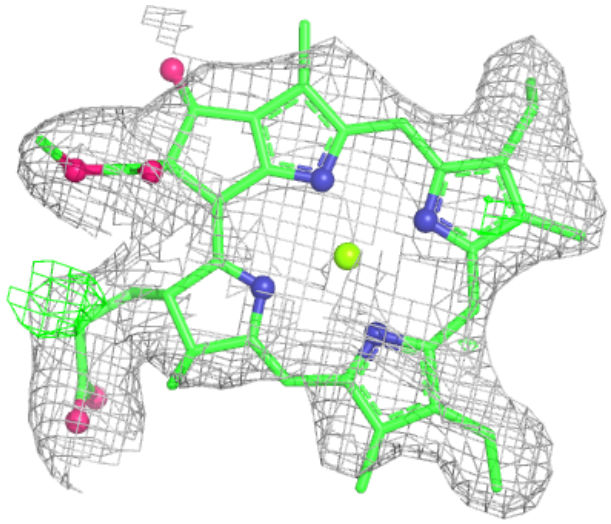


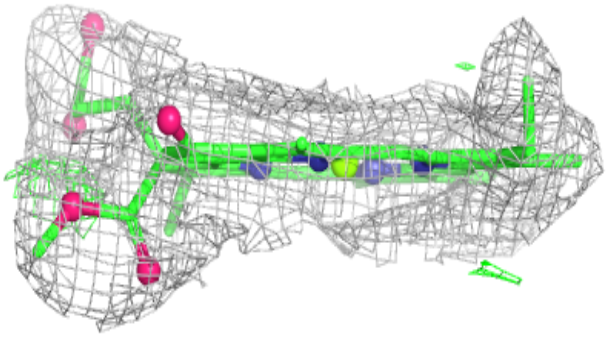


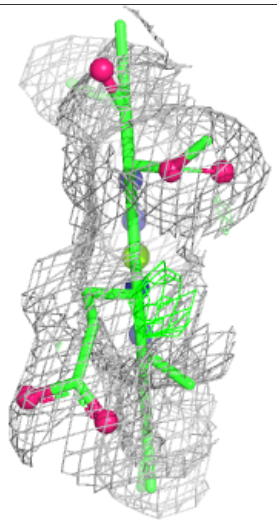


Electron density around CLA X 1701:

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

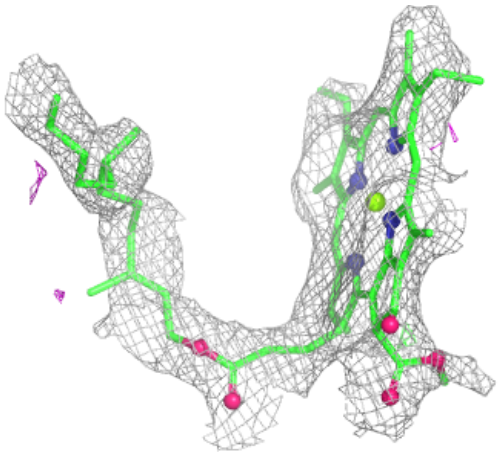


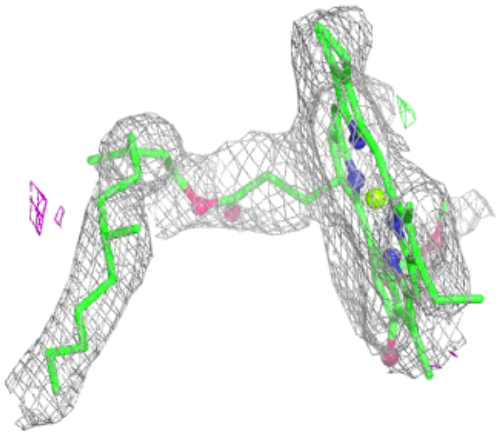


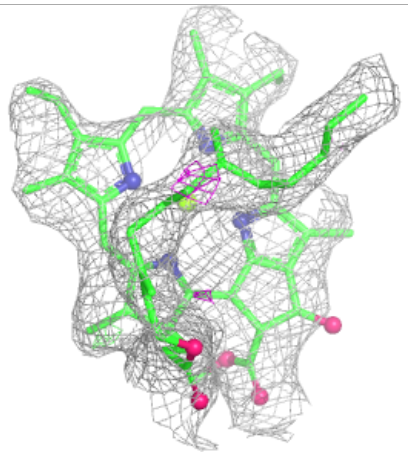


Electron density around CLA Y 804:

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

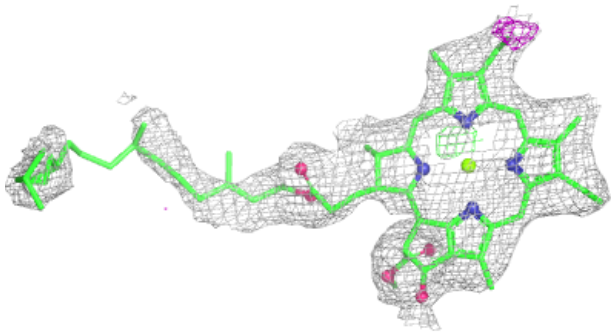


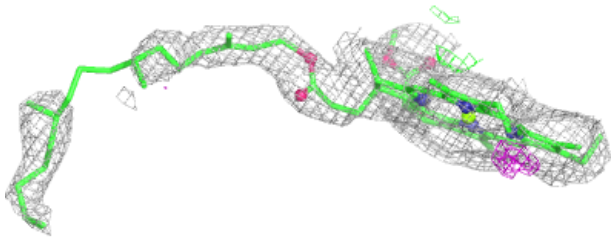


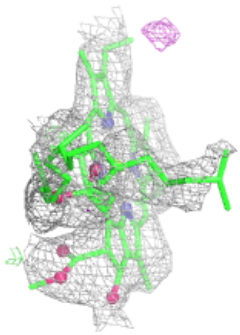


Electron density around CLA Y 805:

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

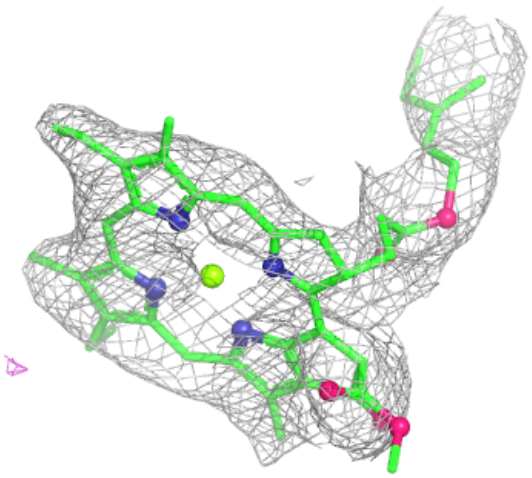


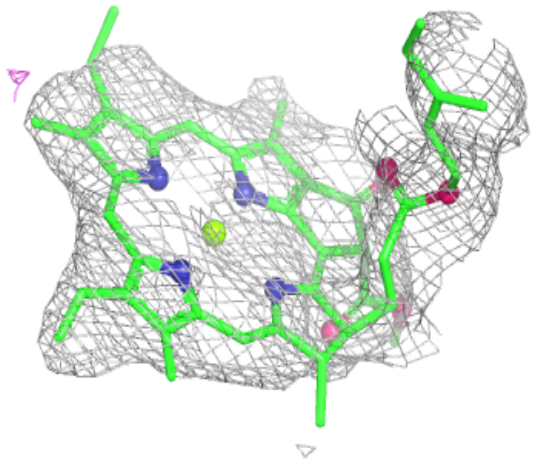


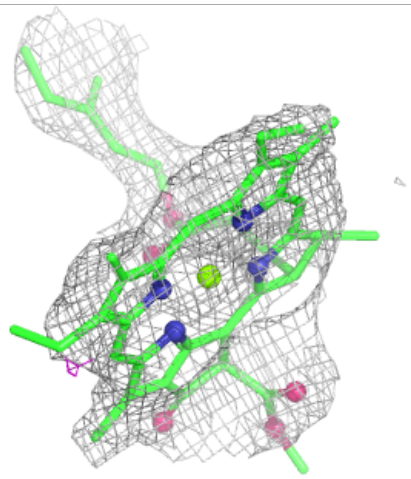


Electron density around CLA Y 807:

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

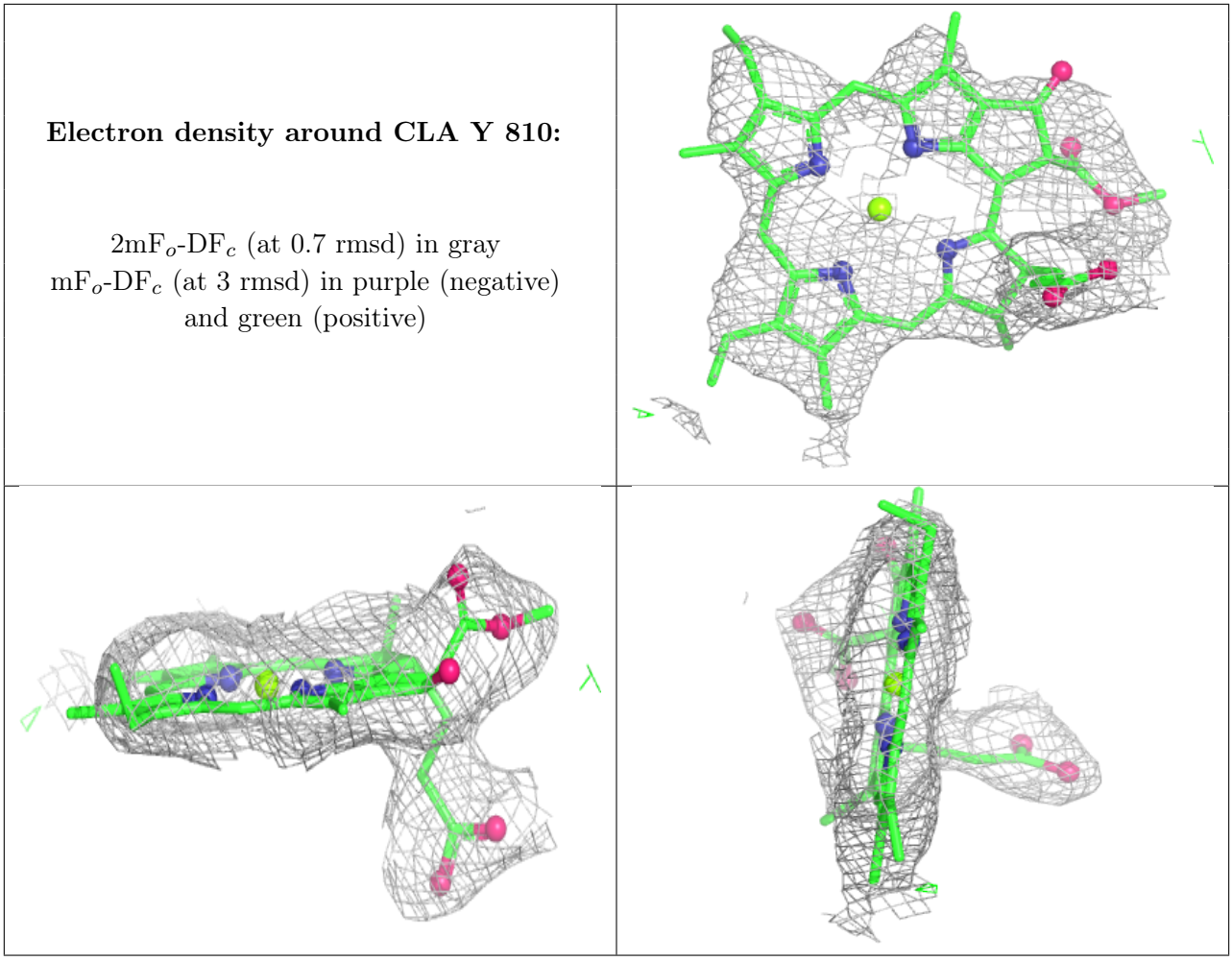






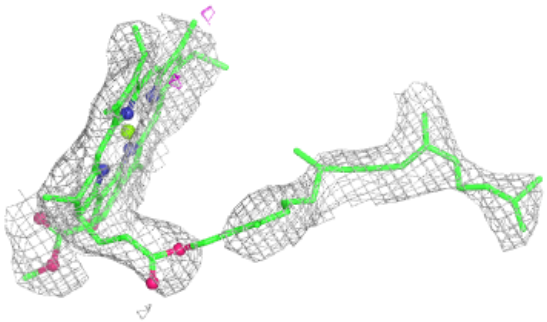
Electron density around CLA Y 810:

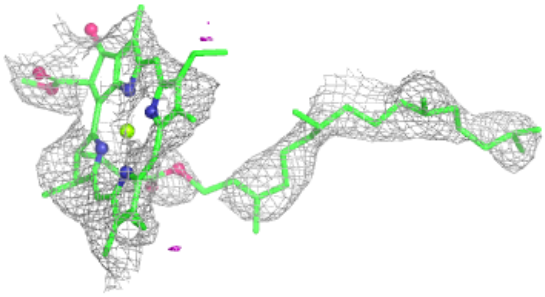
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

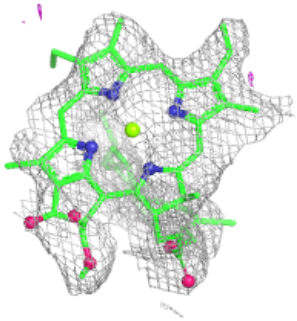


Electron density around CLA Y 811:

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

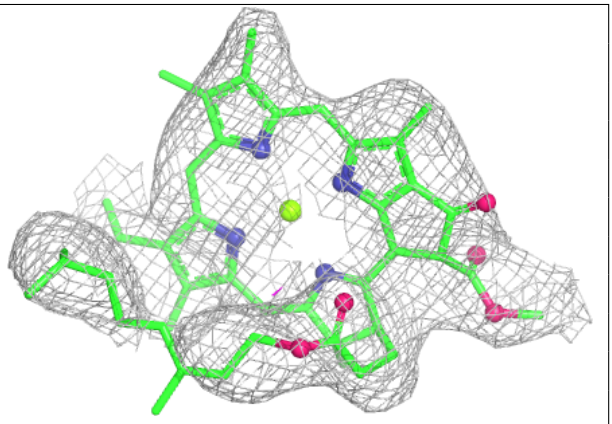


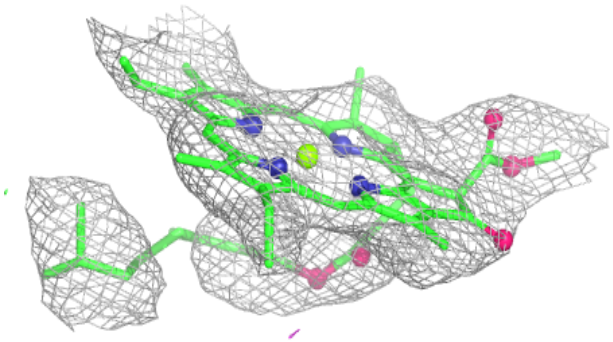


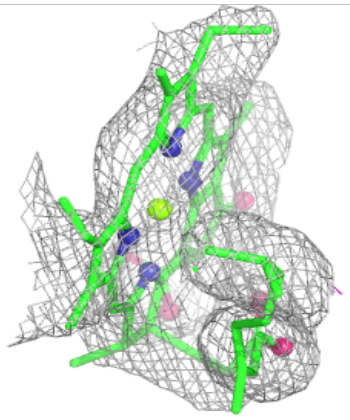


Electron density around CLA Y 812:

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

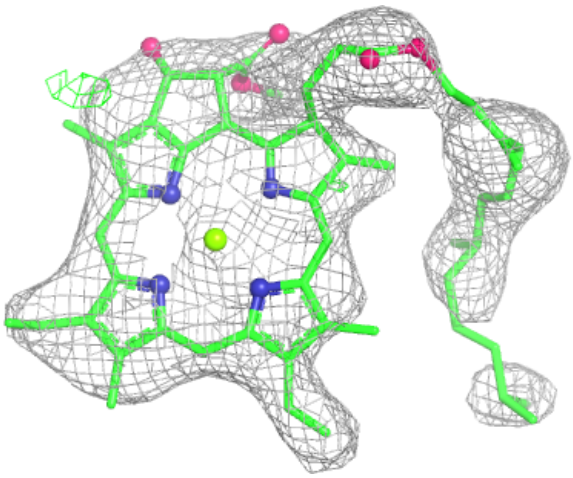


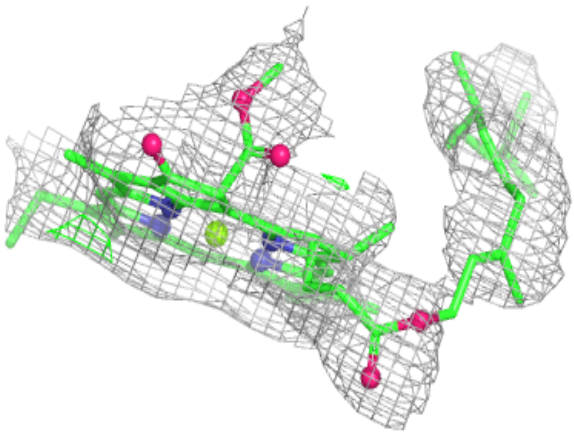


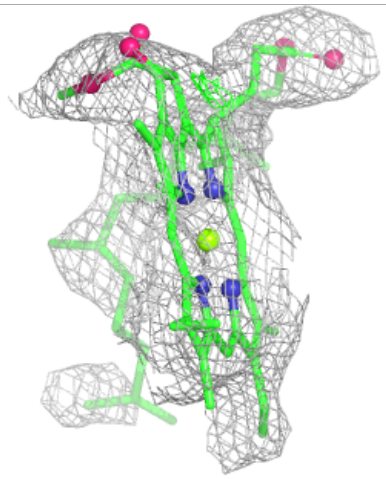


Electron density around CLA Y 813:

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

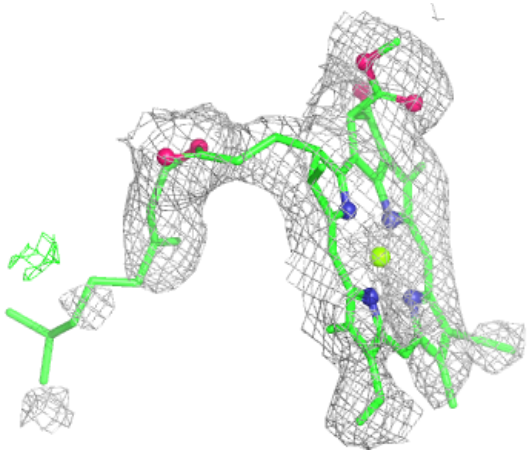


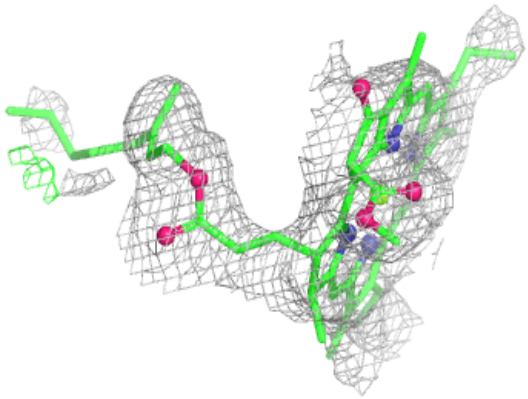


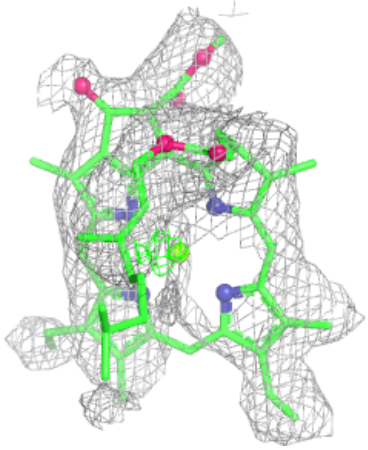


Electron density around CLA Y 814:

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

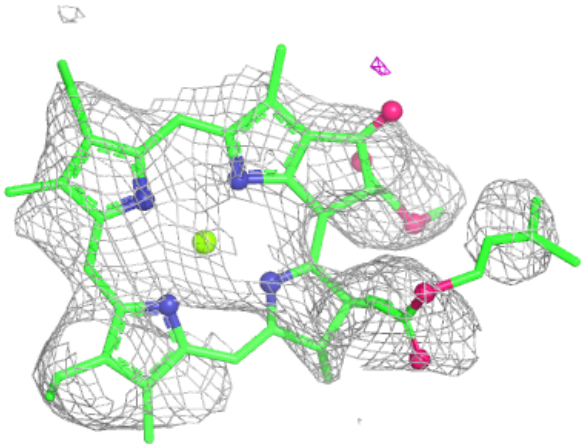


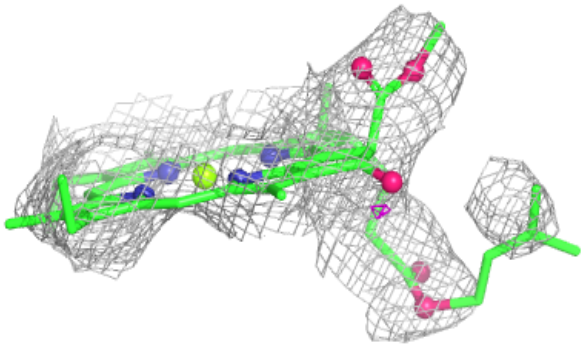


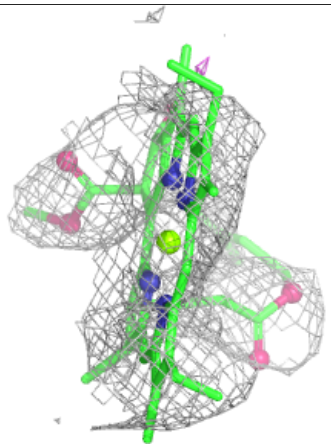


Electron density around CLA Y 816:

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

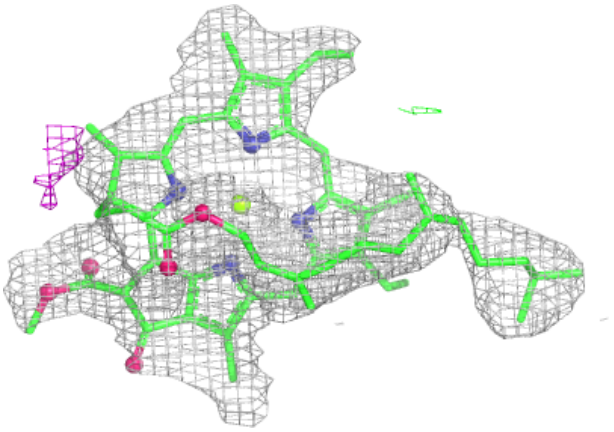


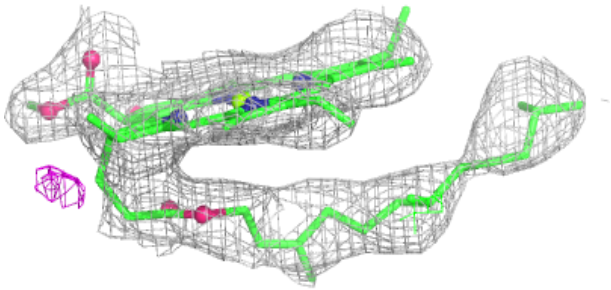


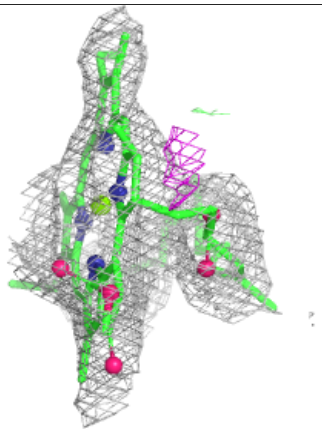


Electron density around CLA Y 817:

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

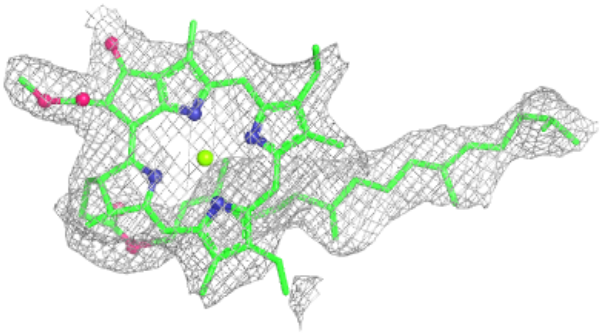


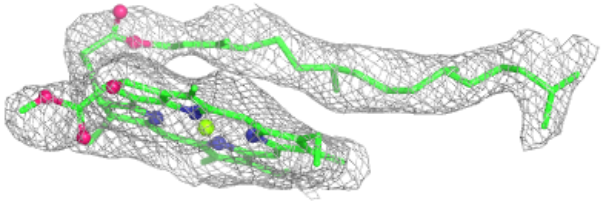


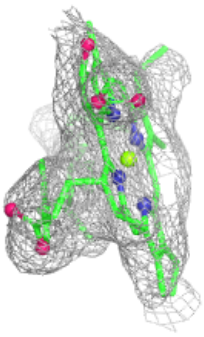


Electron density around CLA A 819:

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

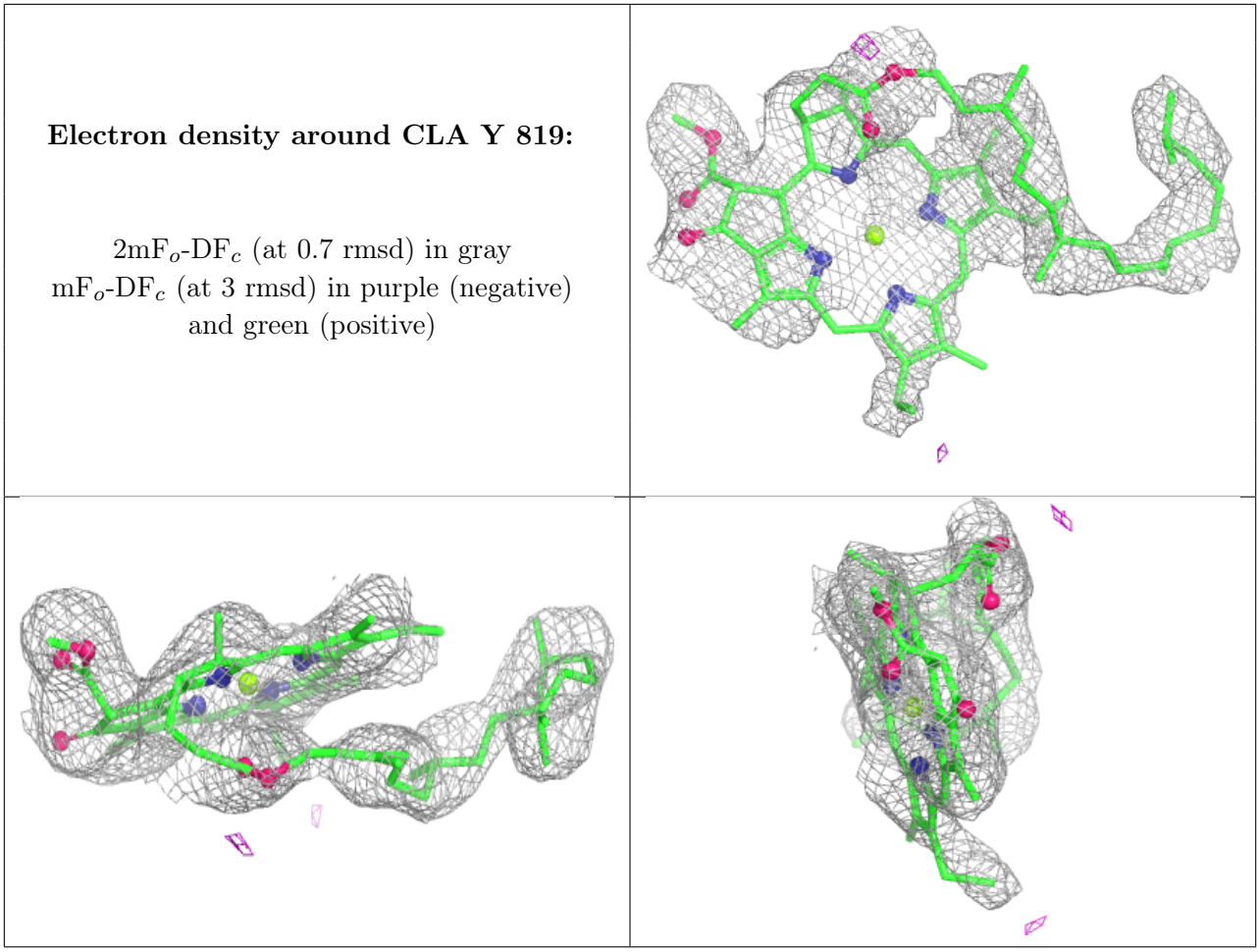






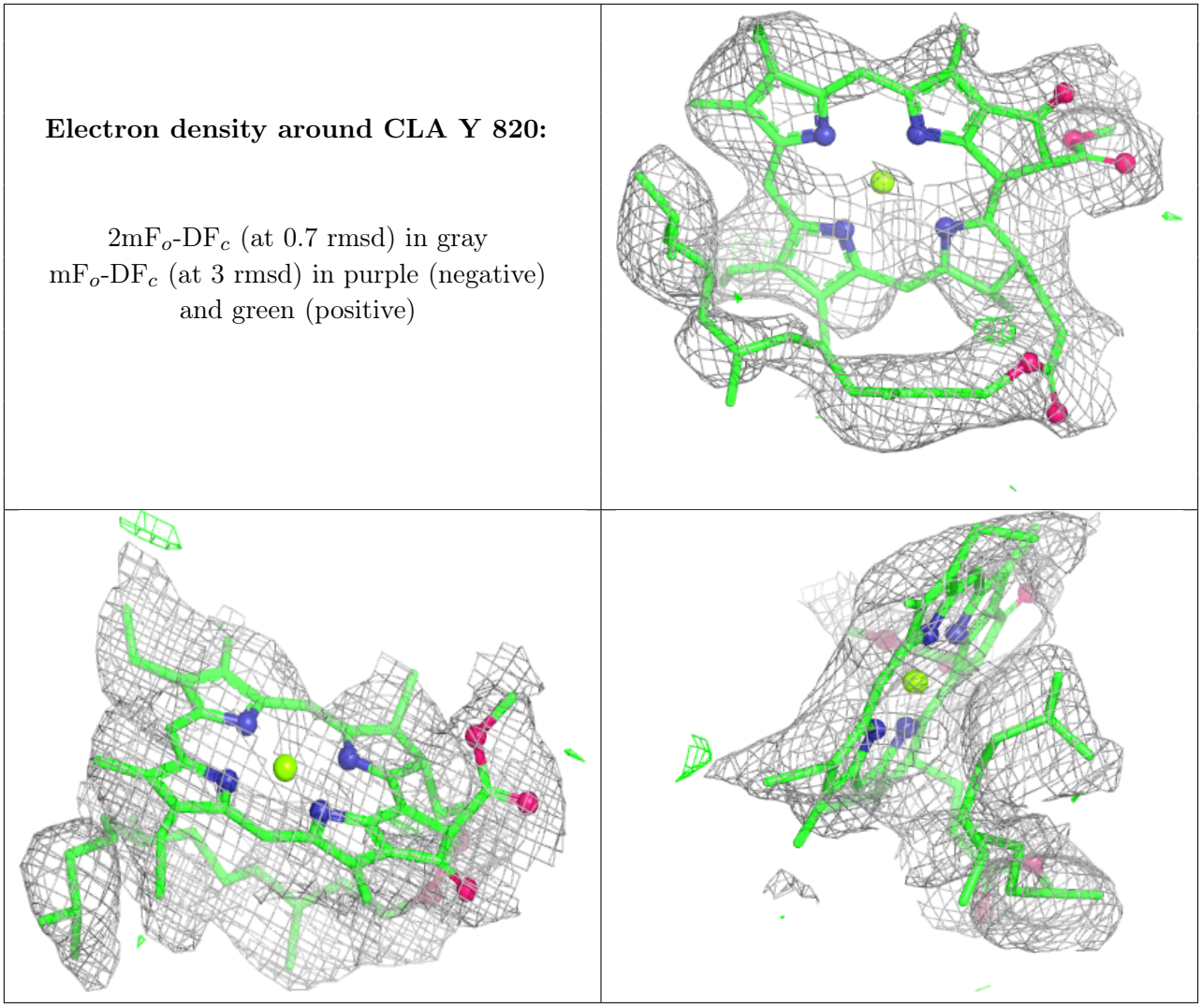
Electron density around CLA Y 819:

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



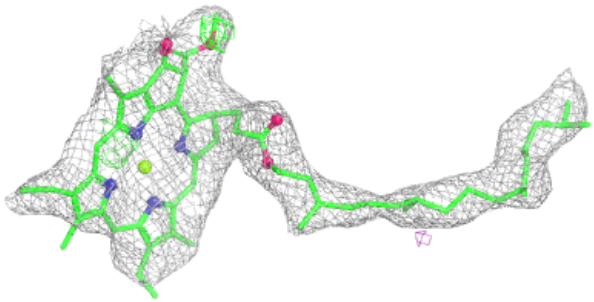
Electron density around CLA Y 820:

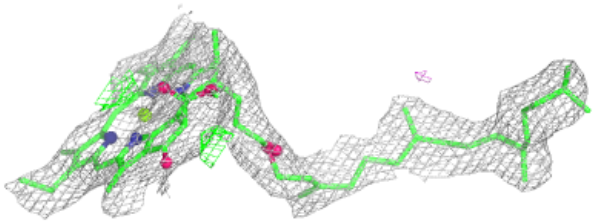
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

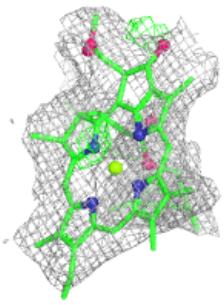


Electron density around CLA Y 821:

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

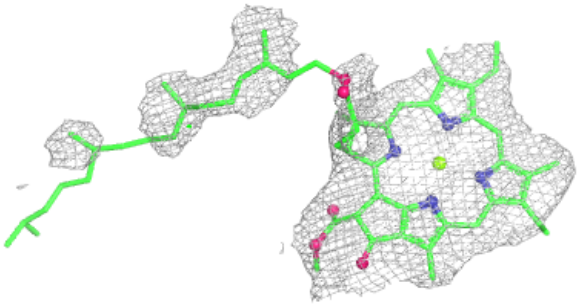


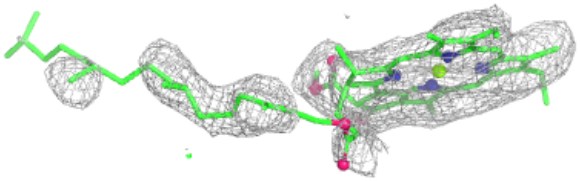


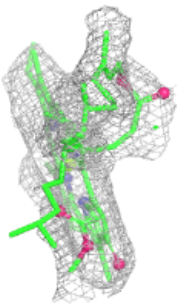


Electron density around CLA Y 822:

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

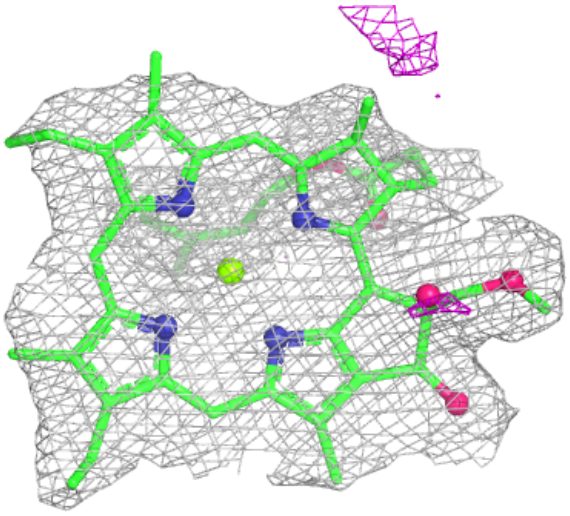


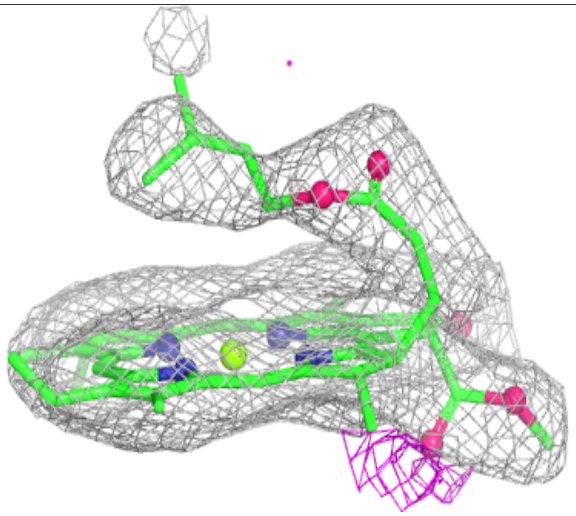


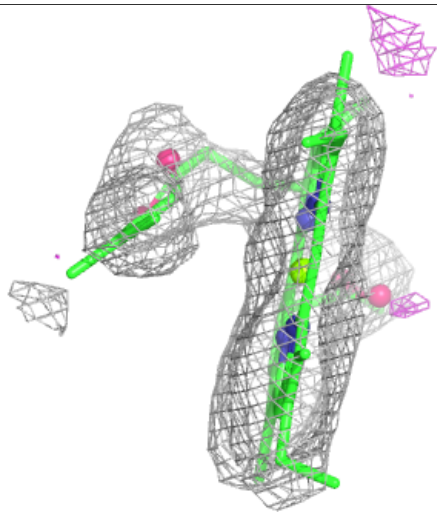


Electron density around CLA Y 823:

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

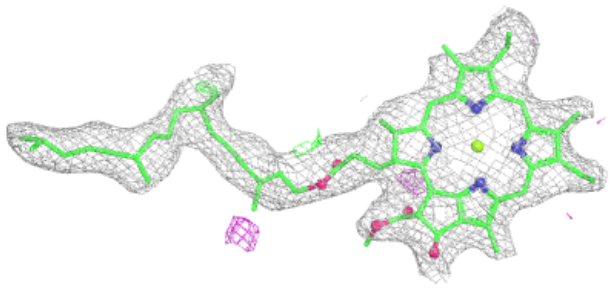


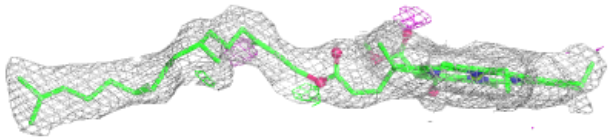




Electron density around CLA Y 832:

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

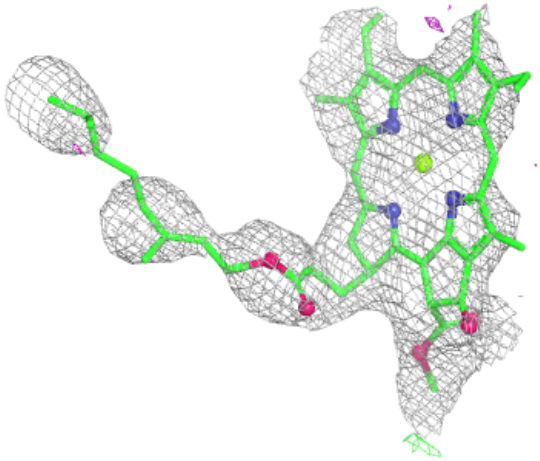


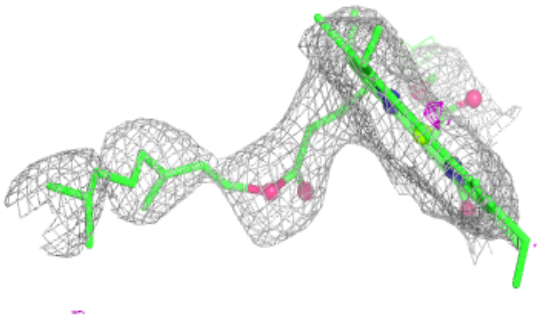


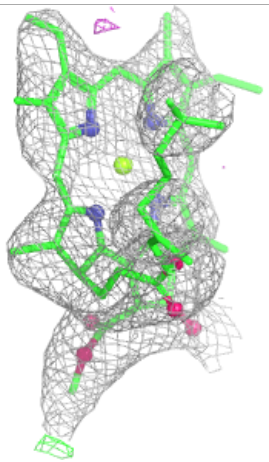


Electron density around CLA Y 833:

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

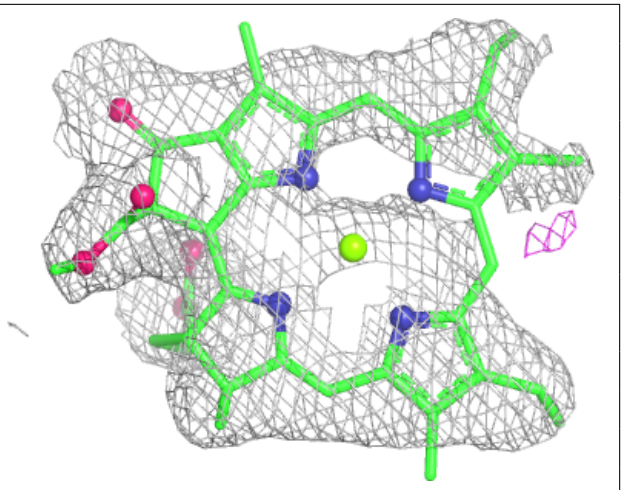


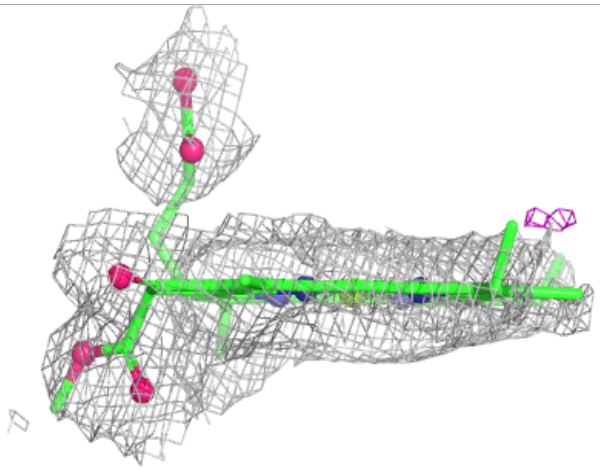


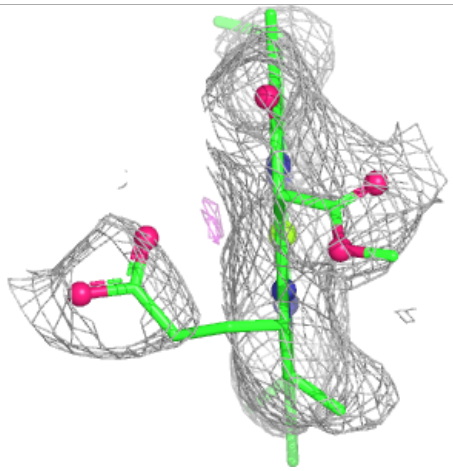


Electron density around CLA Y 834:

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

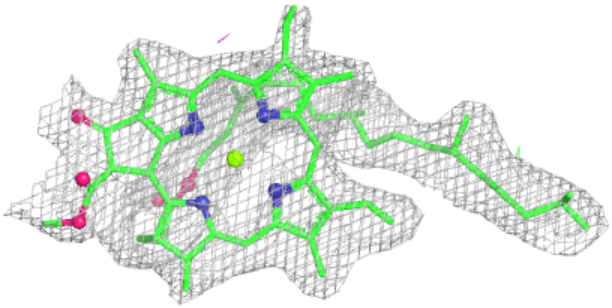


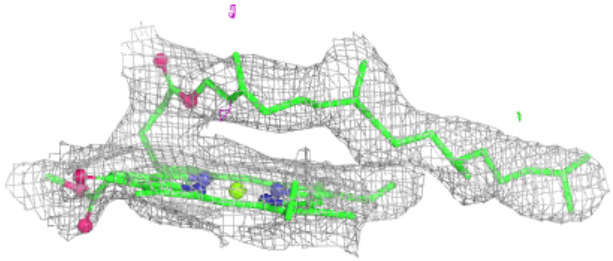


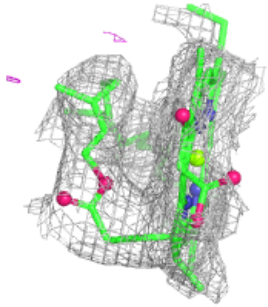


Electron density around CLA Y 838:

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

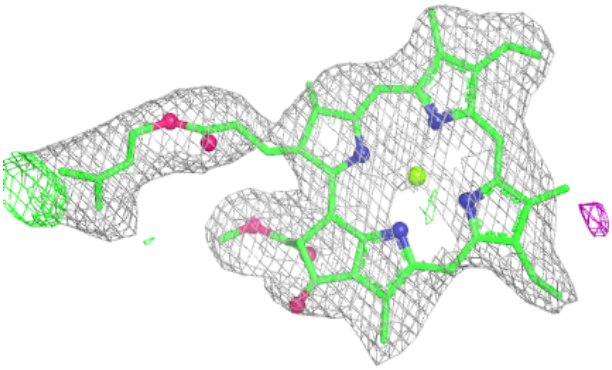


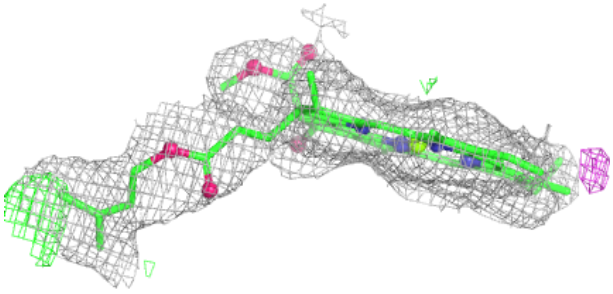


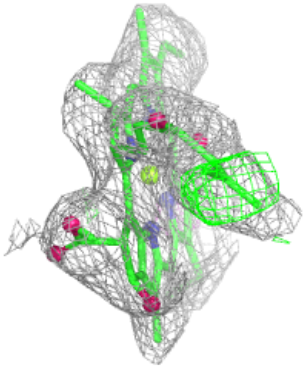


Electron density around CLA Y 839:

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

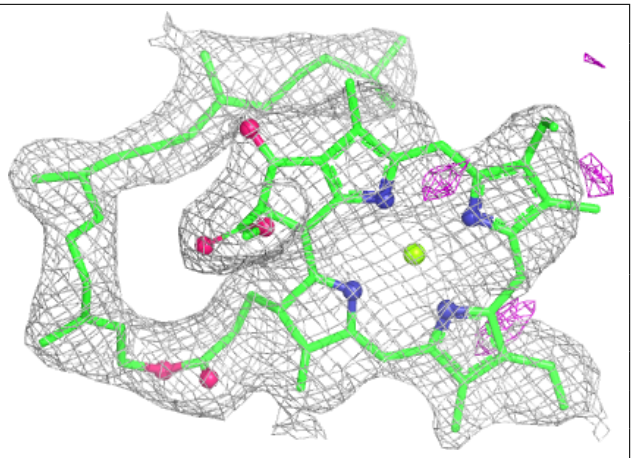


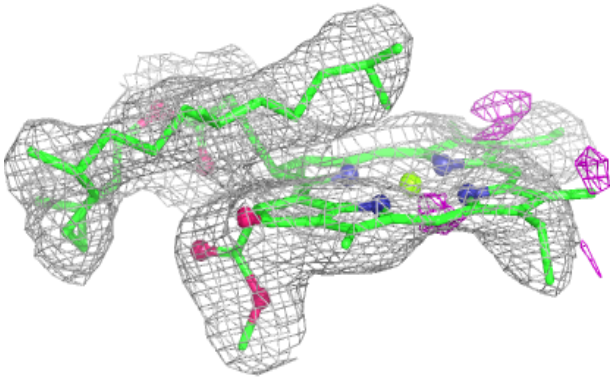


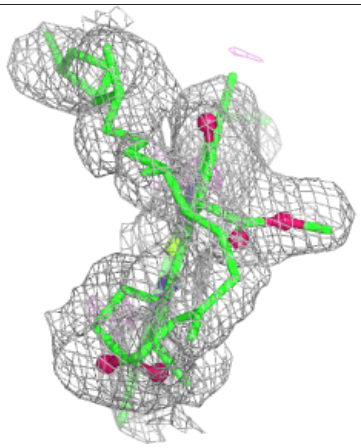


Electron density around CLA Z 806:

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

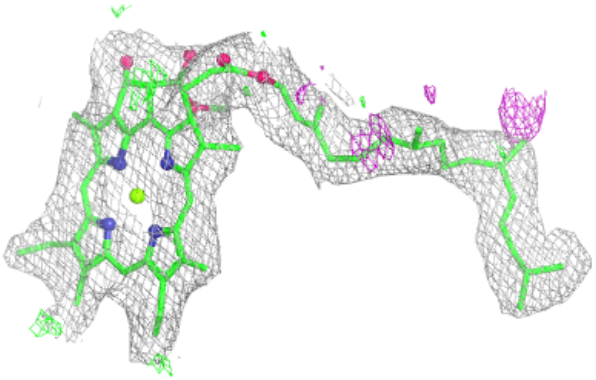


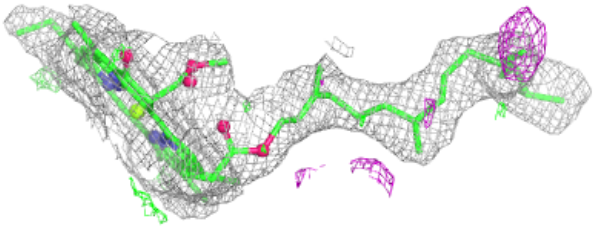


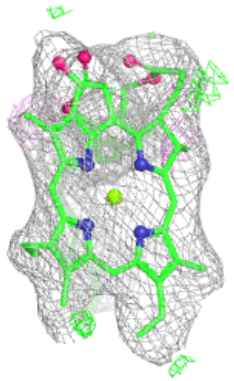


Electron density around CLA Z 811:

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

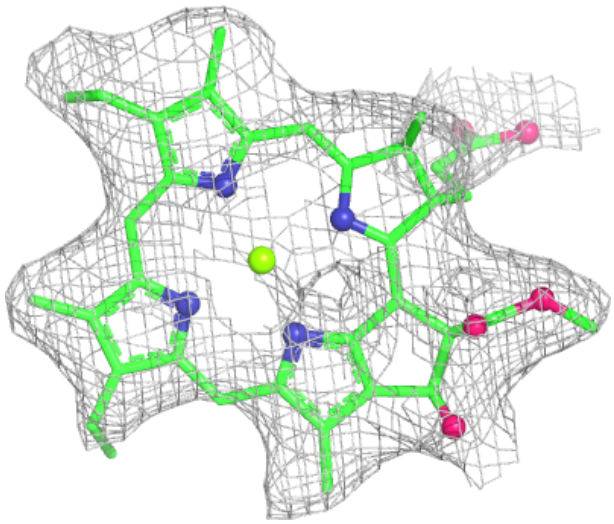


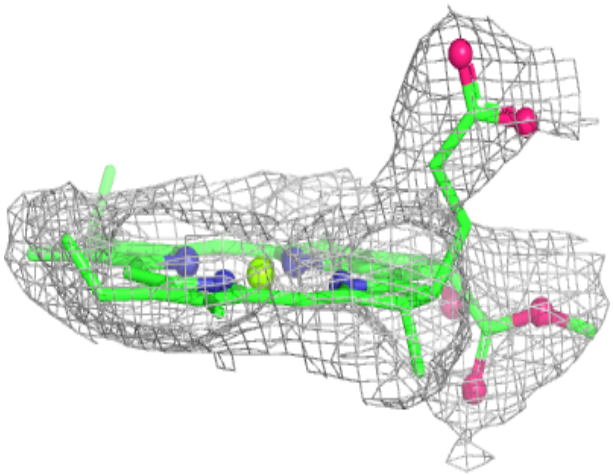


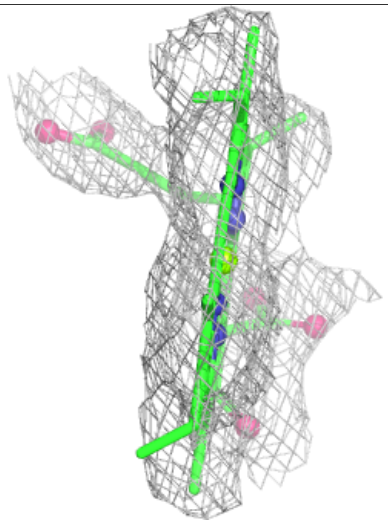


Electron density around CLA Z 813:

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

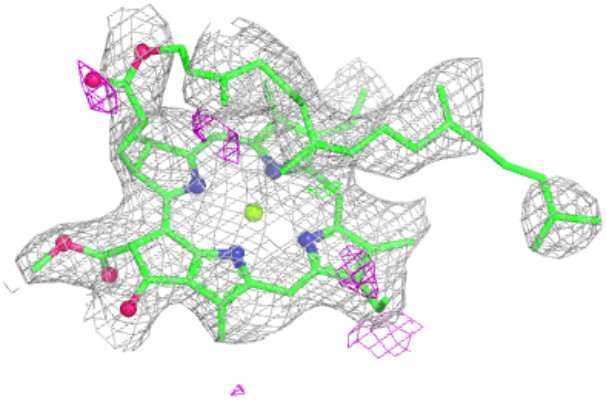


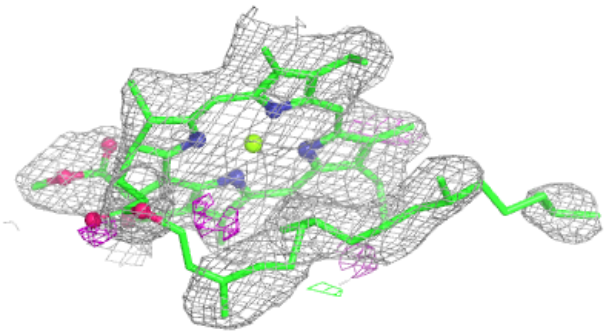


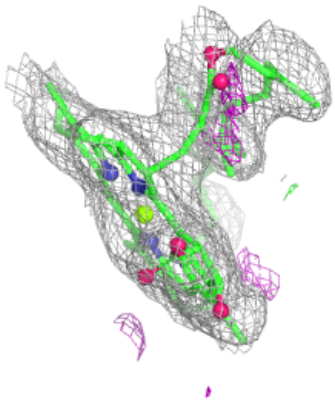


Electron density around CLA Z 818:

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

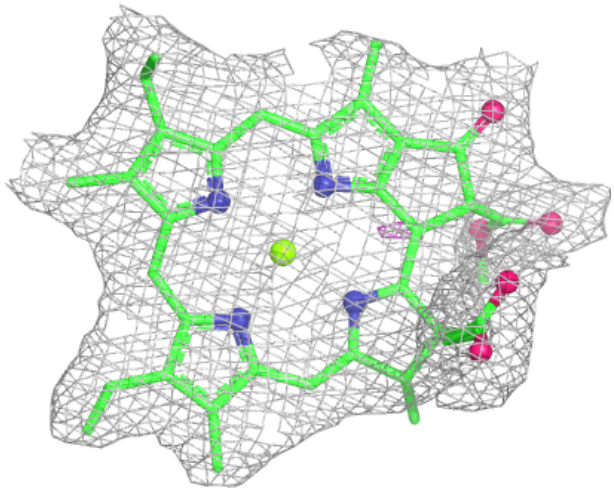


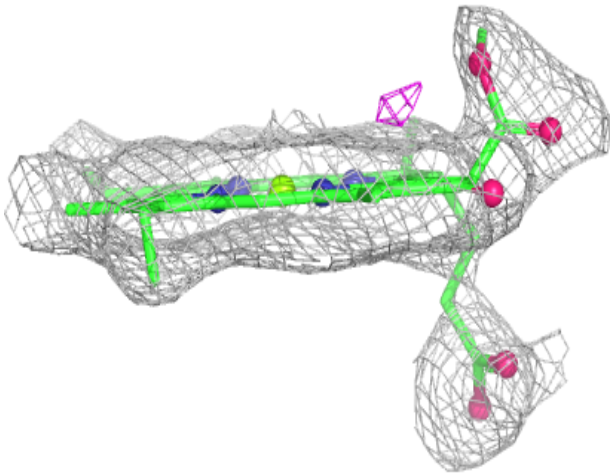


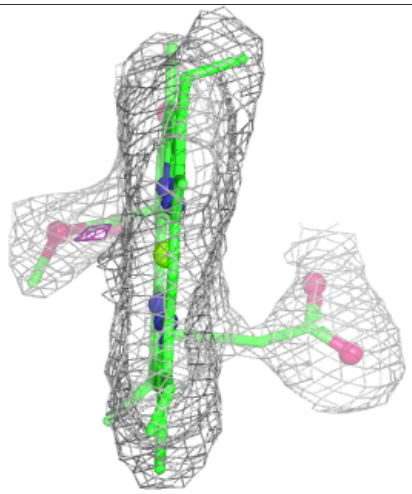


Electron density around CLA Z 822:

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

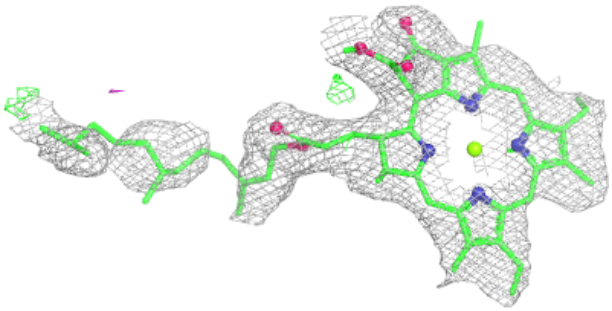


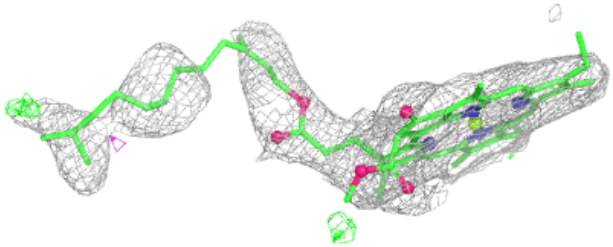


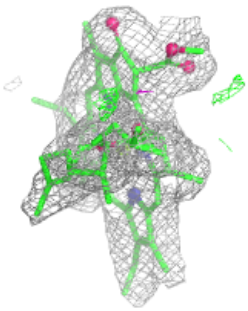


Electron density around CLA Z 824:

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

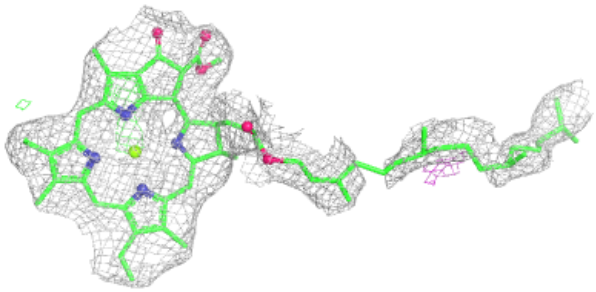


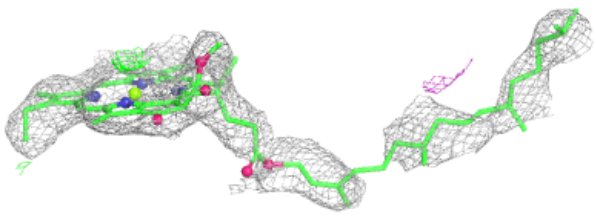


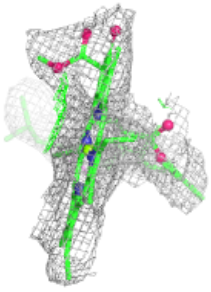


Electron density around CLA Z 826:

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

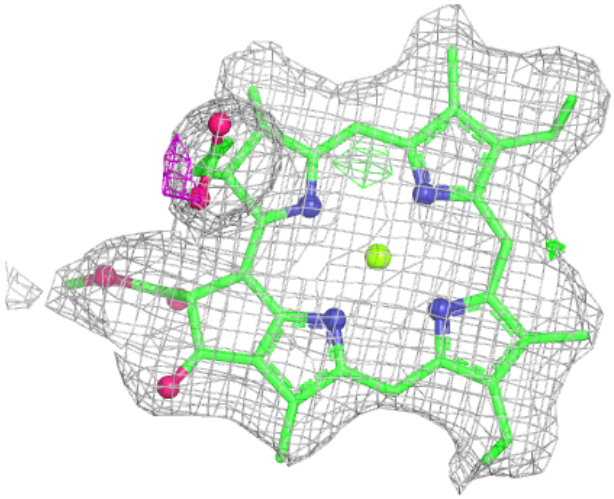


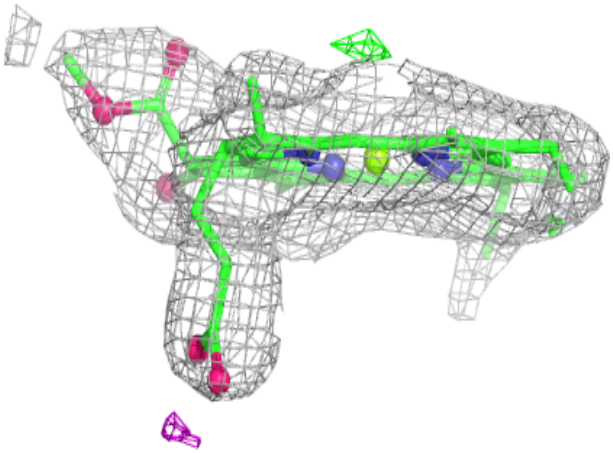


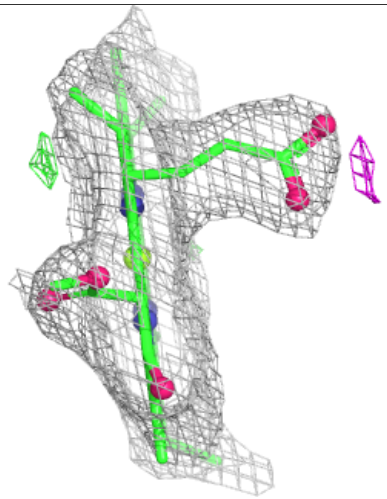


Electron density around CLA Z 832:

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

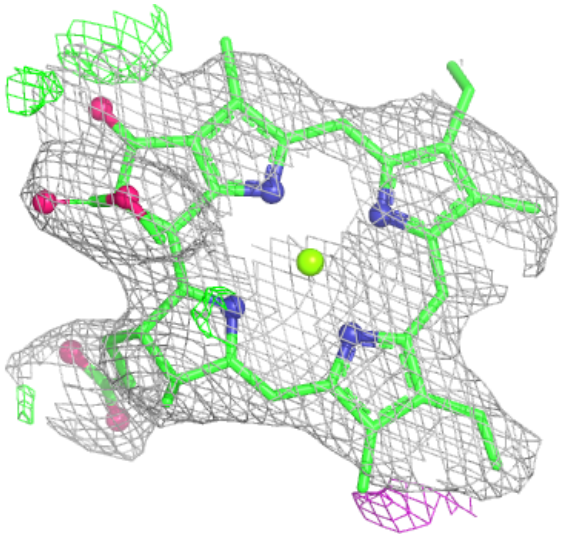


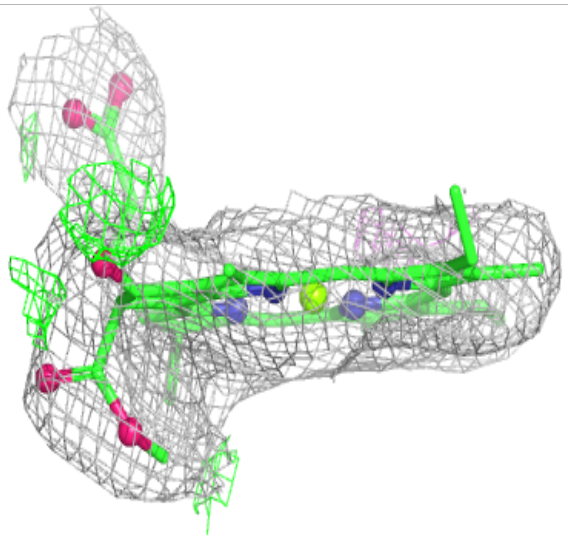


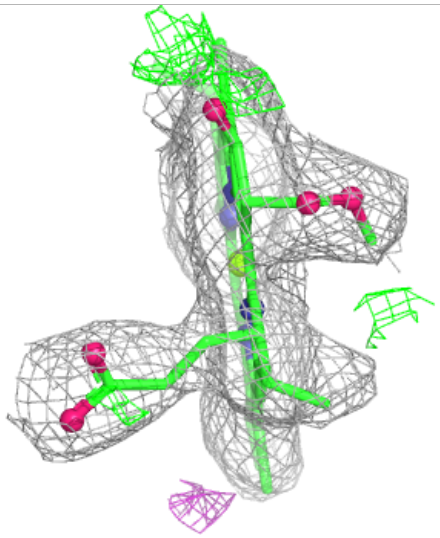


Electron density around CLA Z 834:

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

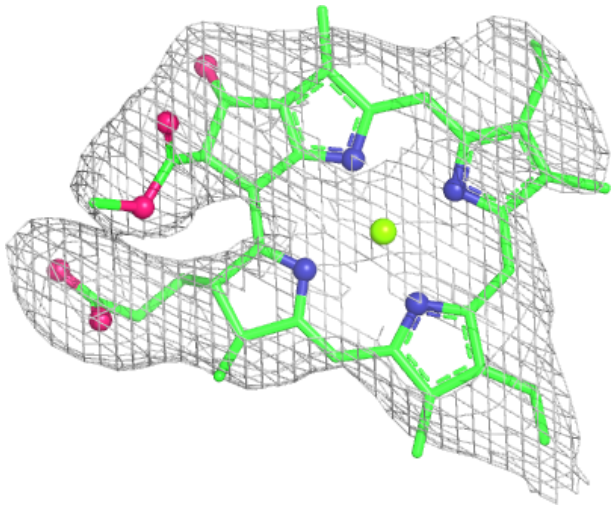


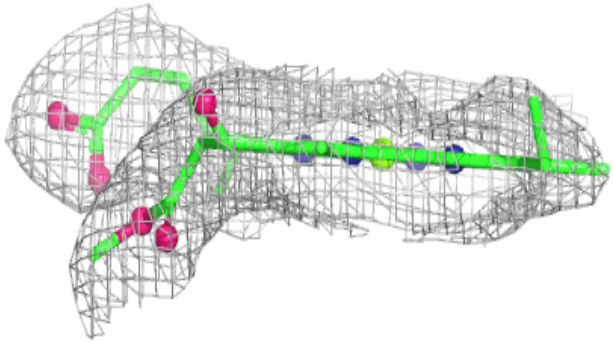


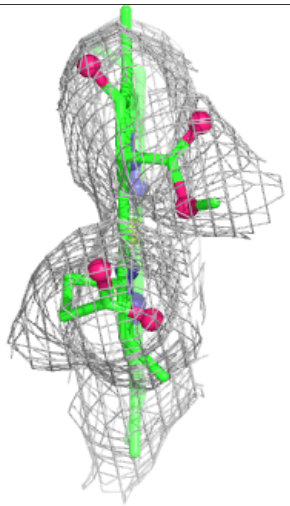


Electron density around CLA Z 836:

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

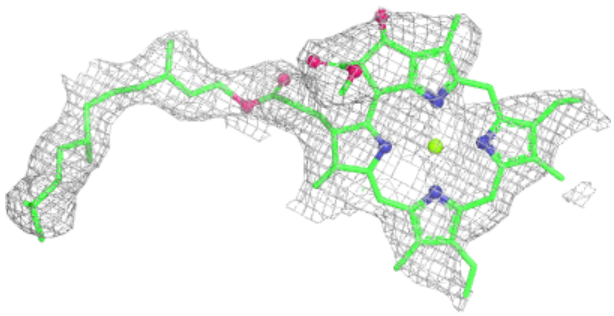


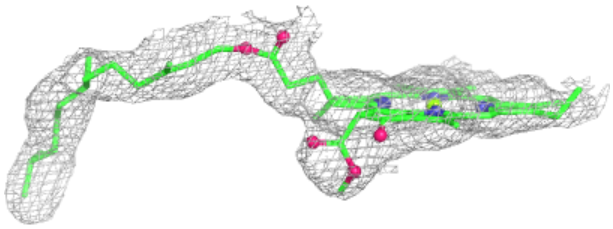


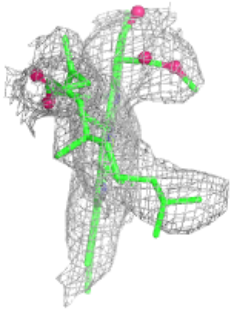


Electron density around CLA Z 837:

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

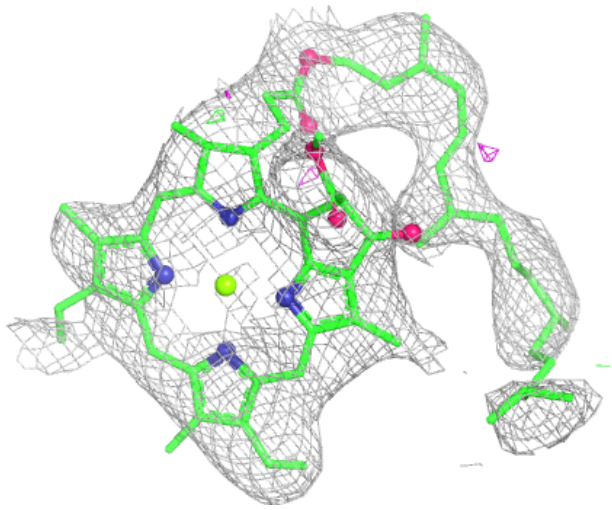


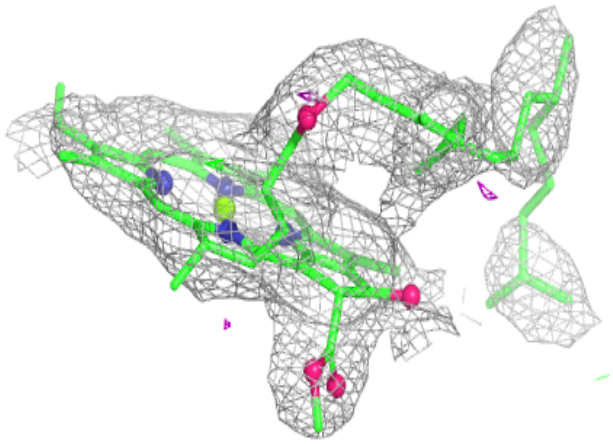


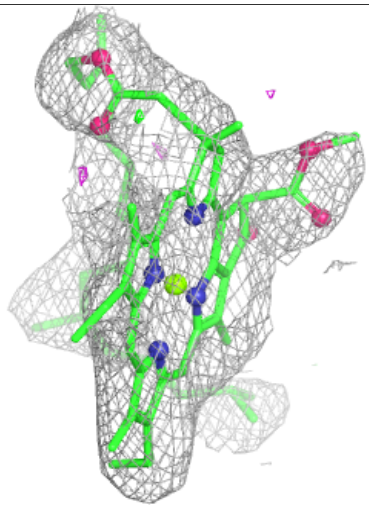


Electron density around CLA d 201:

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

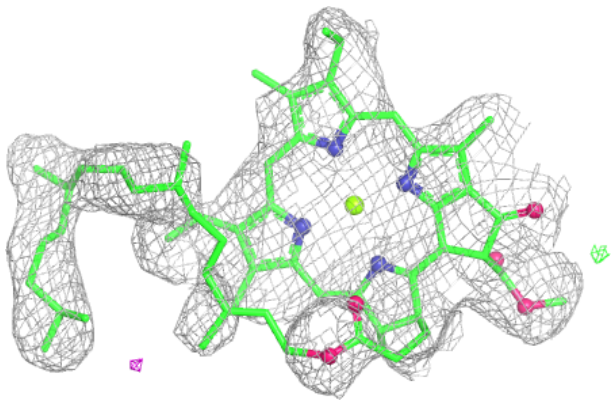


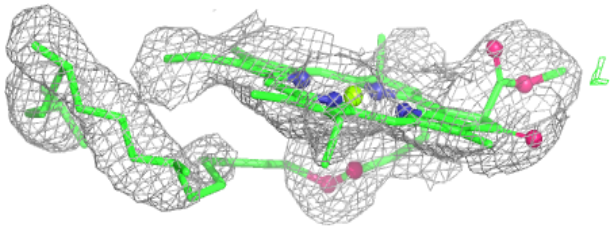




Electron density around CLA A 820:

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

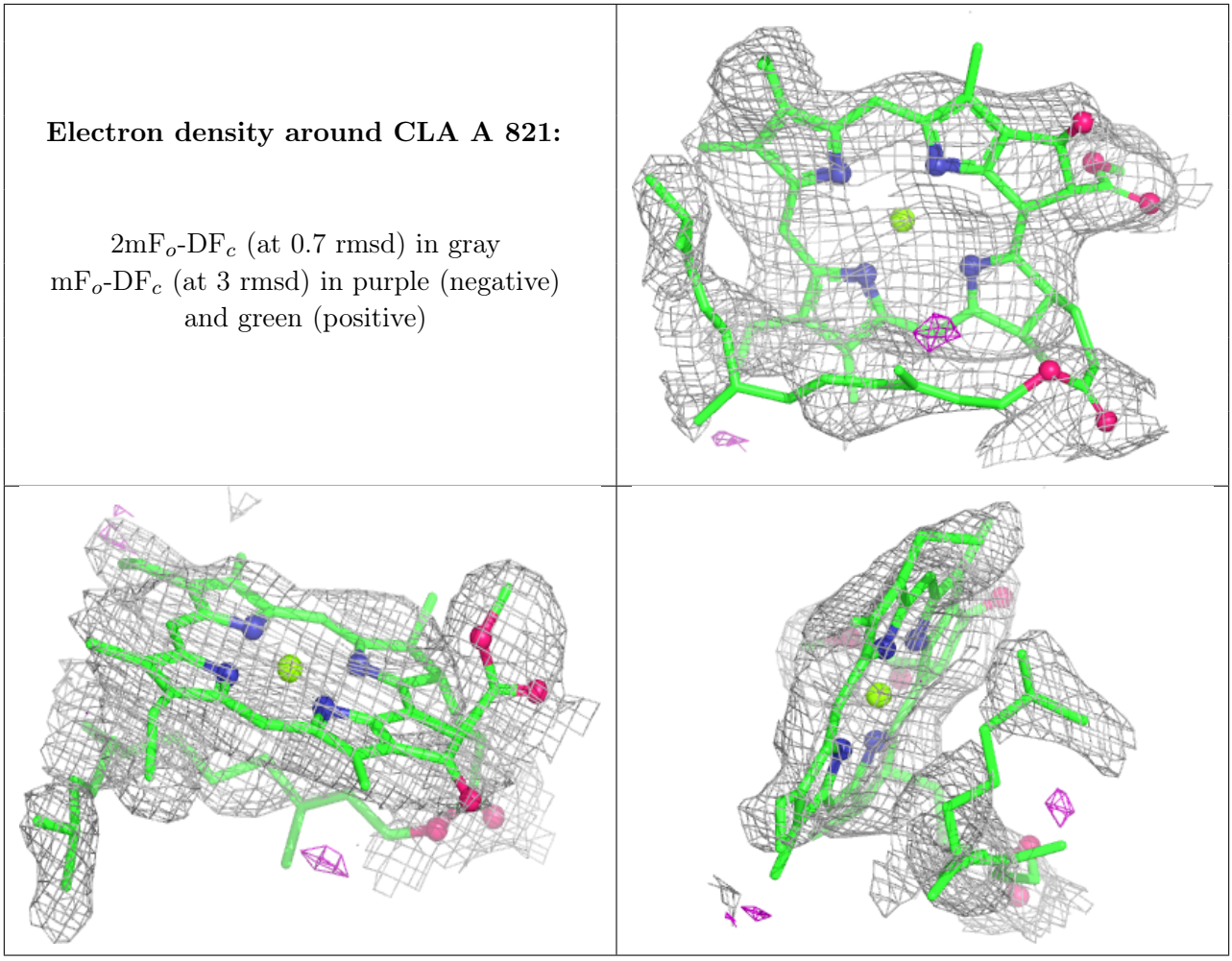






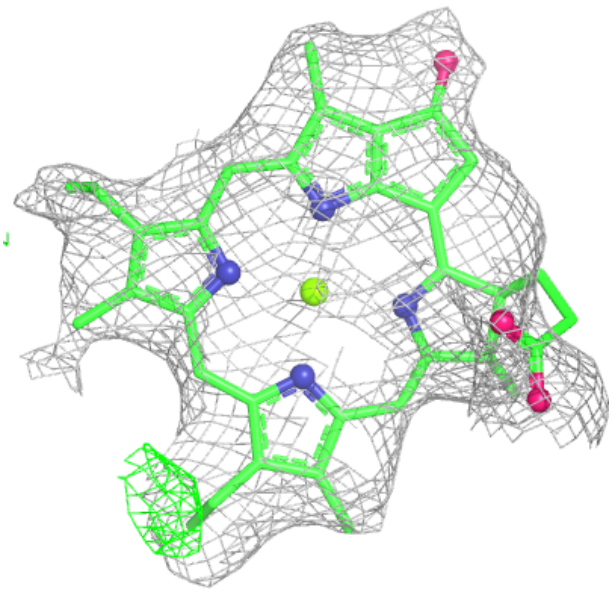
Electron density around CLA A 821:

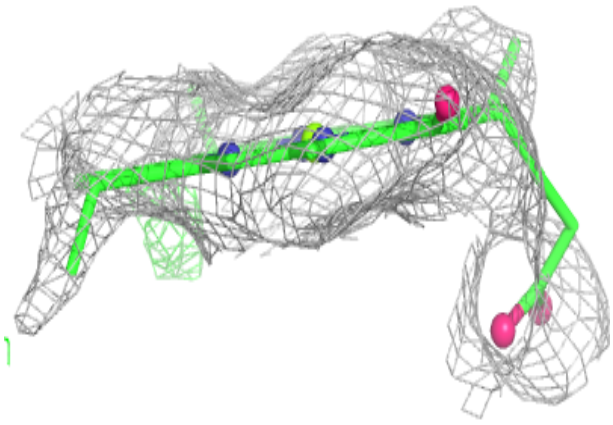
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



Electron density around CLA g 101:

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

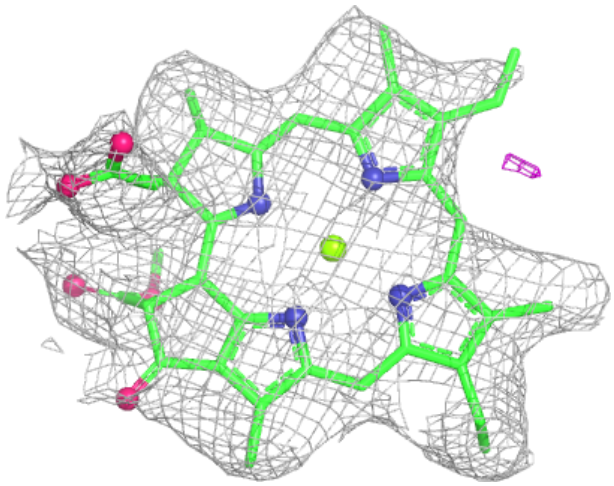


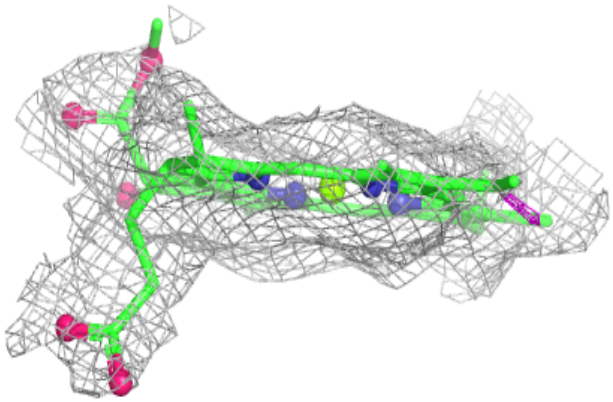


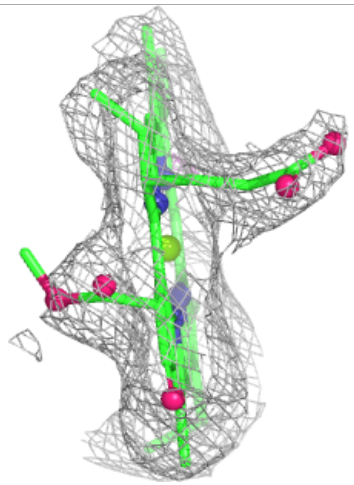


Electron density around CLA g 102:

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

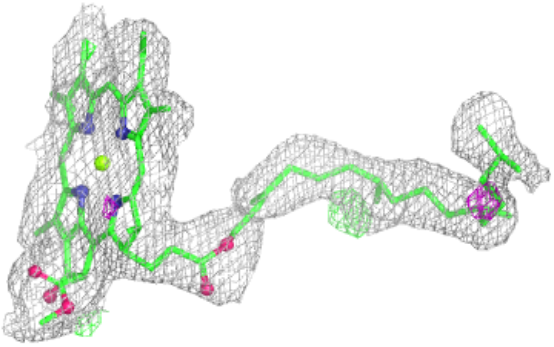


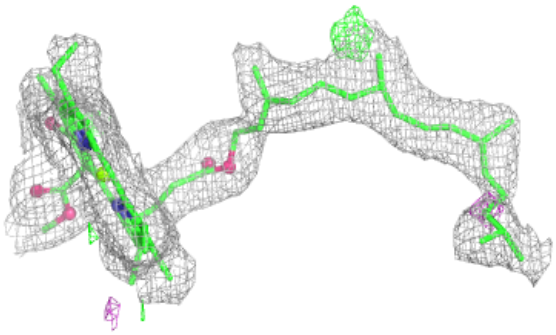


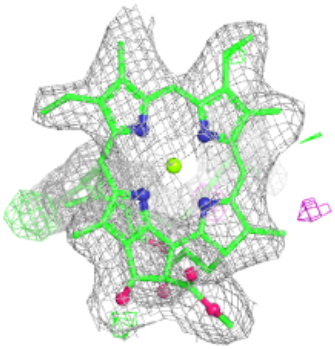


Electron density around CLA h 205:

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

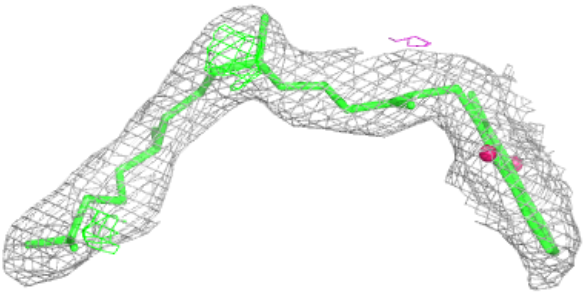


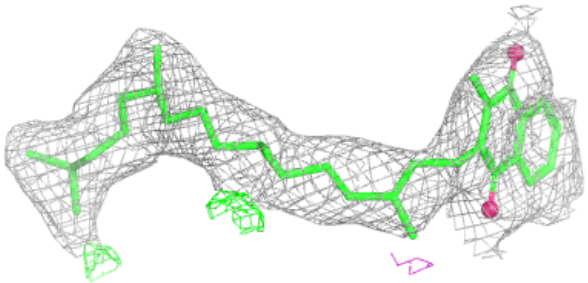


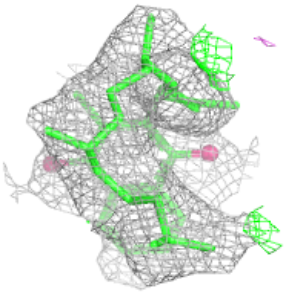


Electron density around PQN B 841:

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

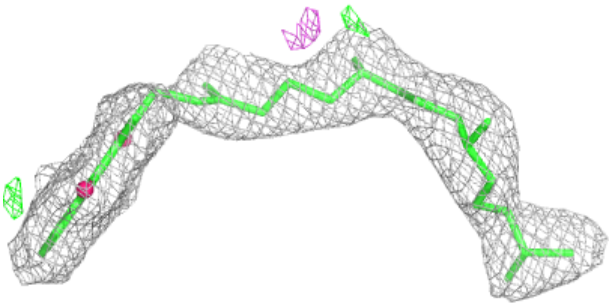


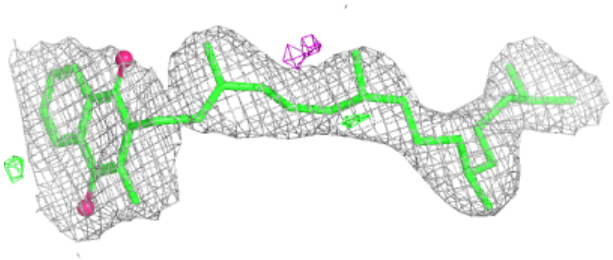


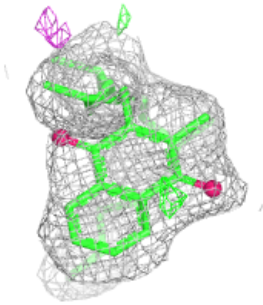


Electron density around PQN Z 842:

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

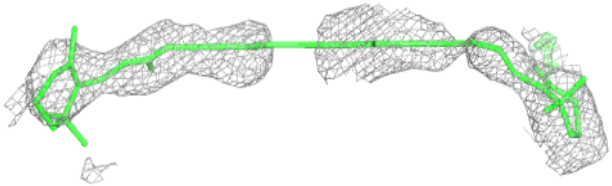


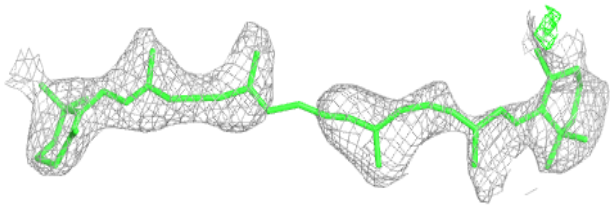


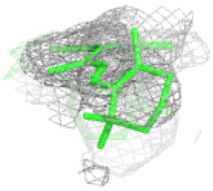


Electron density around BCR A 846:

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

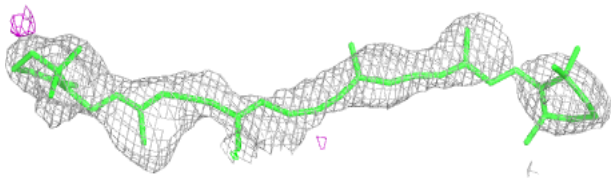


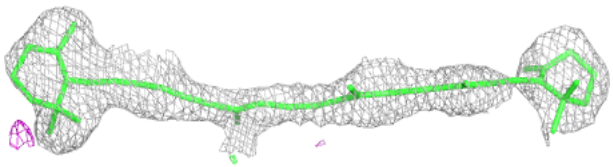


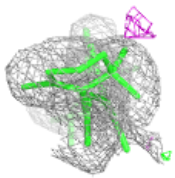


Electron density around BCR A 847:

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

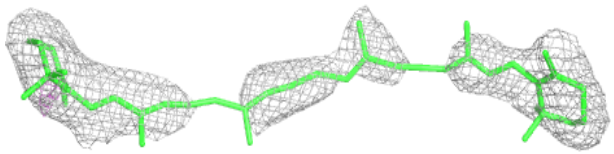


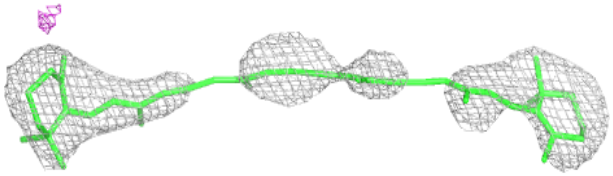


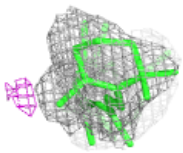


Electron density around BCR A 848:

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

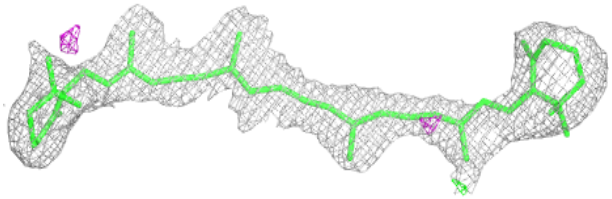


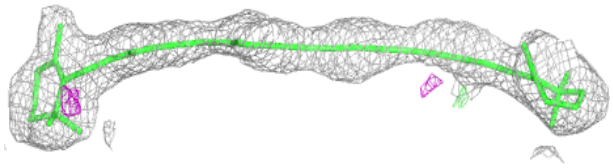


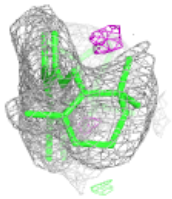


Electron density around BCR A 850:

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

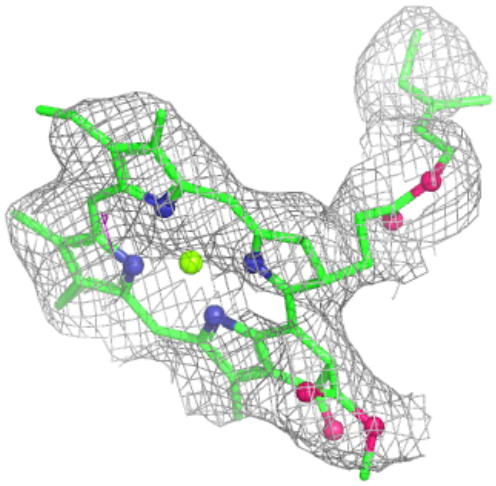


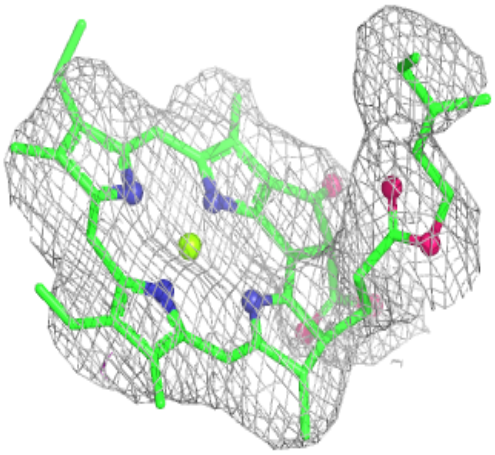


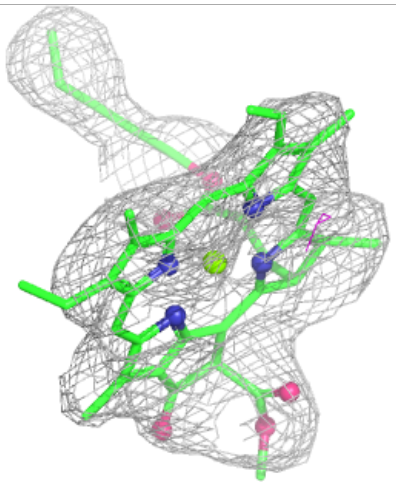


Electron density around CLA A 808:

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

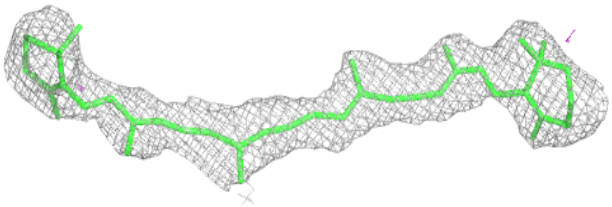


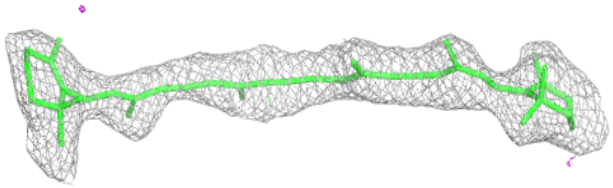


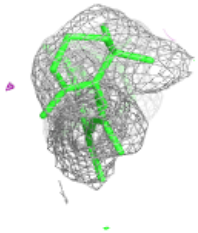


Electron density around BCR B 846:

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

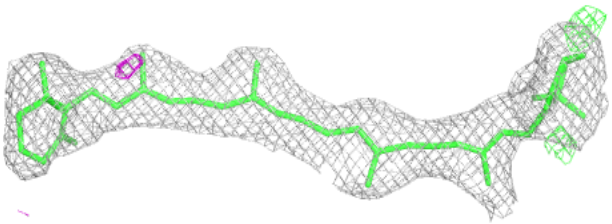


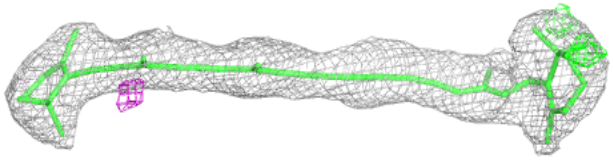


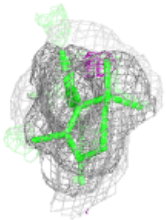


Electron density around BCR B 847:

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

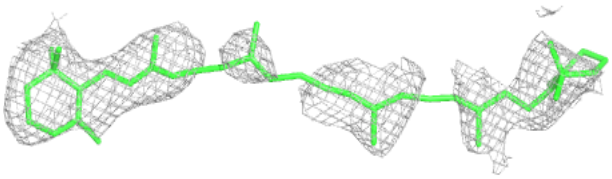


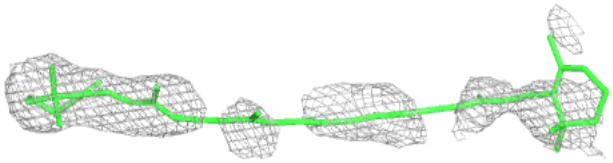


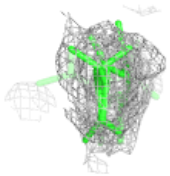


Electron density around BCR B 850:

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

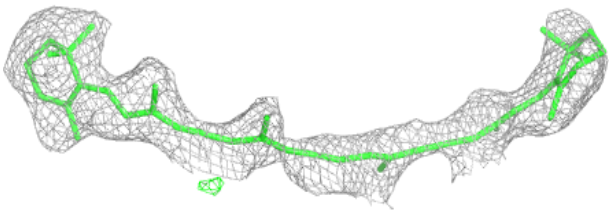


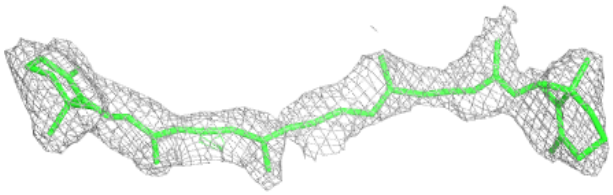


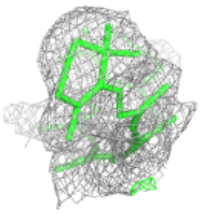


Electron density around BCR F 201:

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

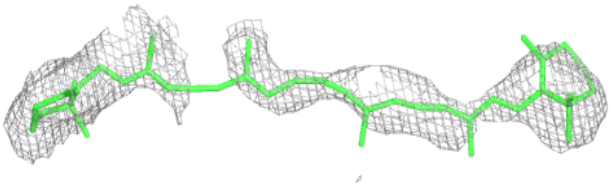


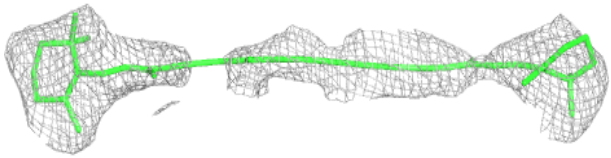


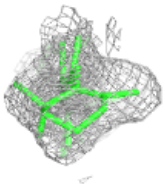


Electron density around BCR G 845:

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

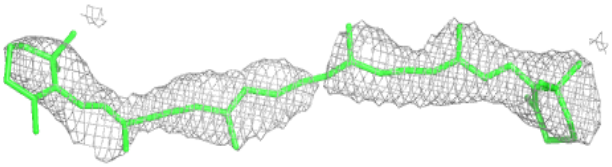


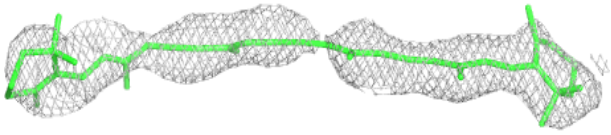


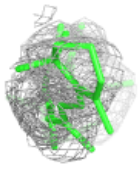


Electron density around BCR G 846:

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

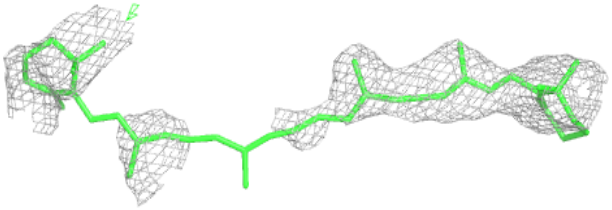


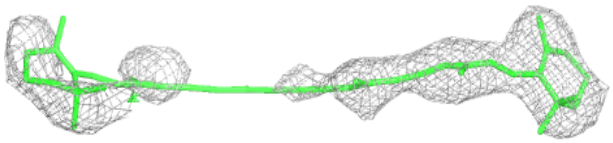




Electron density around BCR G 847:

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

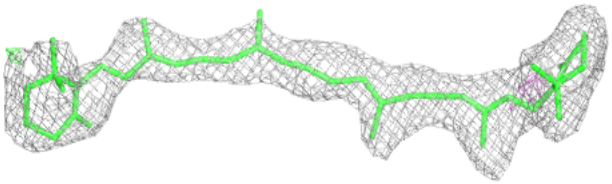


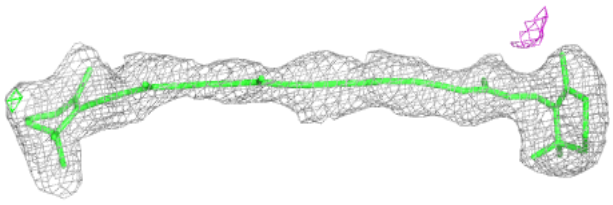


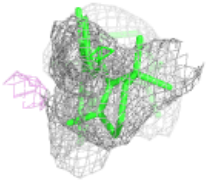


Electron density around BCR G 848:

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

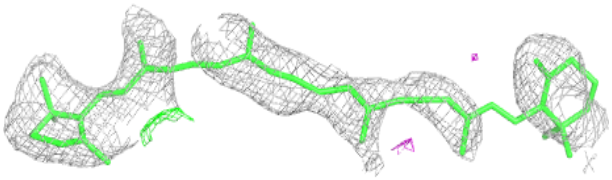


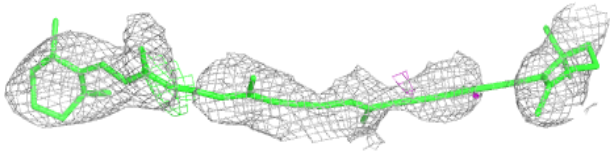


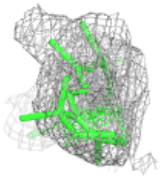


Electron density around BCR H 842:

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

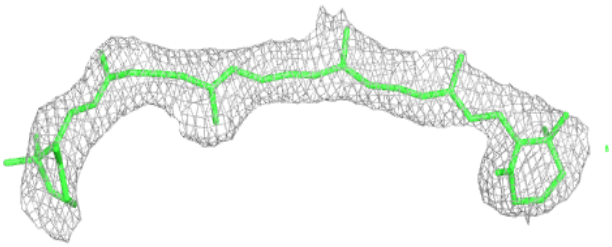


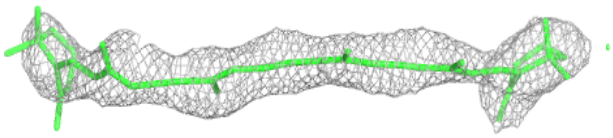


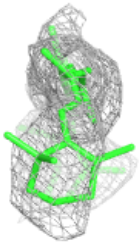


Electron density around BCR H 843:

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

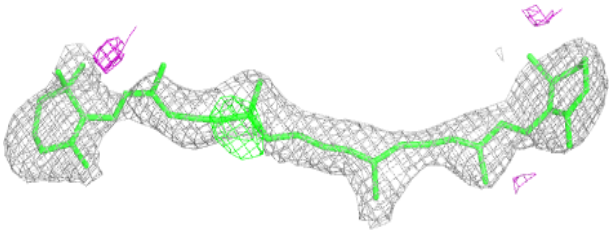


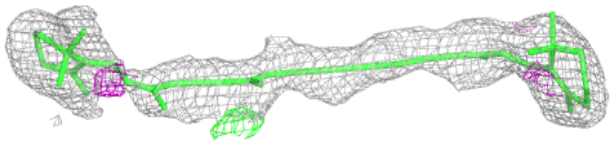


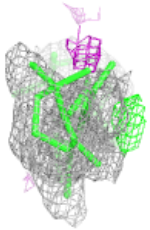


Electron density around BCR H 846:

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



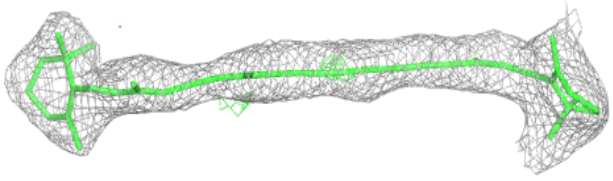


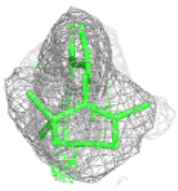


Electron density around BCR H 847:

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

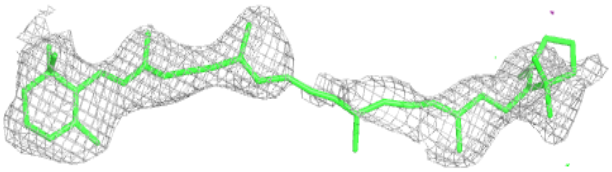


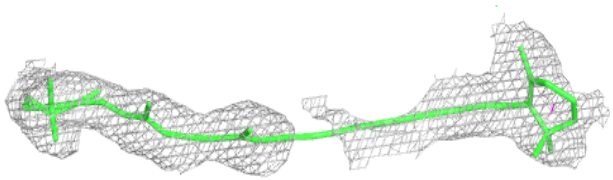


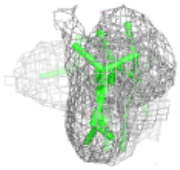


Electron density around BCR H 850:

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

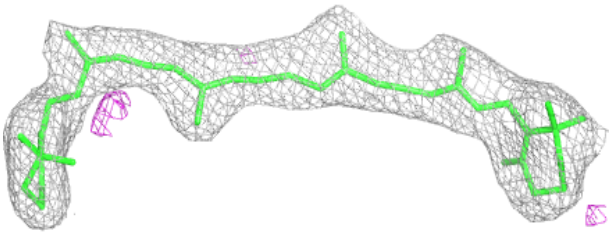


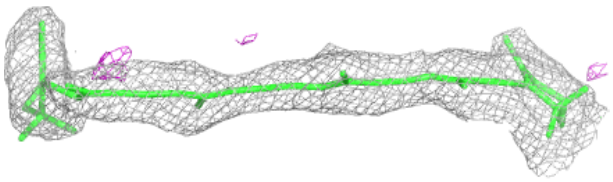


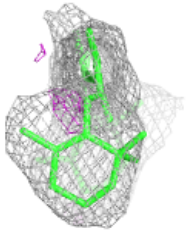


Electron density around BCR I 102:

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

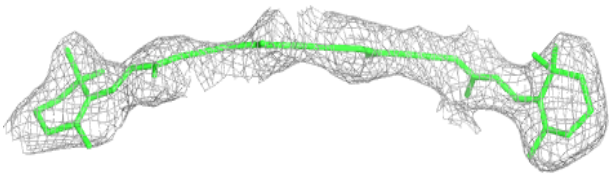


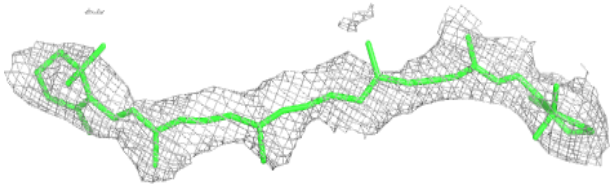


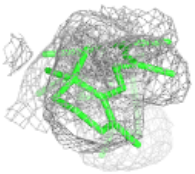


Electron density around BCR J 104:

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

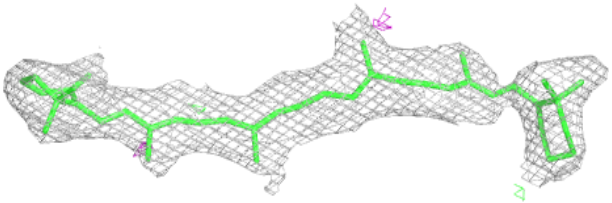


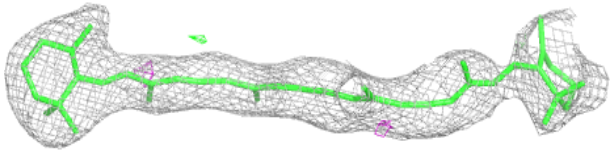


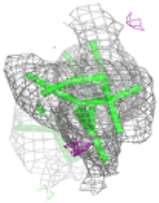


Electron density around BCR L 208:

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

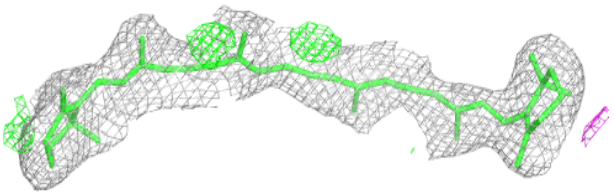


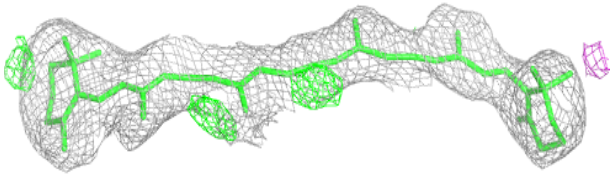


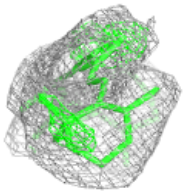


Electron density around BCR M 101:

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

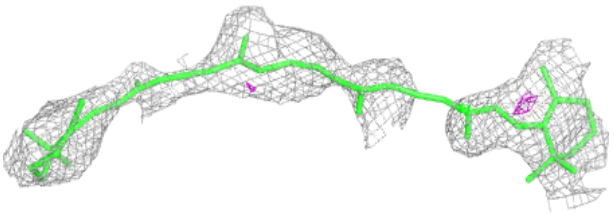


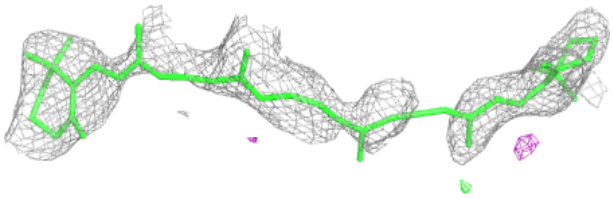


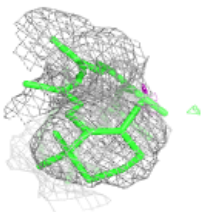


Electron density around BCR Q 201:

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

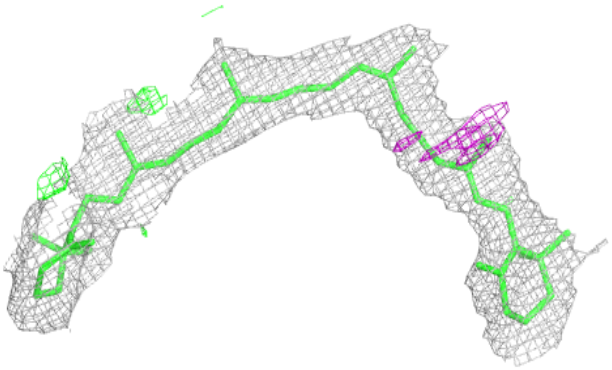


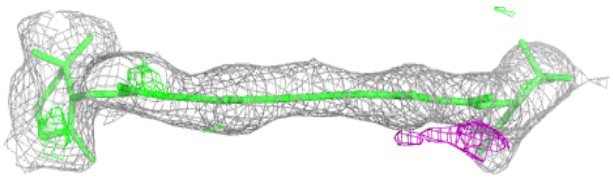


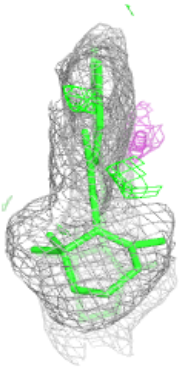


Electron density around BCR Q 203:

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

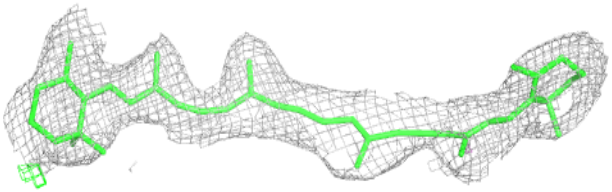


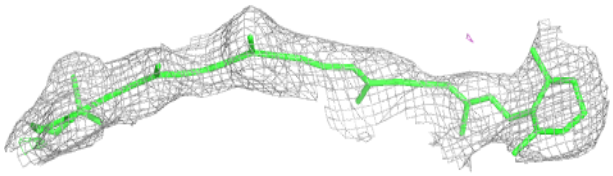


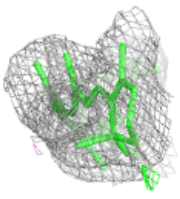


Electron density around BCR S 1105:

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

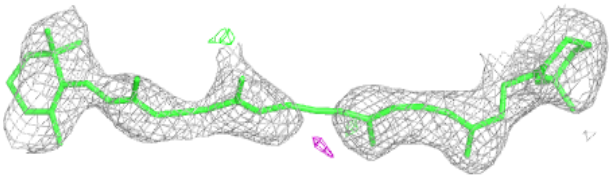


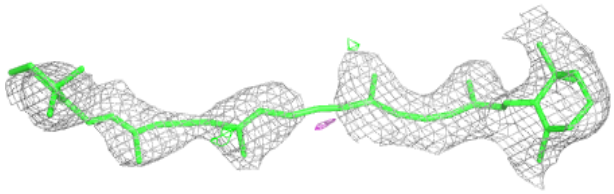


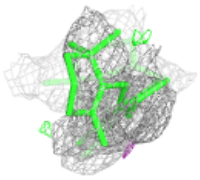


Electron density around BCR T 102:

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

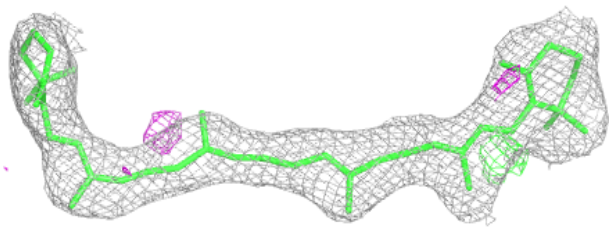


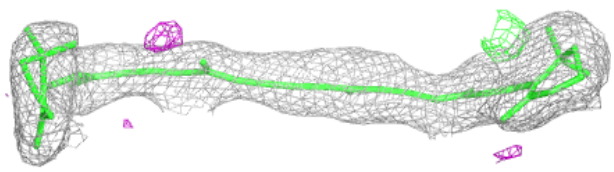


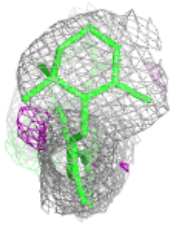


Electron density around BCR U 1008:

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

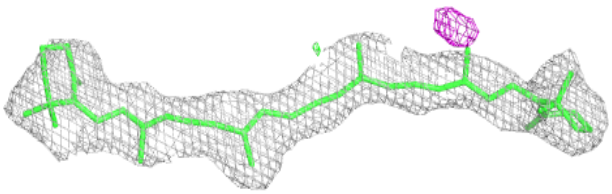


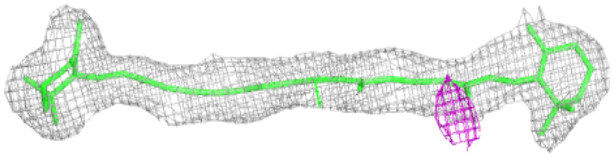


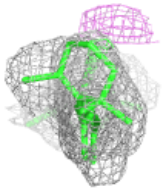


Electron density around BCR U 1009:

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

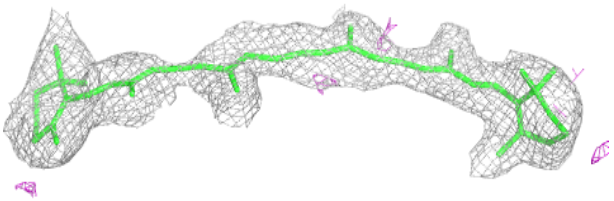


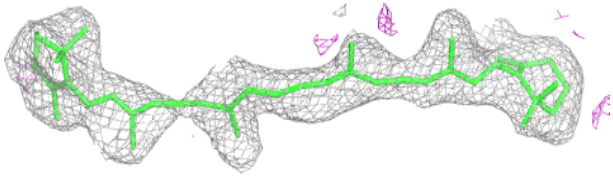


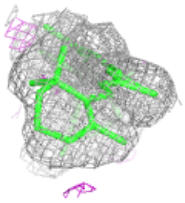


Electron density around BCR V 101:

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

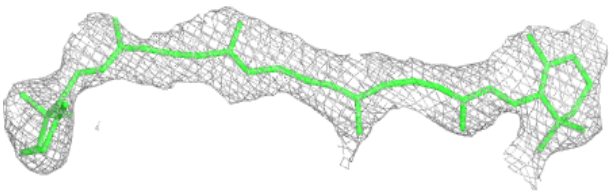


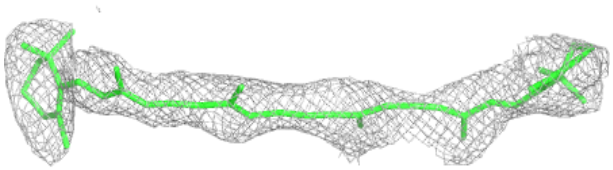


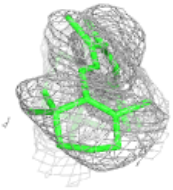


Electron density around BCR Y 844:

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

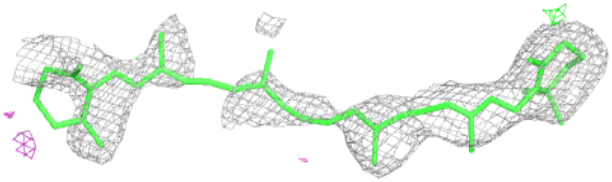


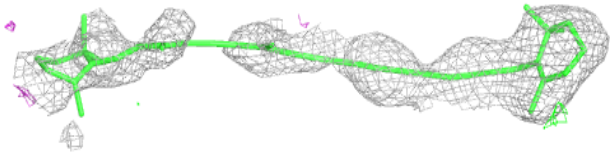


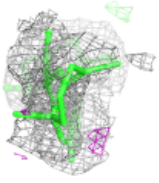


Electron density around BCR Y 845:

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

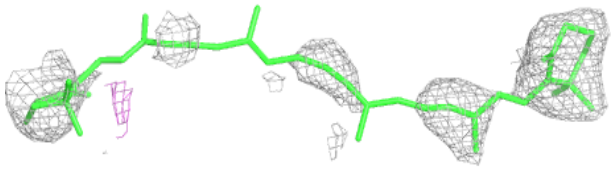


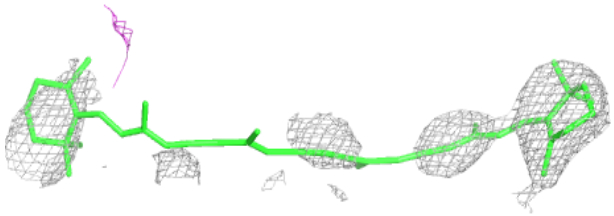


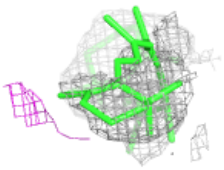


Electron density around BCR Y 846:

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

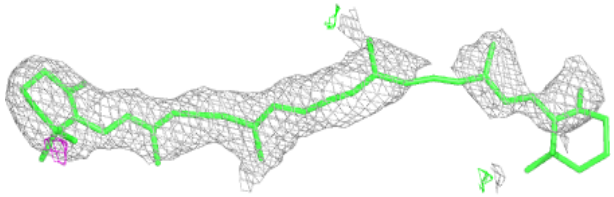


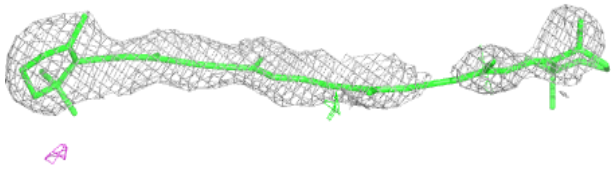


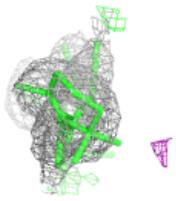


Electron density around BCR Y 847:

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

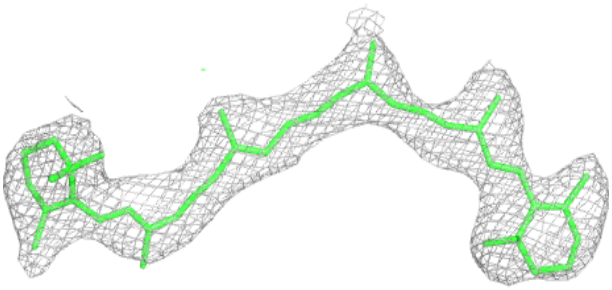


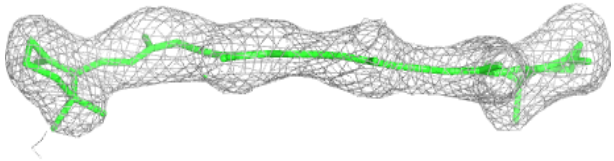




Electron density around BCR Y 849:

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

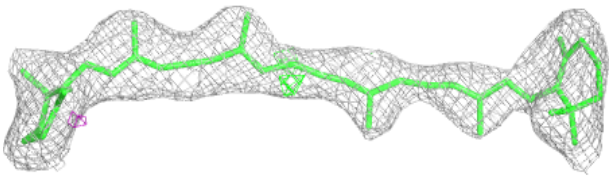


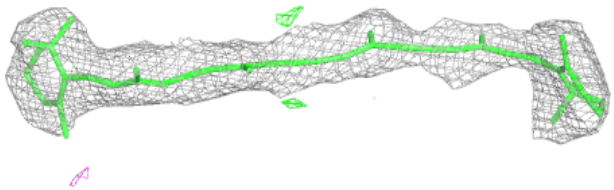


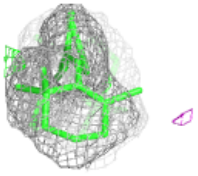


Electron density around BCR Y 852:

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

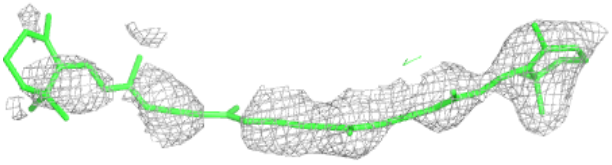


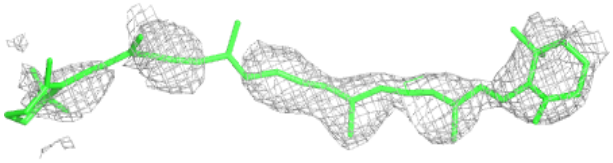


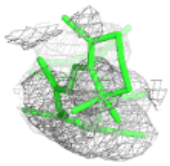


Electron density around BCR Y 853:

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

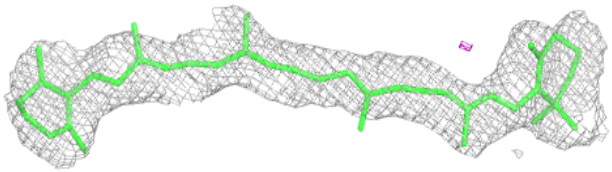


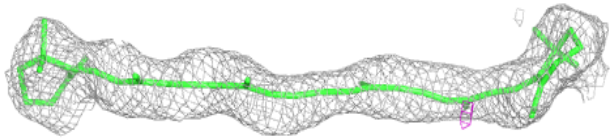


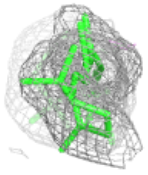


Electron density around BCR Z 843:

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

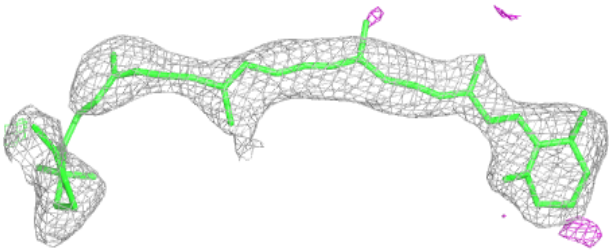


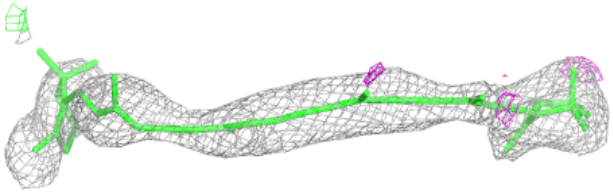


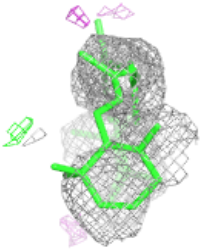


Electron density around BCR Z 844:

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

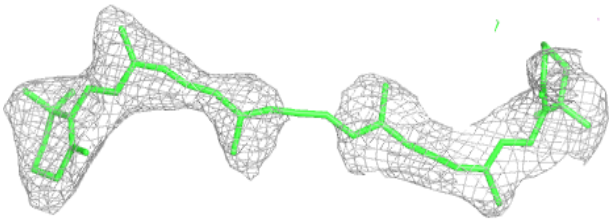


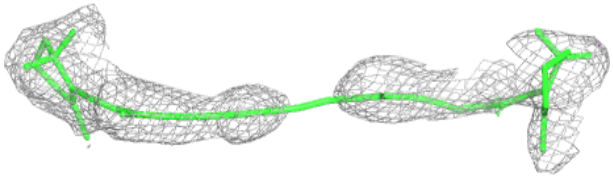


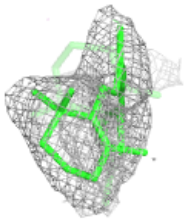


Electron density around BCR Z 845:

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

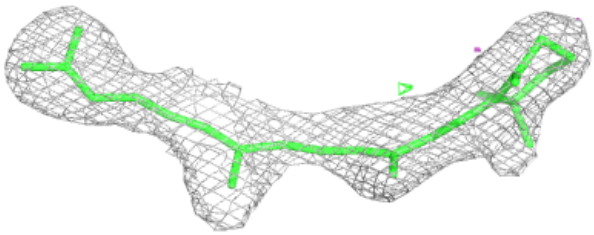


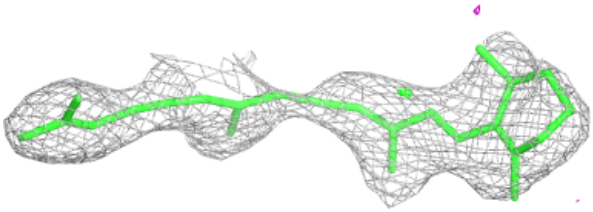


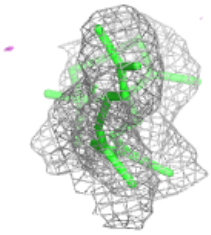


Electron density around BCR Z 846:

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

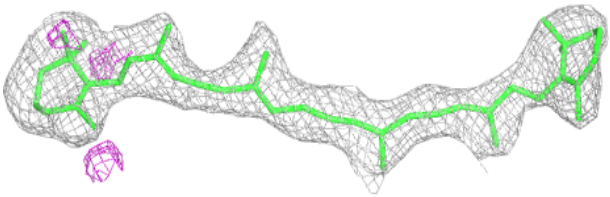


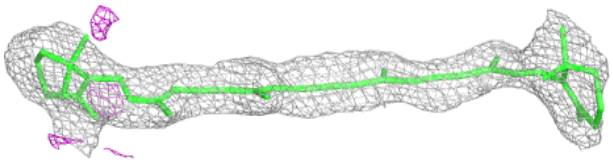


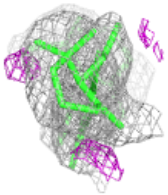


Electron density around BCR Z 847:

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

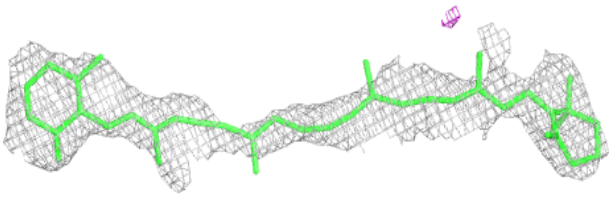


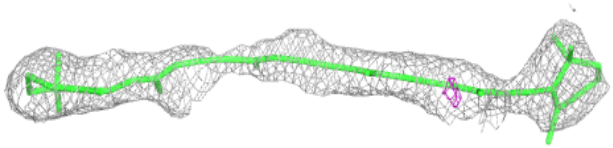


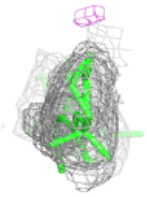


Electron density around BCR Z 850:

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

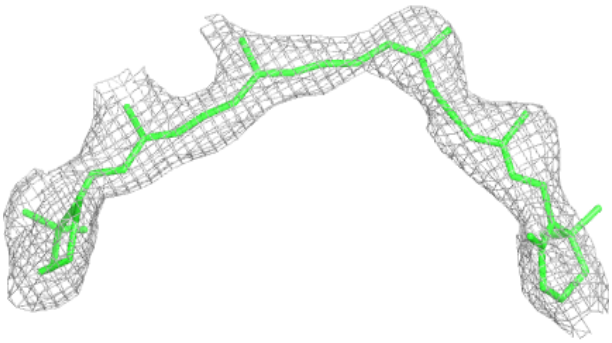


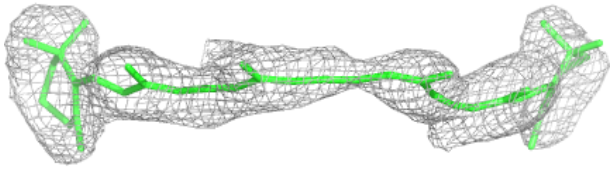


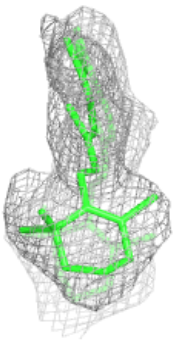


Electron density around BCR d 203:

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

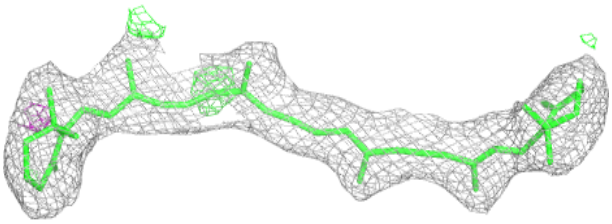


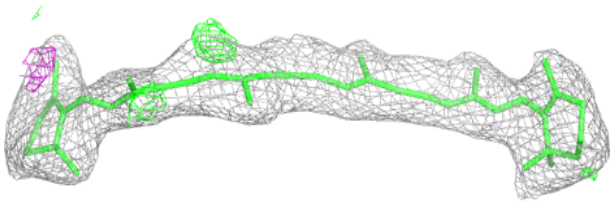


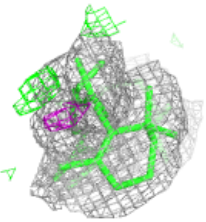


Electron density around BCR e 101:

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

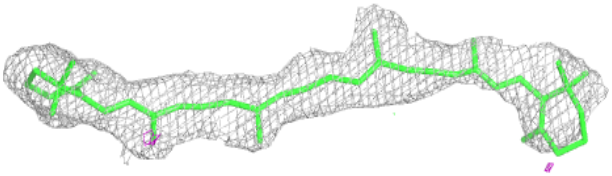


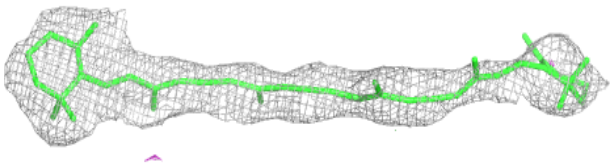


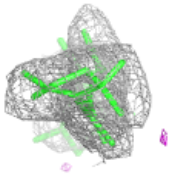


Electron density around BCR h 202:

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

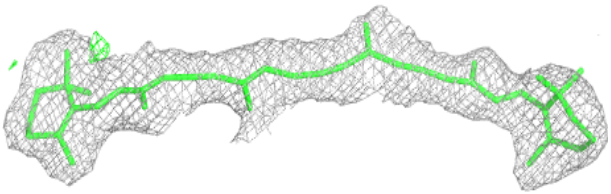


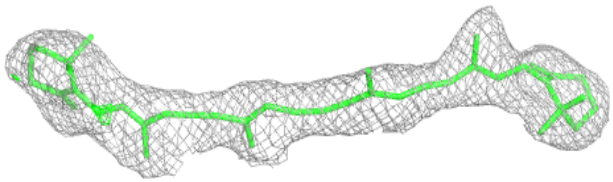


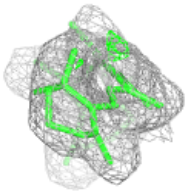


Electron density around BCR i 101:

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

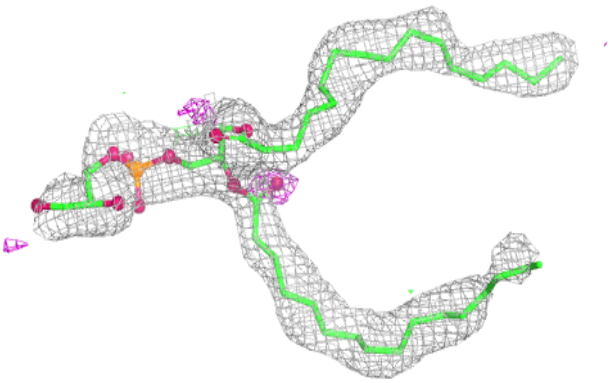


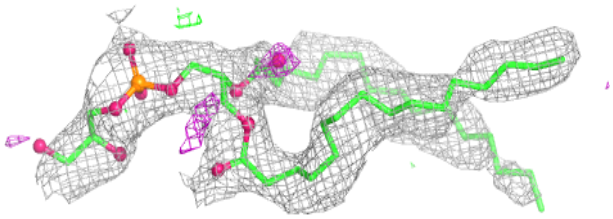


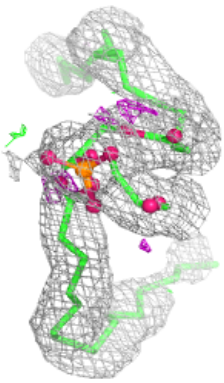


Electron density around LHG A 852:

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

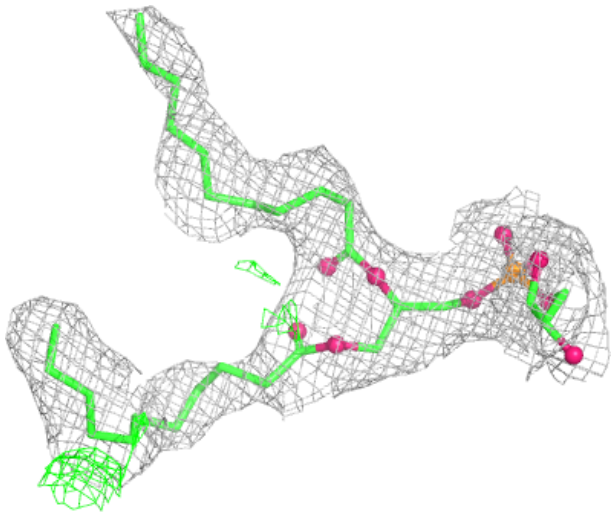


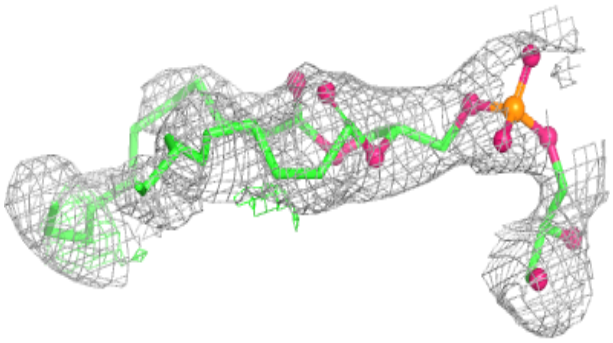




Electron density around LHG B 849:

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

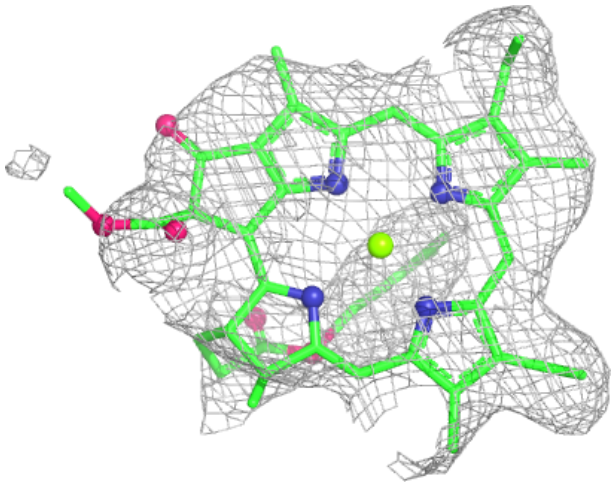


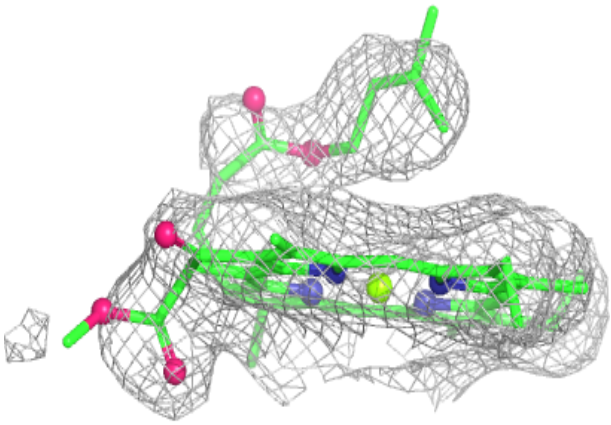


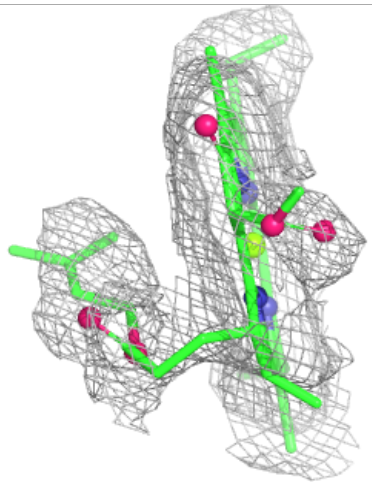


Electron density around CLA A 824:

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

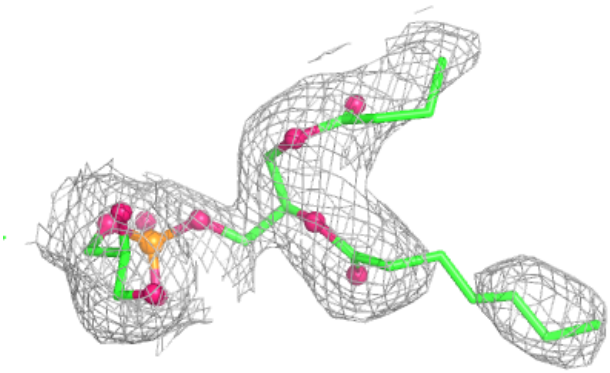


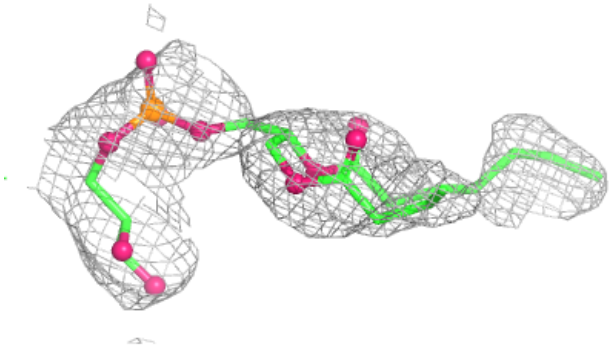


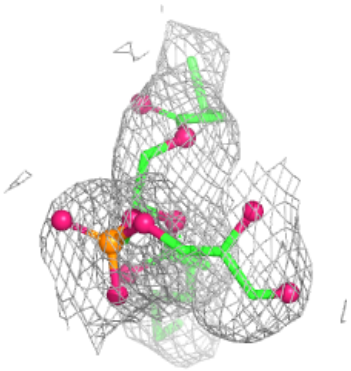


Electron density around LHG j 101:

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

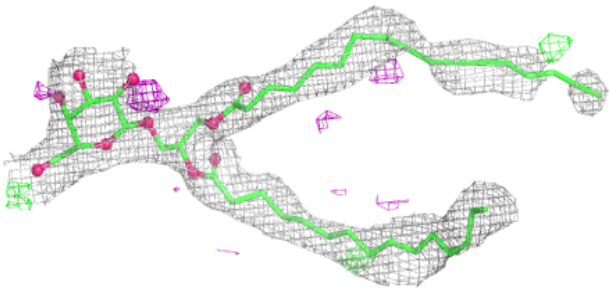


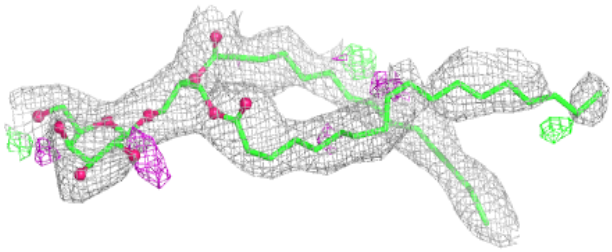


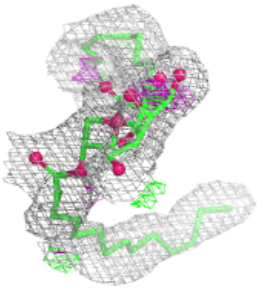


Electron density around LMG B 848:

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

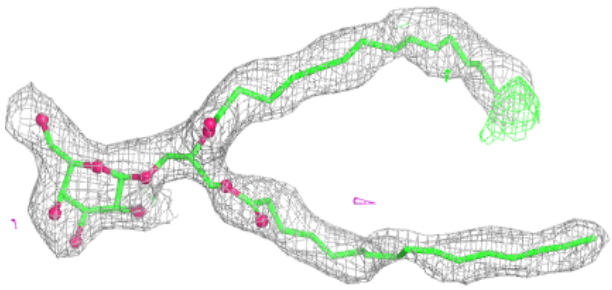


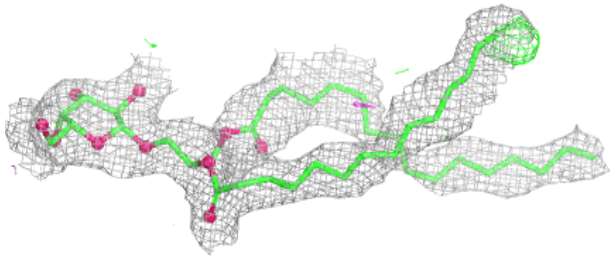


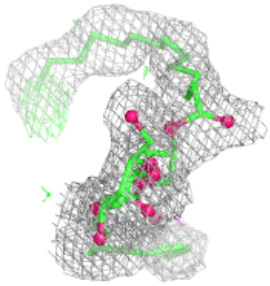


Electron density around LMG H 848:

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

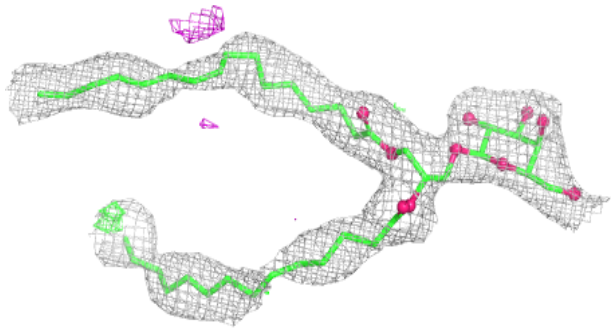


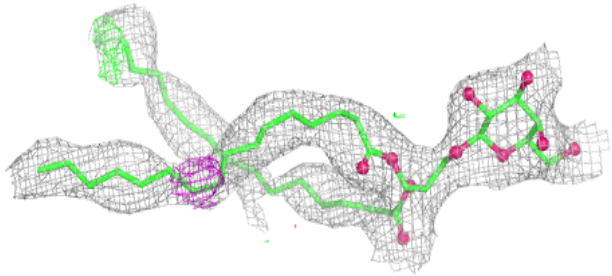


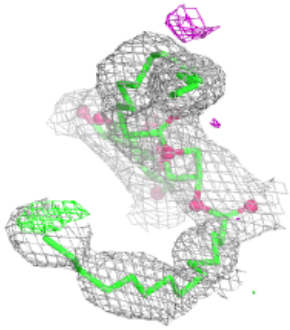


Electron density around LMG Z 849:

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

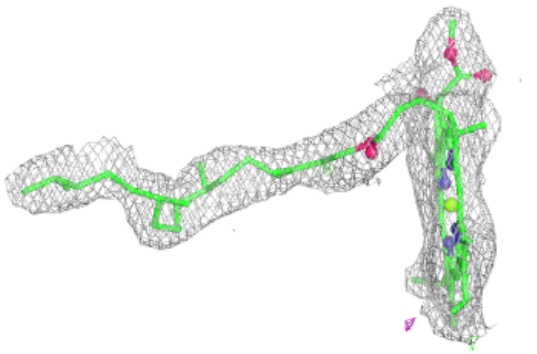


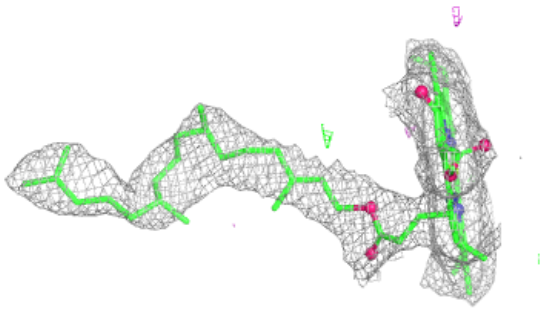


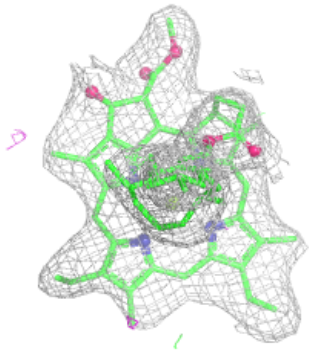


Electron density around CLA A 829:

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

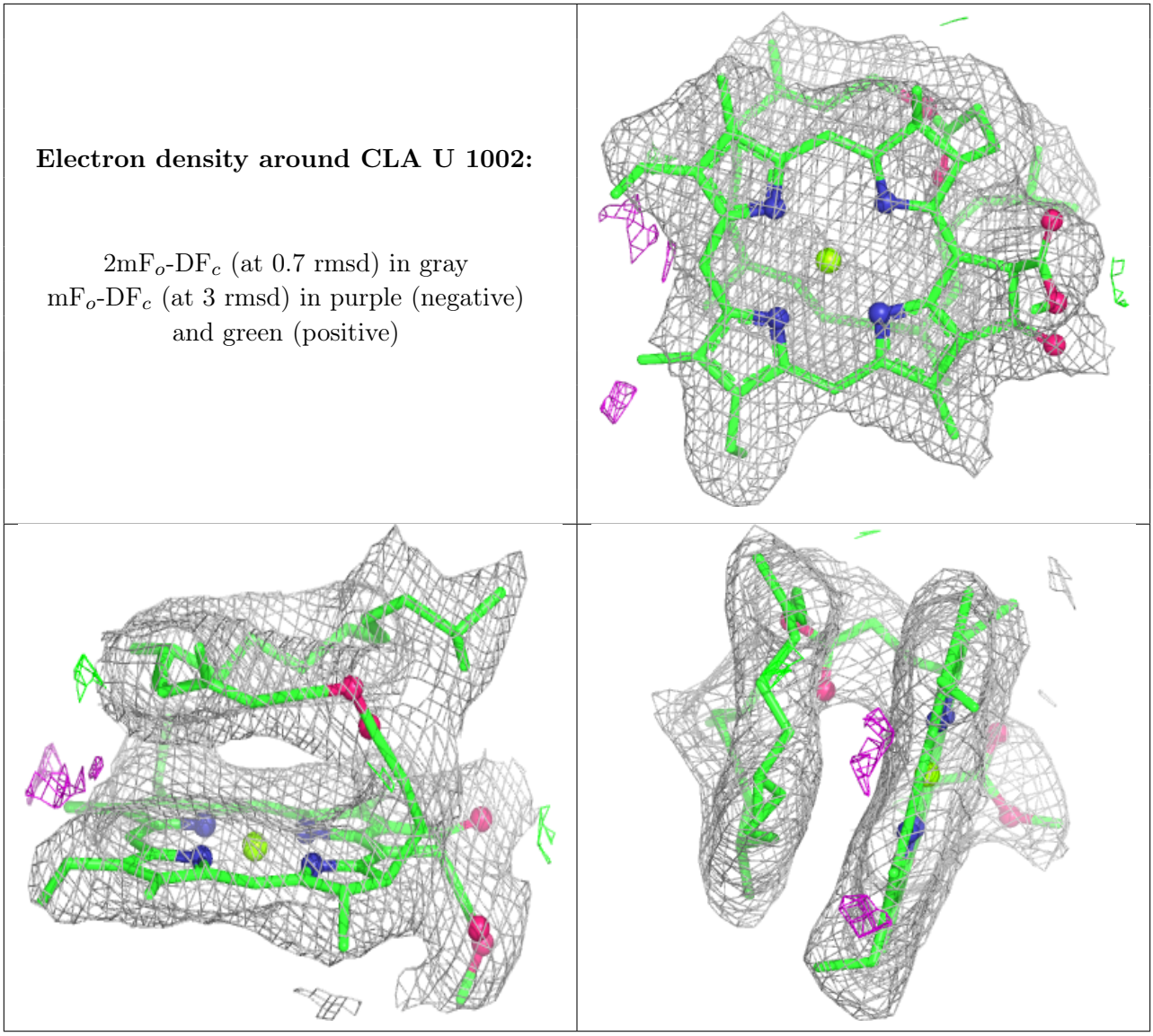






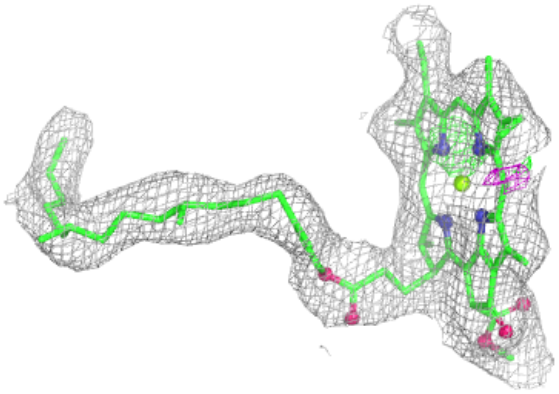
Electron density around CLA U 1002:

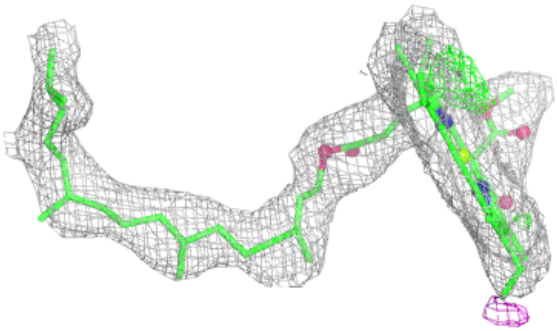
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

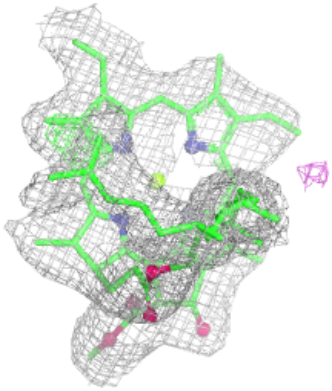


Electron density around CLA U 1003:

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

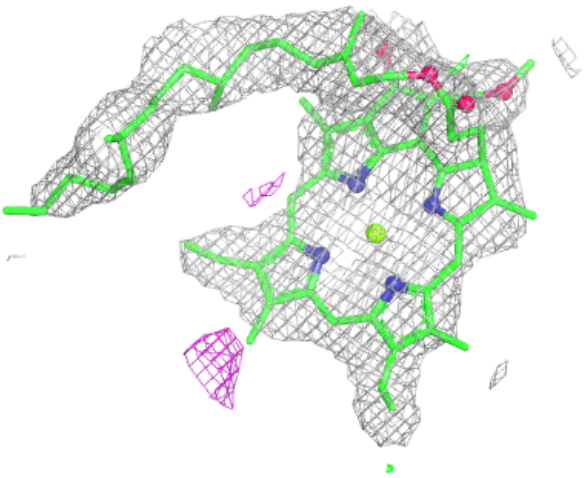


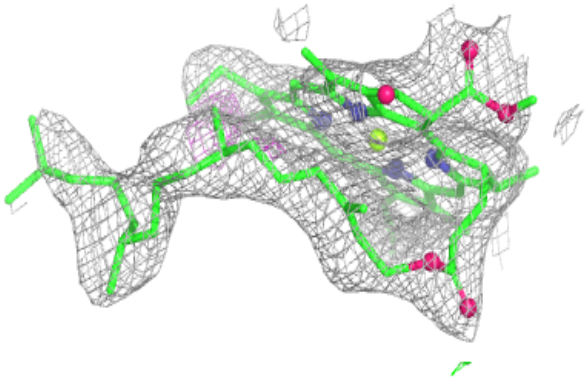


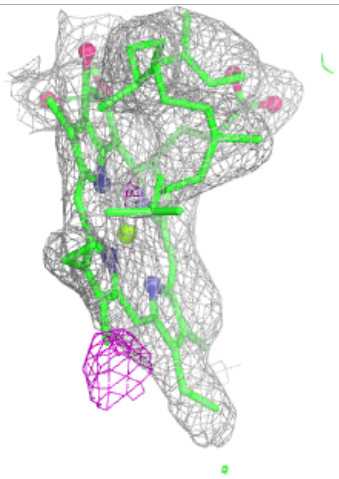


Electron density around CLA A 830:

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

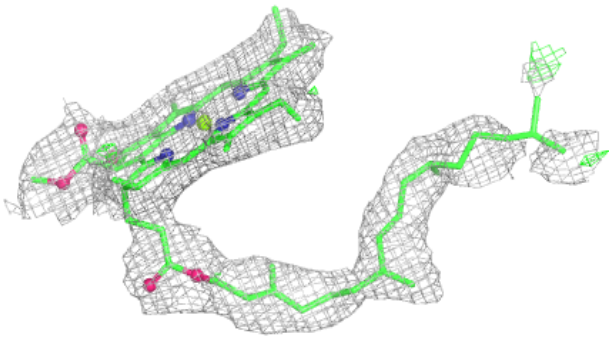


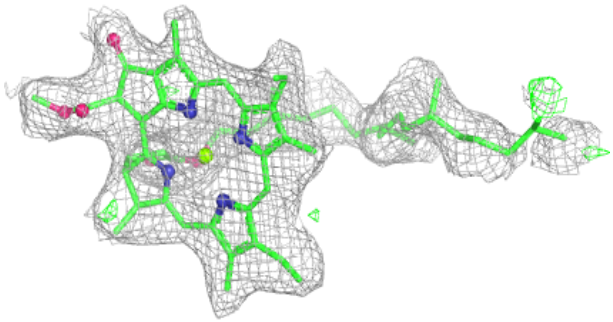


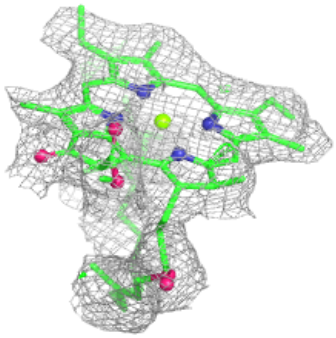


Electron density around CLA U 1006:

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

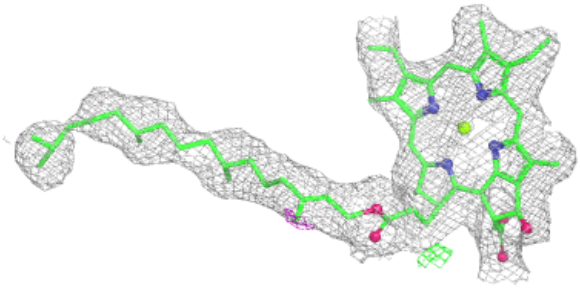


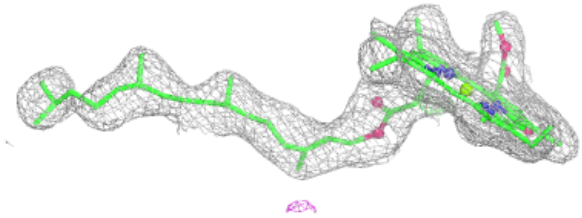


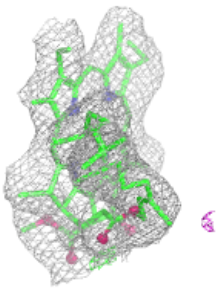


Electron density around CLA U 1007:

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

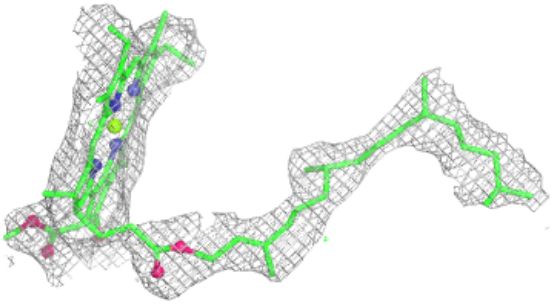


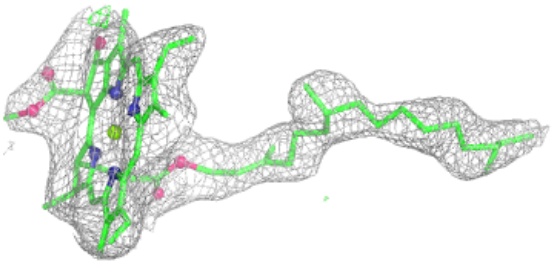


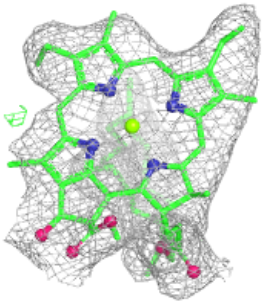


Electron density around CLA A 831:

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

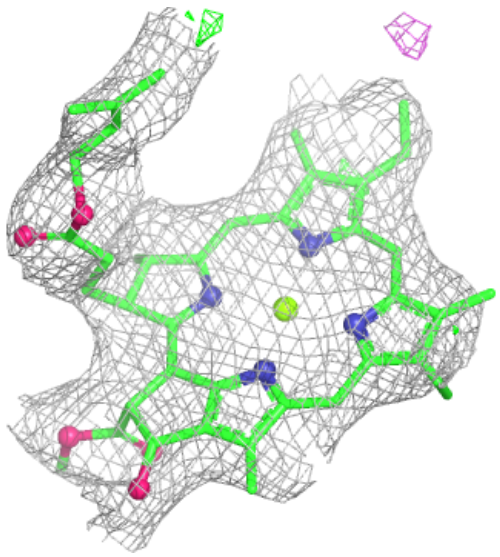


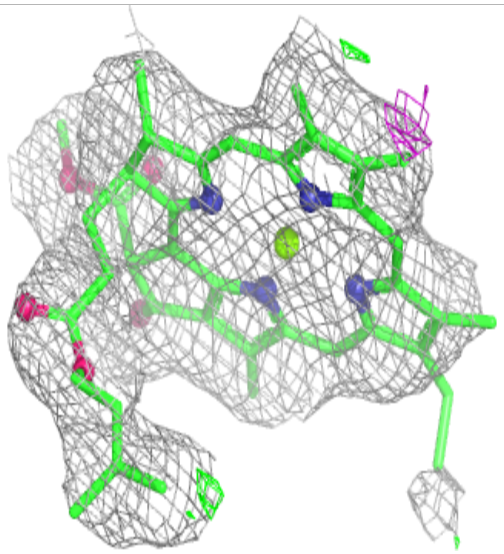


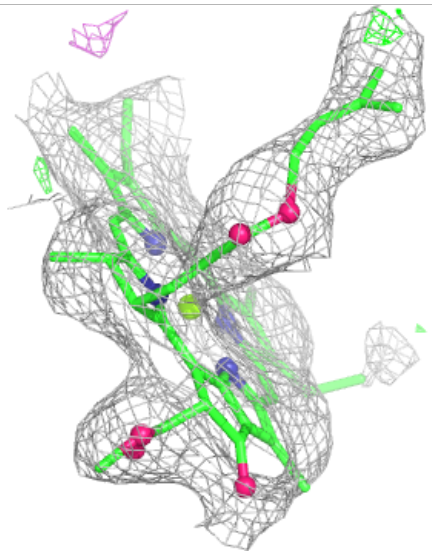


Electron density around CLA A 832:

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

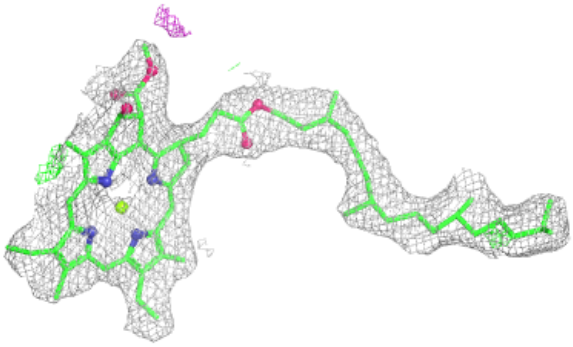


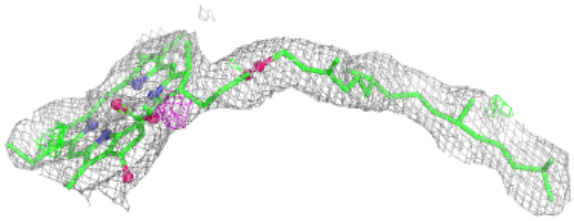




Electron density around CLA Y 802:

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

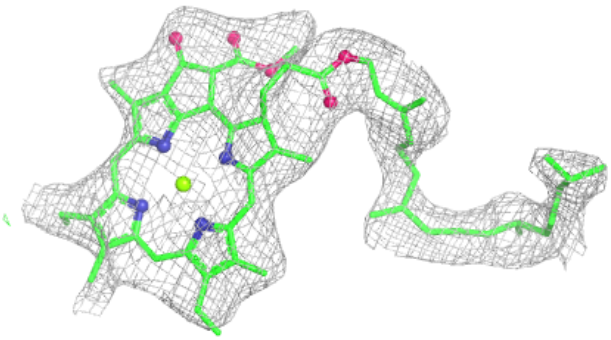


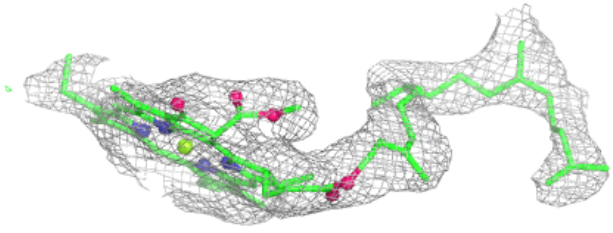


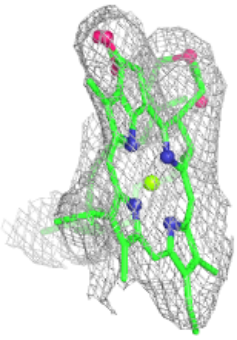


Electron density around CLA Y 803:

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

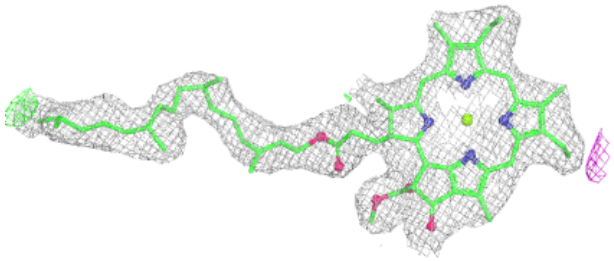


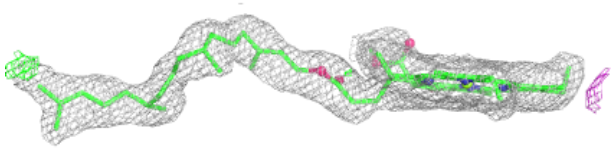




Electron density around CLA A 833:

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

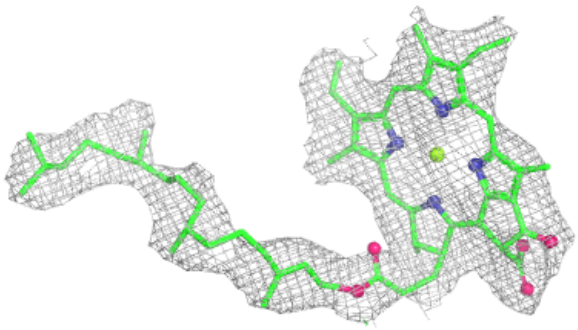


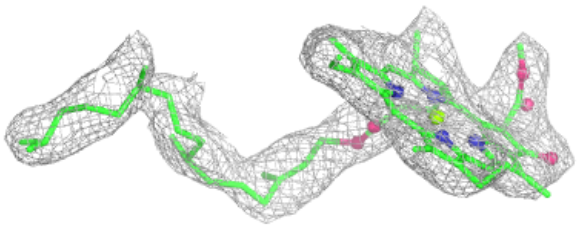


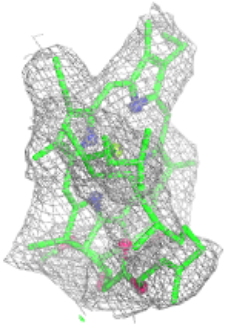


Electron density around CLA G 808:

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

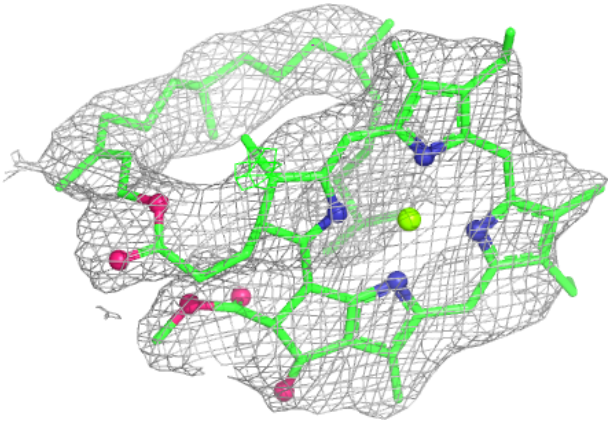


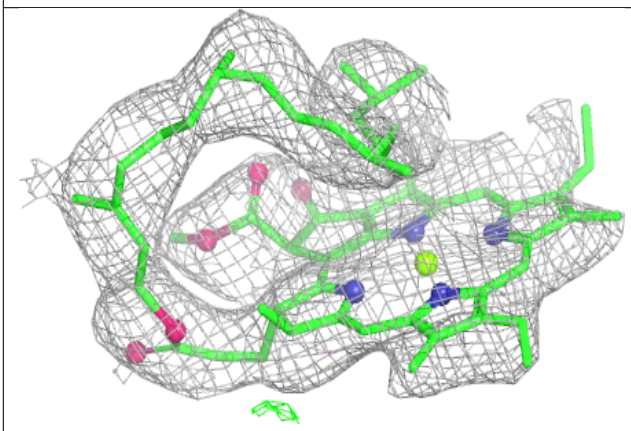


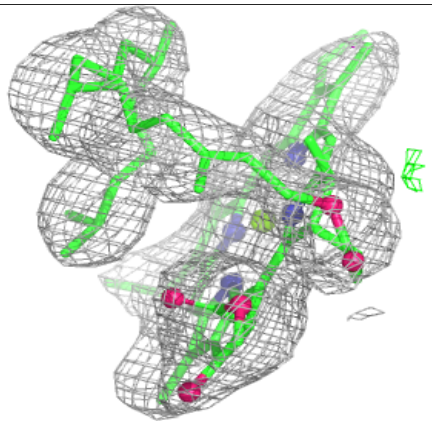


Electron density around CLA Y 806:

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

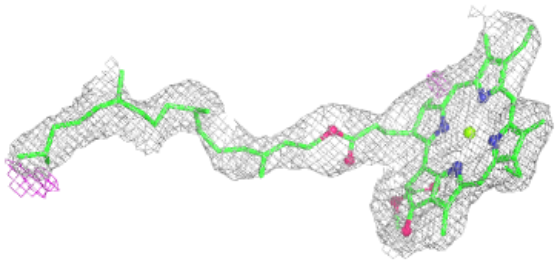


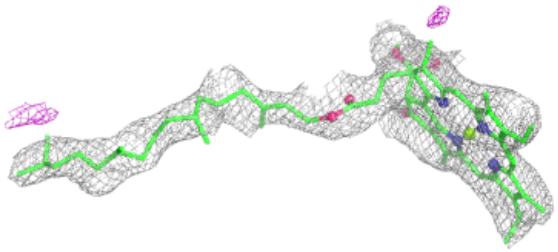


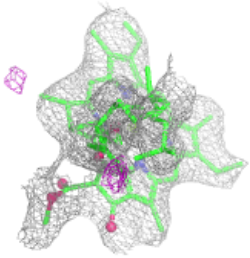


Electron density around CLA G 809:

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

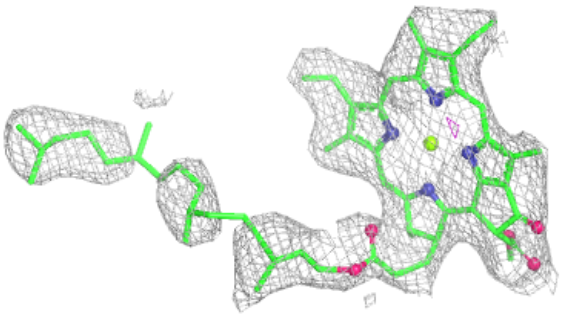


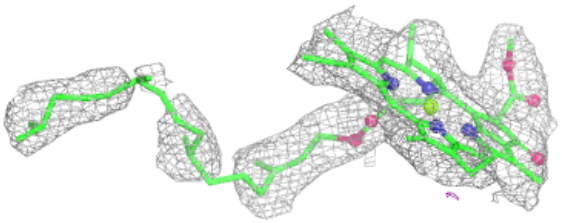


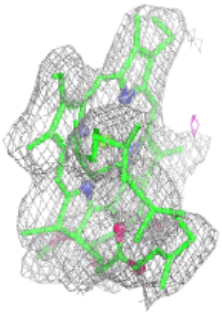


Electron density around CLA Y 808:

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

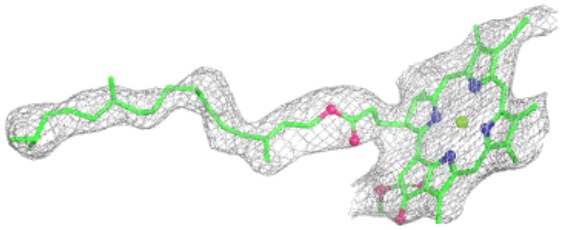


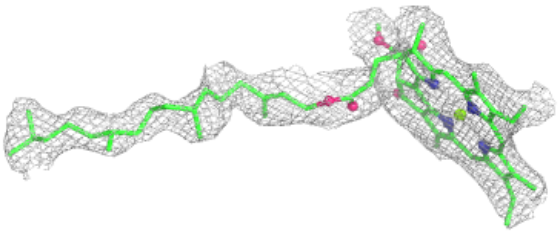


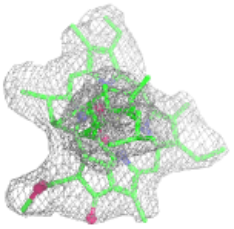


Electron density around CLA Y 809:

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

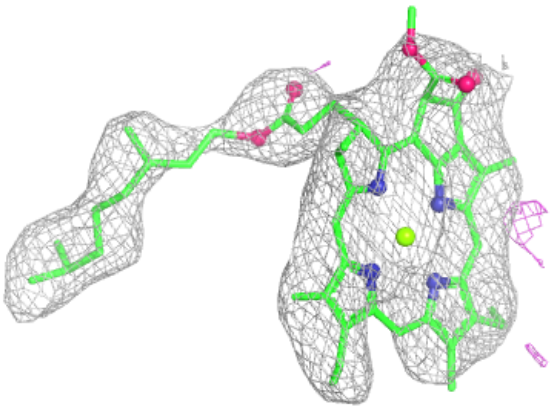


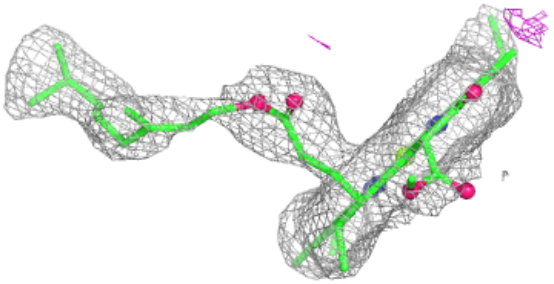




Electron density around CLA A 834:

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

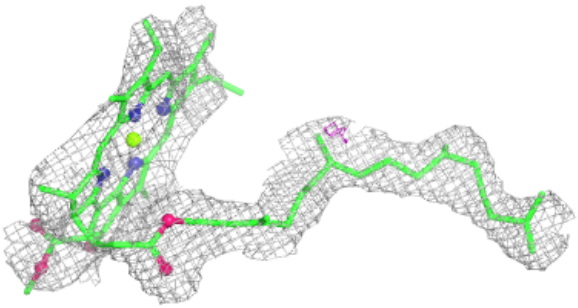


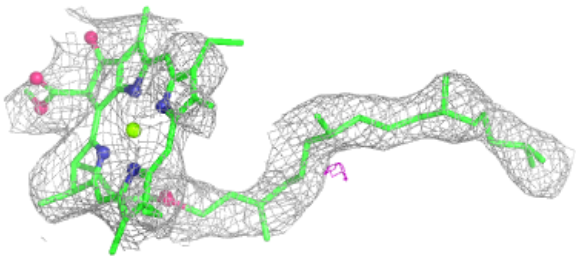


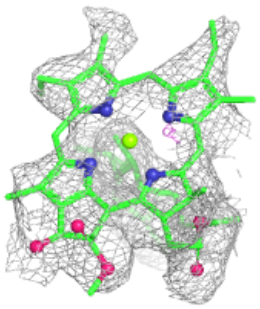


Electron density around CLA G 811:

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

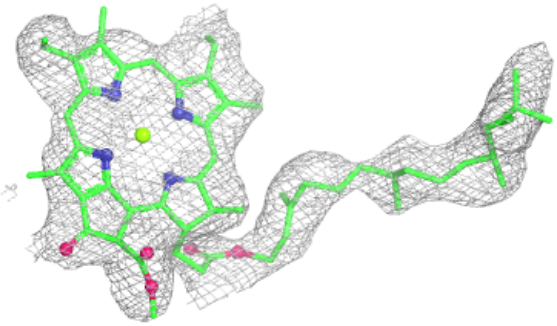


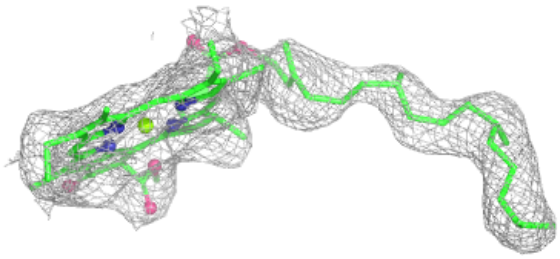


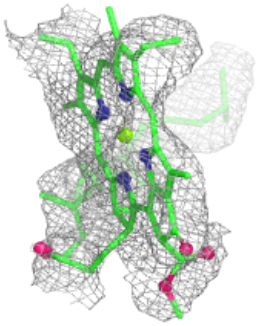


Electron density around CLA A 802:

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

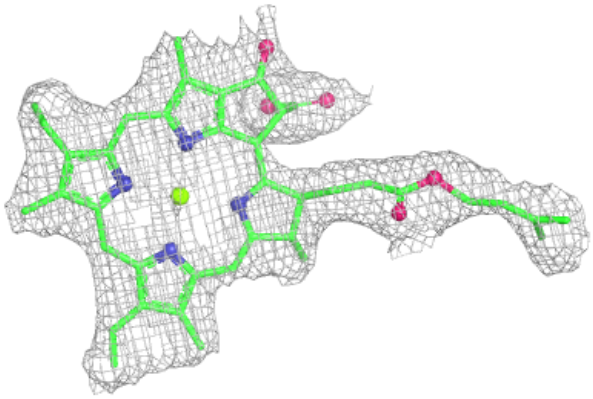


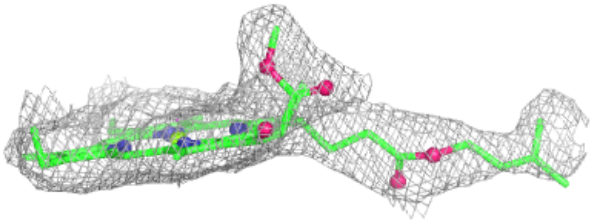


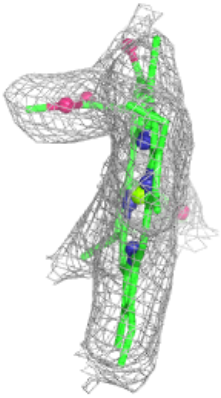


Electron density around CLA A 836:

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

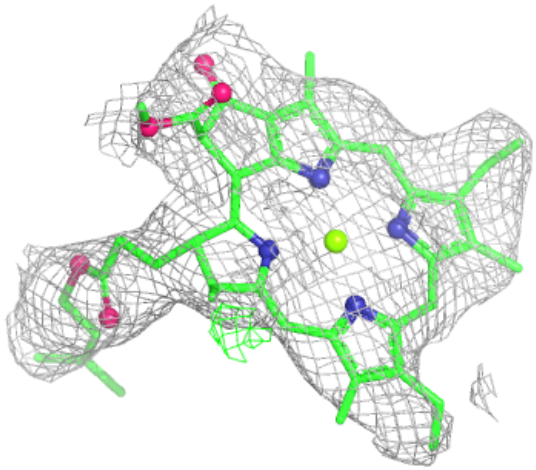


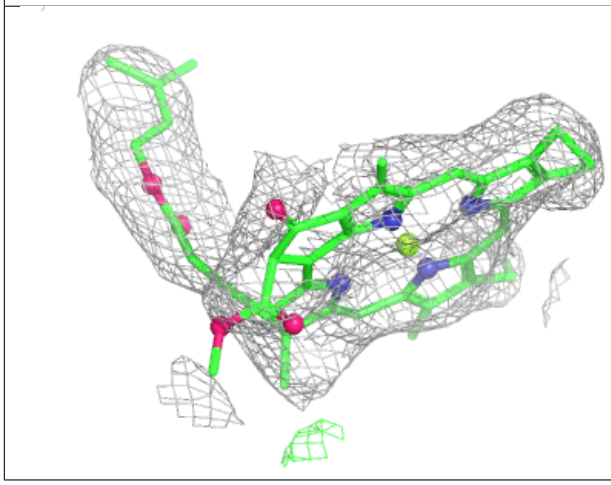


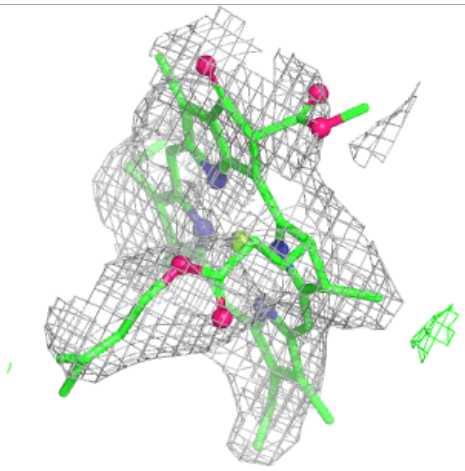


Electron density around CLA G 814:

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

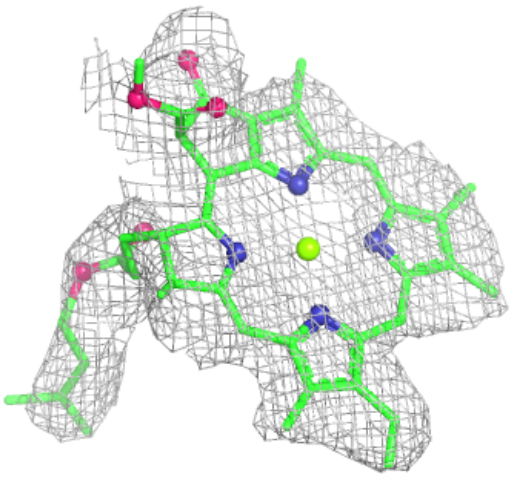


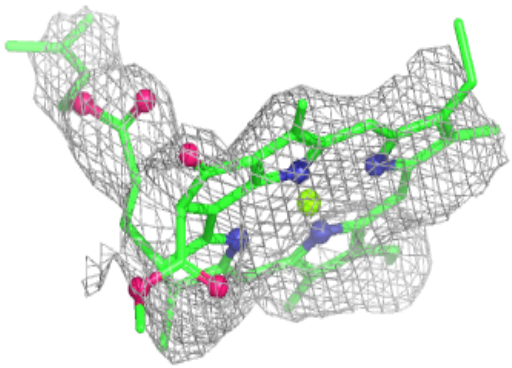


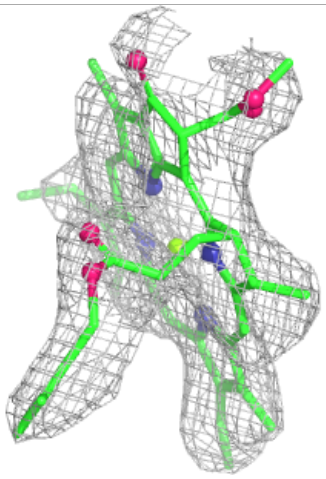


Electron density around CLA Y 815:

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

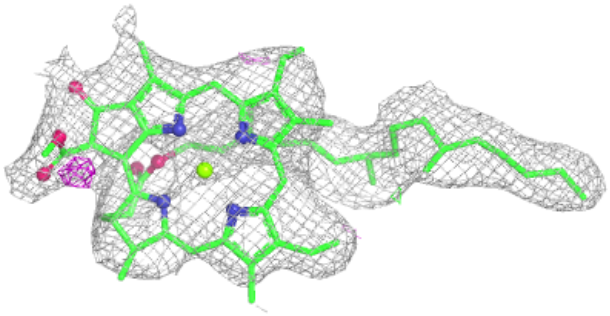


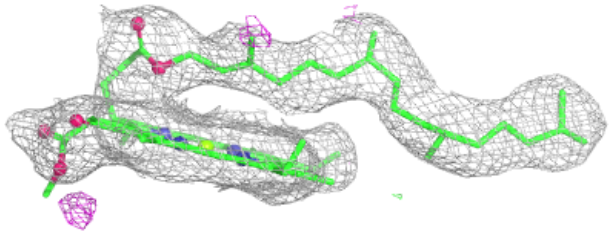


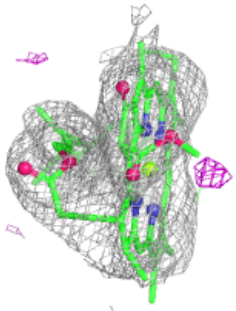


Electron density around CLA A 837:

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

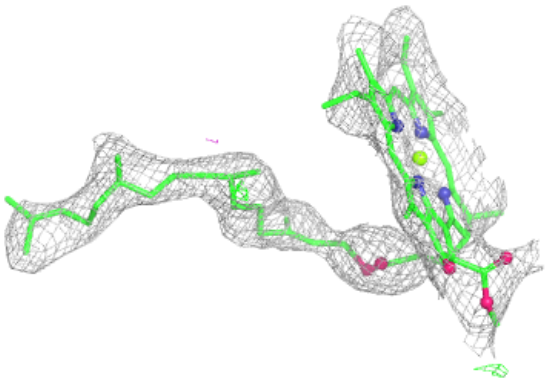


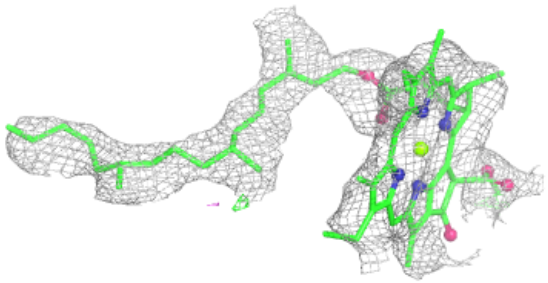


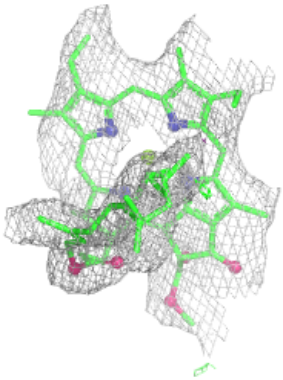


Electron density around CLA A 812:

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

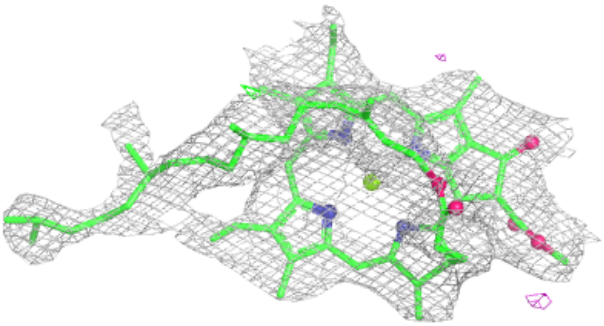


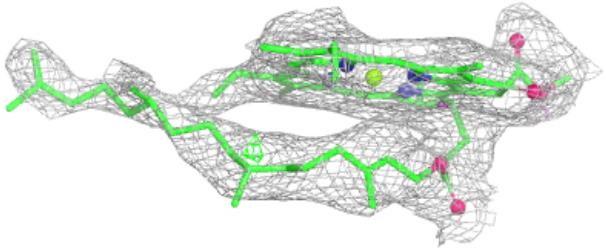


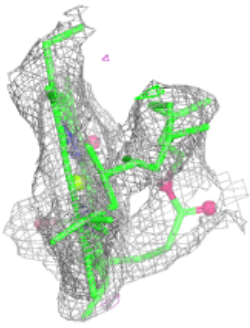


Electron density around CLA A 839:

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

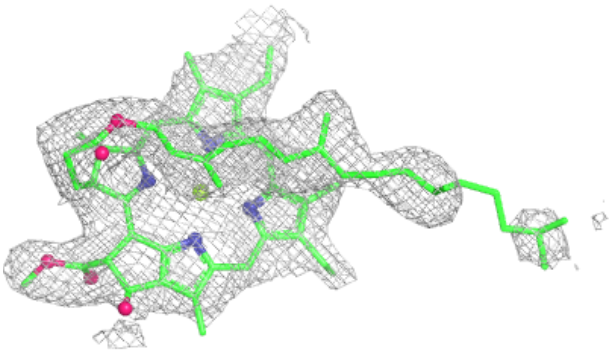


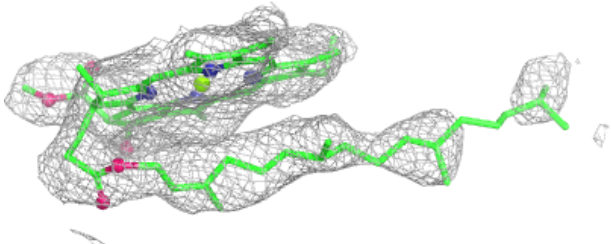


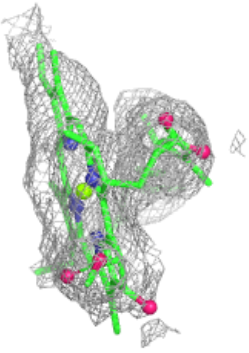


Electron density around CLA G 818:

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

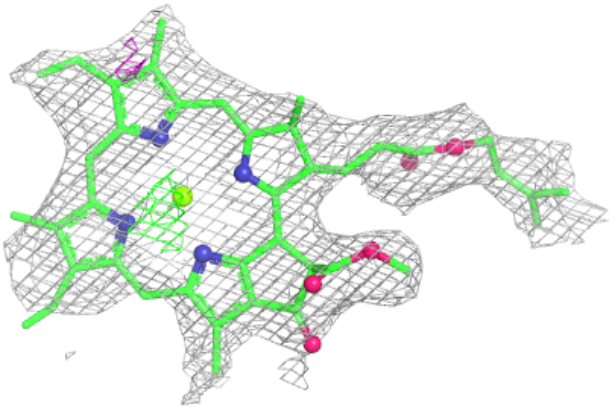


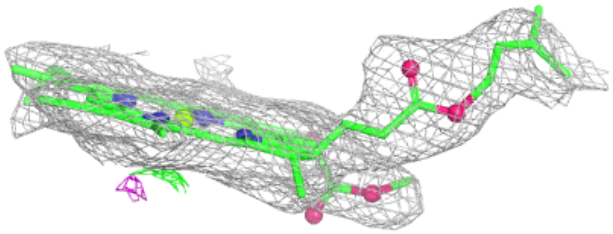


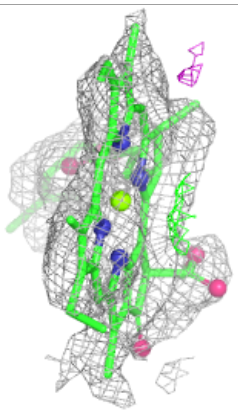


Electron density around CLA A 840:

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

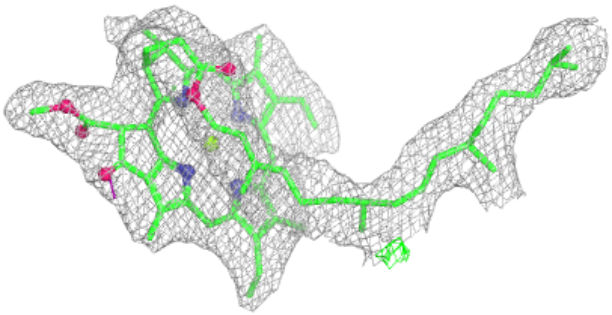


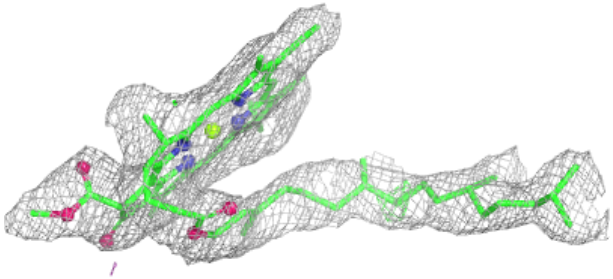


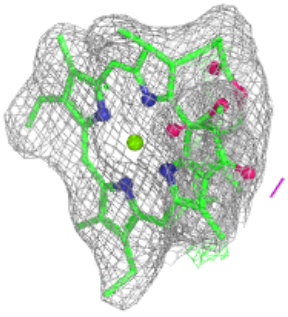


Electron density around CLA A 841:

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

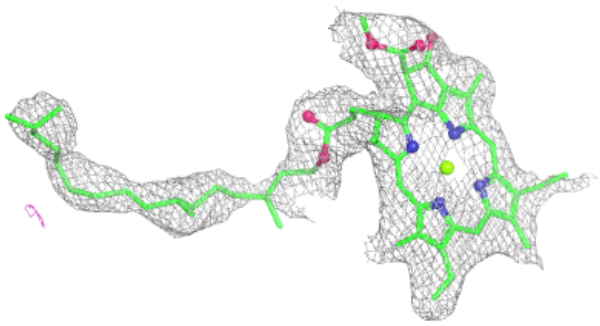


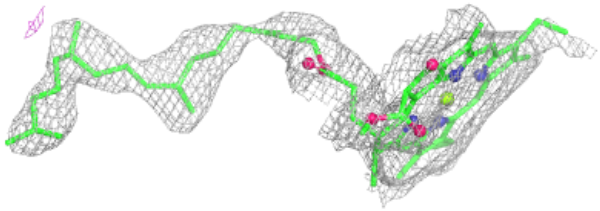




Electron density around CLA G 821:

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

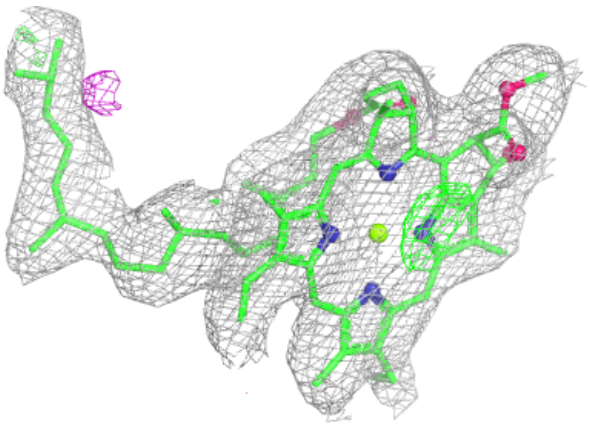


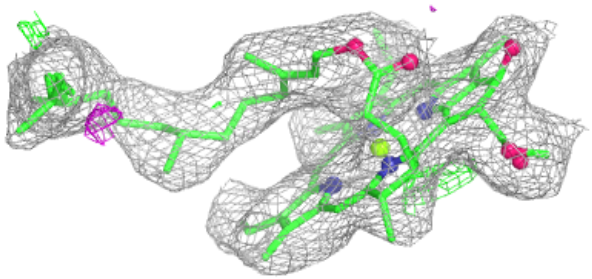


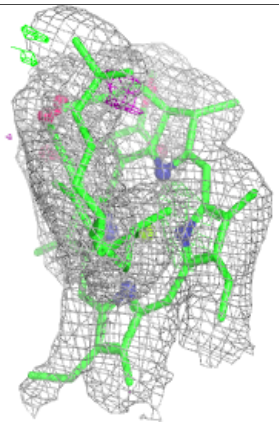


Electron density around CLA A 842:

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

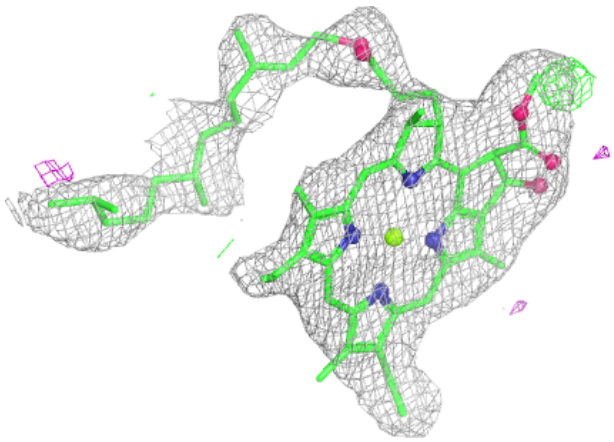


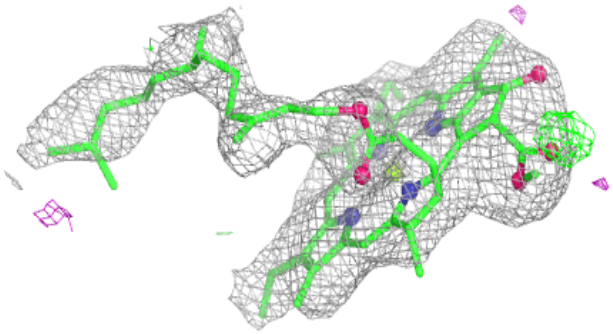


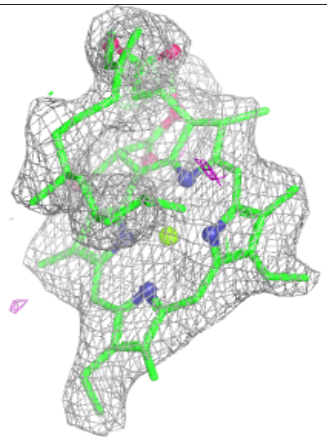


Electron density around CLA Y 824:

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

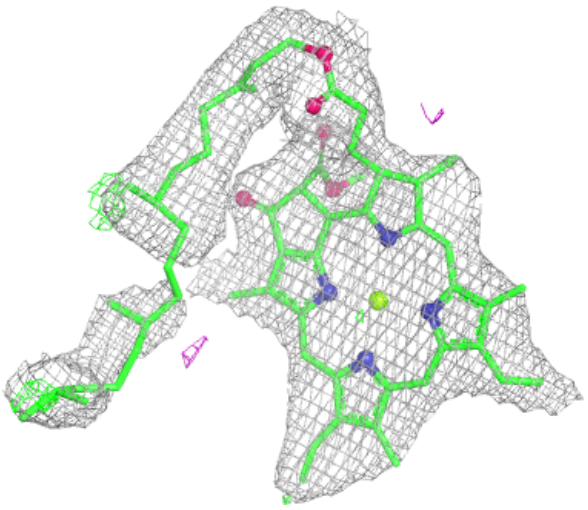


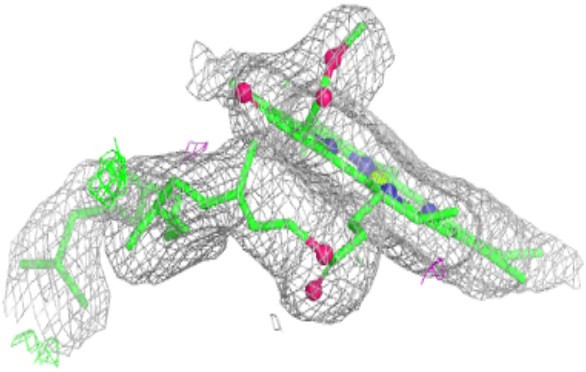


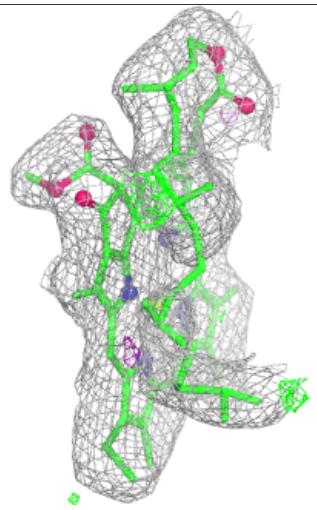


Electron density around CLA Y 825:

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

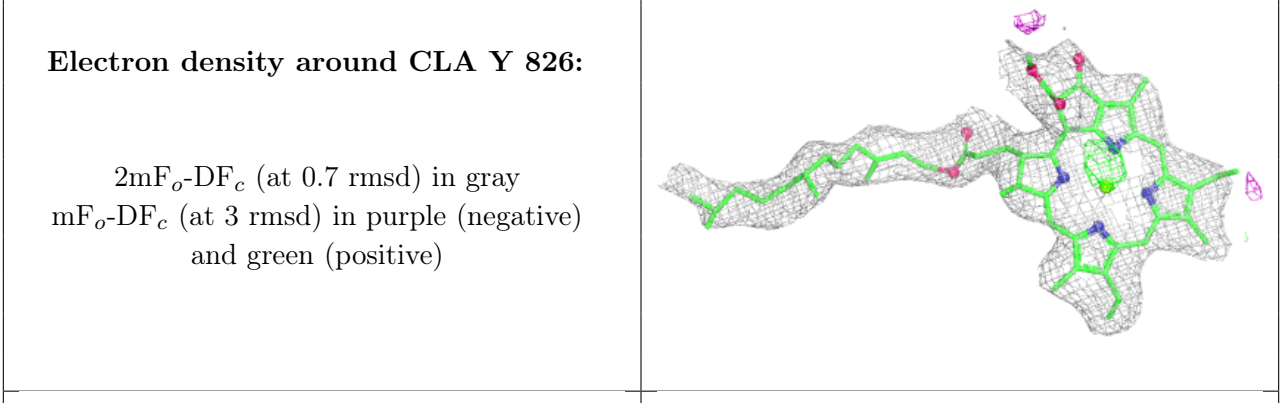






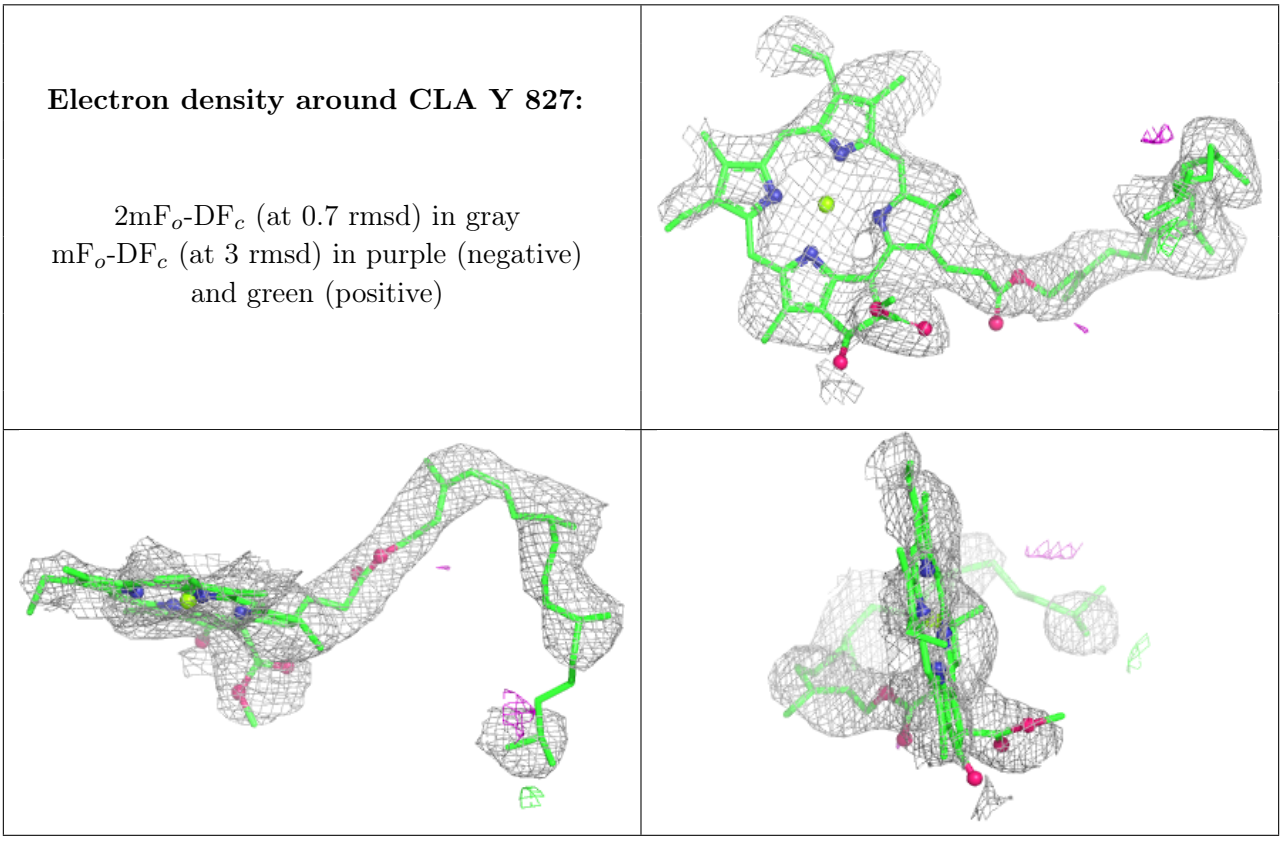
Electron density around CLA Y 826:

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



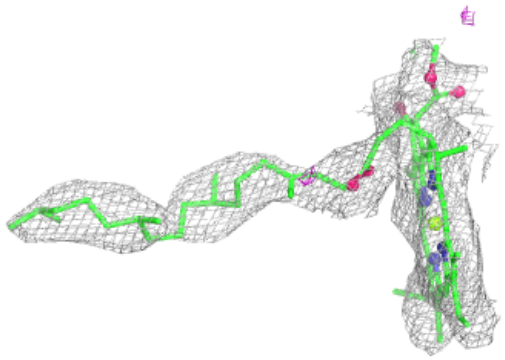
Electron density around CLA Y 827:

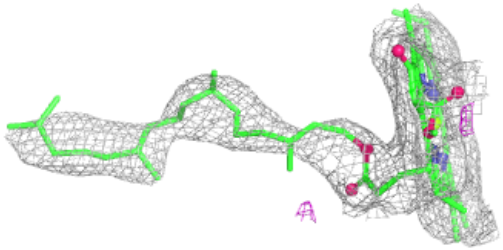
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

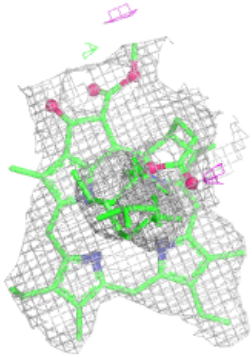


Electron density around CLA Y 828:

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

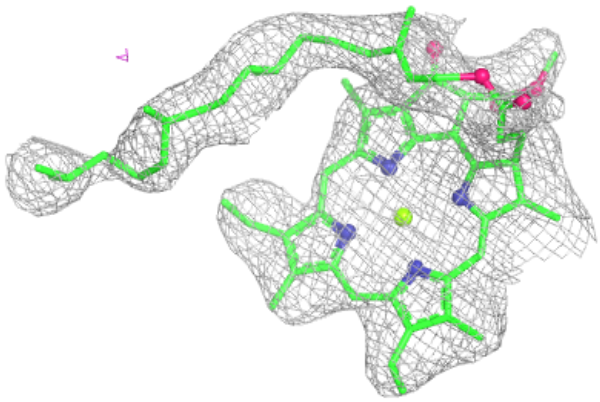


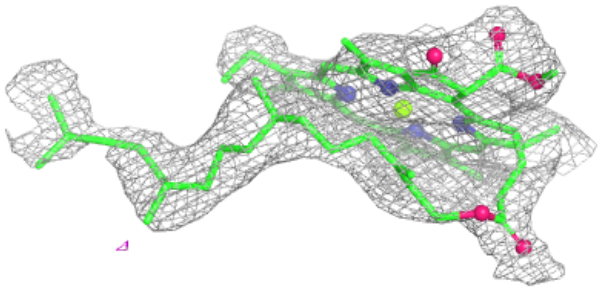


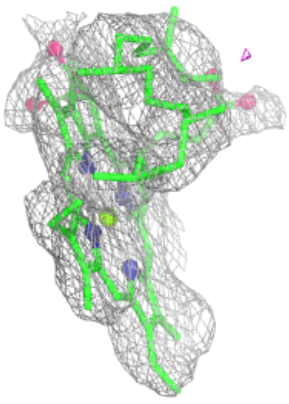


Electron density around CLA Y 829:

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

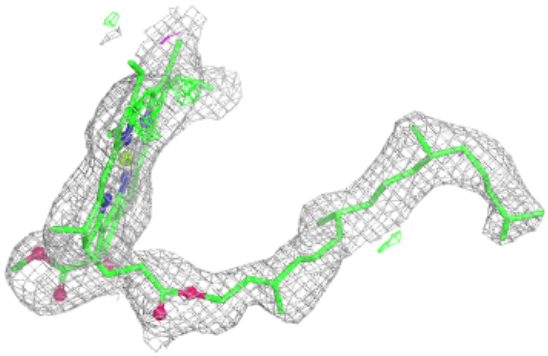


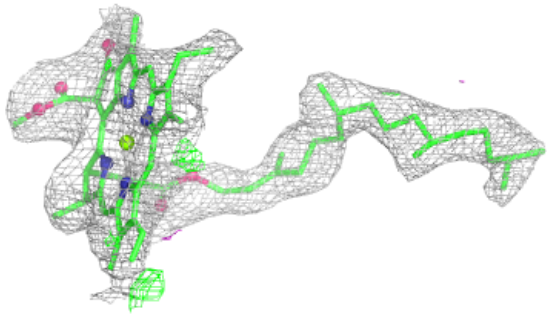


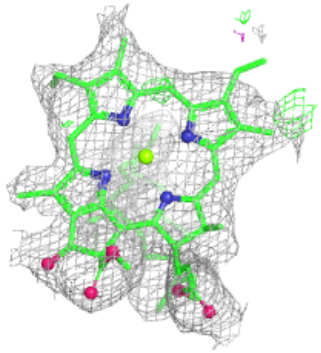


Electron density around CLA Y 830:

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

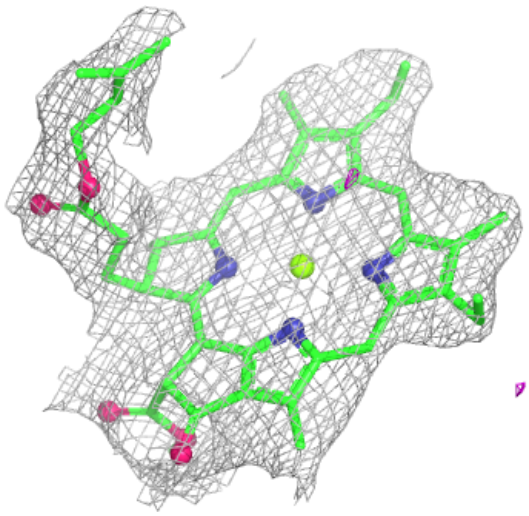


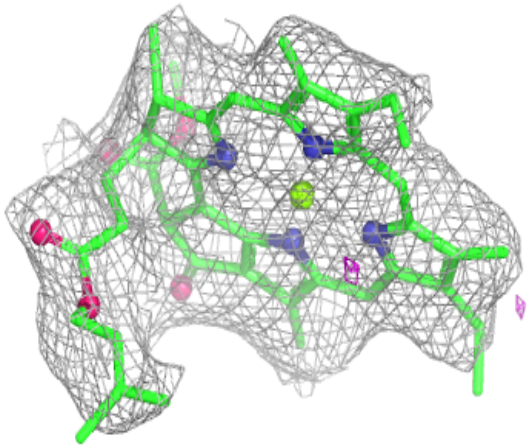


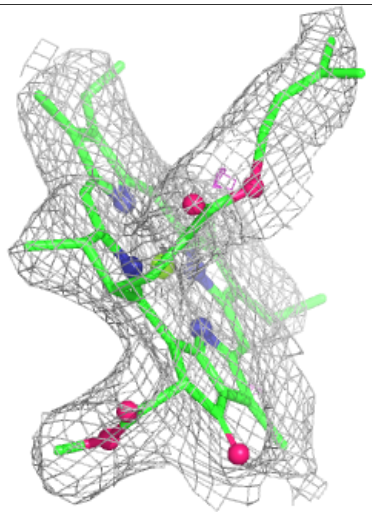


Electron density around CLA Y 831:

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

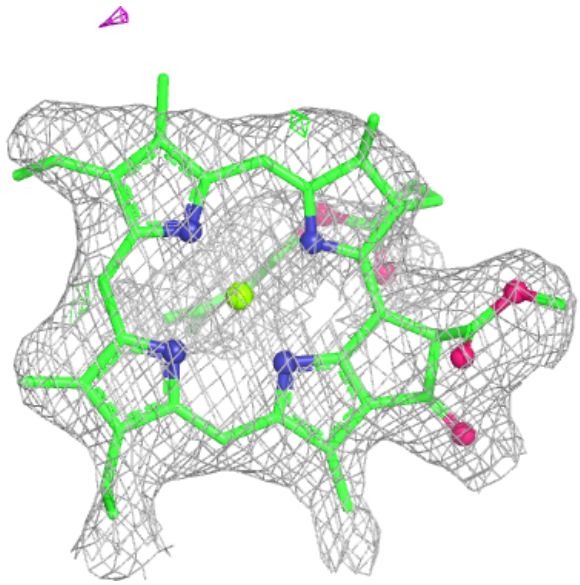


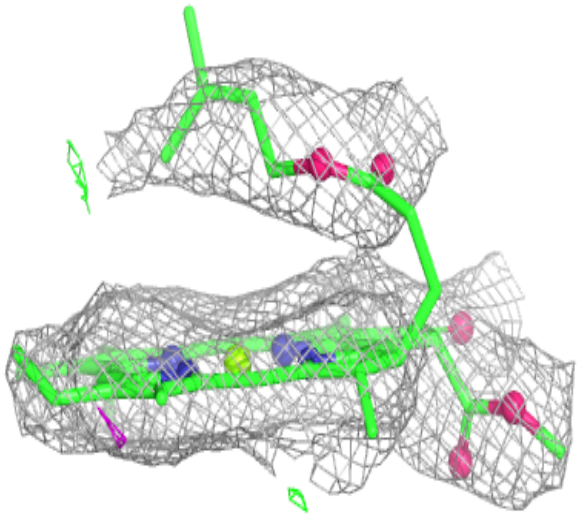


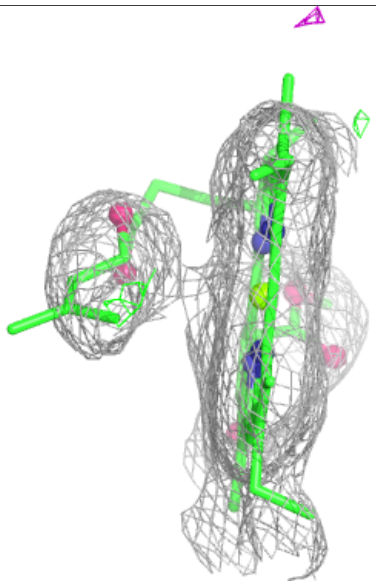


Electron density around CLA G 823:

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

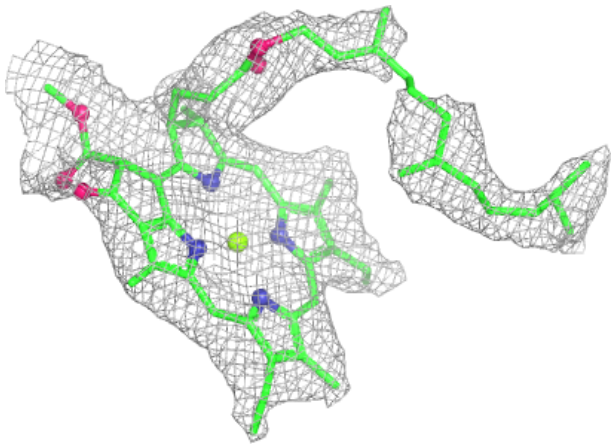


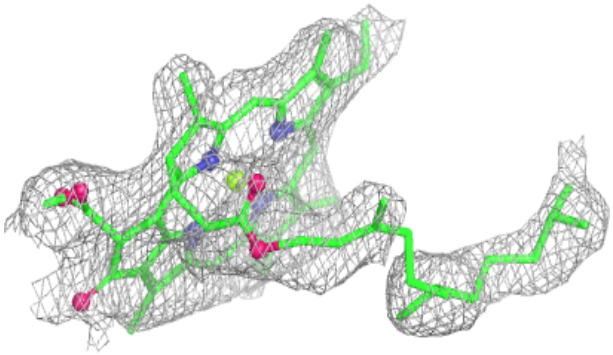


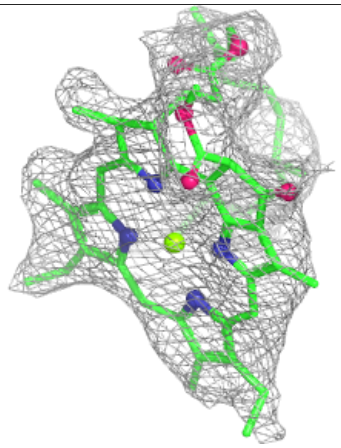


Electron density around CLA G 824:

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

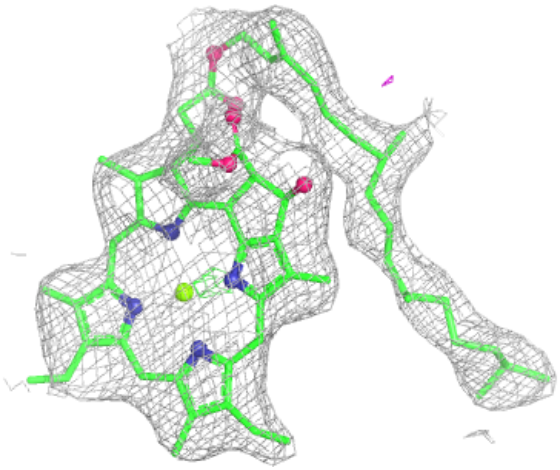


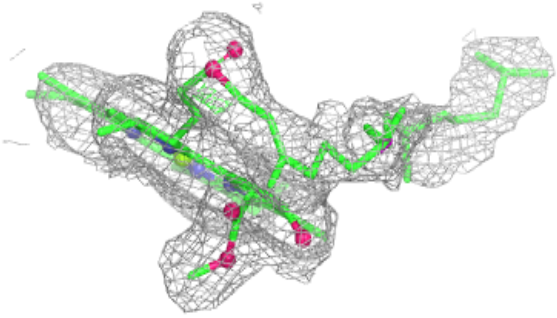


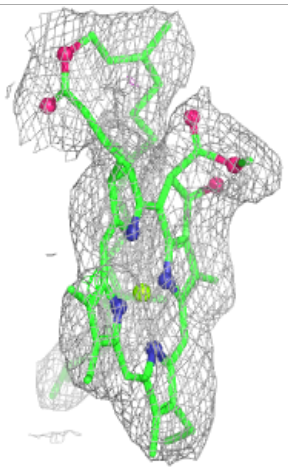


Electron density around CLA G 825:

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

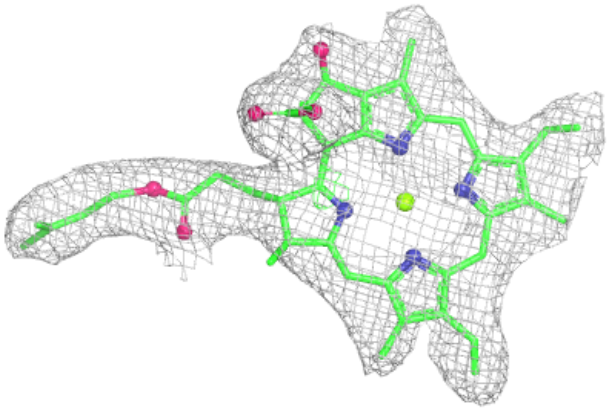


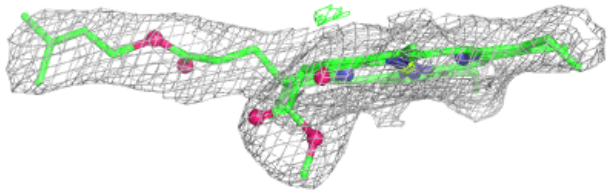


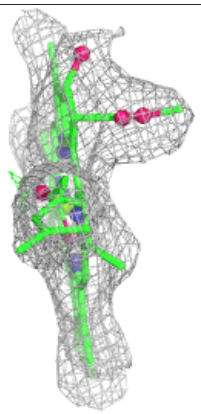


Electron density around CLA Y 835:

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

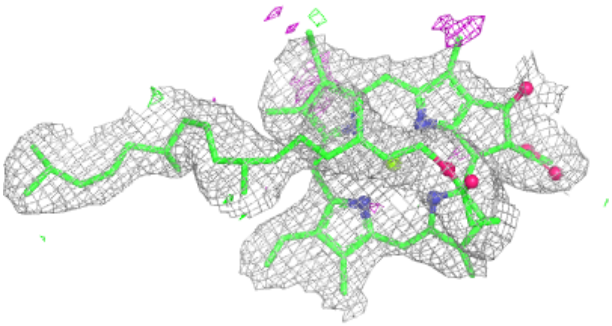


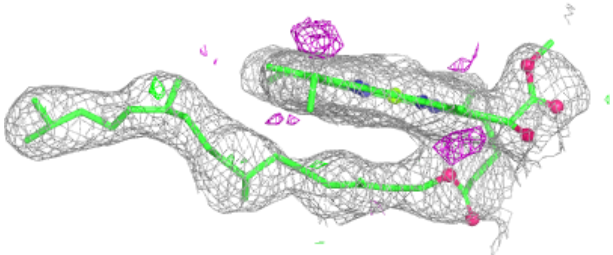


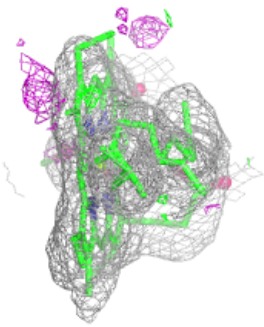


Electron density around CLA Y 836:

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

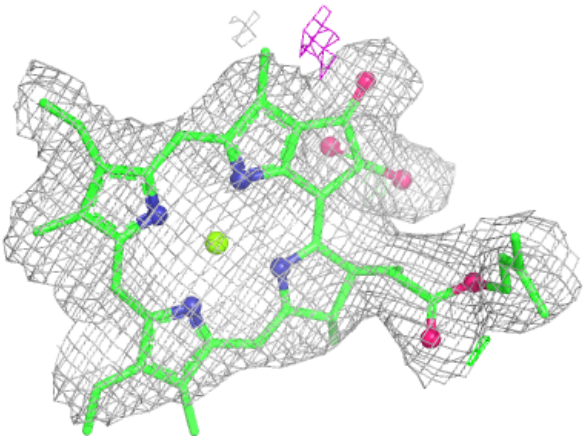


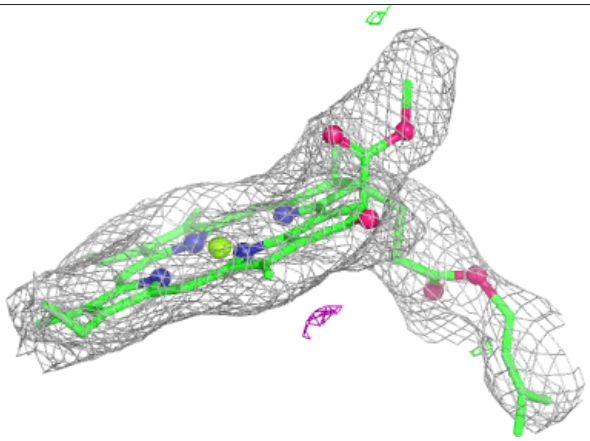


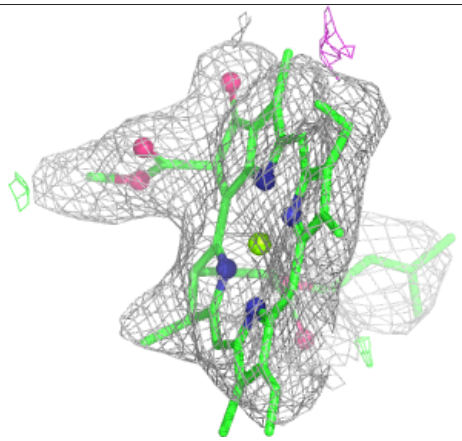


Electron density around CLA Y 837:

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

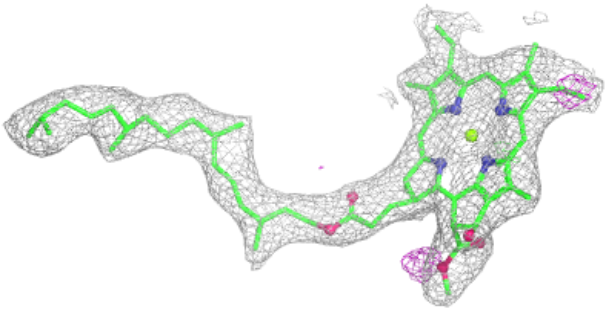


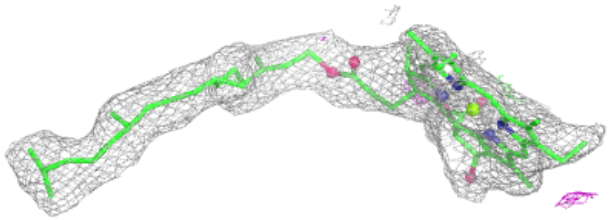


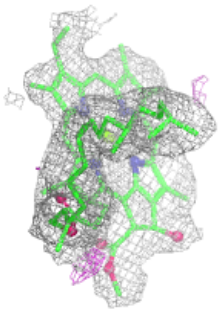


Electron density around CLA A 803:

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

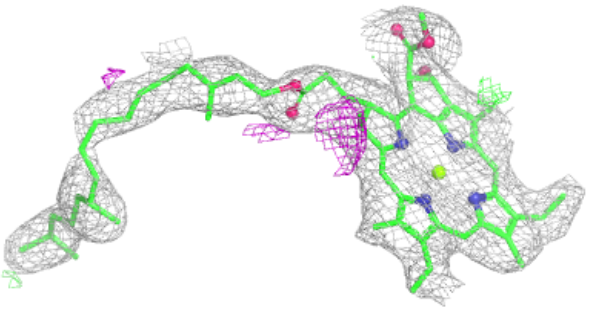


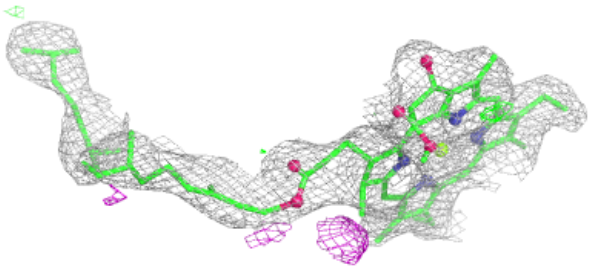


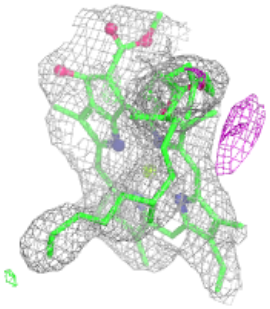


Electron density around CLA A 854:

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

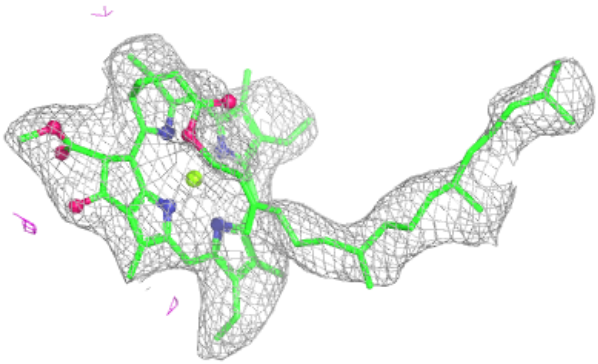


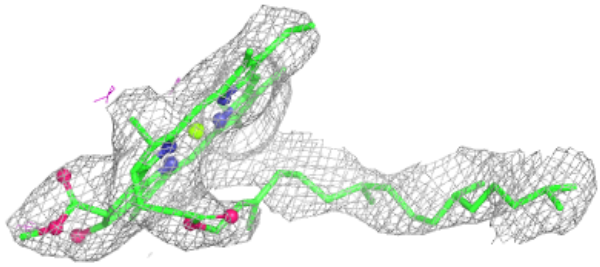


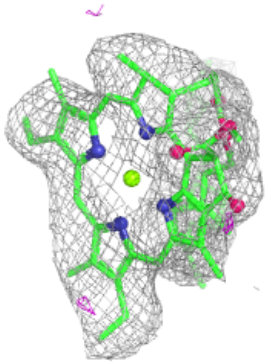


Electron density around CLA Y 840:

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

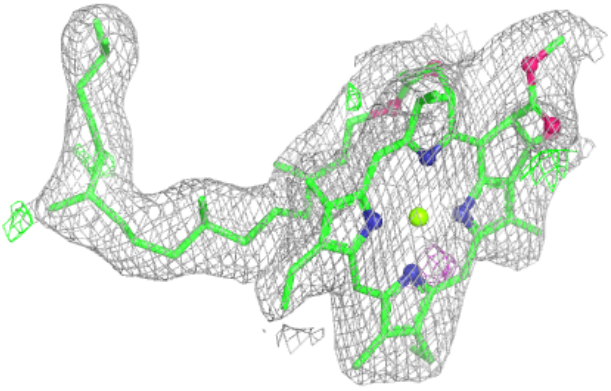


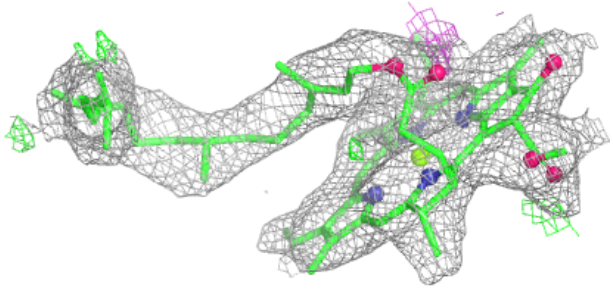


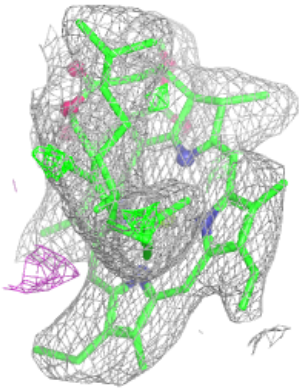


Electron density around CLA Y 841:

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

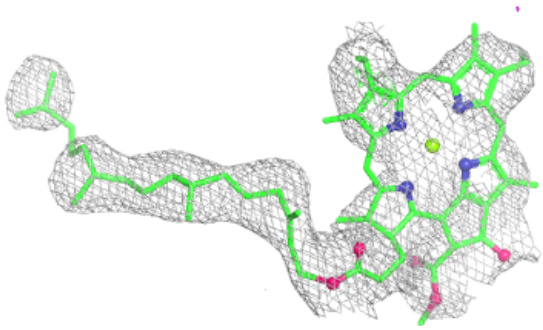


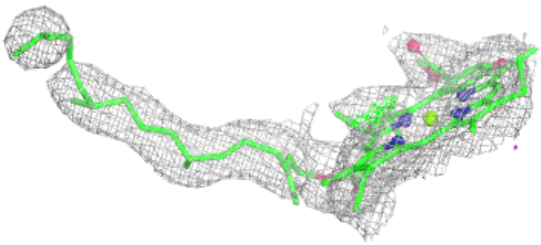




Electron density around CLA Z 801:

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

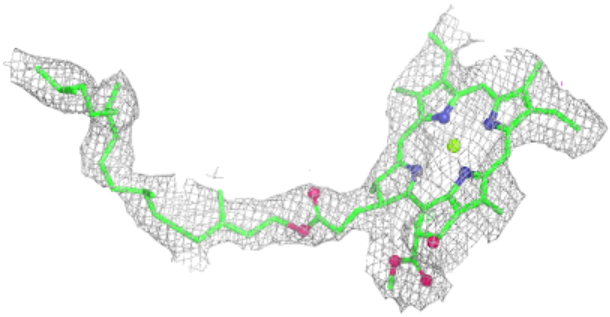


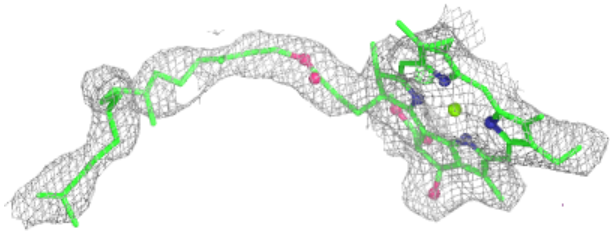


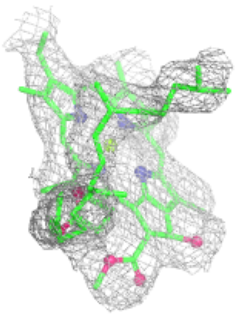


Electron density around CLA Z 802:

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

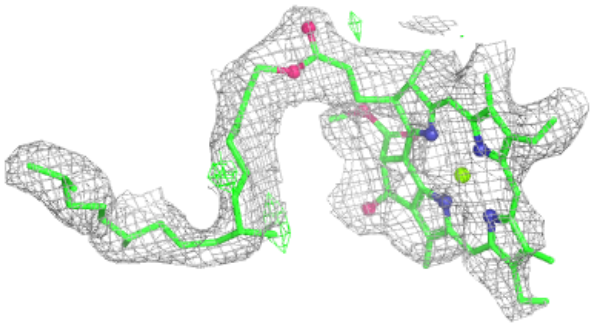


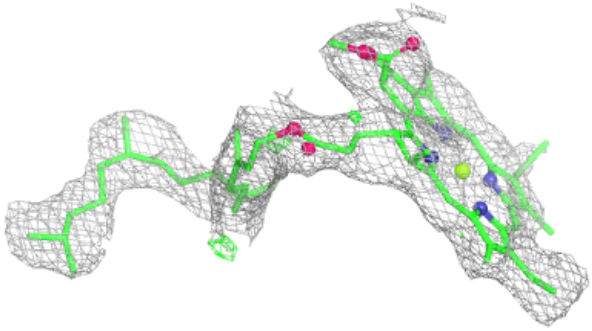


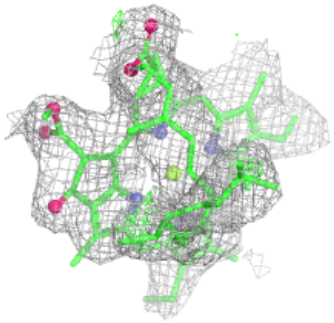


Electron density around CLA Z 803:

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

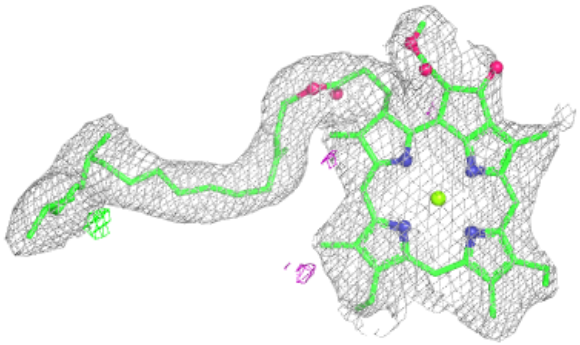


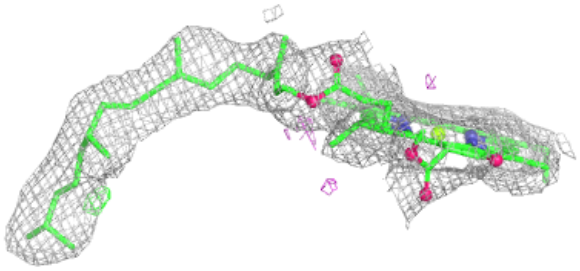


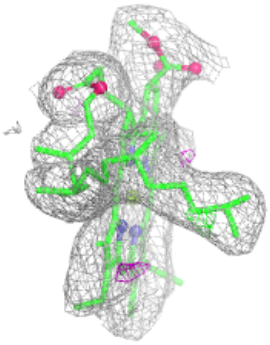


Electron density around CLA Z 804:

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

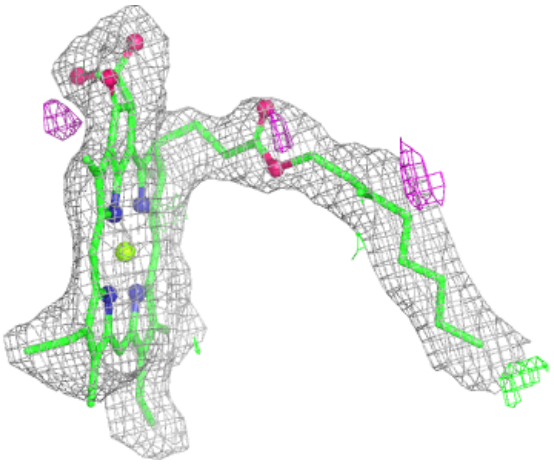


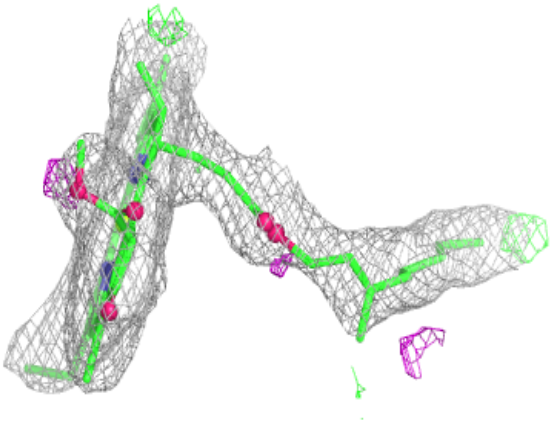


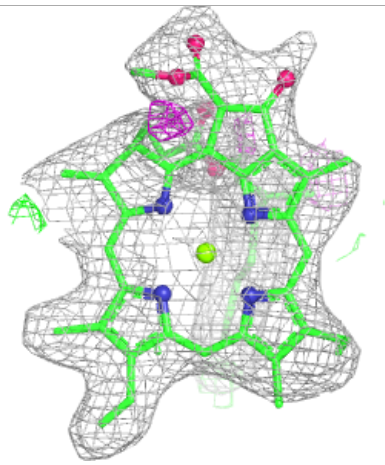


Electron density around CLA Z 805:

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

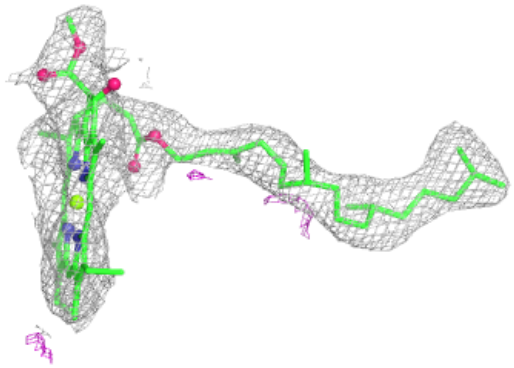


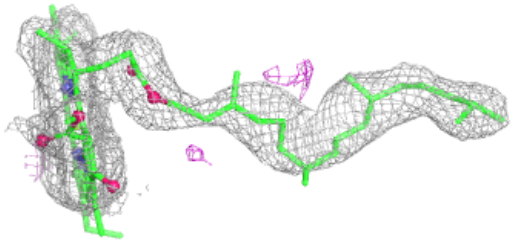


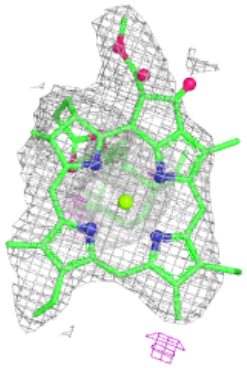


Electron density around CLA G 828:

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

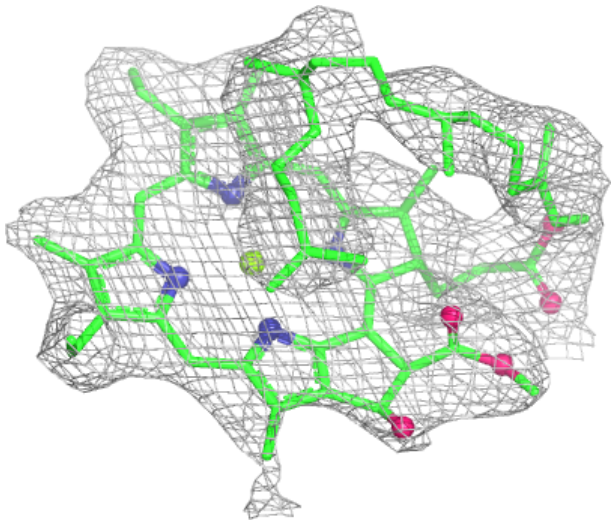


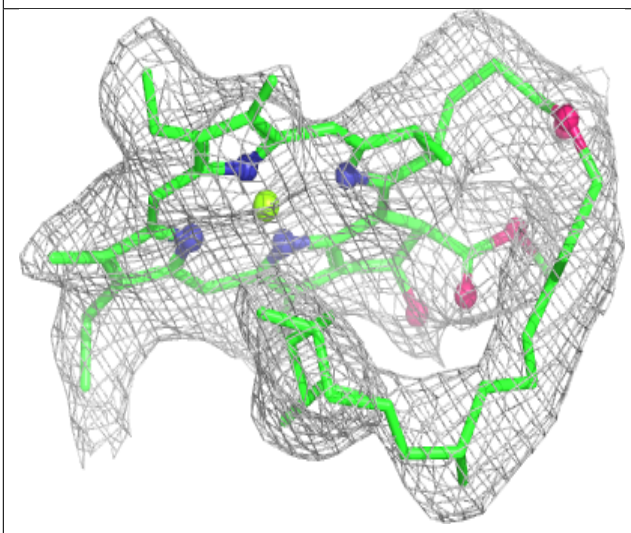


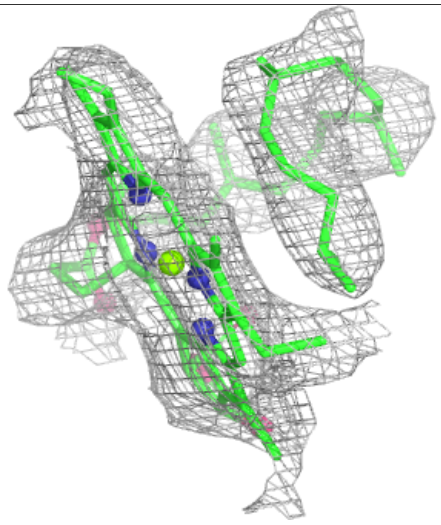


Electron density around CLA Z 807:

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

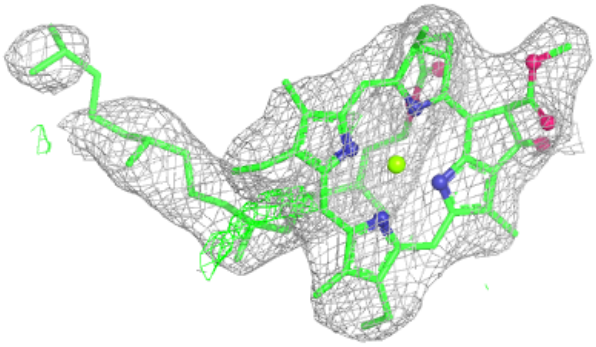


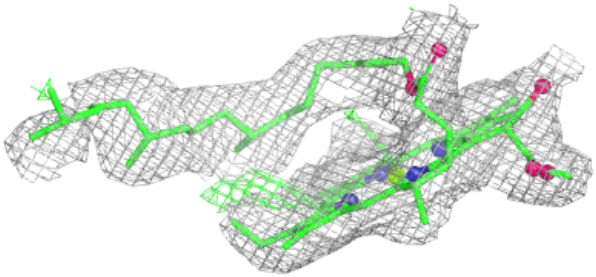


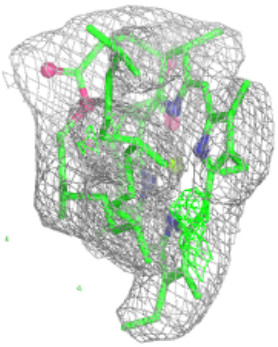


Electron density around CLA Z 808:

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

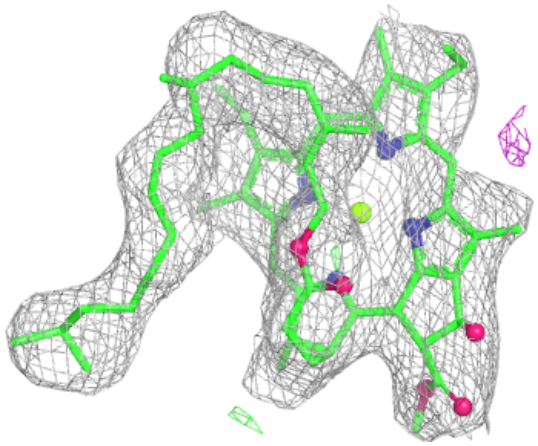


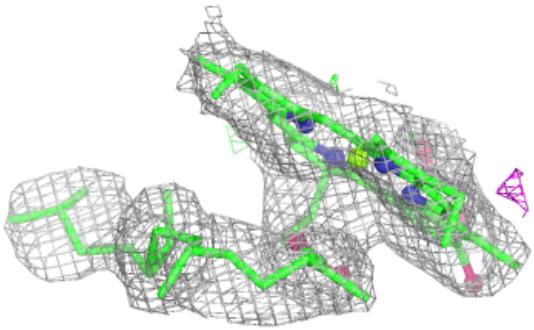




Electron density around CLA Z 809:

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

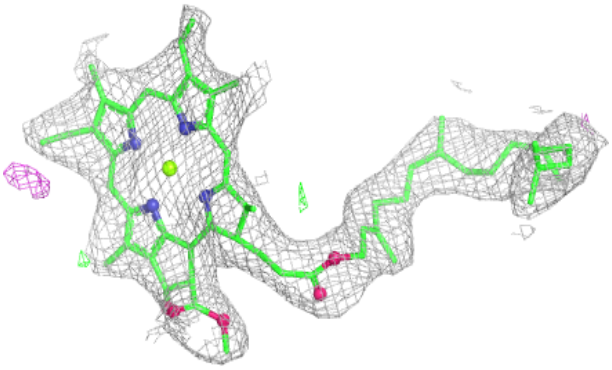


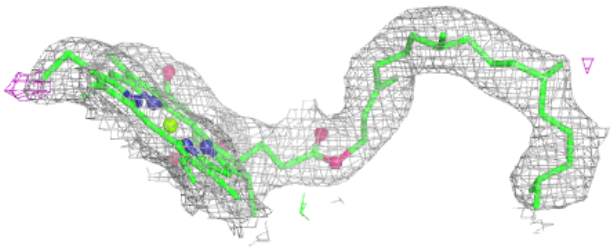


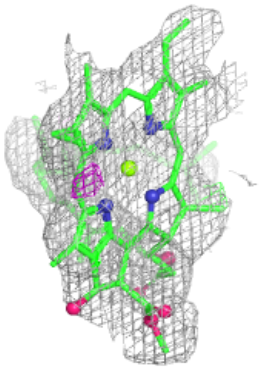


Electron density around CLA Z 810:

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

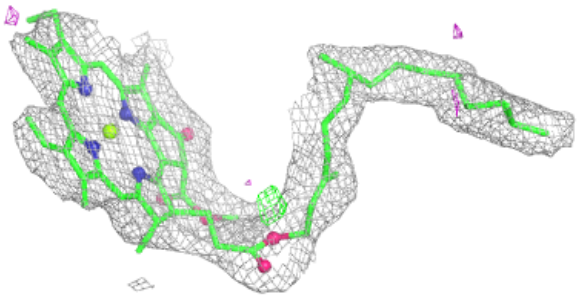


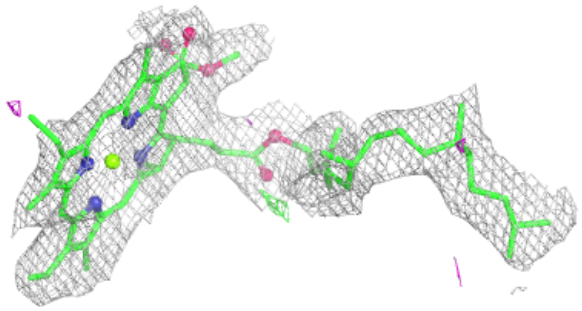


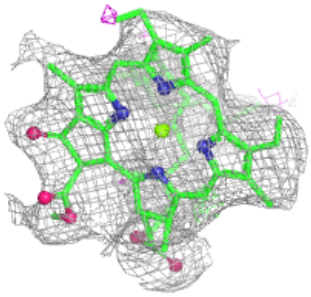


Electron density around CLA B 801:

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



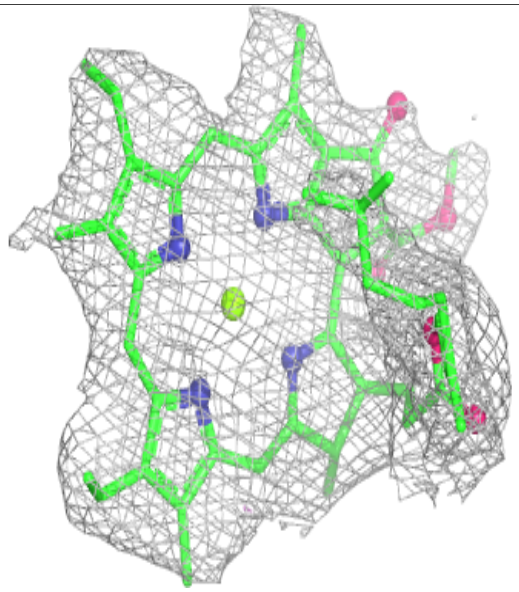


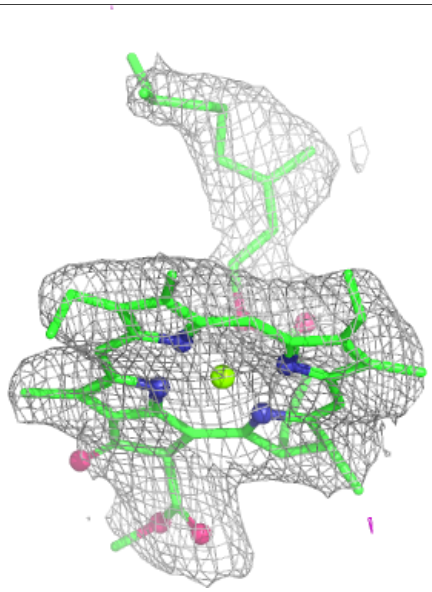


Electron density around CLA Z 812:

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

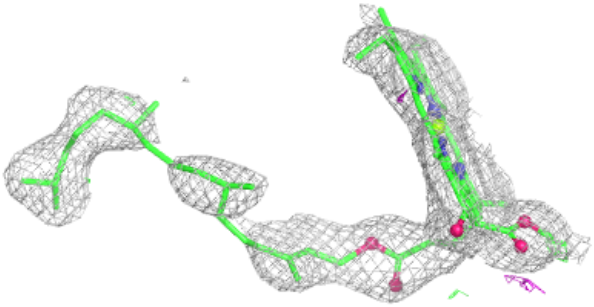


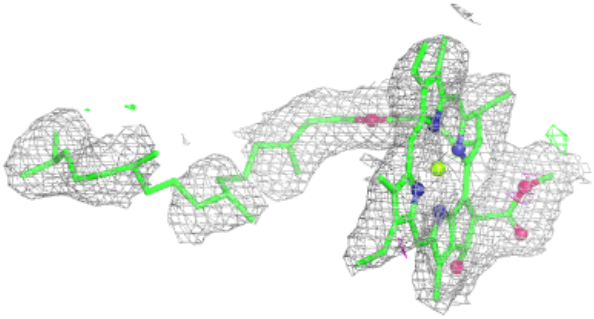


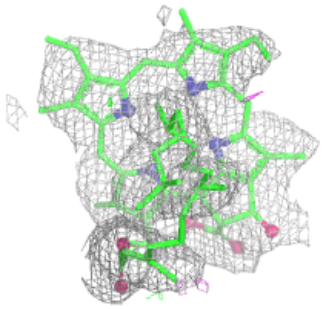


Electron density around CLA G 830:

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

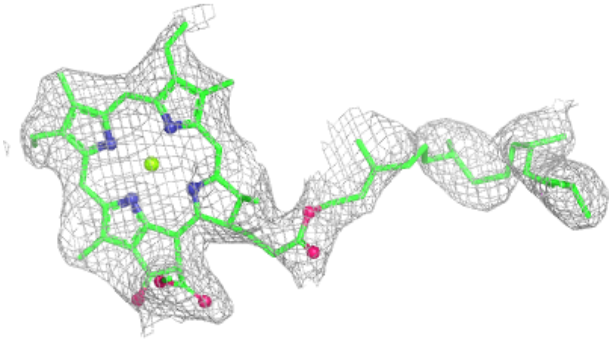


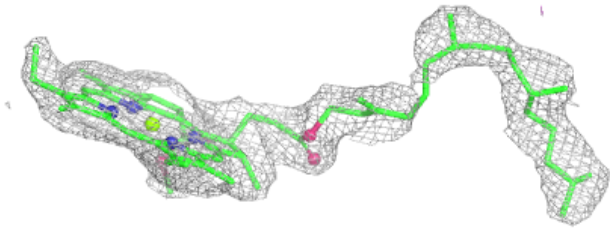


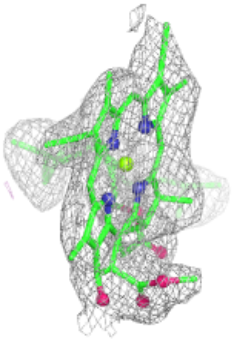


Electron density around CLA Z 814:

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

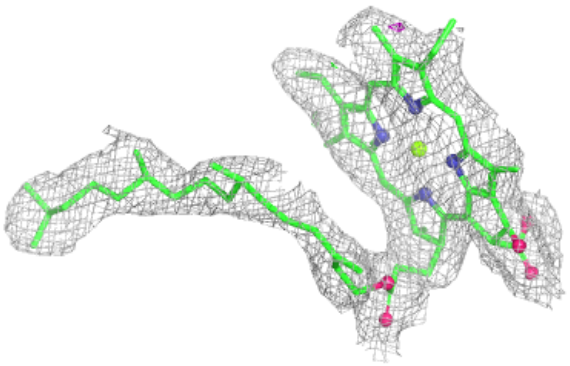


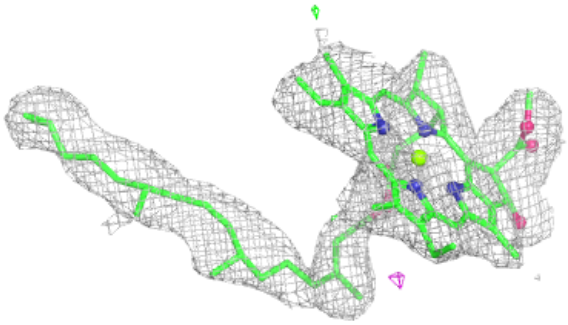


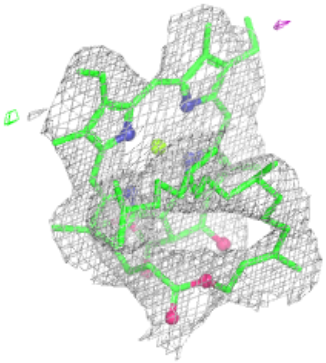


Electron density around CLA Z 815:

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

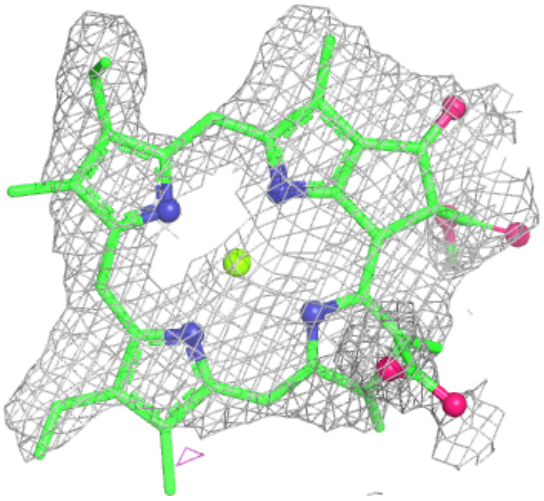


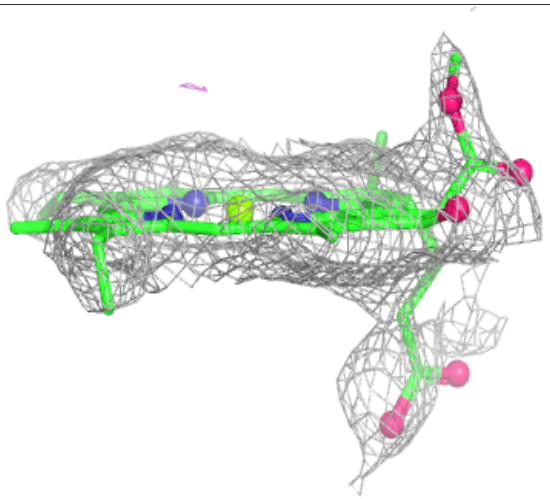


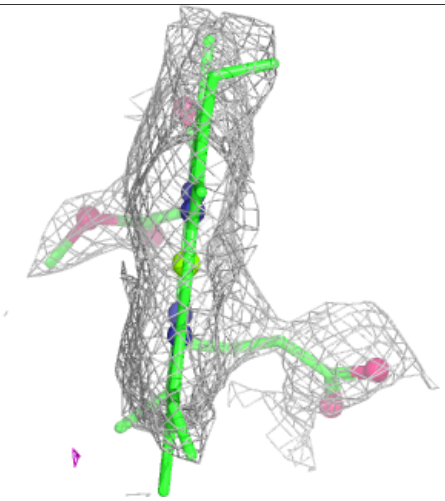


Electron density around CLA Z 816:

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

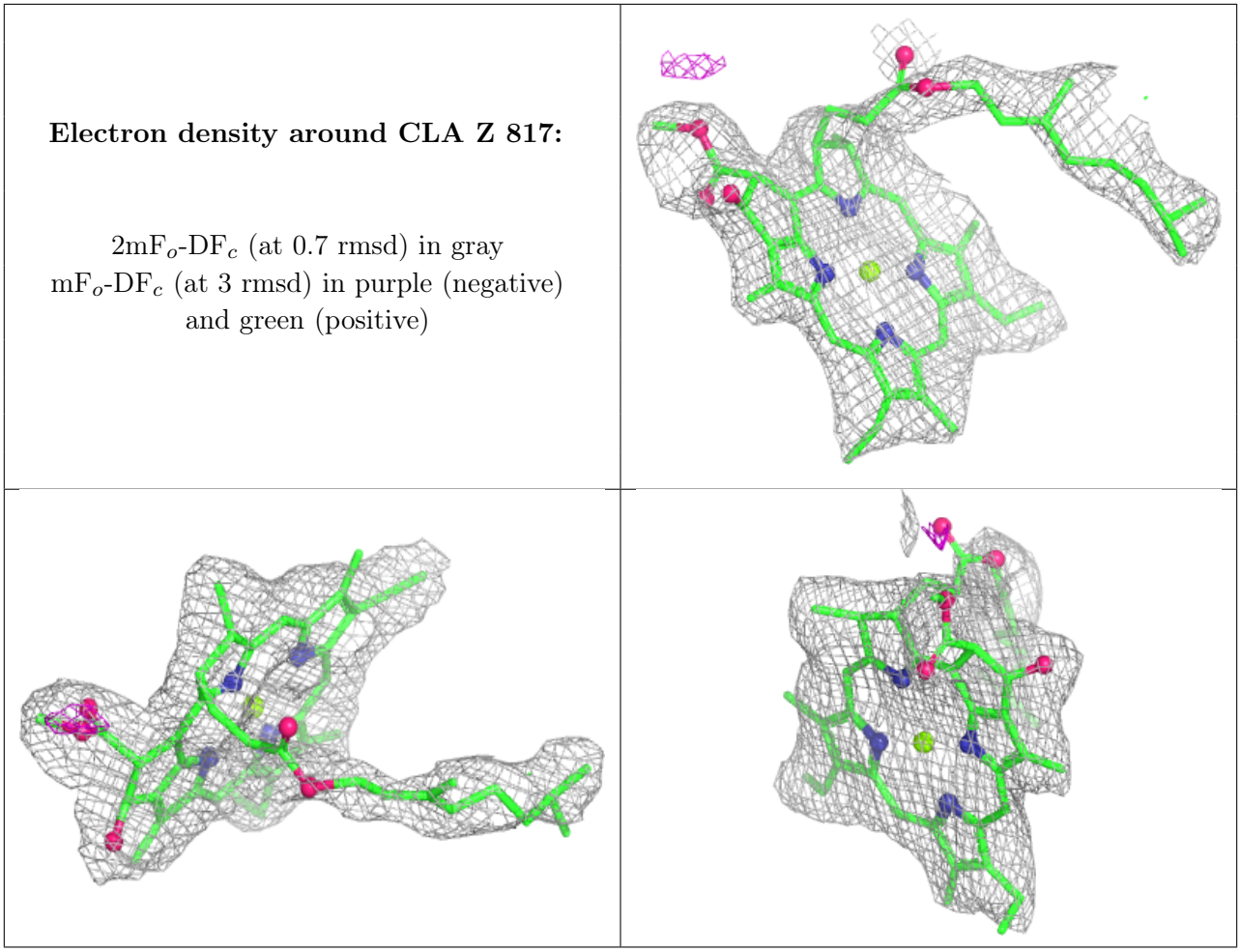






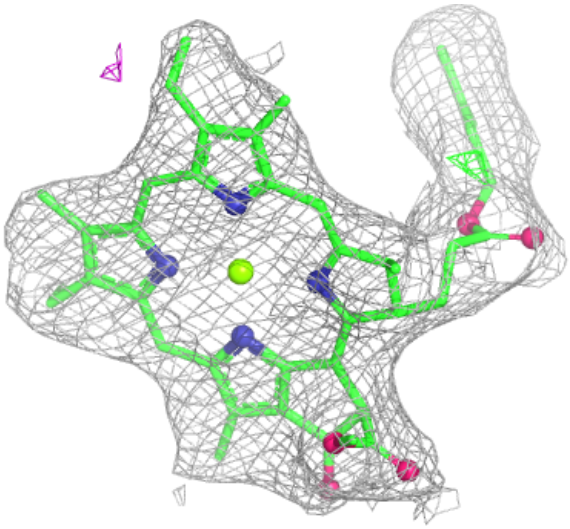
Electron density around CLA Z 817:

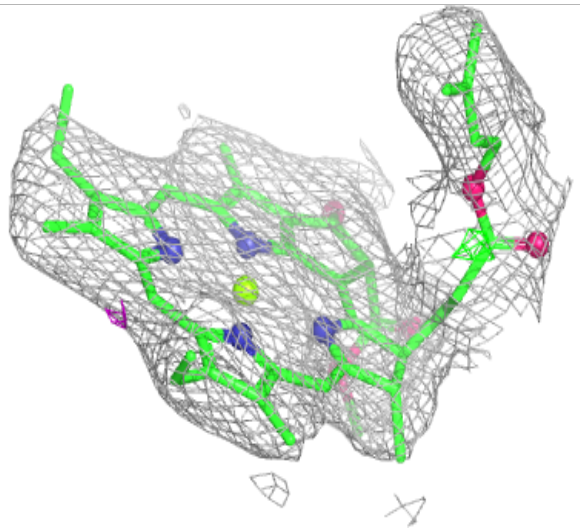
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

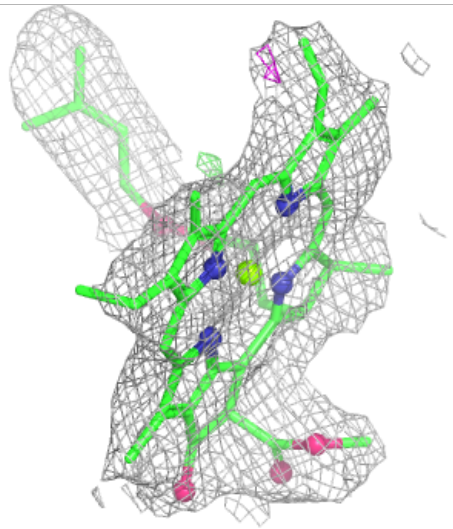


Electron density around CLA G 831:

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

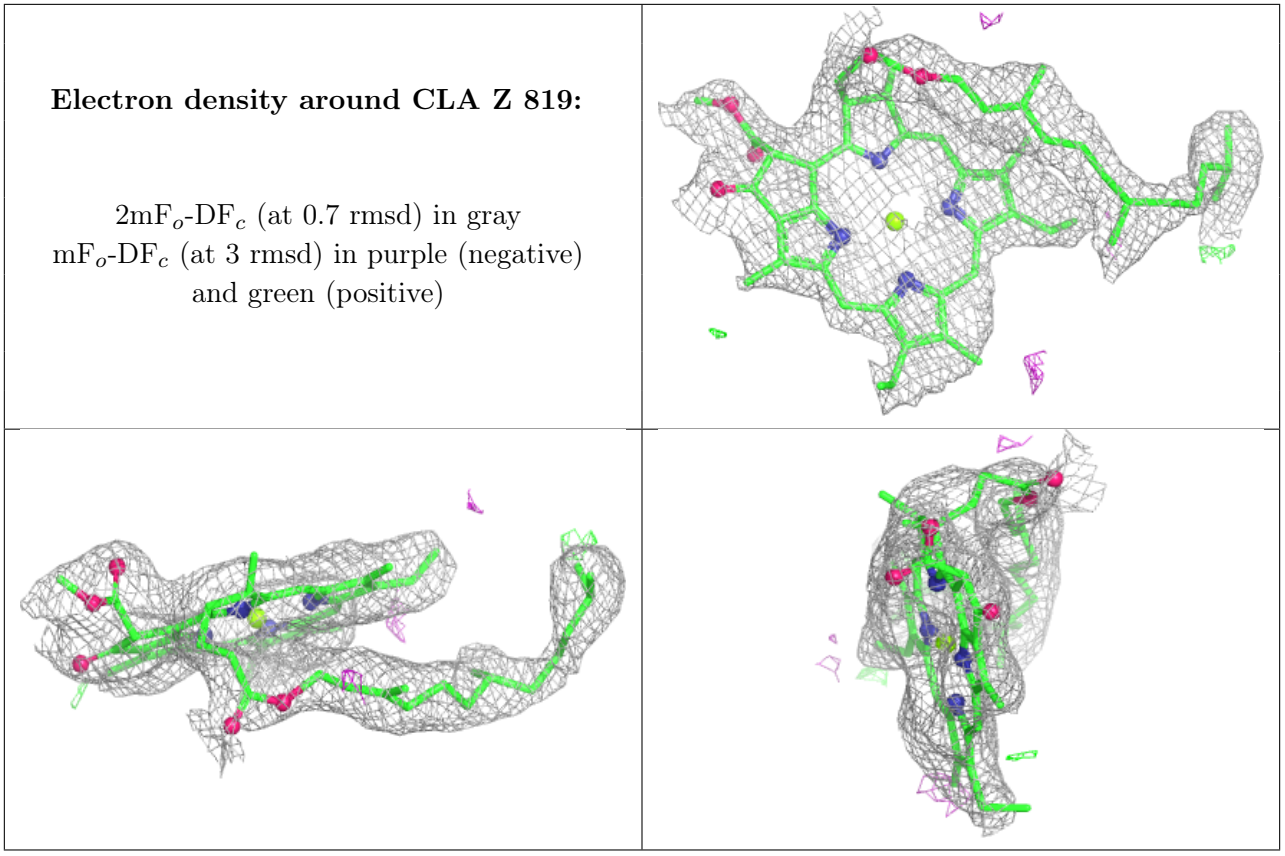






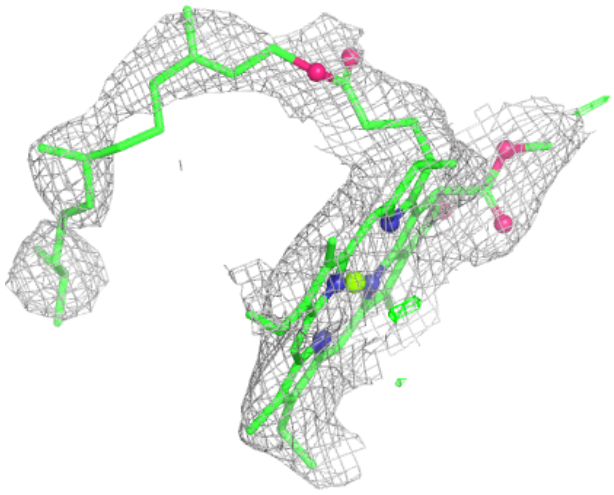
Electron density around CLA Z 819:

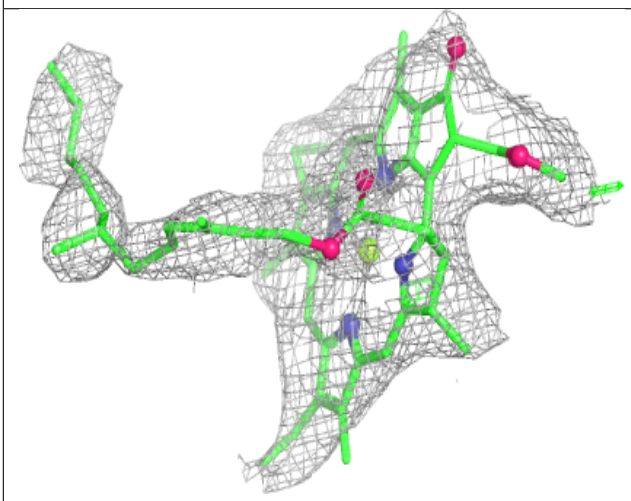
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

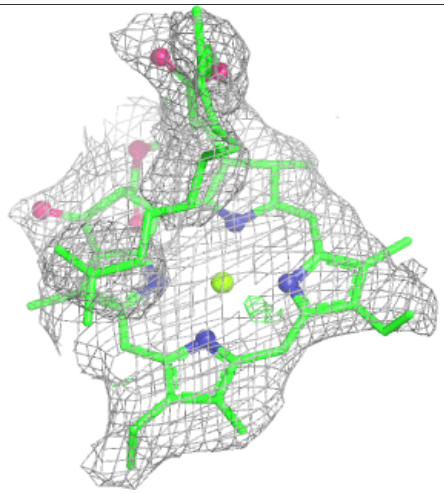


Electron density around CLA Z 820:

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

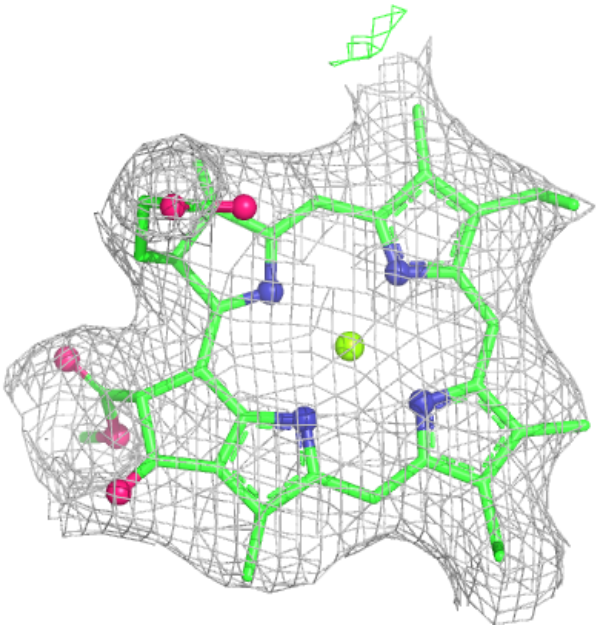


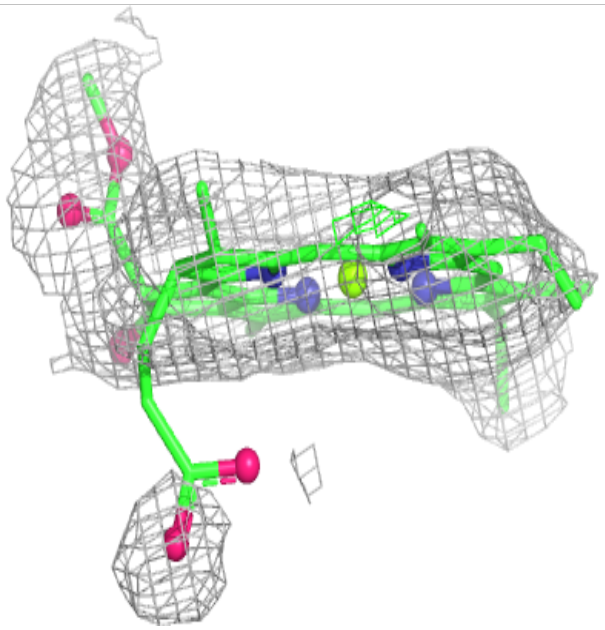


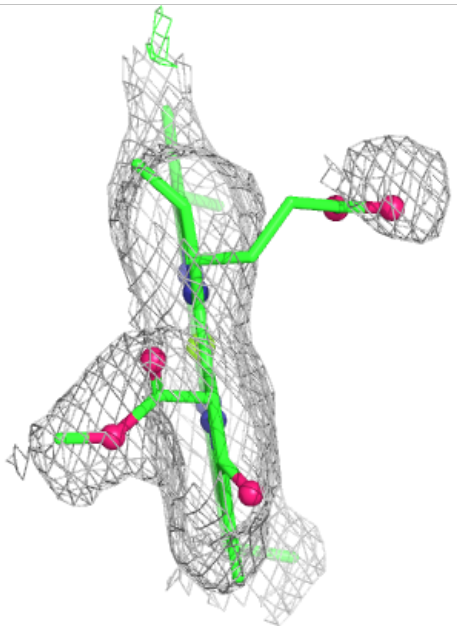


Electron density around CLA Z 821:

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

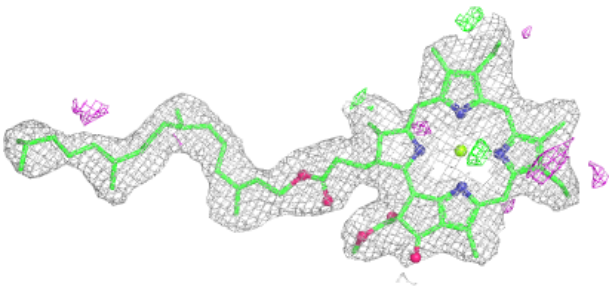


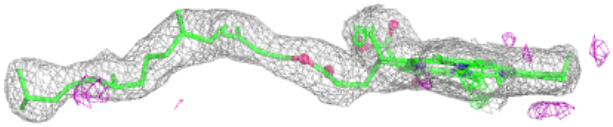




Electron density around CLA G 832:

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

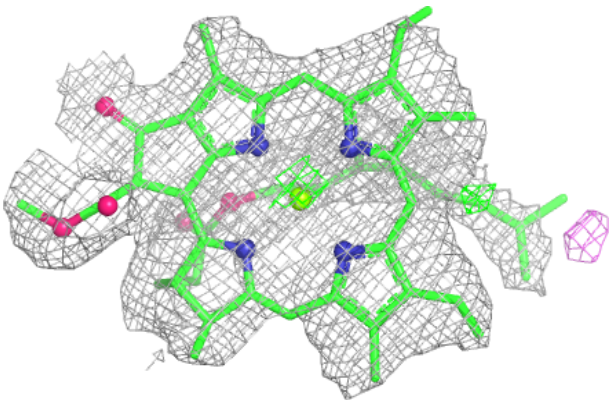


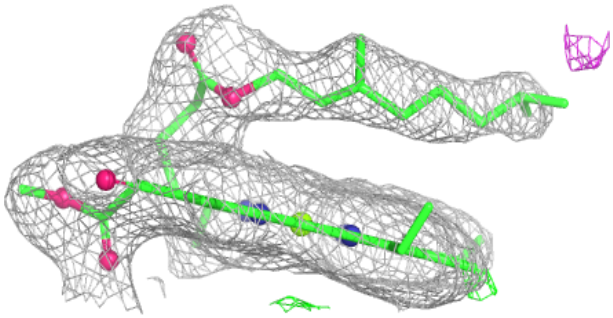


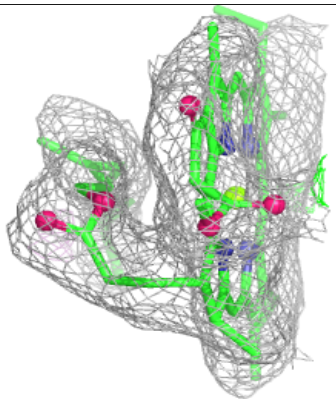


Electron density around CLA Z 823:

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

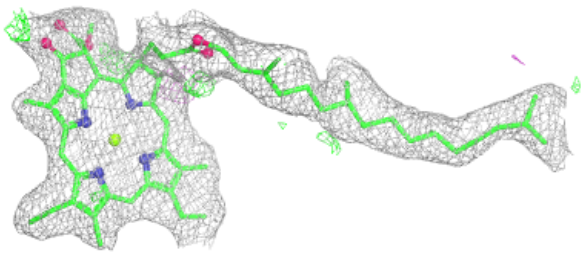


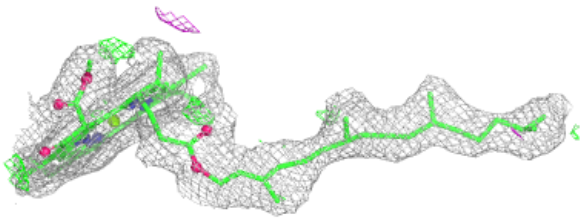




Electron density around CLA G 833:

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

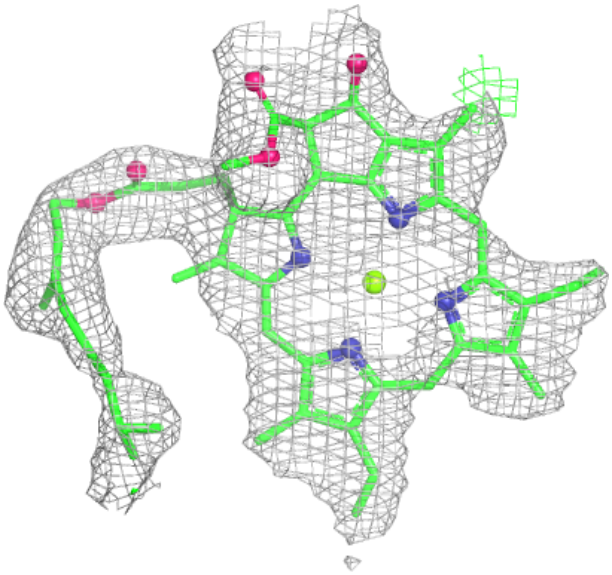


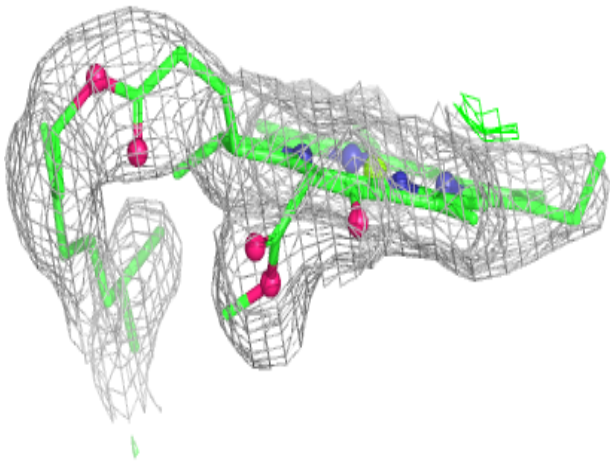


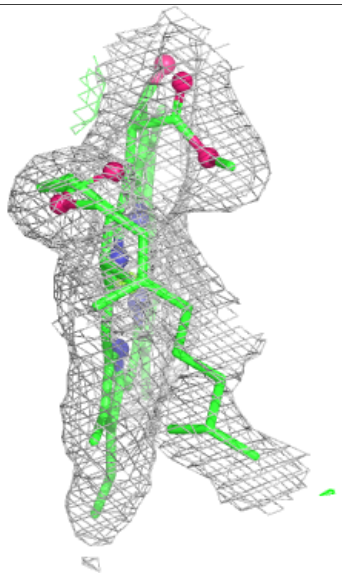


Electron density around CLA Z 825:

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

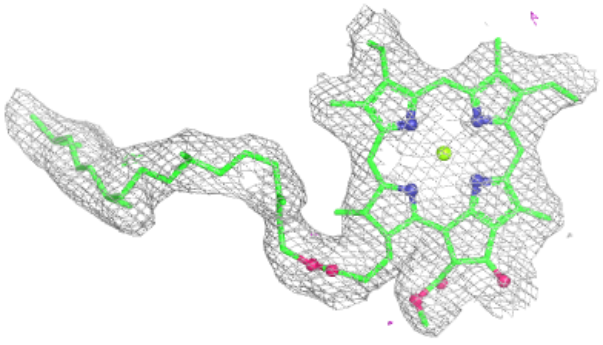


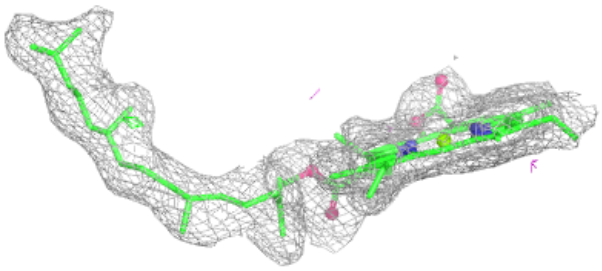


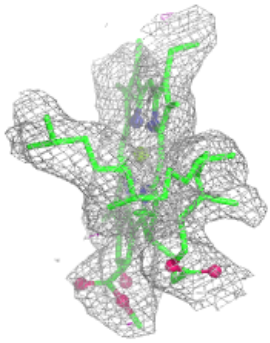


Electron density around CLA B 802:

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

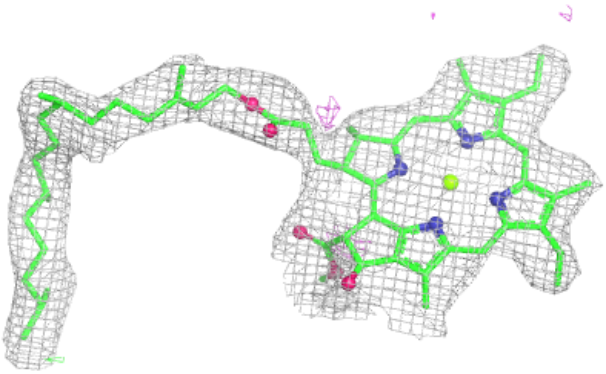


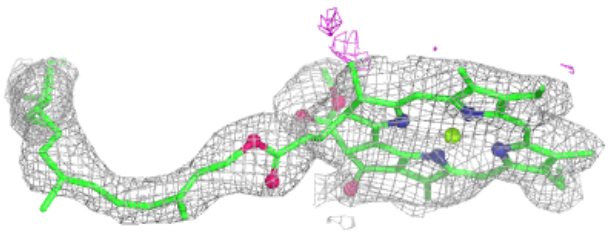


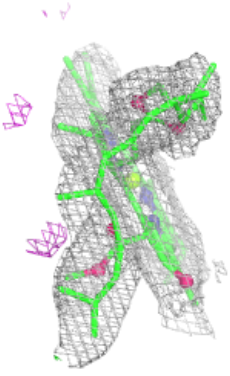


Electron density around CLA Z 827:

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

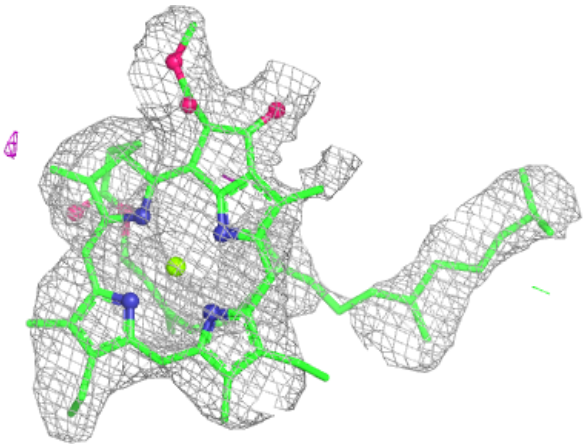


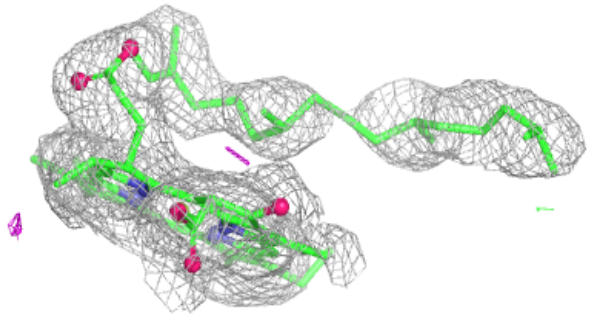




Electron density around CLA Z 828:

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

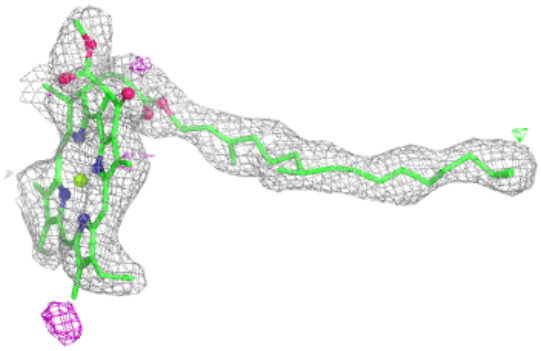


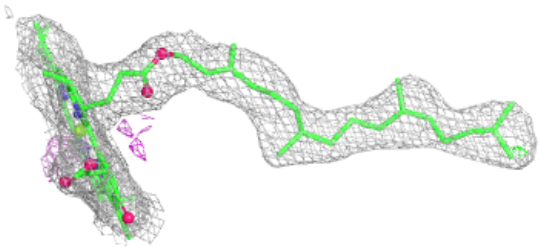


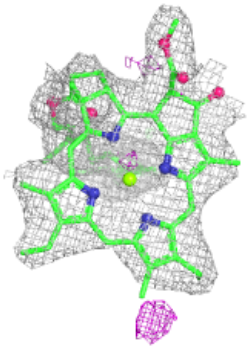


Electron density around CLA Z 829:

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

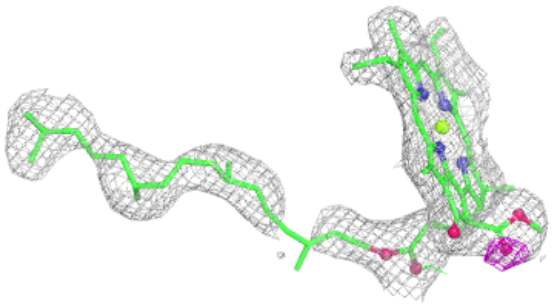


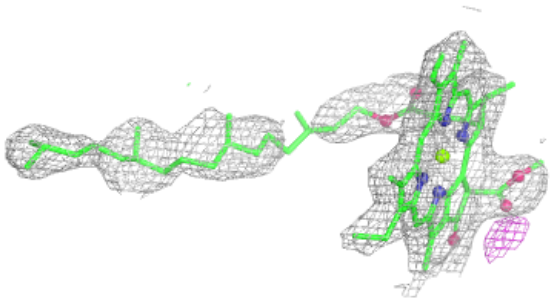


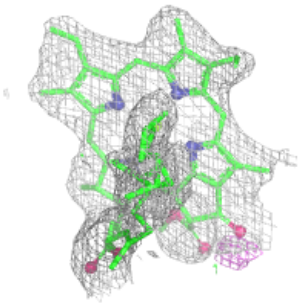


Electron density around CLA Z 830:

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

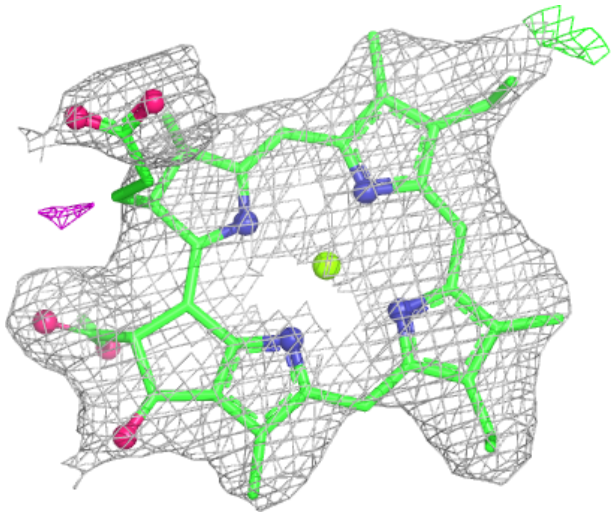


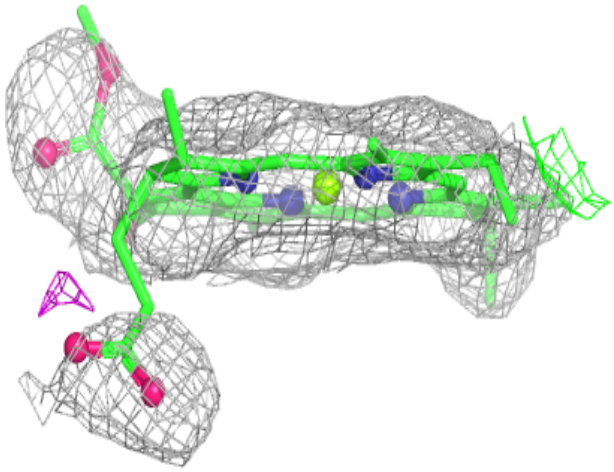


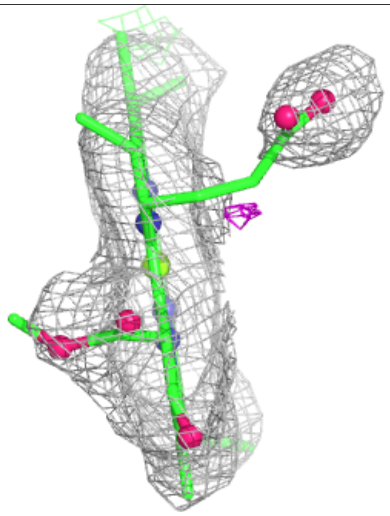


Electron density around CLA Z 831:

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

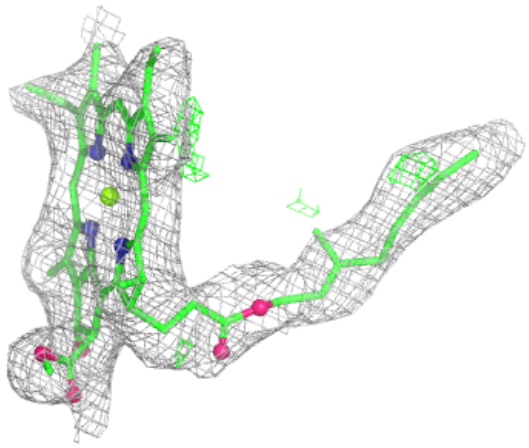


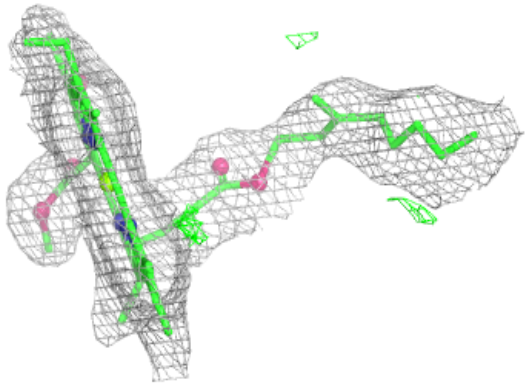


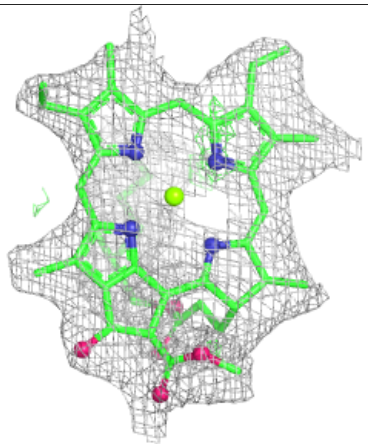


Electron density around CLA B 803:

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

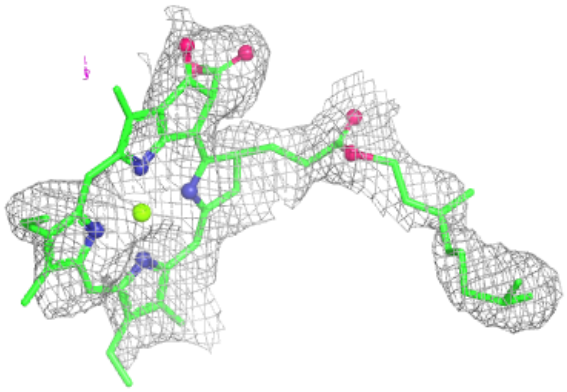


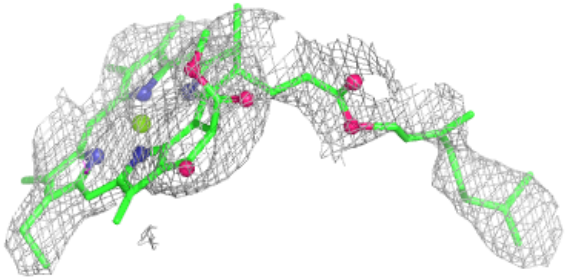


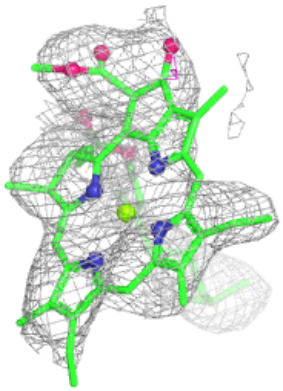


Electron density around CLA Z 833:

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

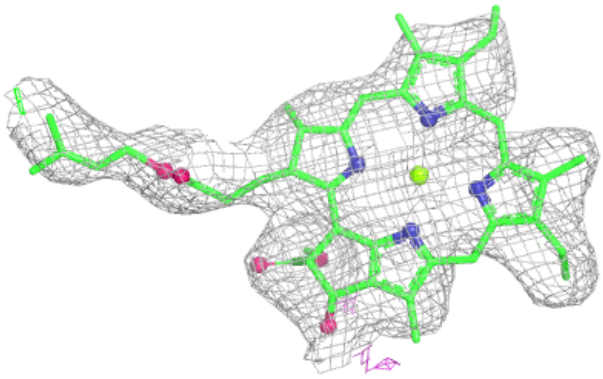


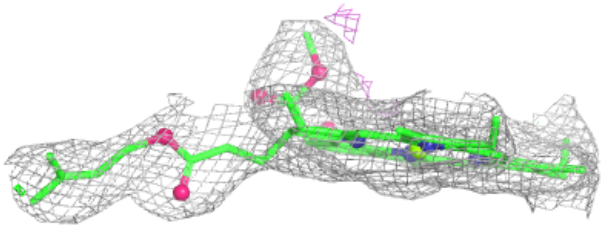


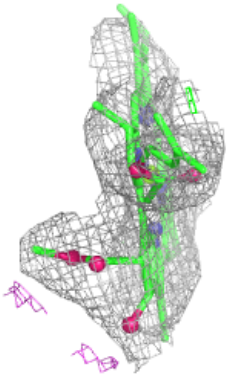


Electron density around CLA G 836:

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

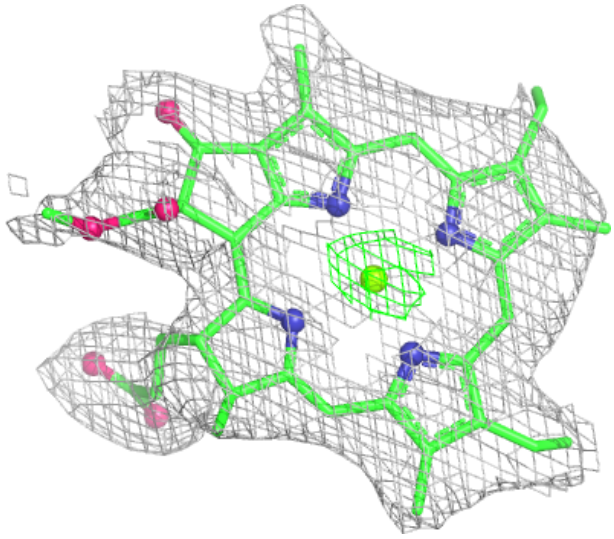


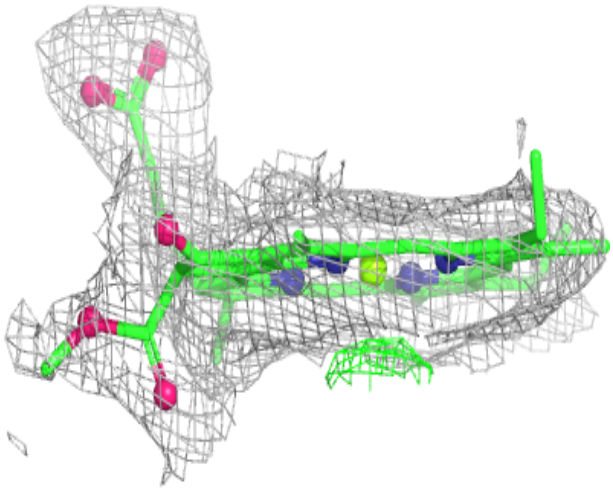




Electron density around CLA Z 835:

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

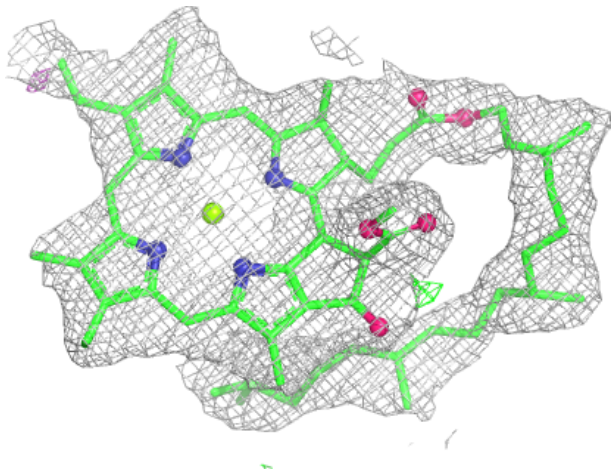


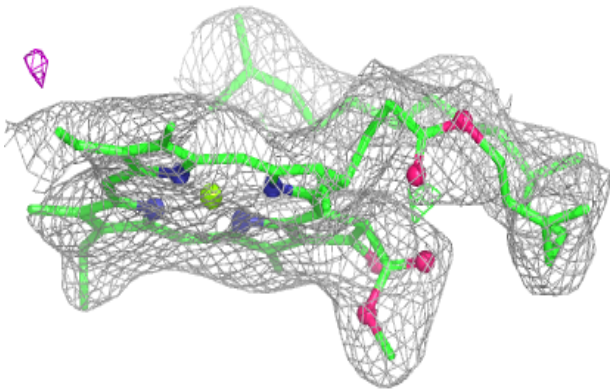


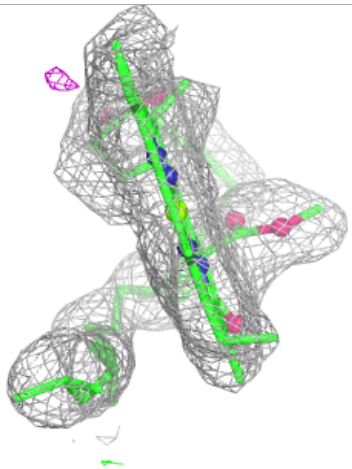


Electron density around CLA B 804:

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

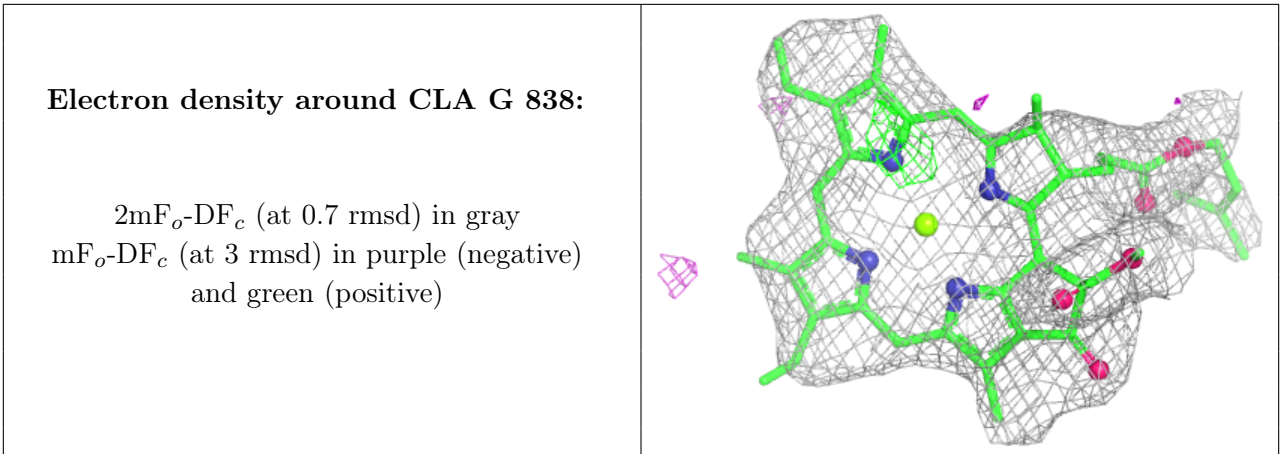






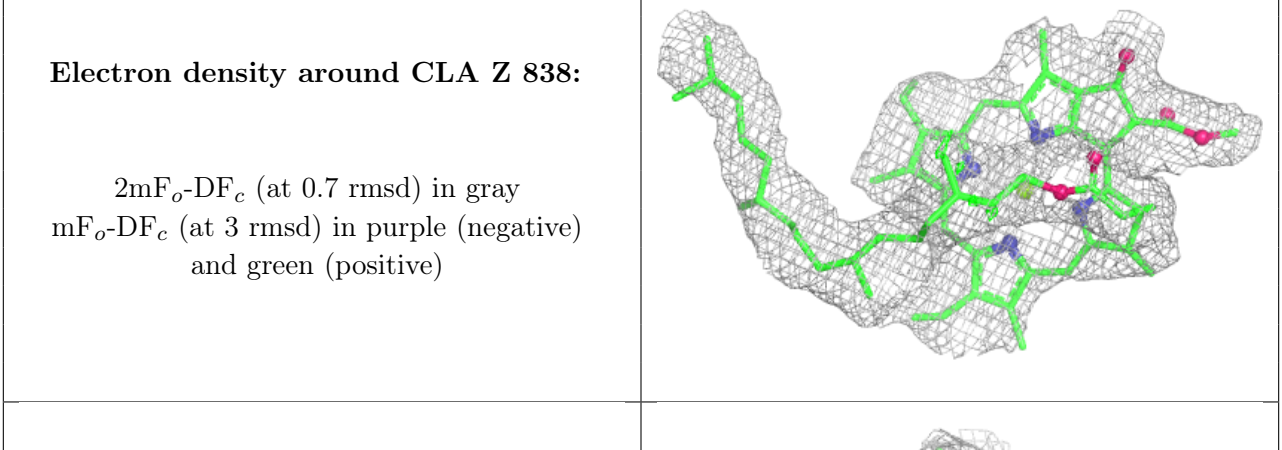
Electron density around CLA G 838:

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



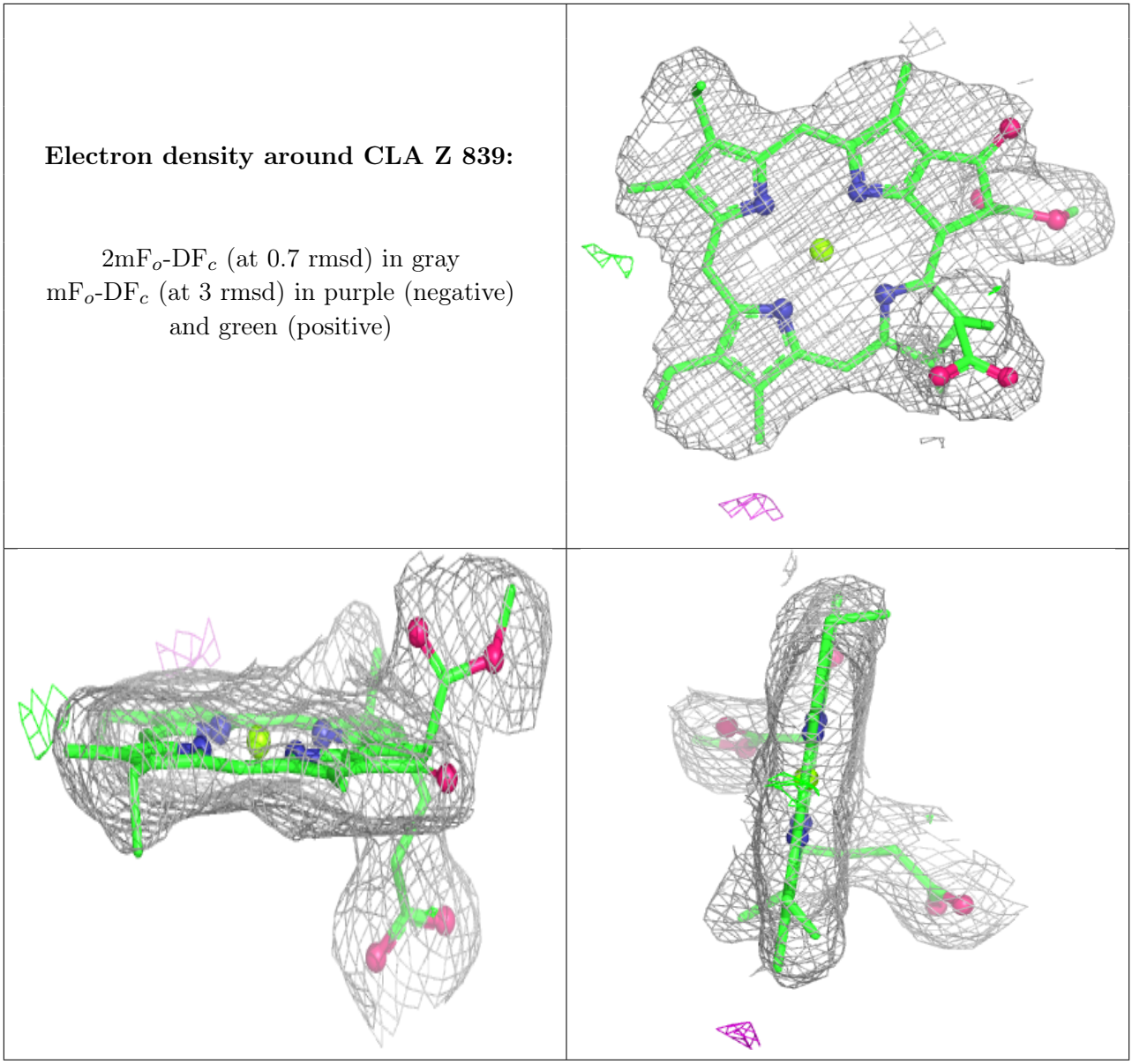
Electron density around CLA Z 838:

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



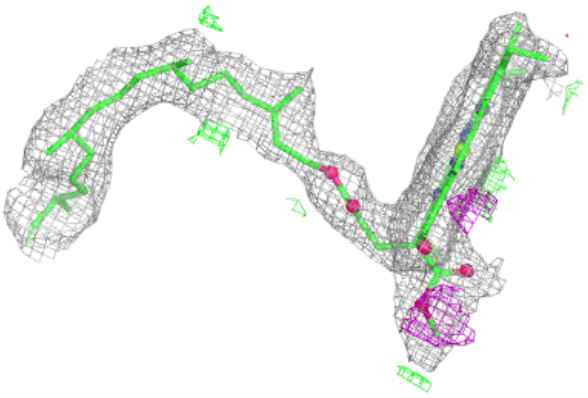
Electron density around CLA Z 839:

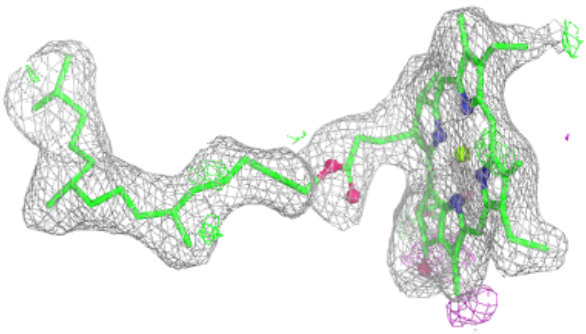
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

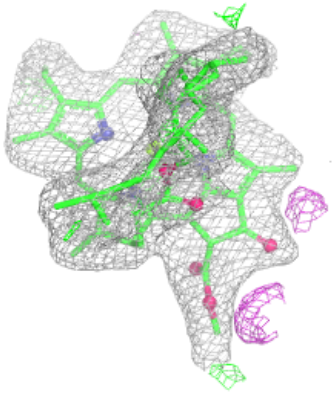


Electron density around CLA Z 840:

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

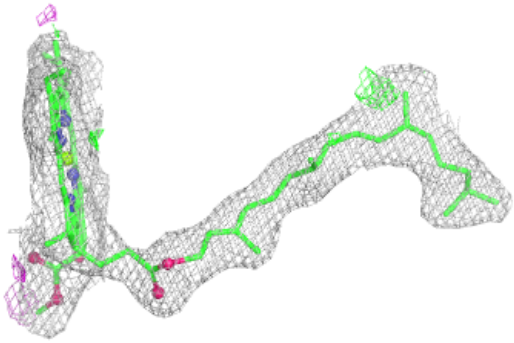


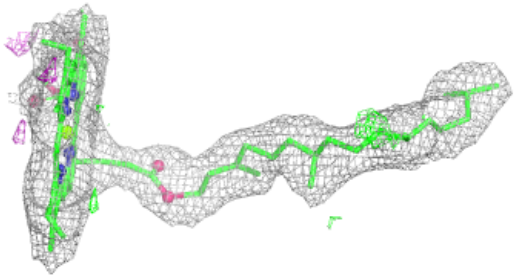


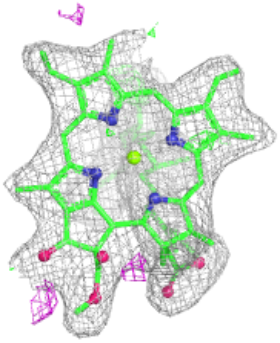


Electron density around CLA Z 841:

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

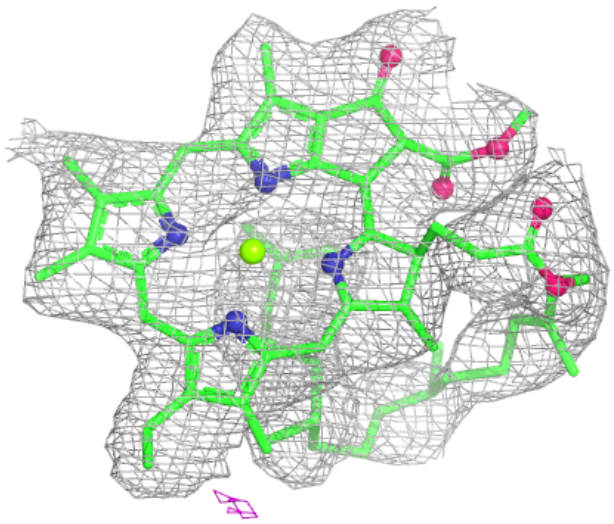


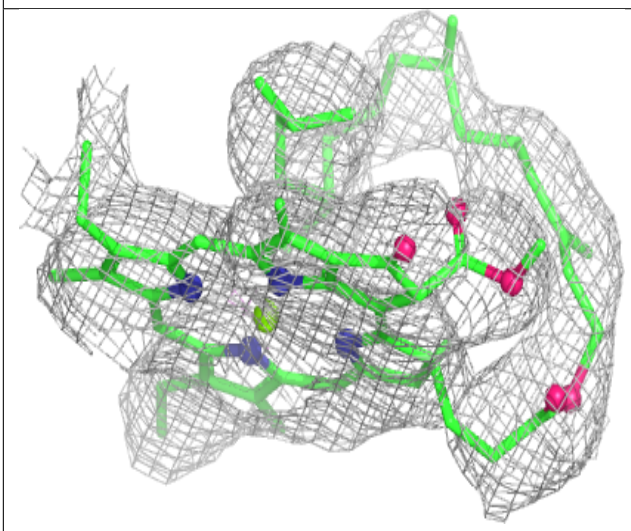


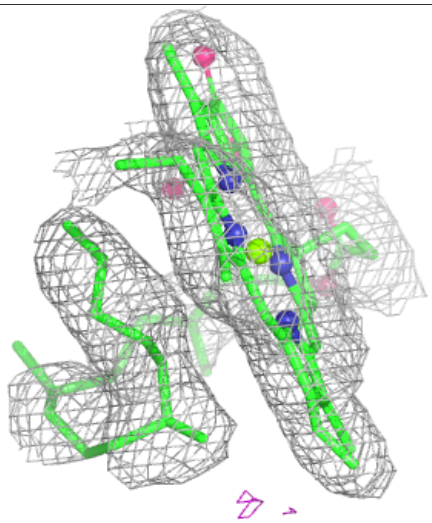


Electron density around CLA B 805:

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

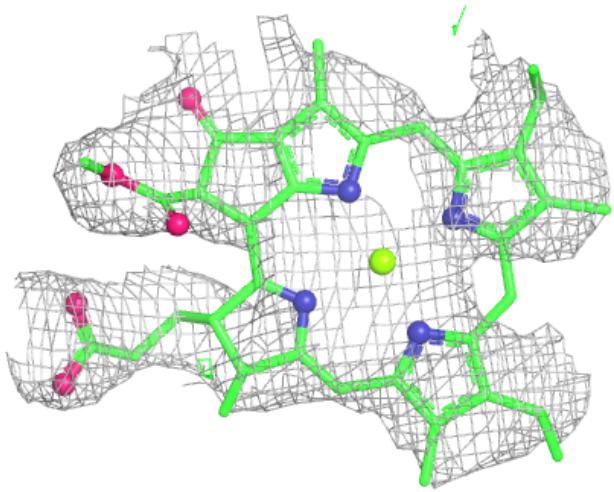


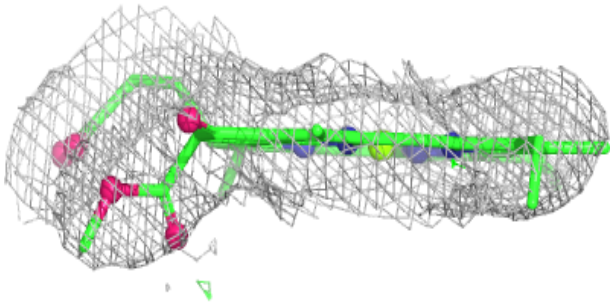


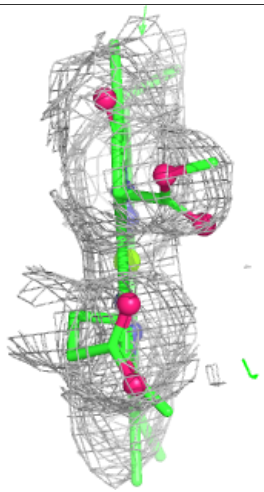


Electron density around CLA d 202:

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

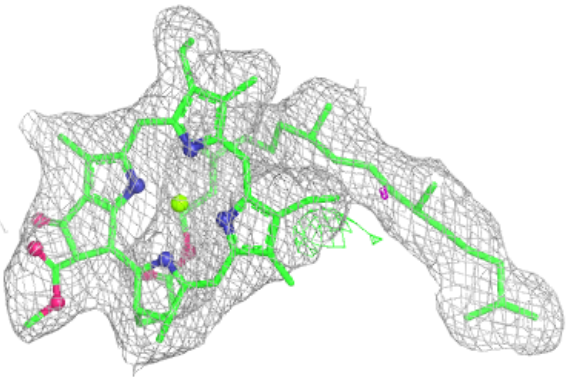


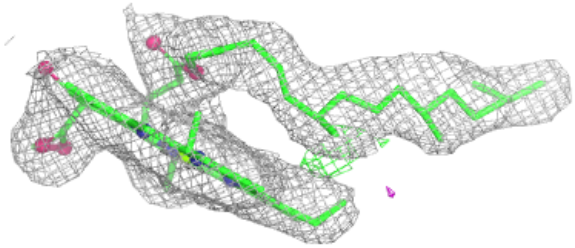


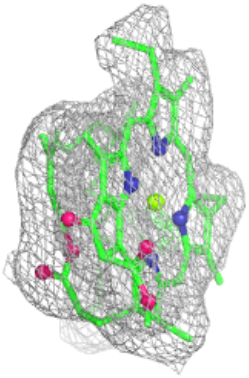


Electron density around CLA B 806:

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

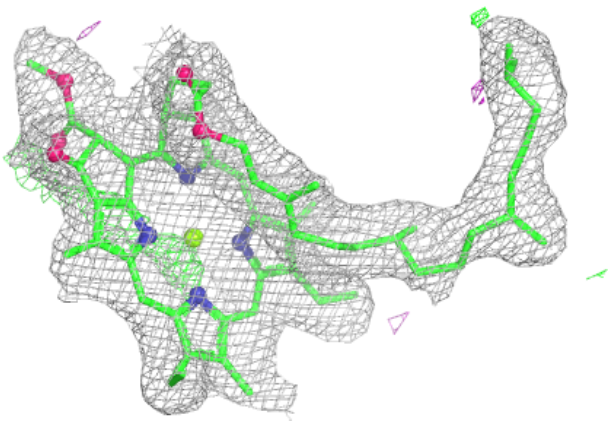


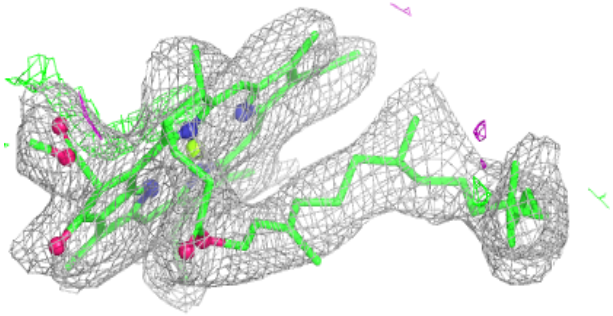


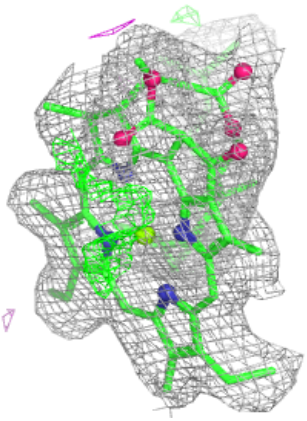


Electron density around CLA G 841:

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

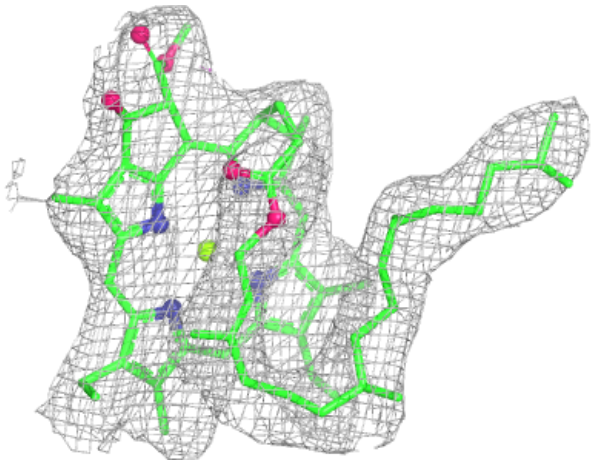


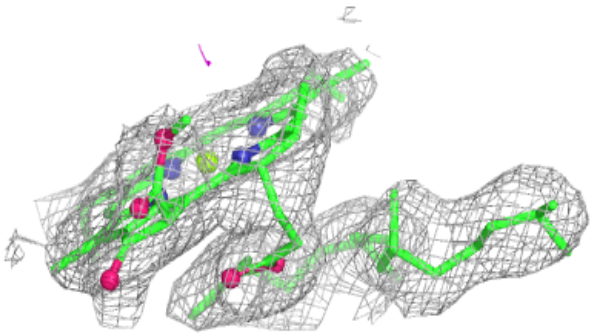


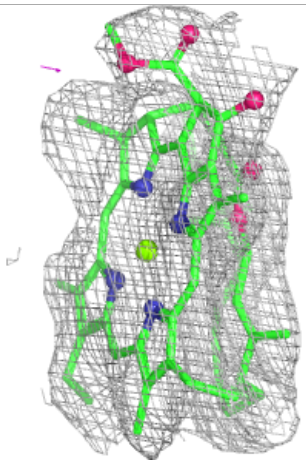


Electron density around CLA B 807:

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

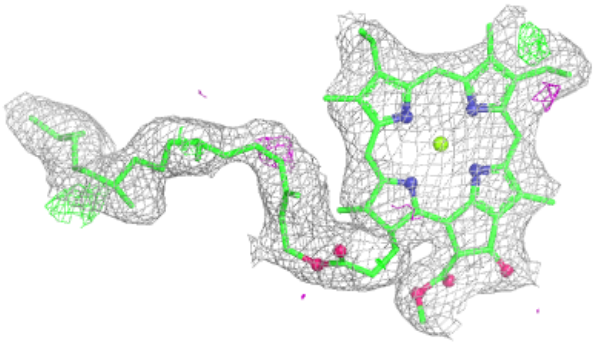


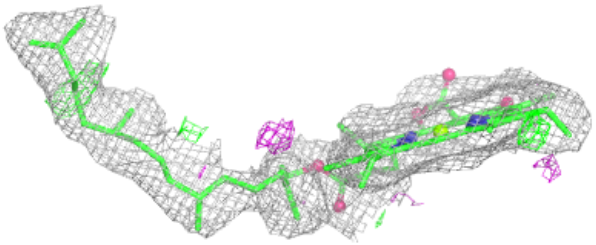




Electron density around CLA G 852:

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

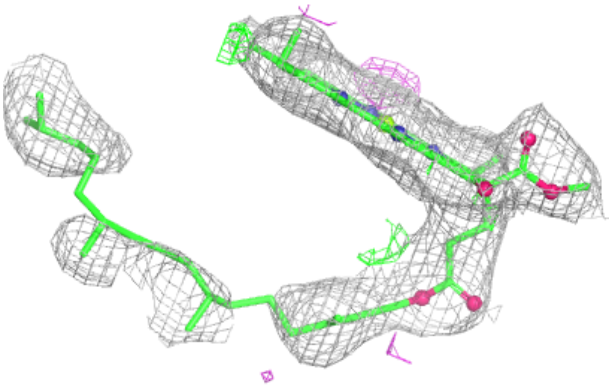


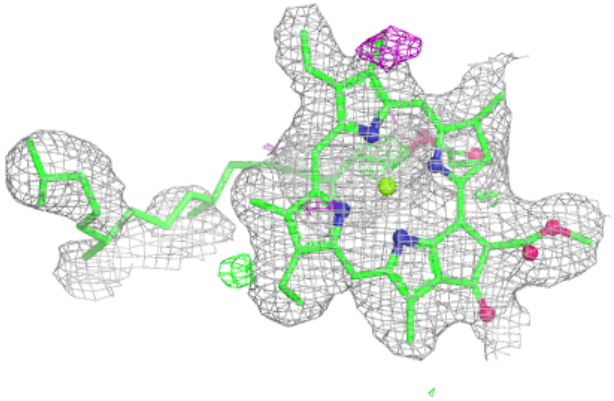


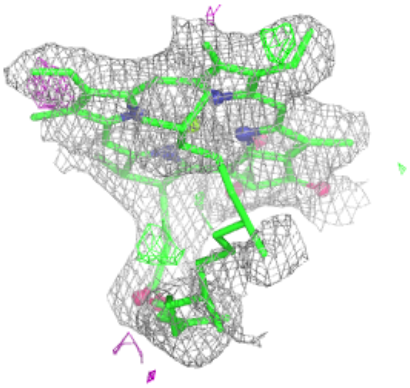


Electron density around CLA h 201:

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

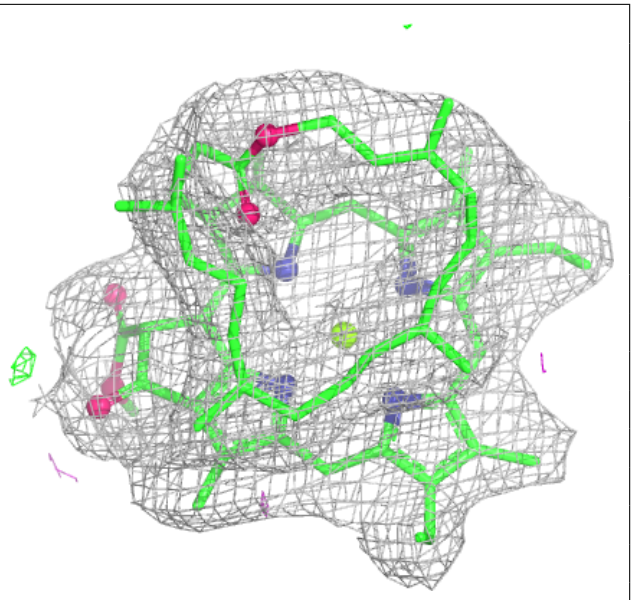


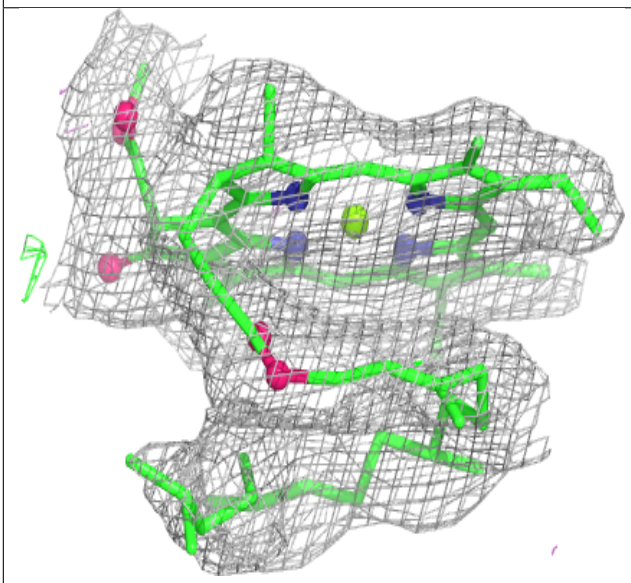


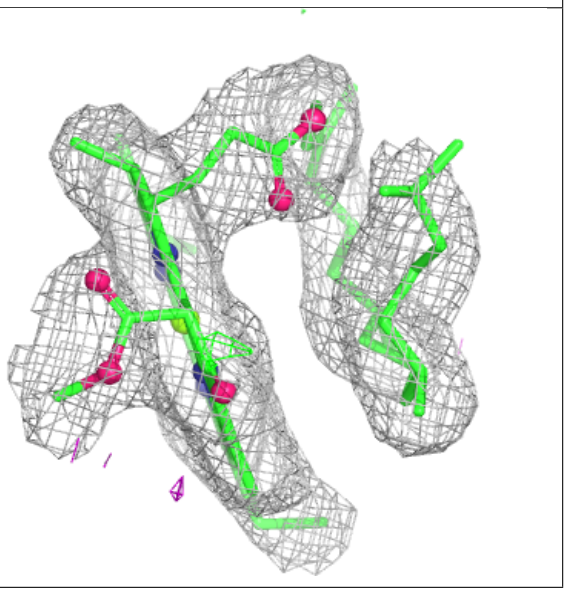


Electron density around CLA h 204:

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

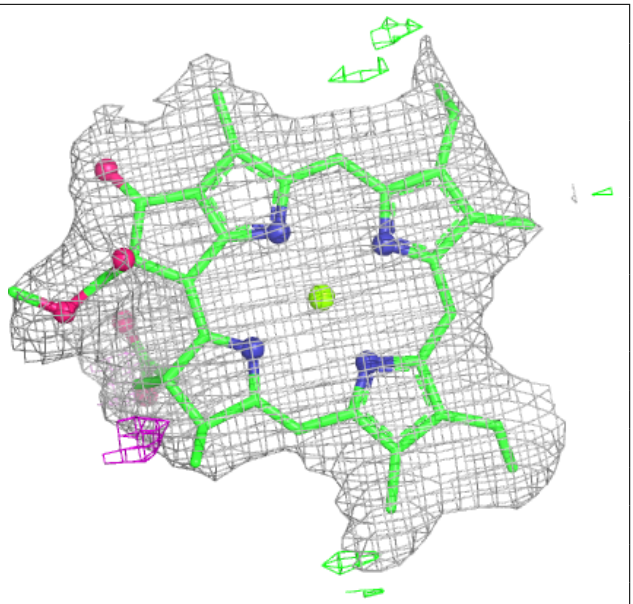


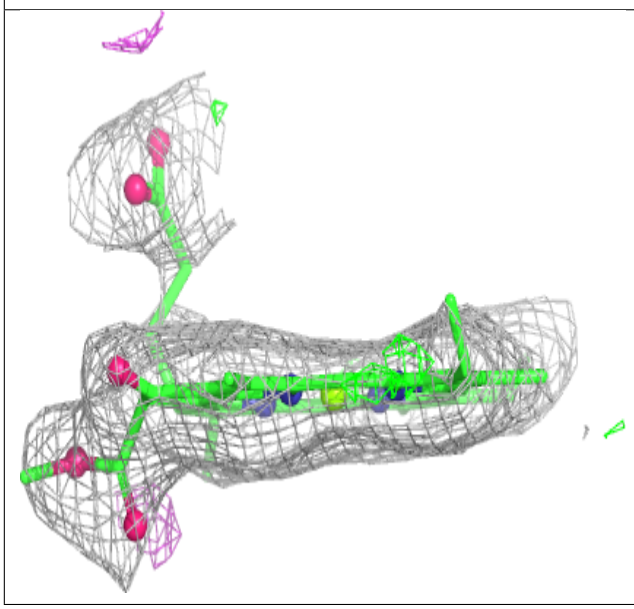


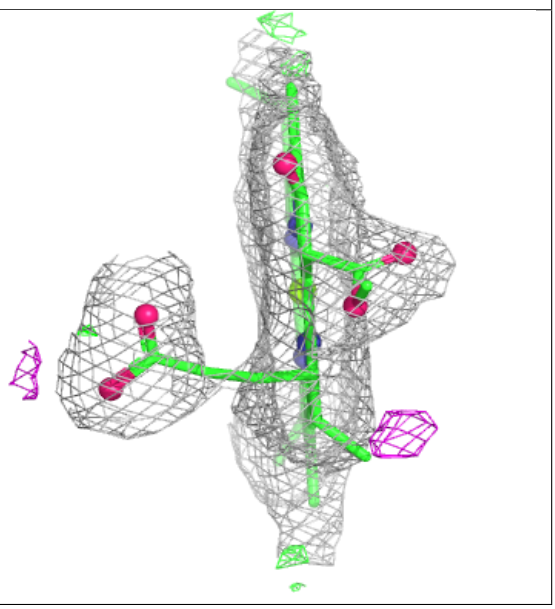


Electron density around CLA G 853:

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

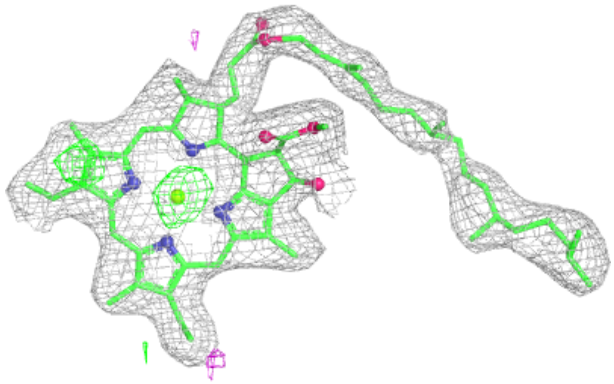


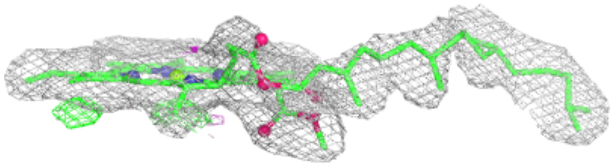




Electron density around CLA h 206:

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

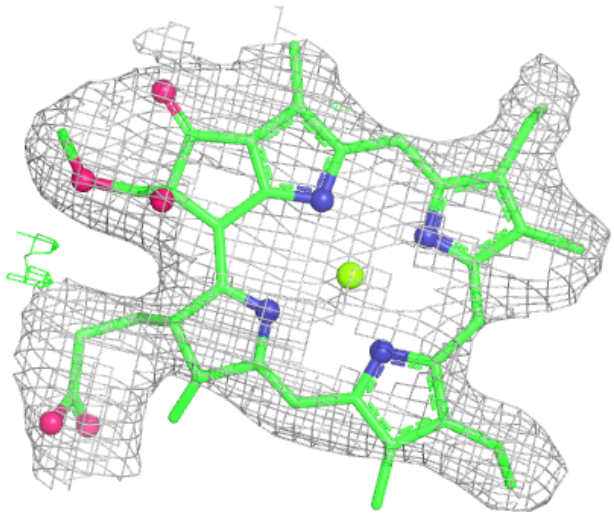


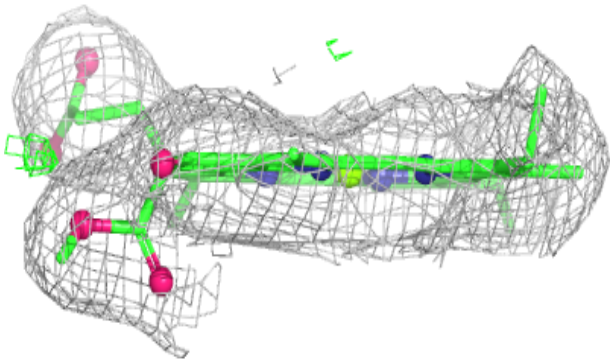




Electron density around CLA j 102:

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

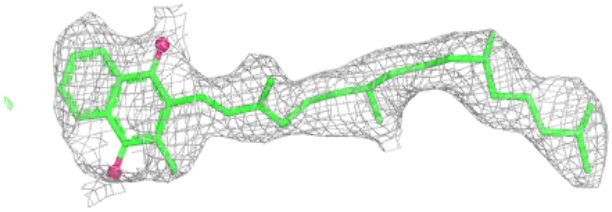


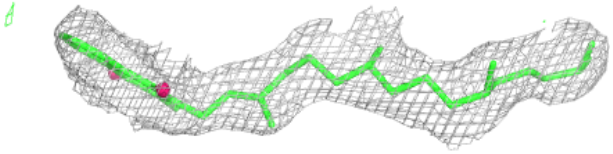


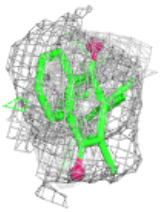


Electron density around PQN A 844:

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

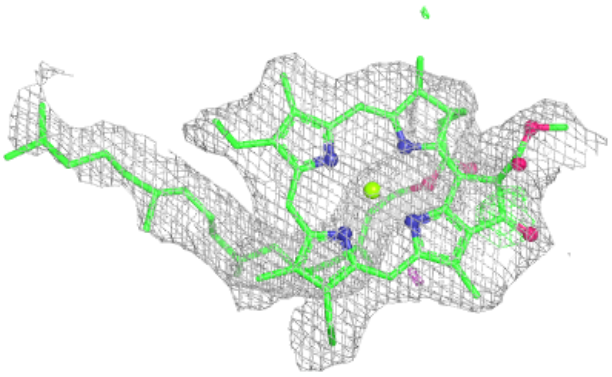


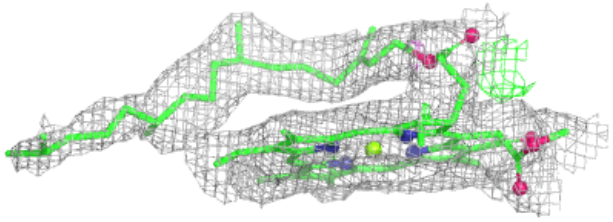


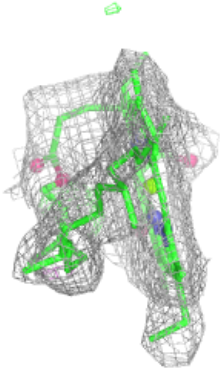


Electron density around CLA H 801:

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

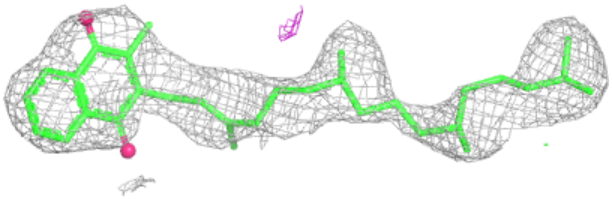


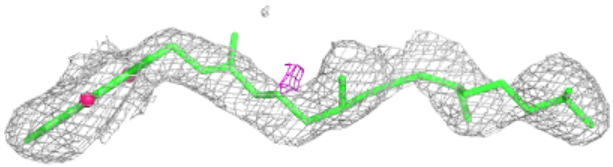


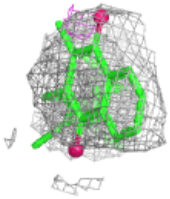


Electron density around PQN G 843:

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

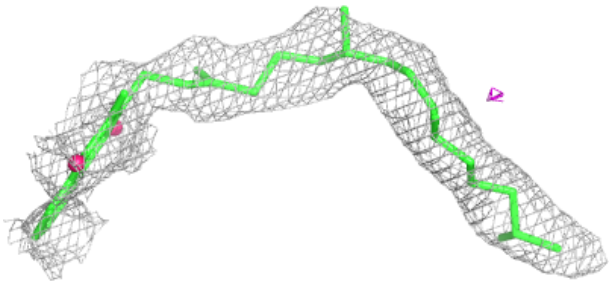


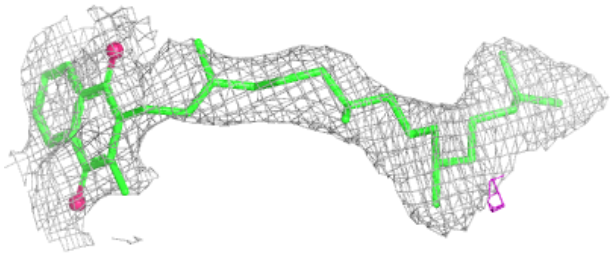


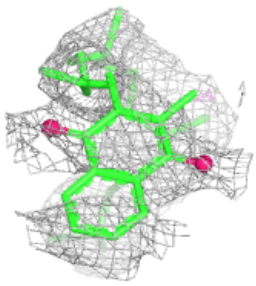


Electron density around PQN H 841:

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

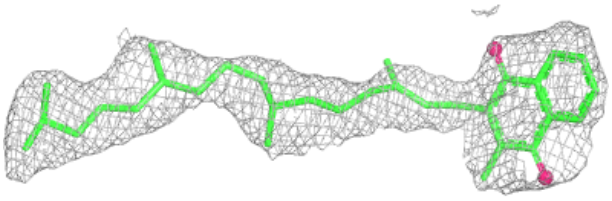


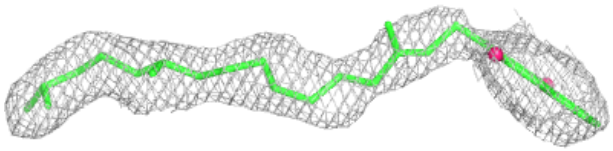


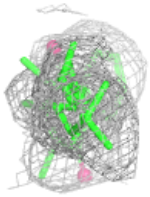


Electron density around PQN Y 842:

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

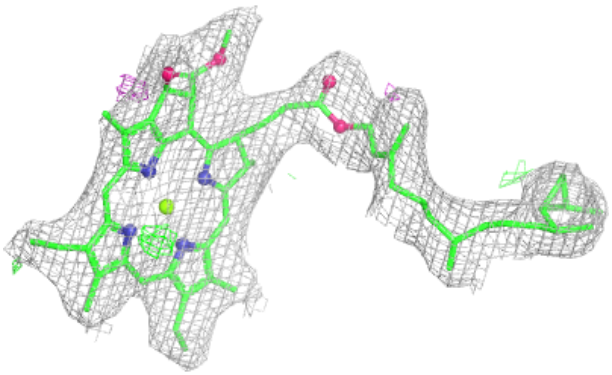


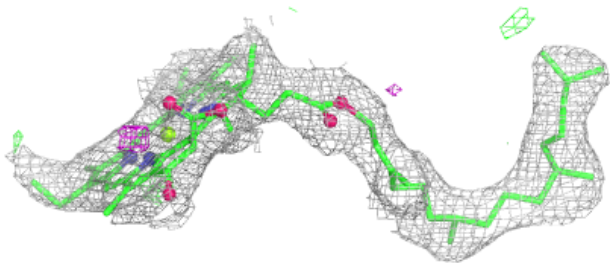


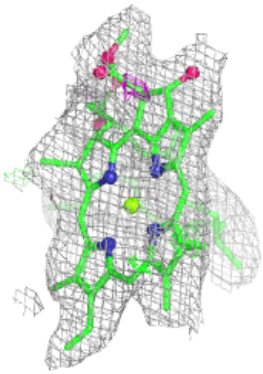


Electron density around CLA B 808:

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

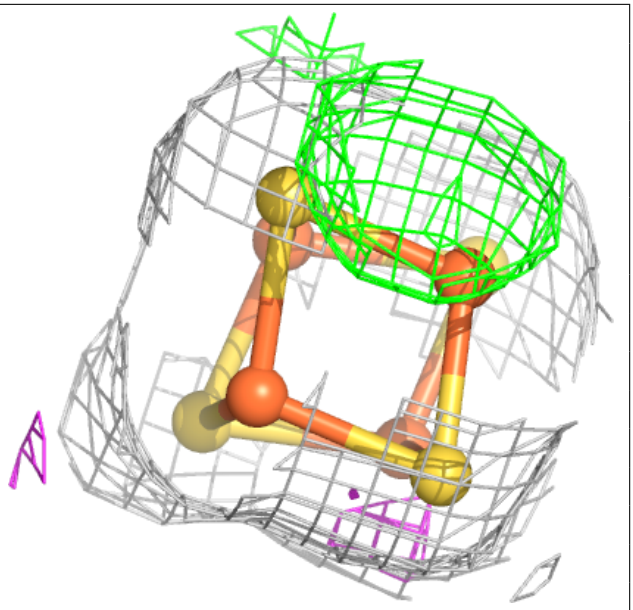


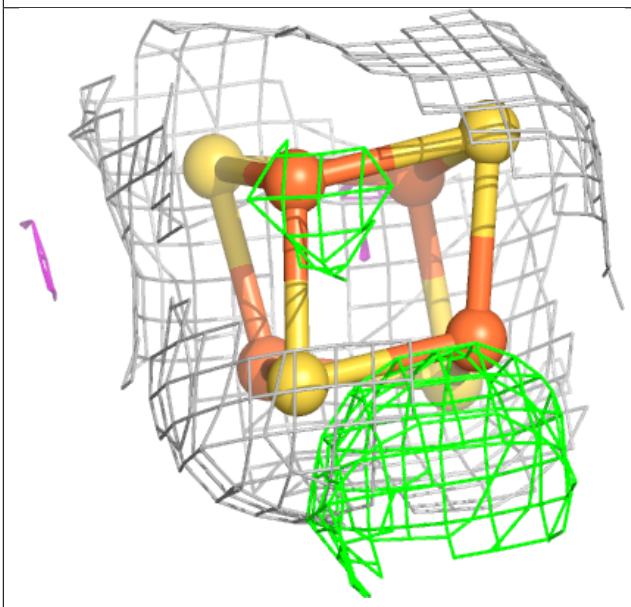


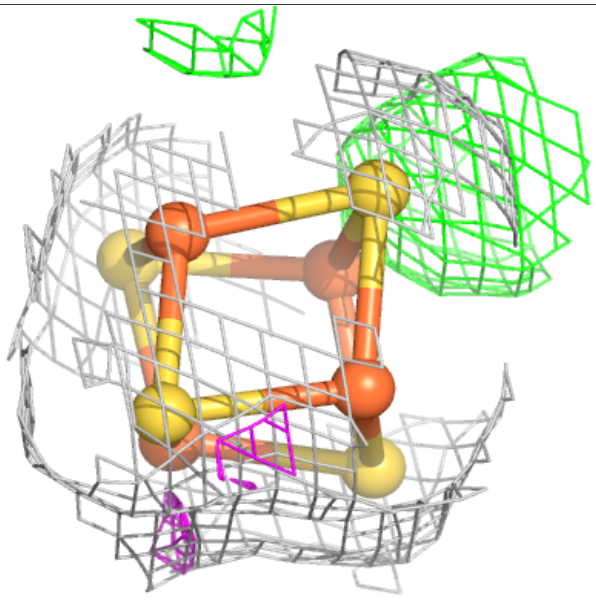


Electron density around SF4 G 844:

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

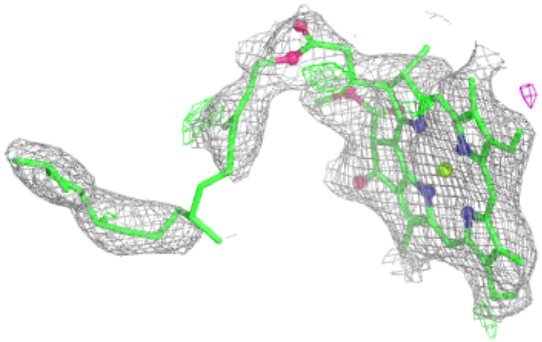


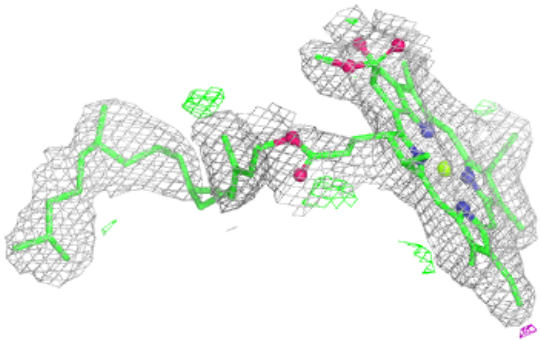


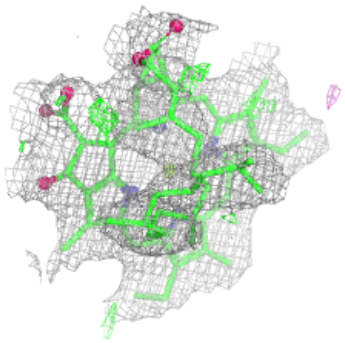


Electron density around CLA H 803:

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

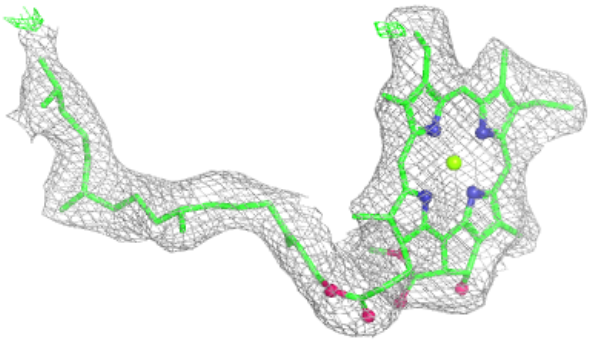


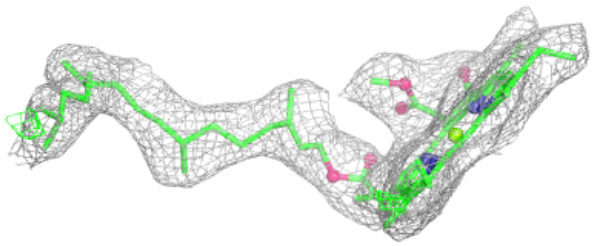




Electron density around CLA B 809:

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

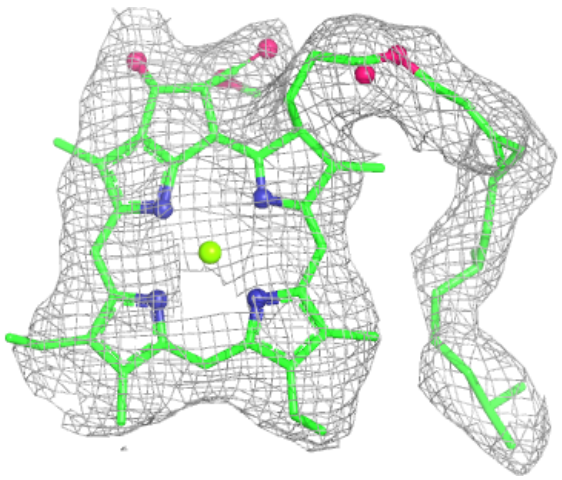


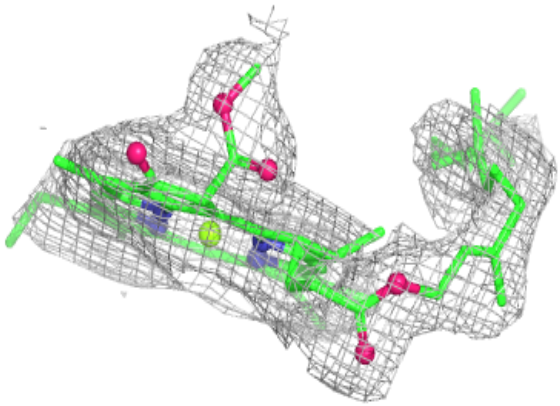


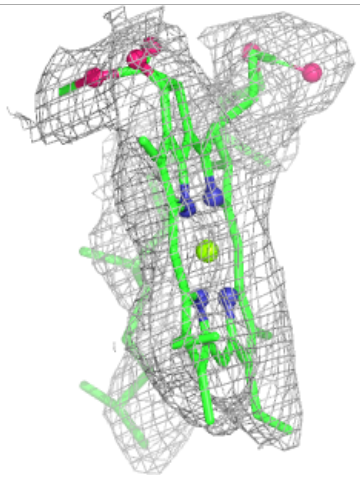


Electron density around CLA A 814:

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

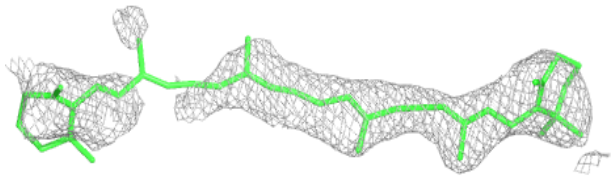


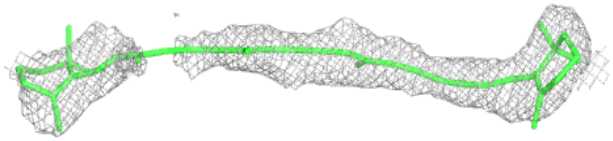


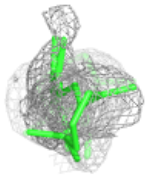


Electron density around BCR A 849:

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

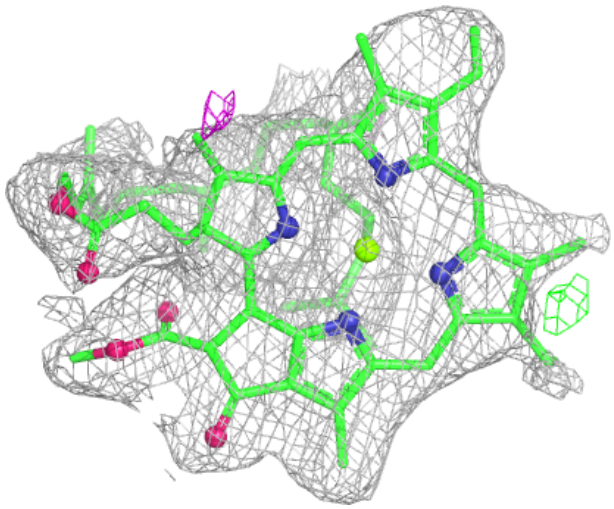


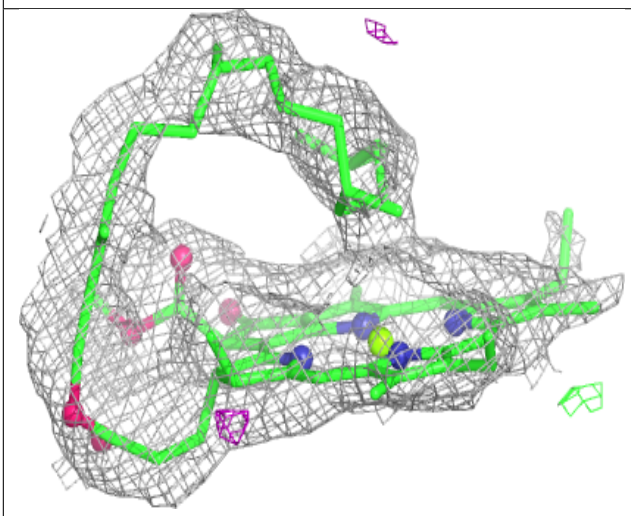


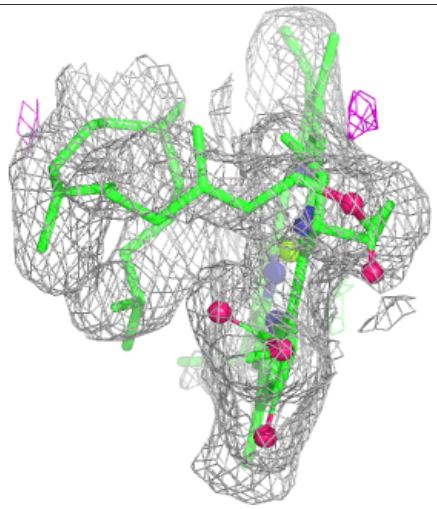


Electron density around CLA H 806:

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

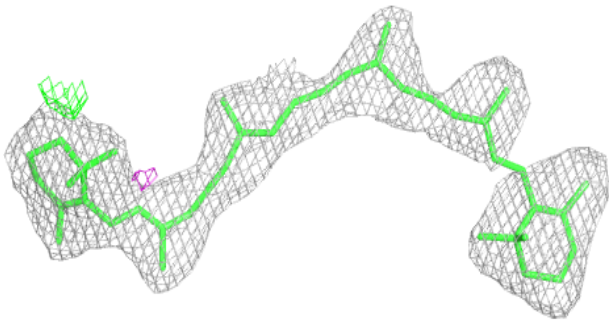


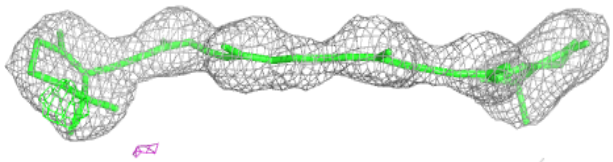


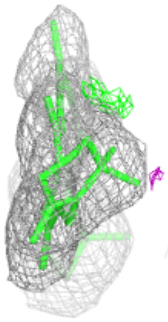


Electron density around BCR A 851:

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

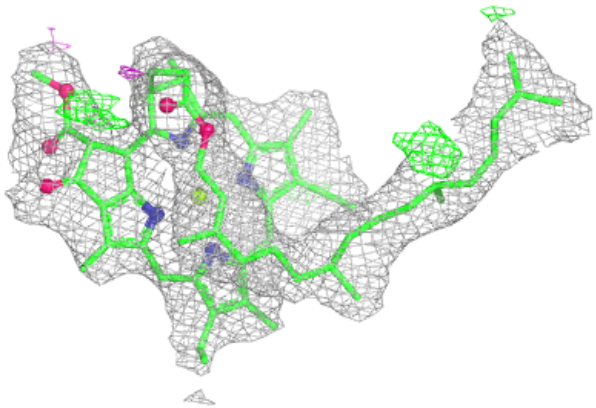


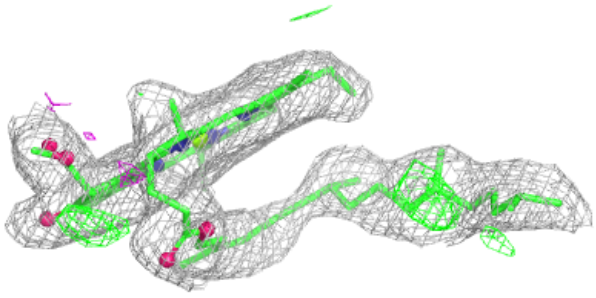


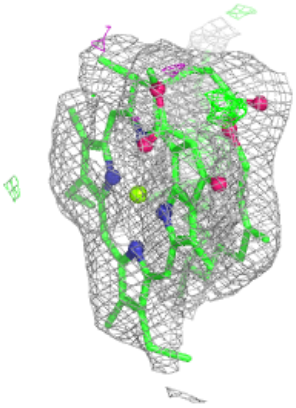


Electron density around CLA H 807:

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

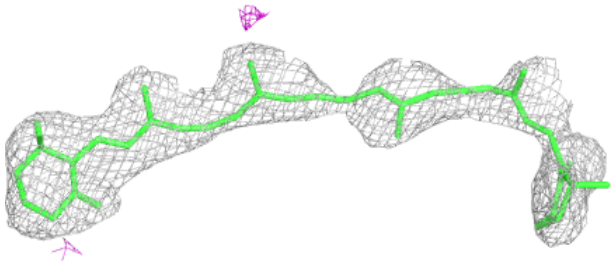


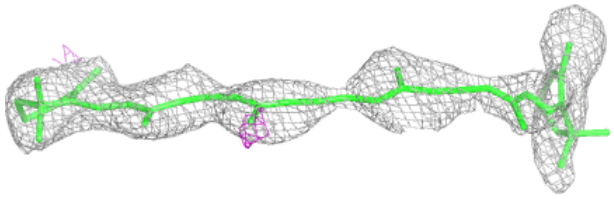


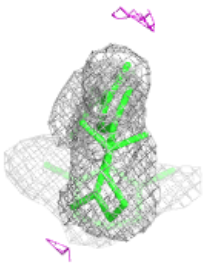


Electron density around BCR B 843:

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

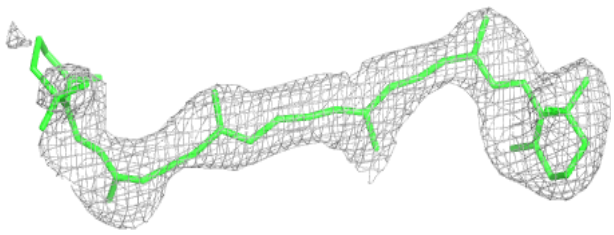


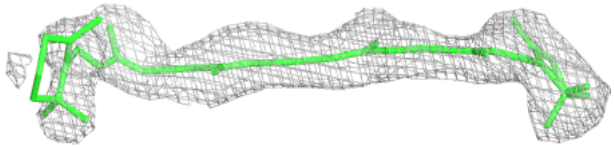


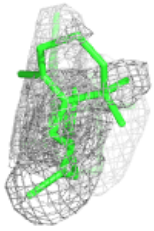


Electron density around BCR B 844:

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

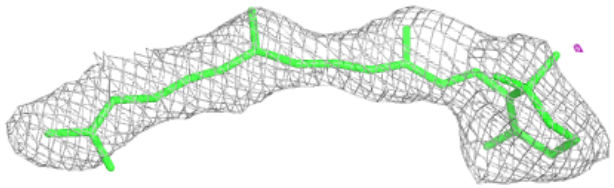


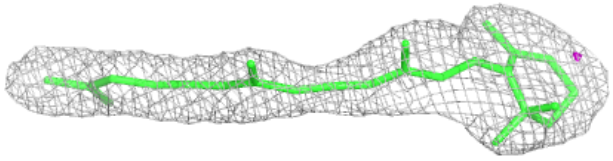


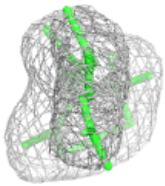


Electron density around BCR B 845:

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

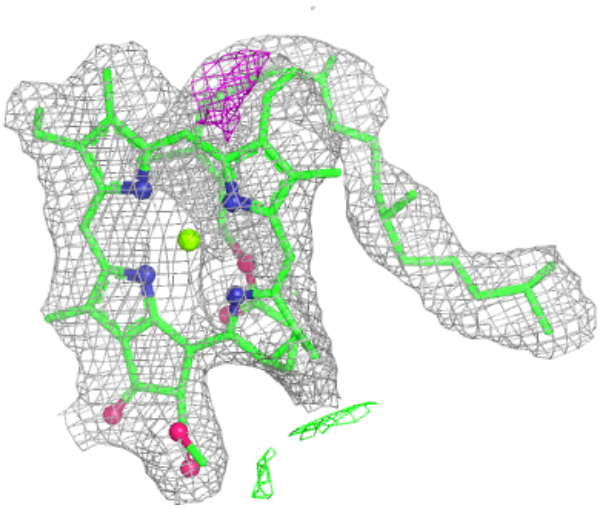


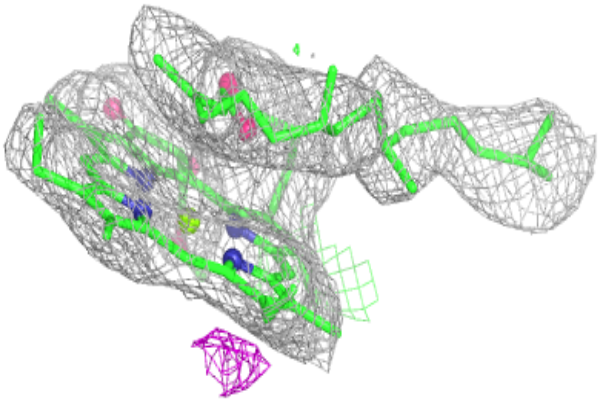


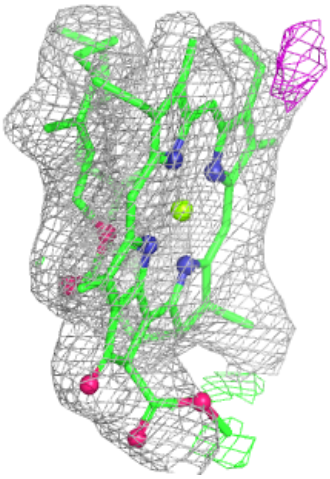


Electron density around CLA H 808:

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

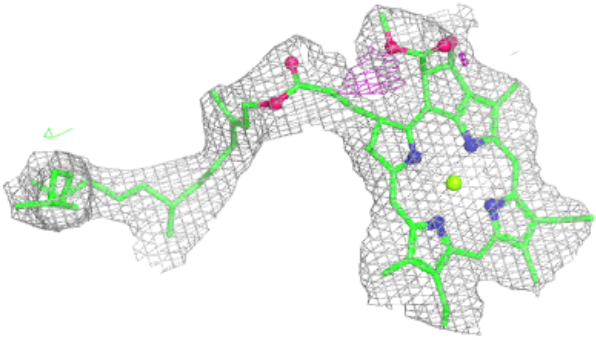


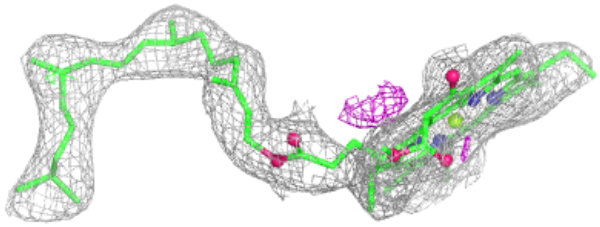




Electron density around CLA H 809:

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

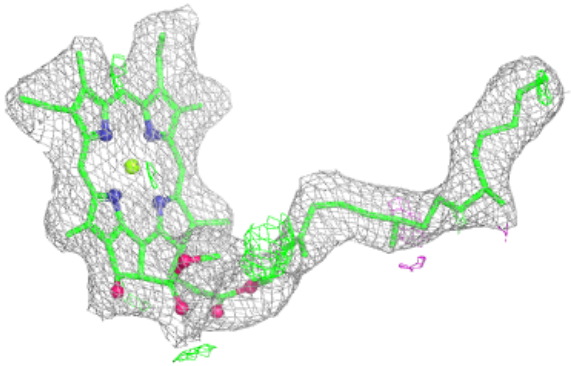


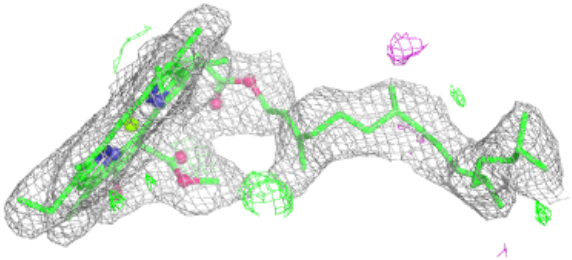


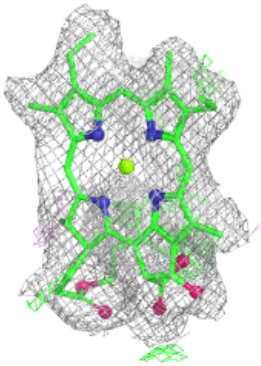


Electron density around CLA H 810:

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

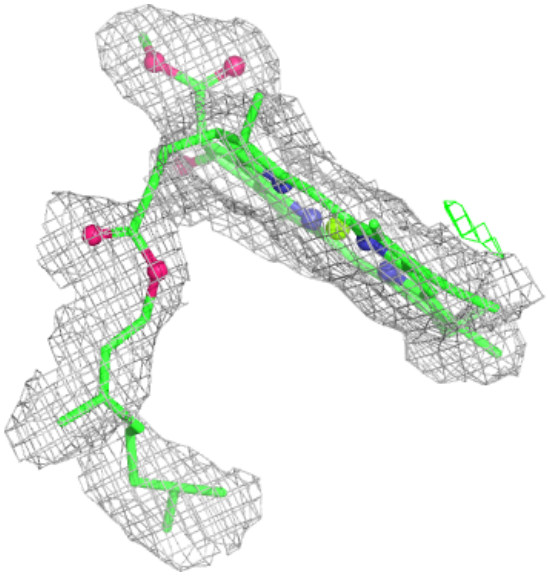


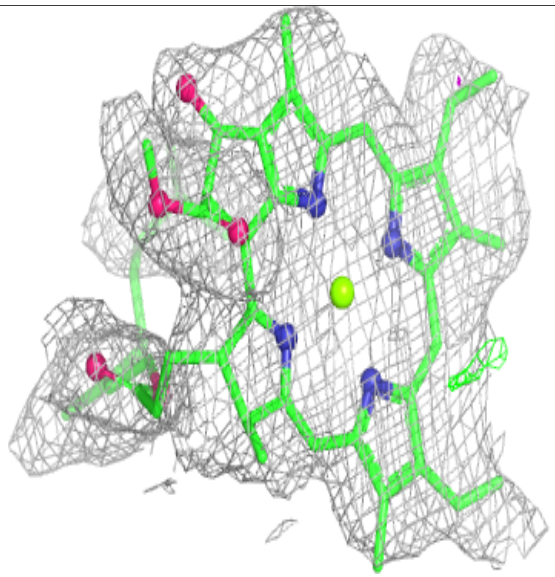


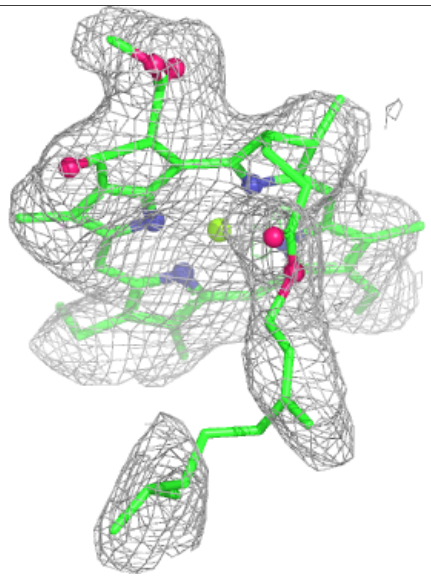


Electron density around CLA H 811:

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

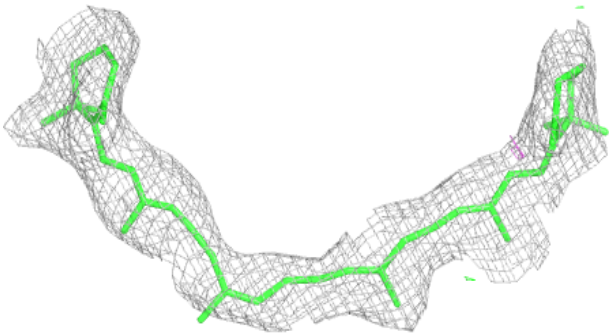


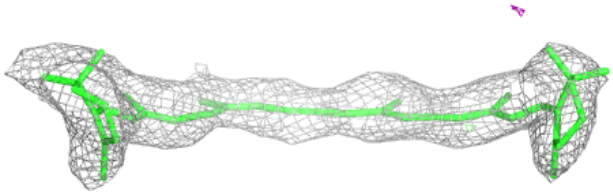


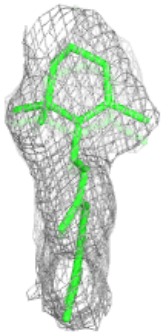


Electron density around BCR F 203:

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

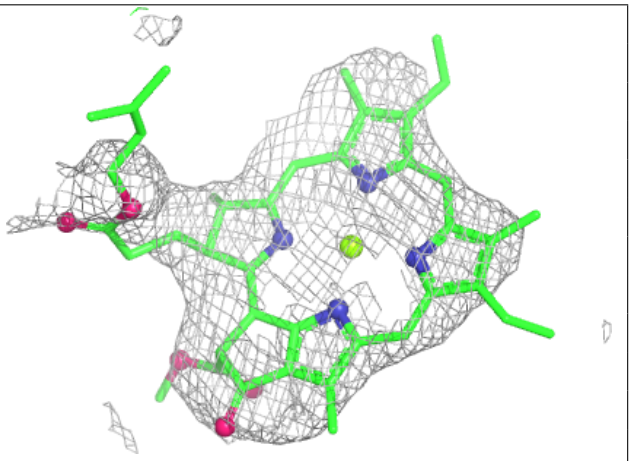


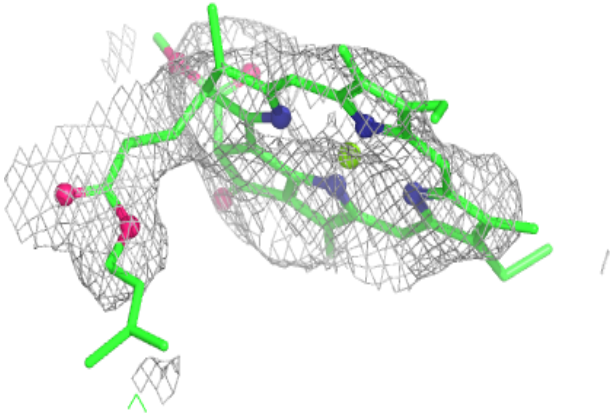


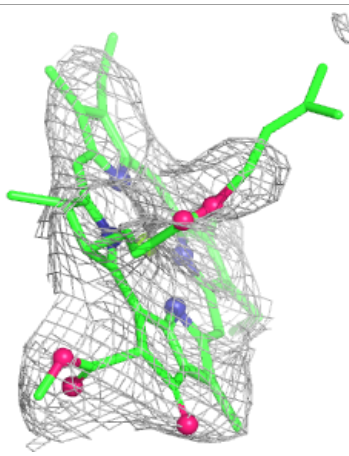


Electron density around CLA A 815:

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

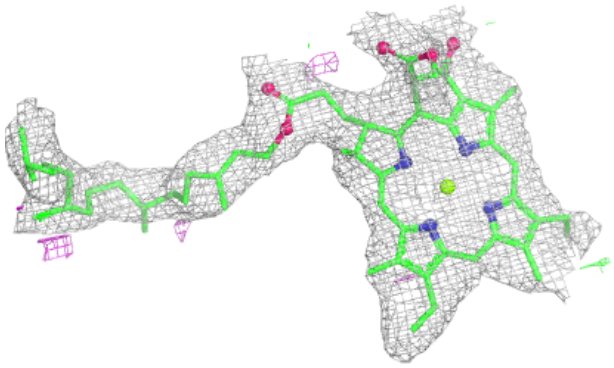


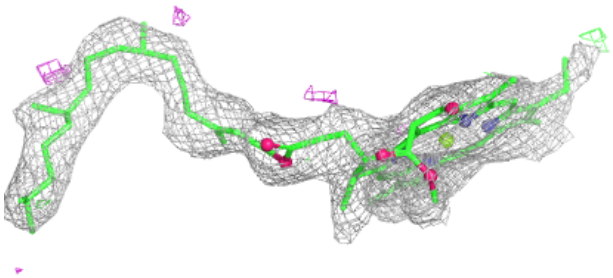


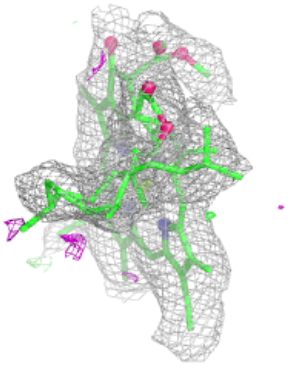


Electron density around CLA H 813:

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

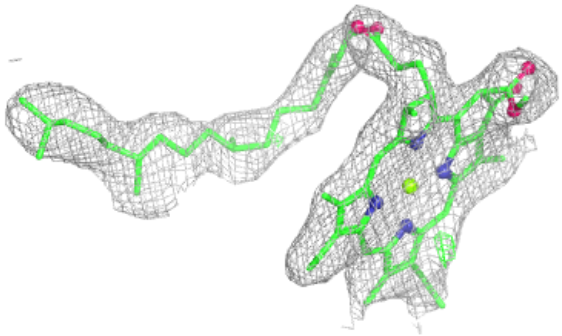


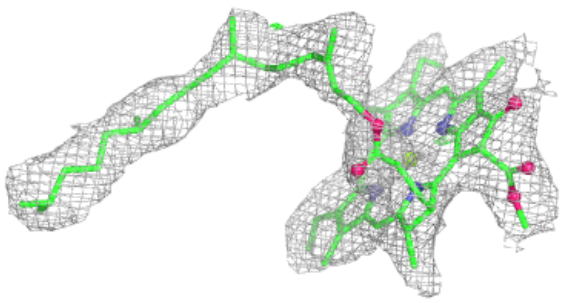


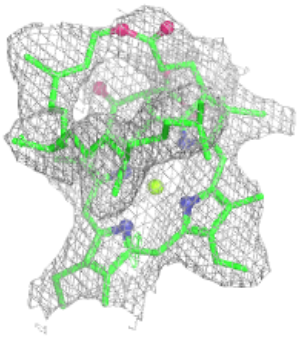


Electron density around CLA H 814:

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

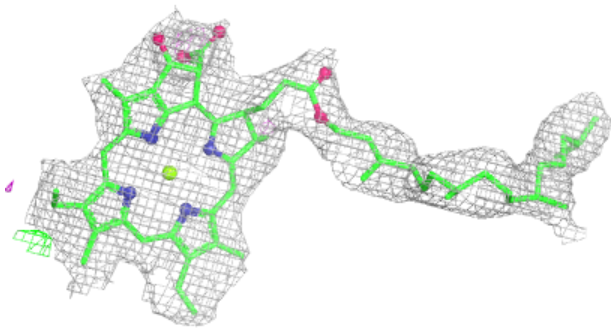


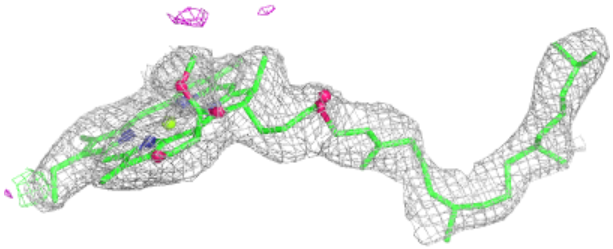


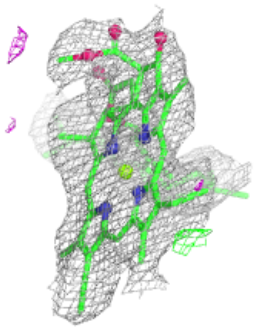


Electron density around CLA B 812:

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

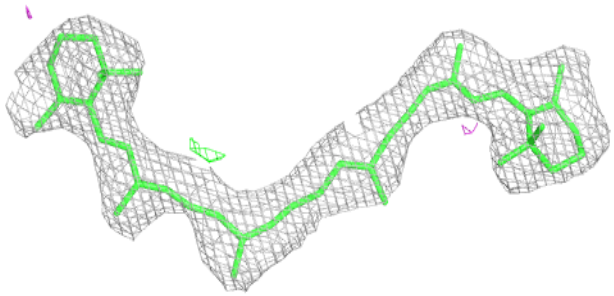


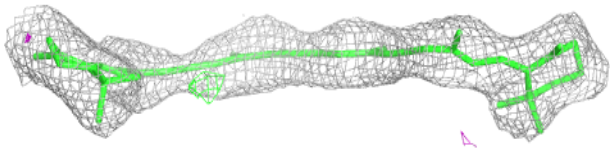


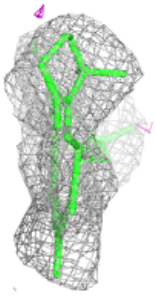


Electron density around BCR G 849:

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

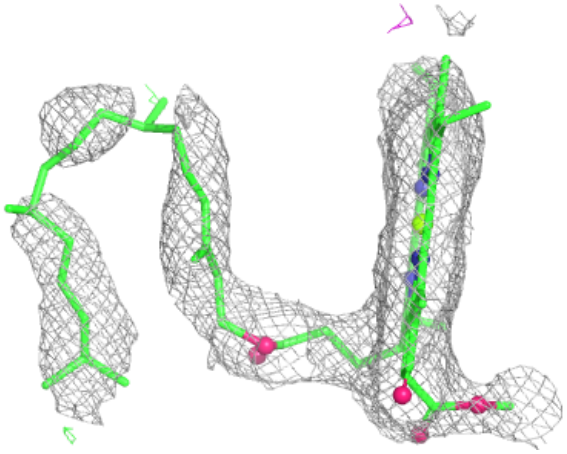


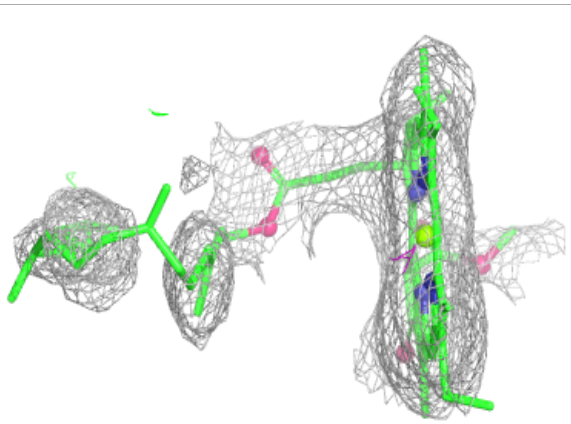


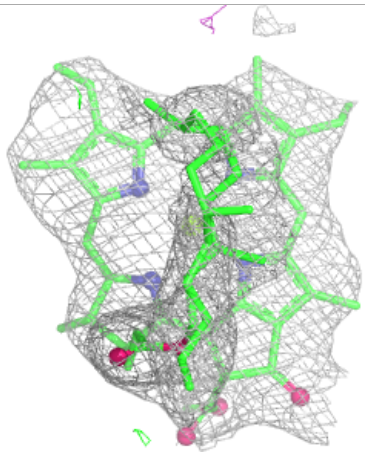


Electron density around CLA B 813:

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

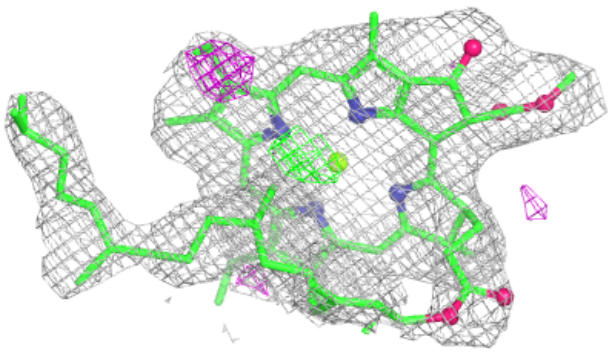


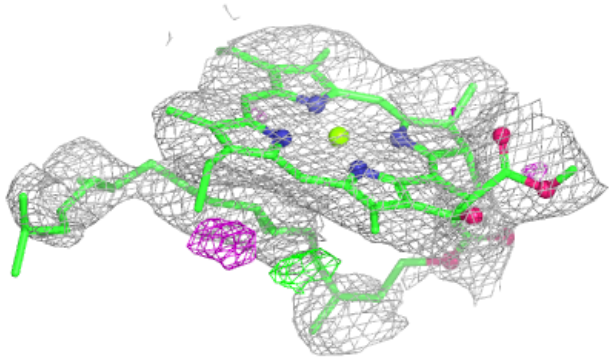


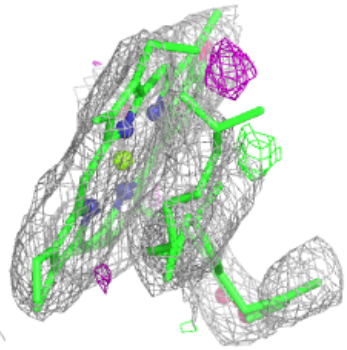


Electron density around CLA H 817:

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

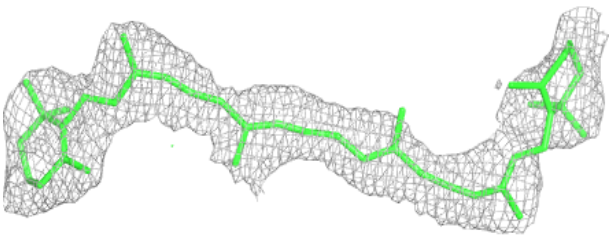


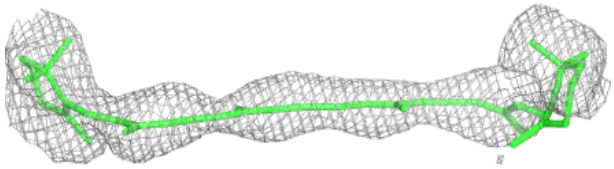


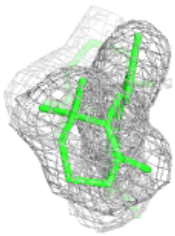


Electron density around BCR H 844:

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

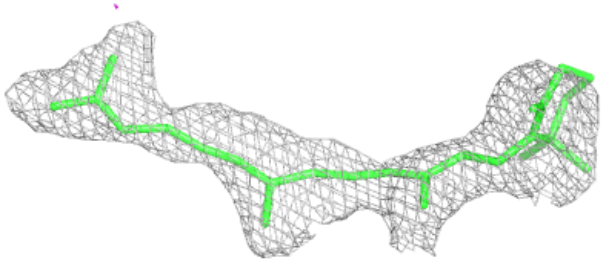


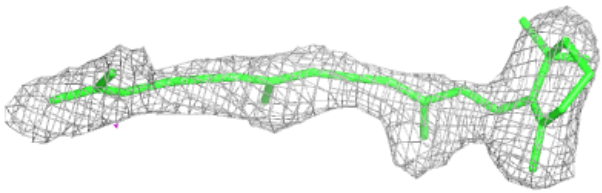


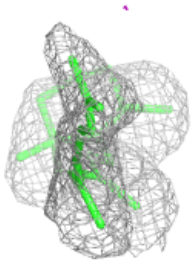


Electron density around BCR H 845:

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

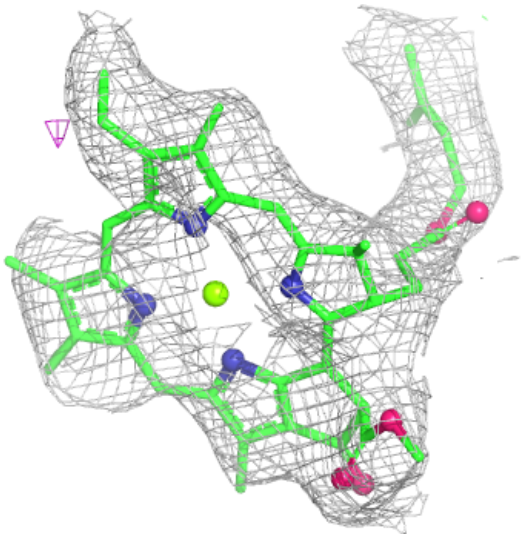


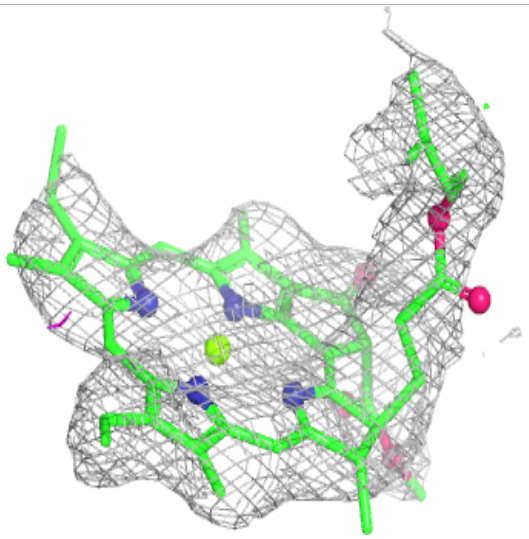


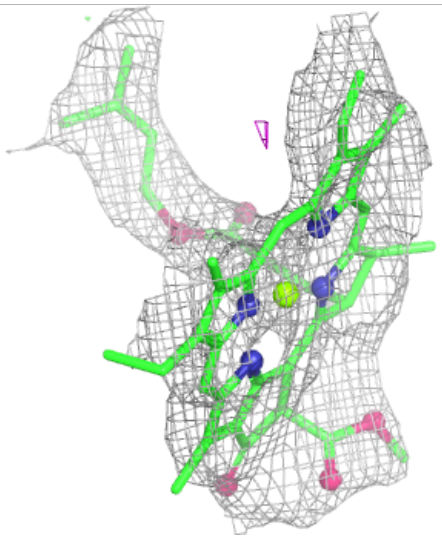


Electron density around CLA A 816:

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

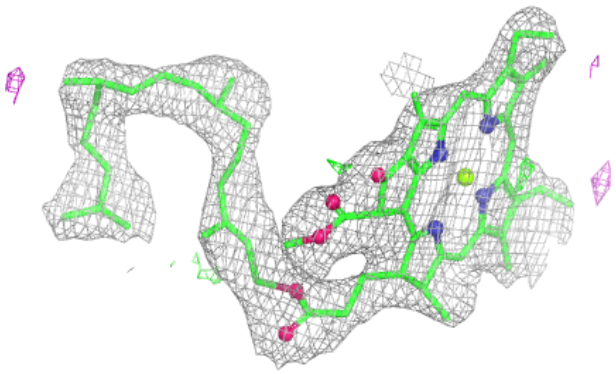


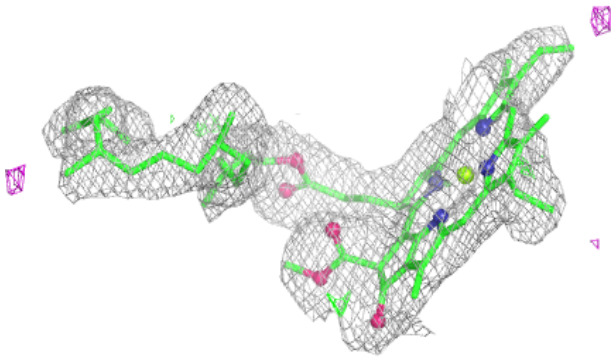


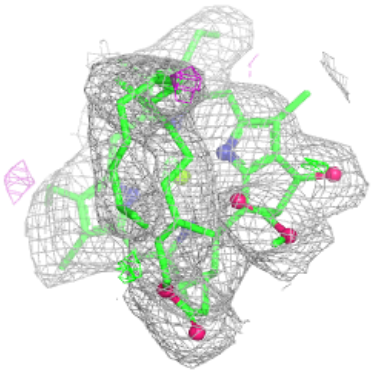


Electron density around CL0 A 801:

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

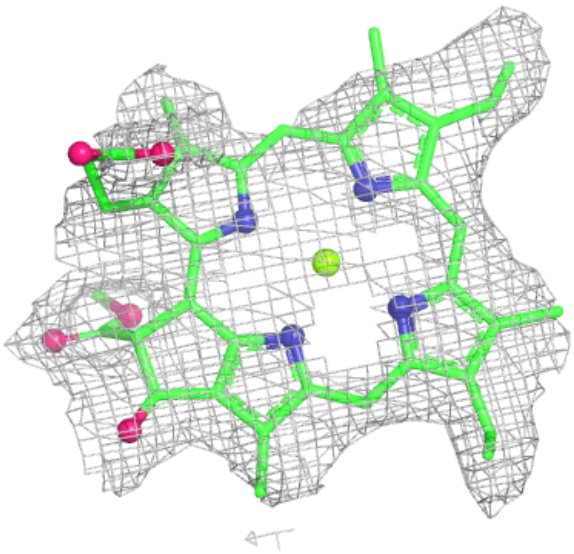


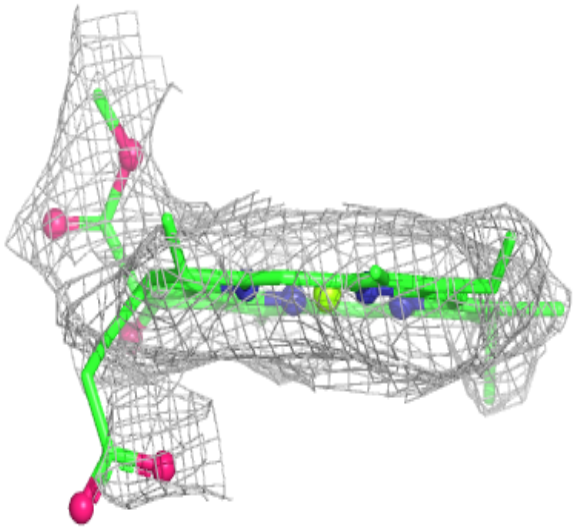


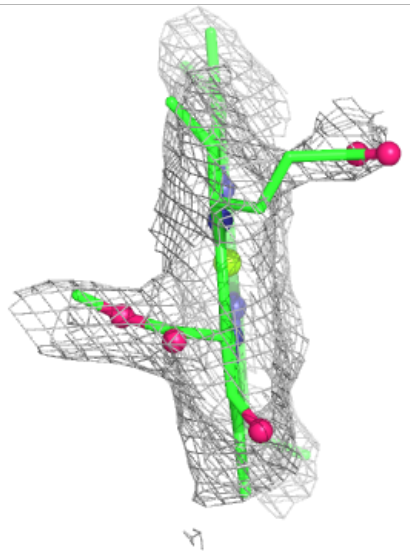


Electron density around CLA H 820:

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

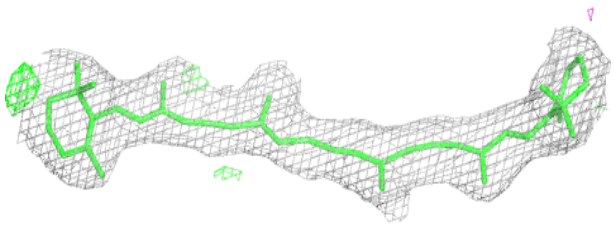


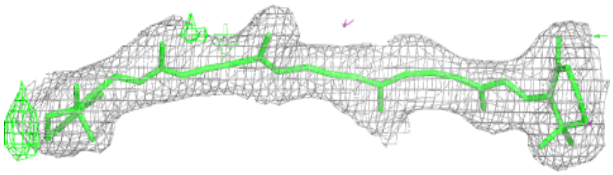


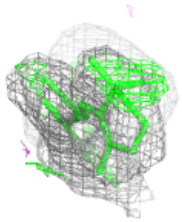


Electron density around BCR I 101:

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

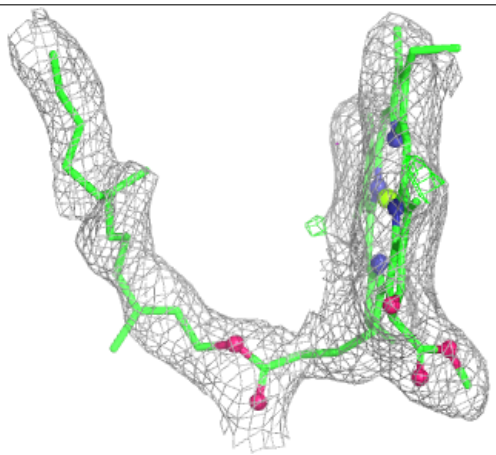


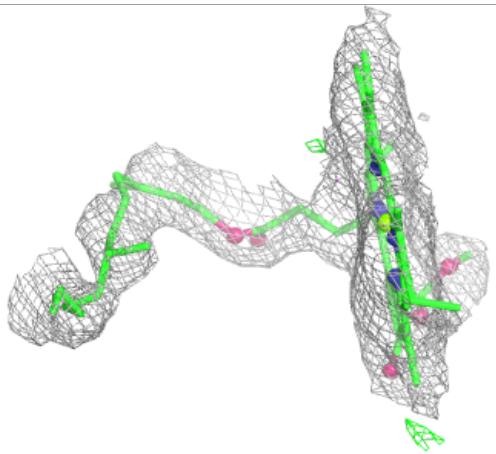


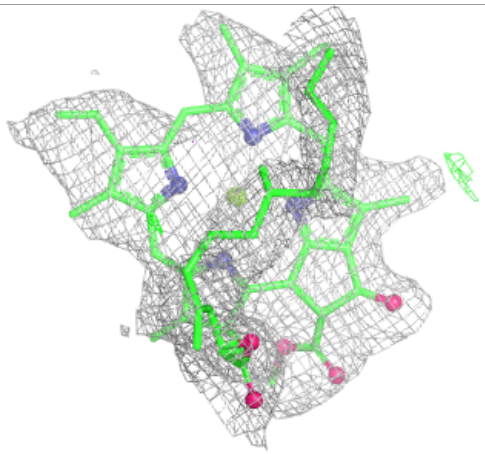


Electron density around CLA A 805:

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

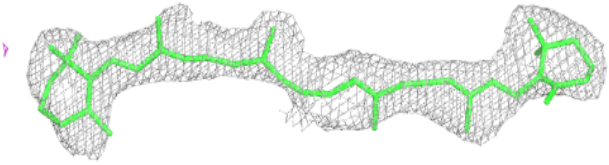


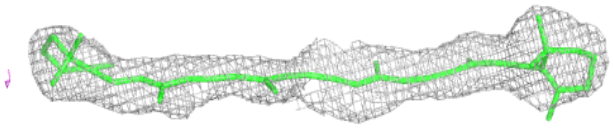


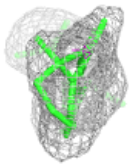


Electron density around BCR J 103:

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

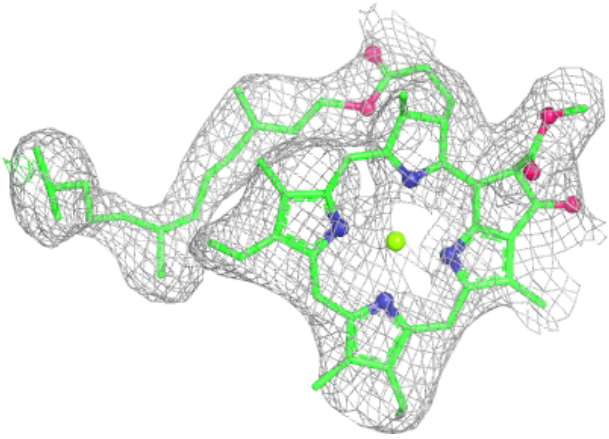


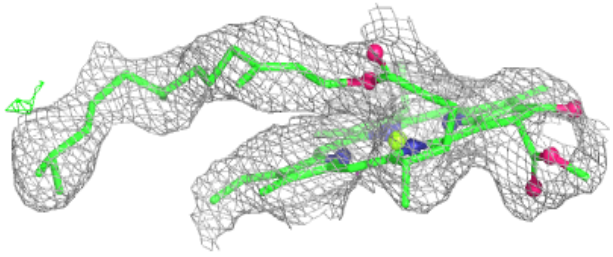


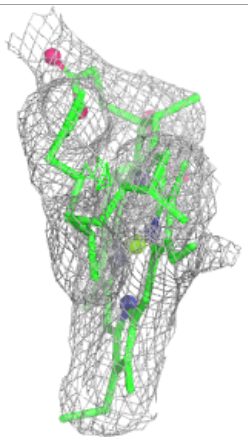


Electron density around CLA B 817:

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

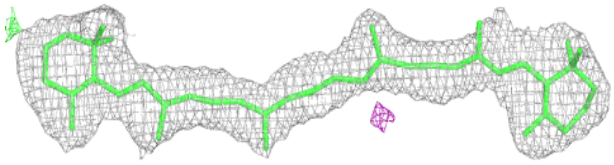


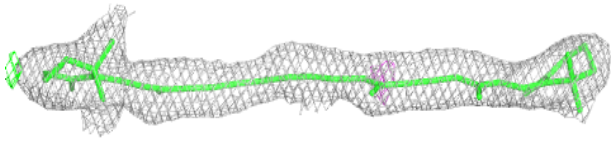


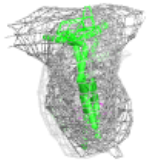


Electron density around BCR L 207:

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

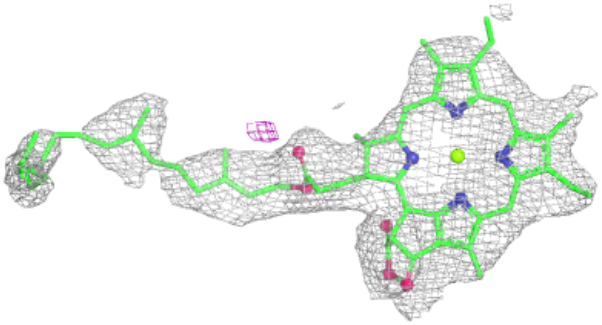


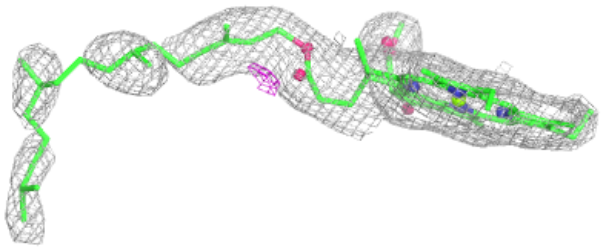


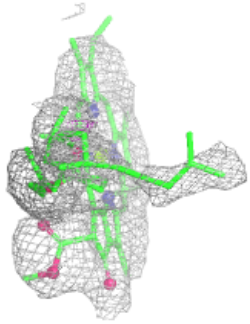


Electron density around CLA A 806:

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

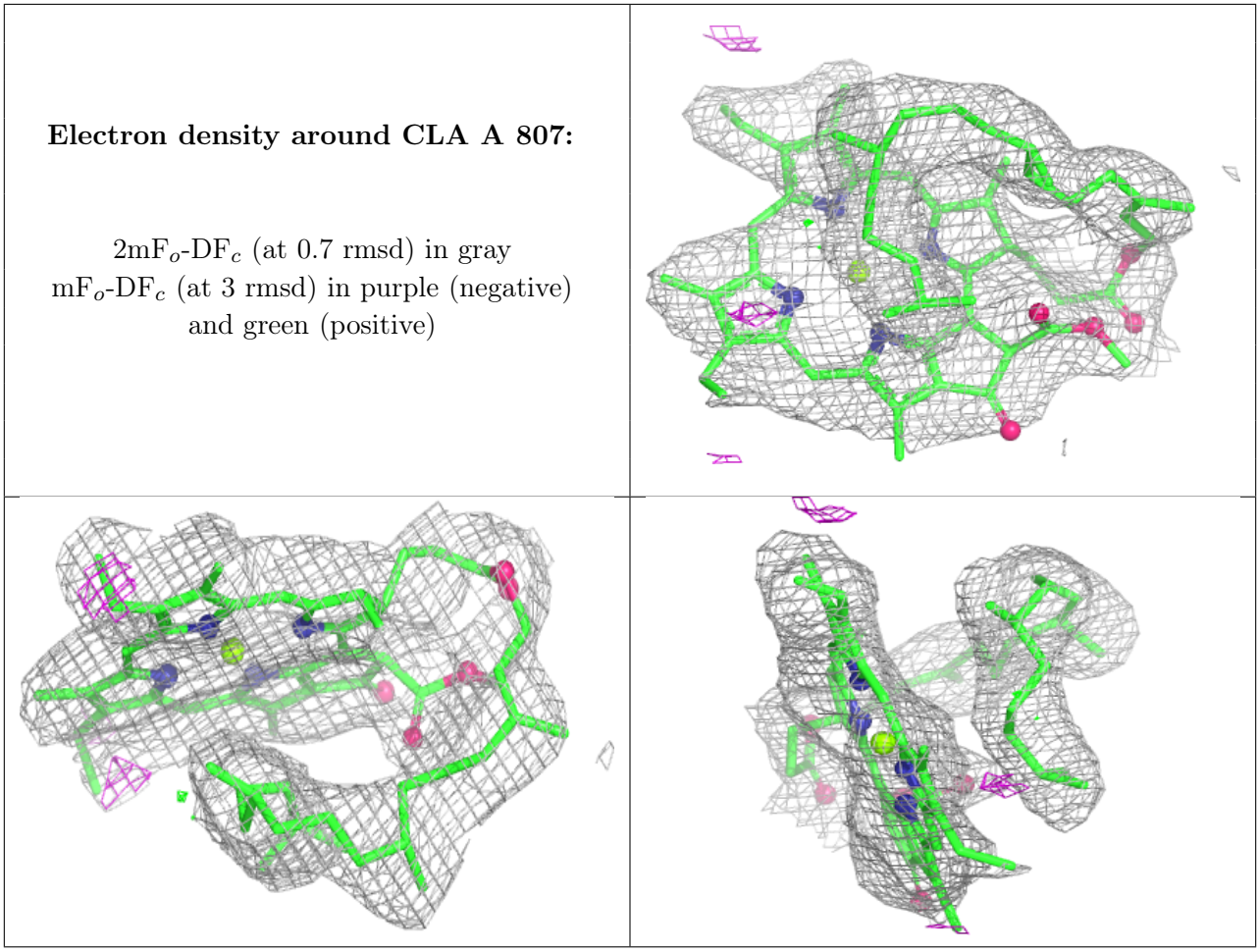






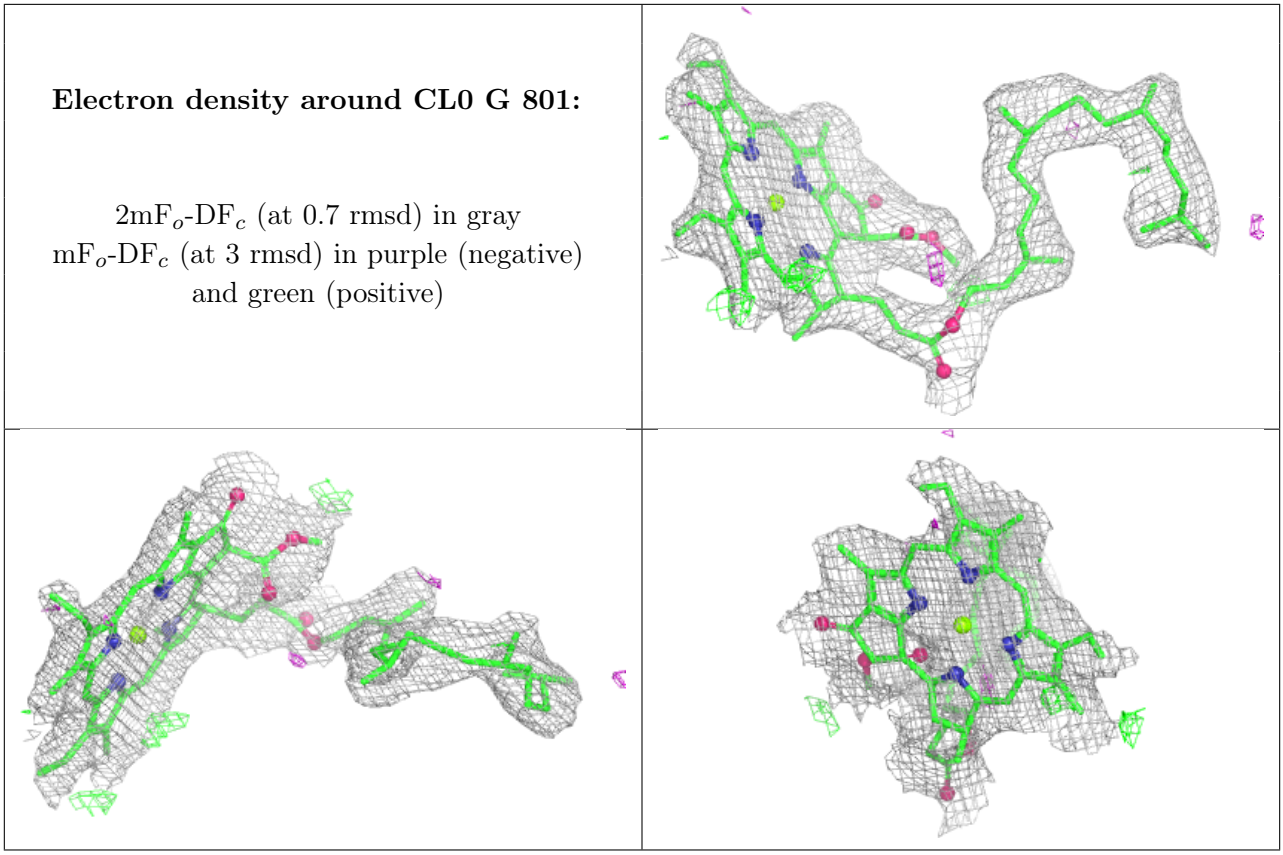
Electron density around CLA A 807:

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



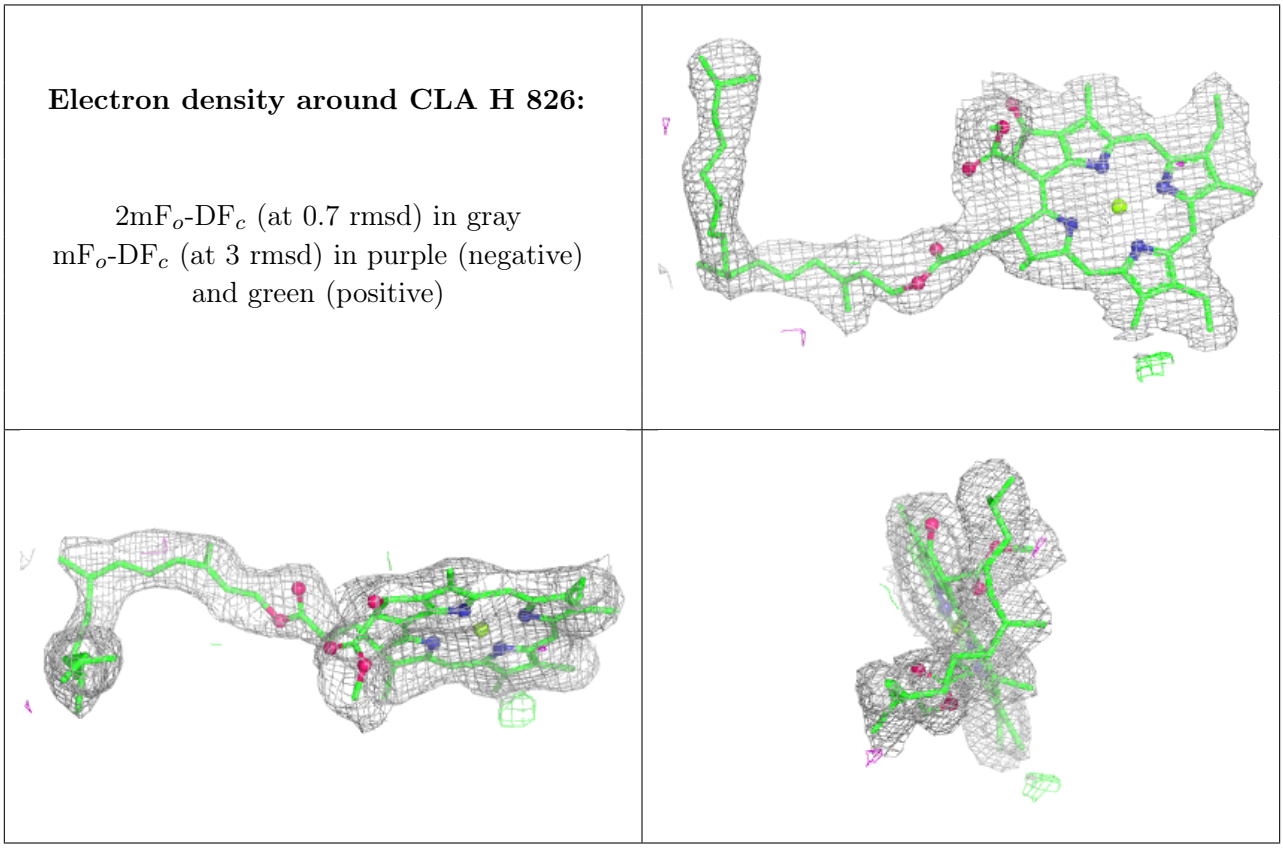
Electron density around CL0 G 801:

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



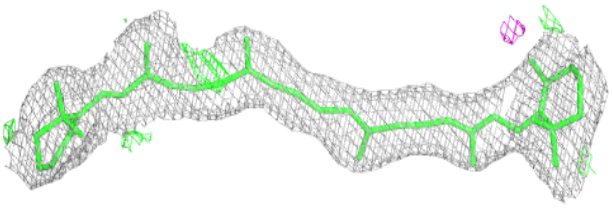
Electron density around CLA H 826:

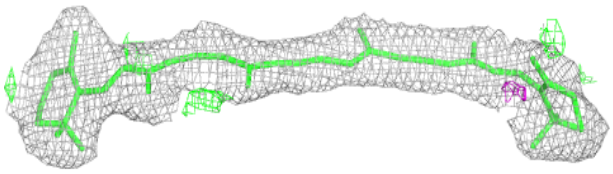
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

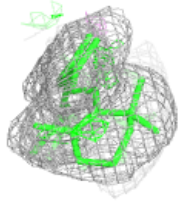


Electron density around BCR R 101:

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

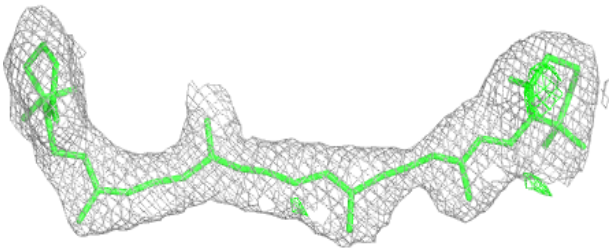


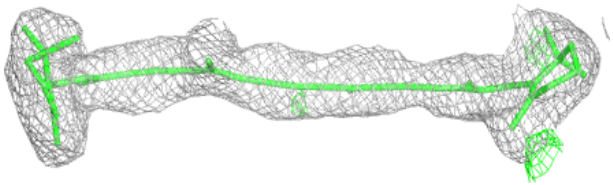


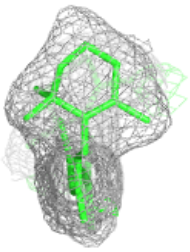


Electron density around BCR R 102:

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

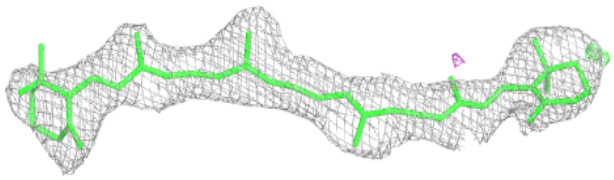


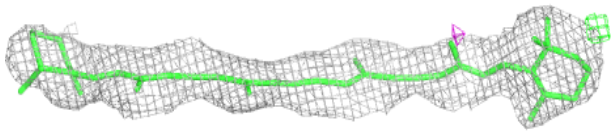


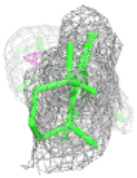


Electron density around BCR S 1104:

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

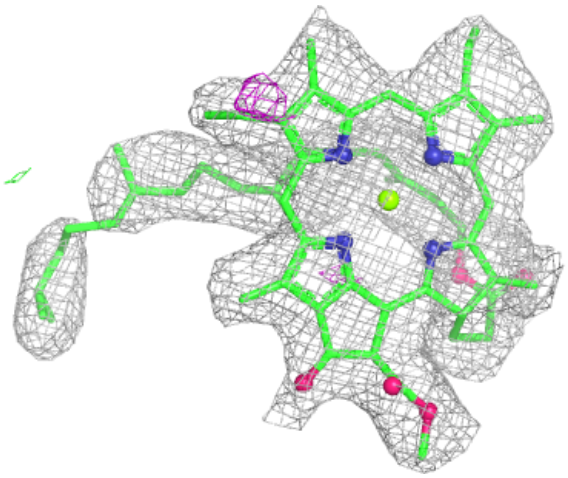


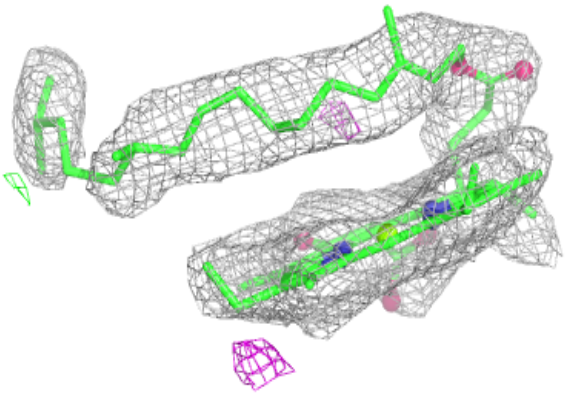


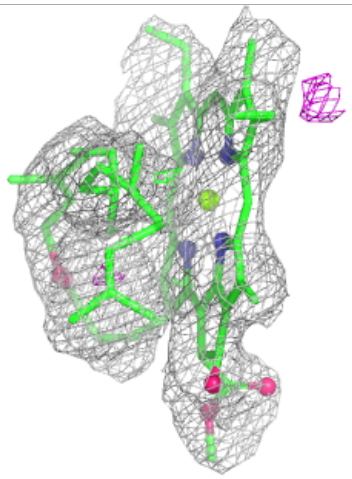


Electron density around CLA H 827:

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

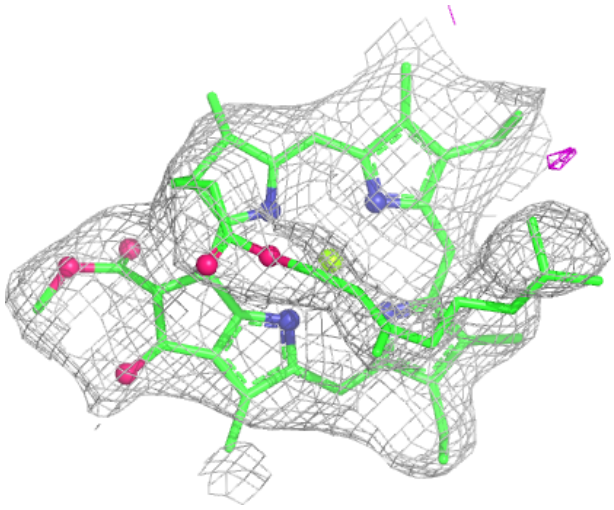


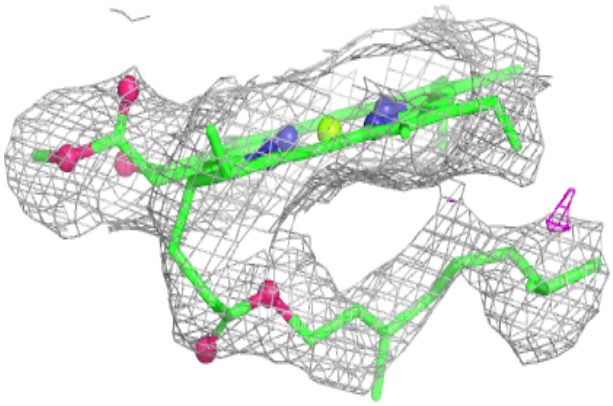


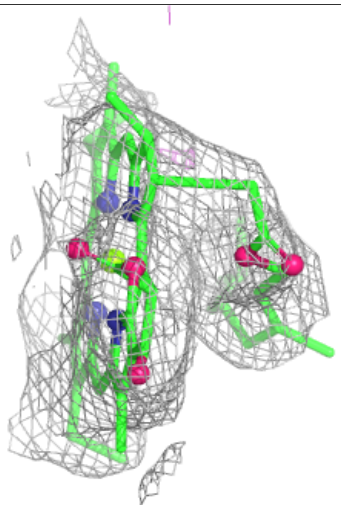


Electron density around CLA B 821:

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

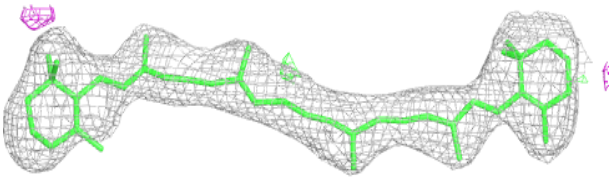


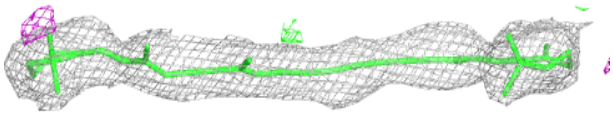


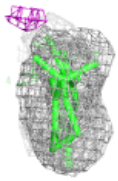


Electron density around BCR U 1005:

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

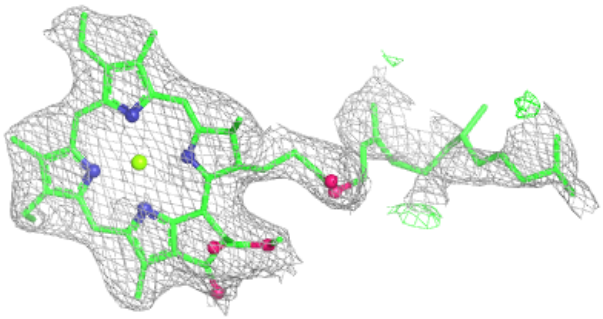


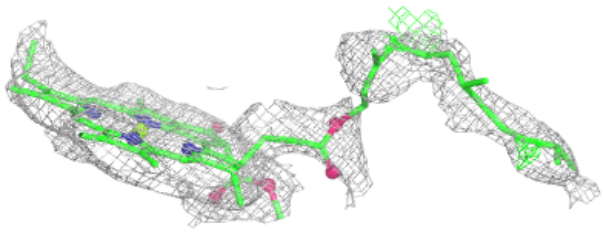


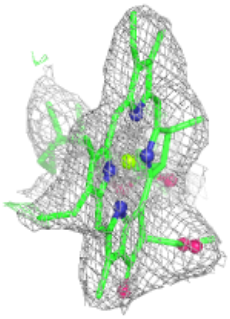


Electron density around CLA B 822:

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

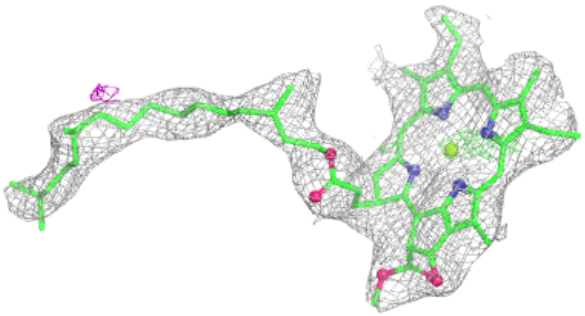


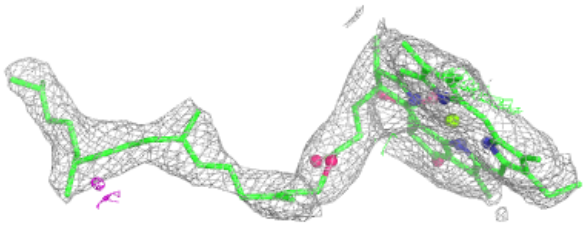


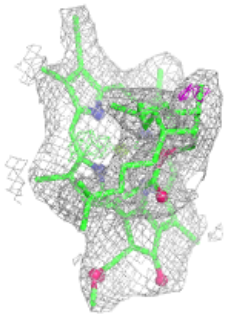


Electron density around CLA A 822:

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

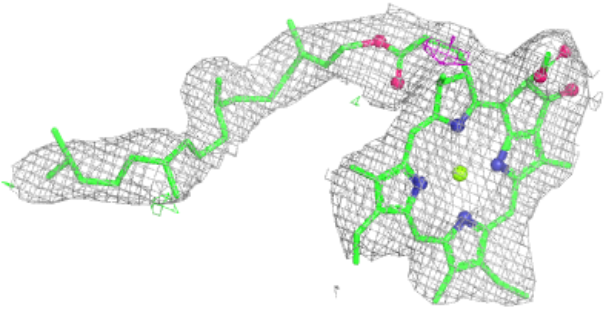


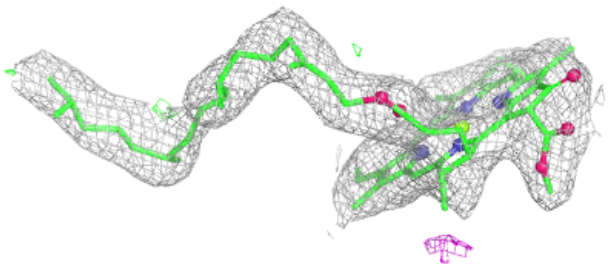


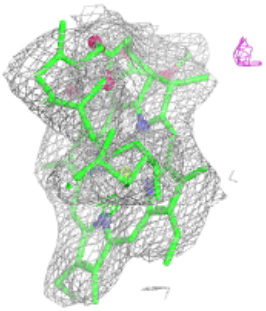


Electron density around CLA A 809:

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

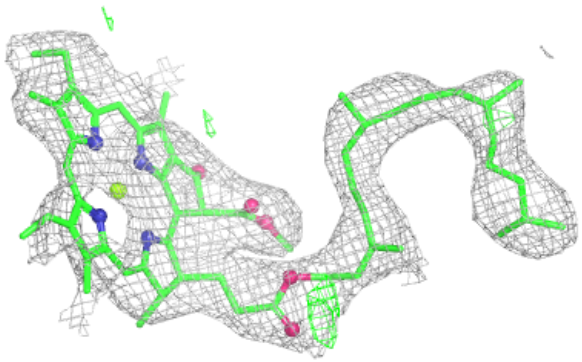


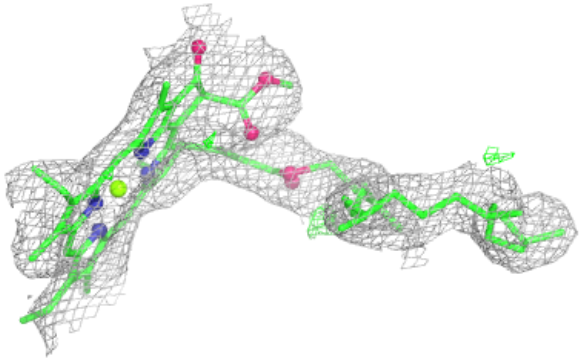


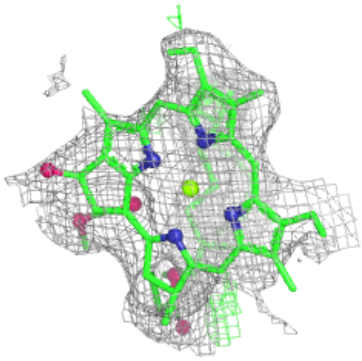


Electron density around CL0 Y 801:

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

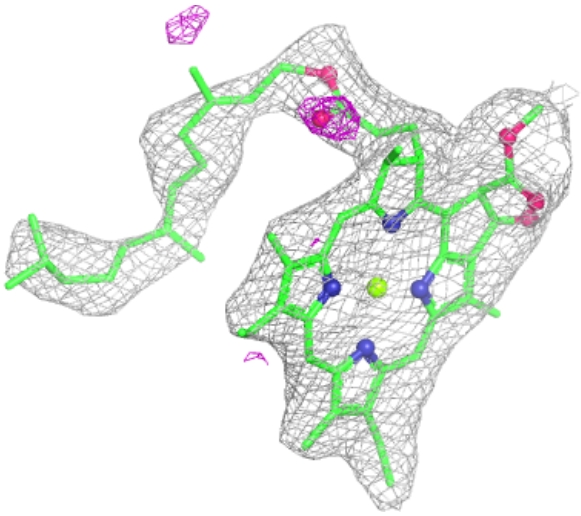


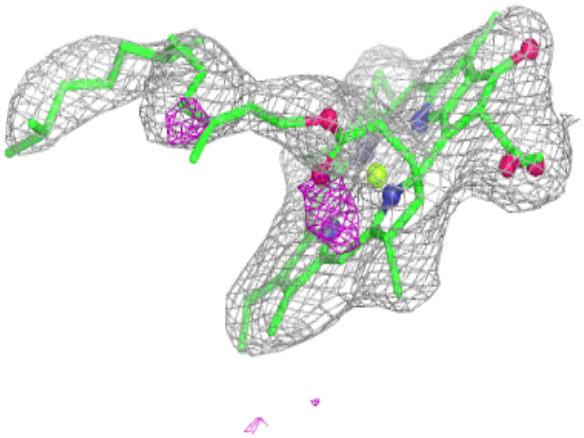


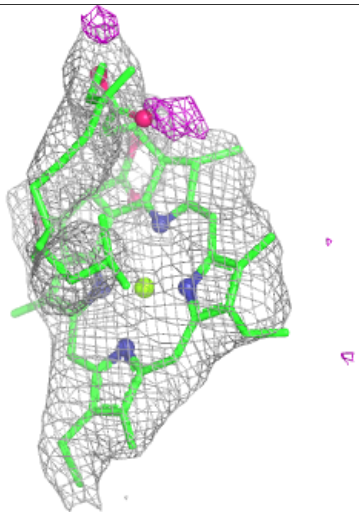


Electron density around CLA A 825:

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

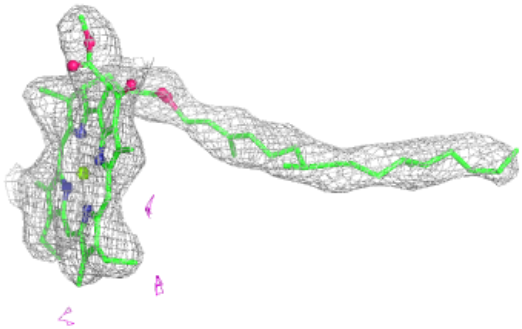


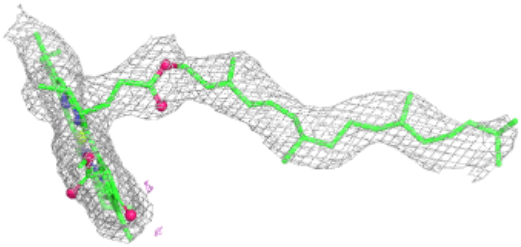


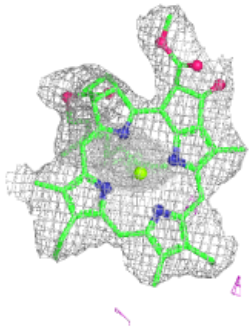


Electron density around CLA B 827:

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

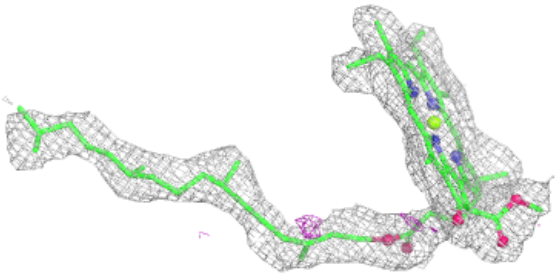


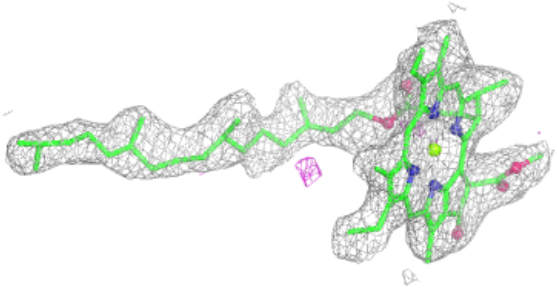


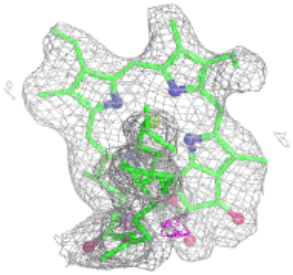


Electron density around CLA B 828:

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

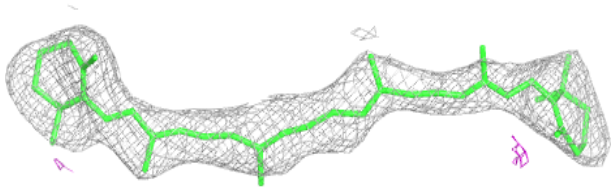


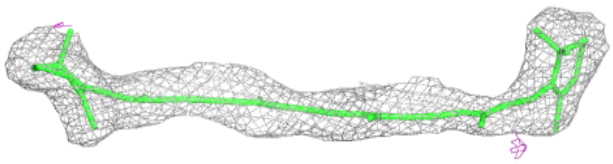


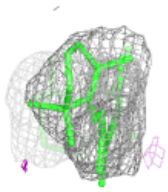


Electron density around BCR Y 848:

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

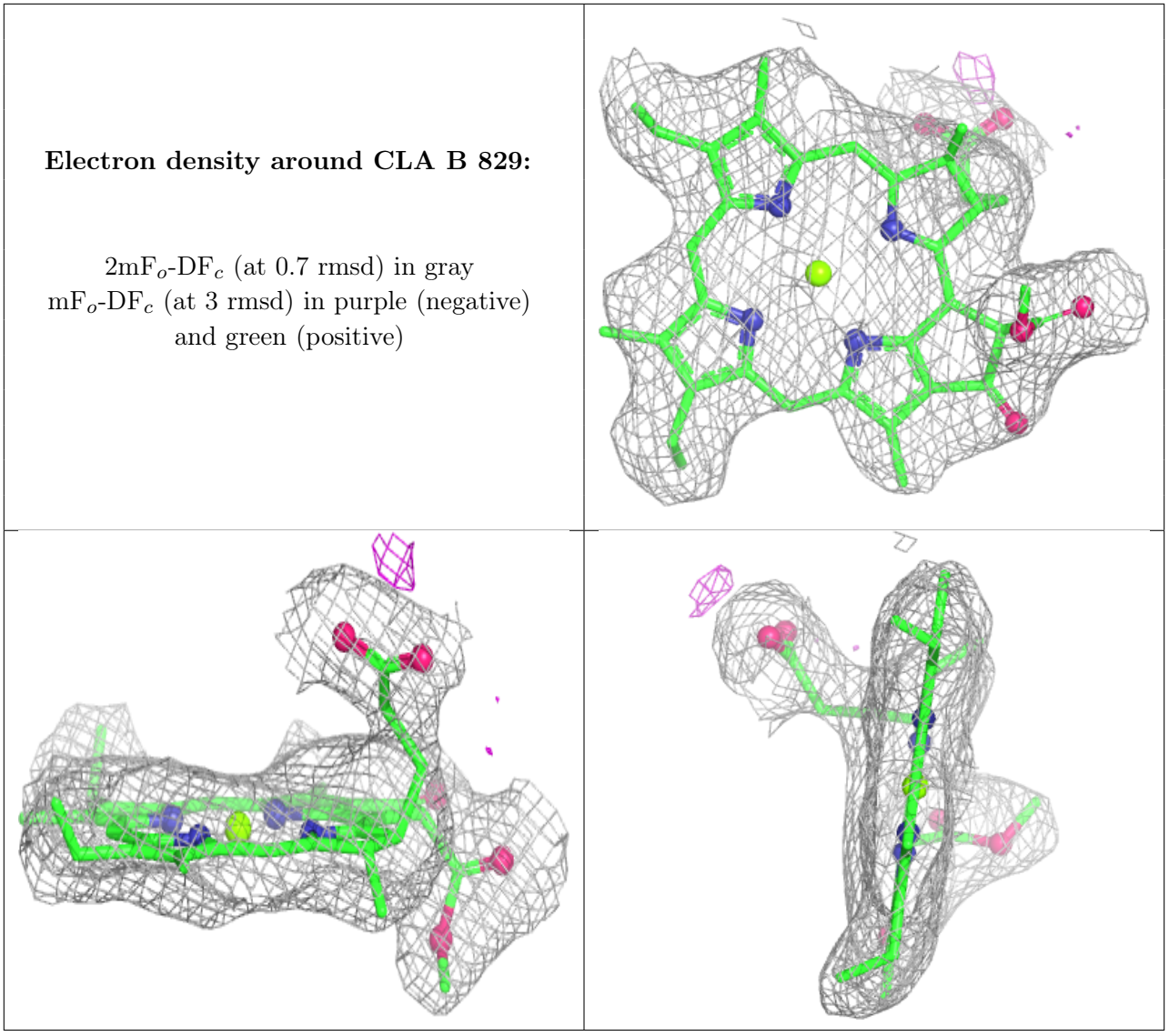






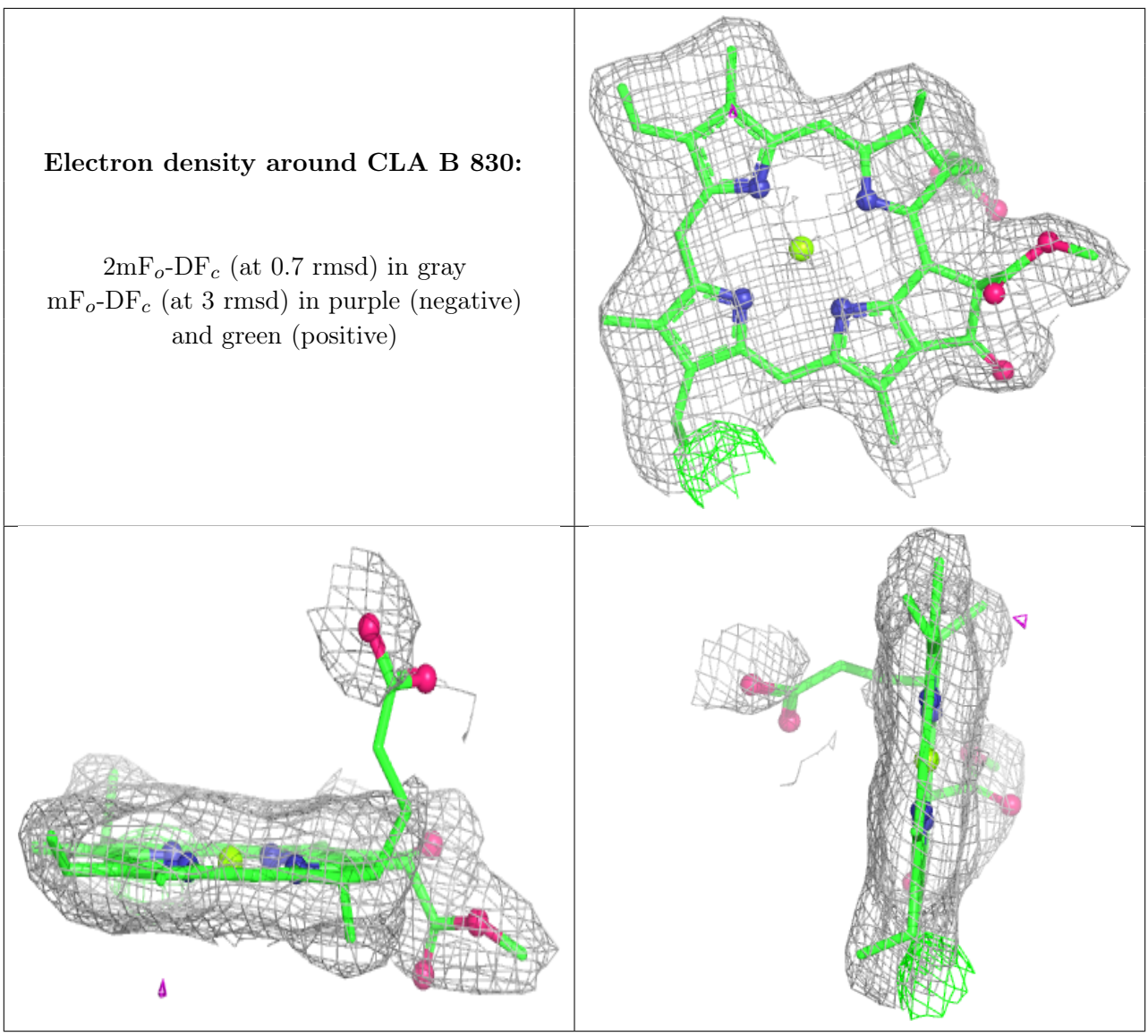
Electron density around CLA B 829:

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



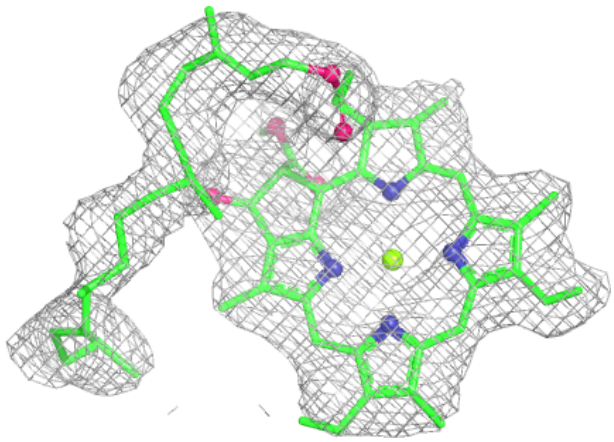
Electron density around CLA B 830:

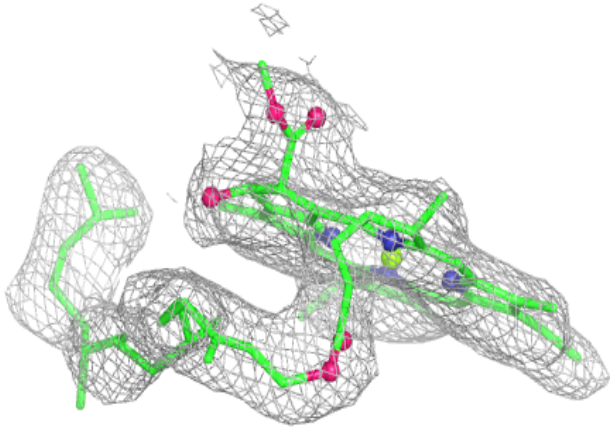
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

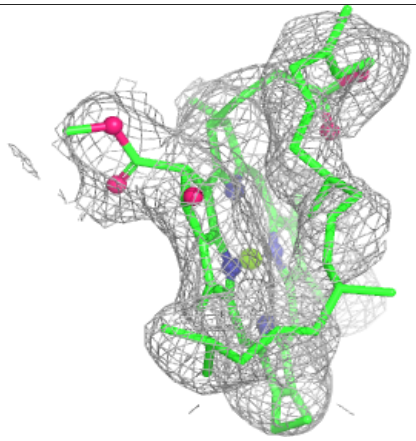


Electron density around CLA B 831:

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

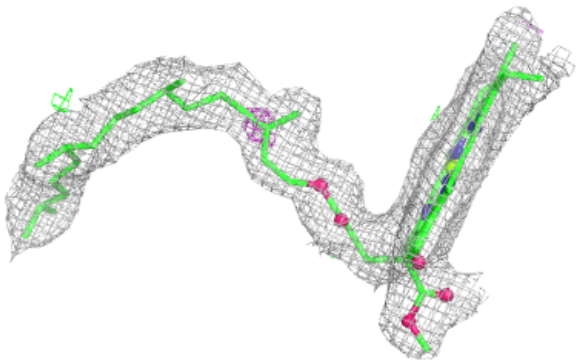


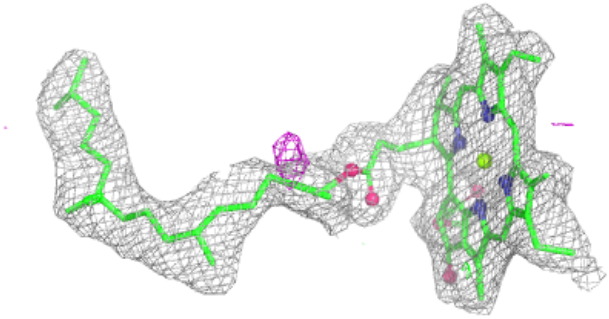


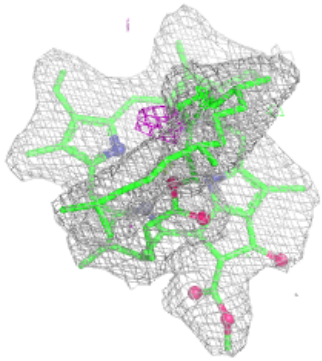


Electron density around CLA H 839:

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

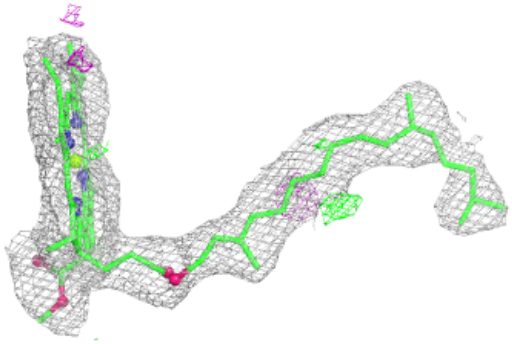


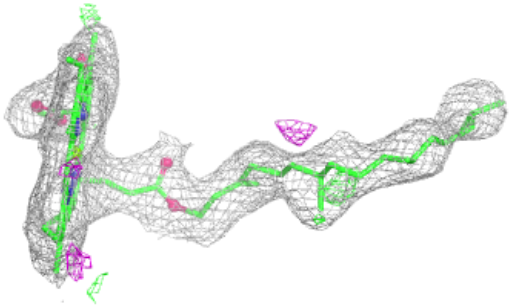


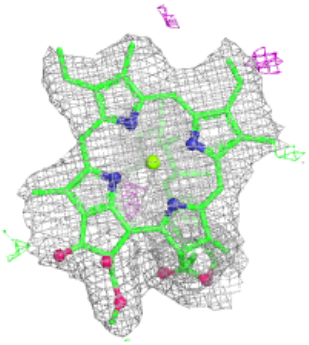


Electron density around CLA H 840:

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

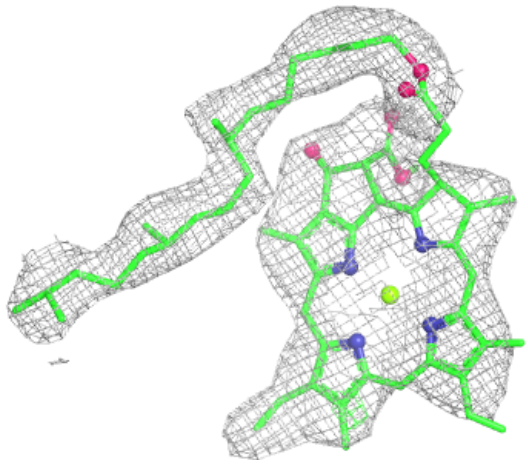


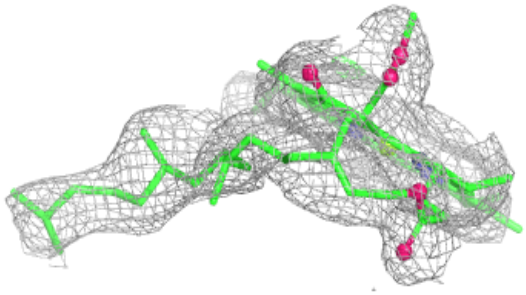




Electron density around CLA A 826:

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

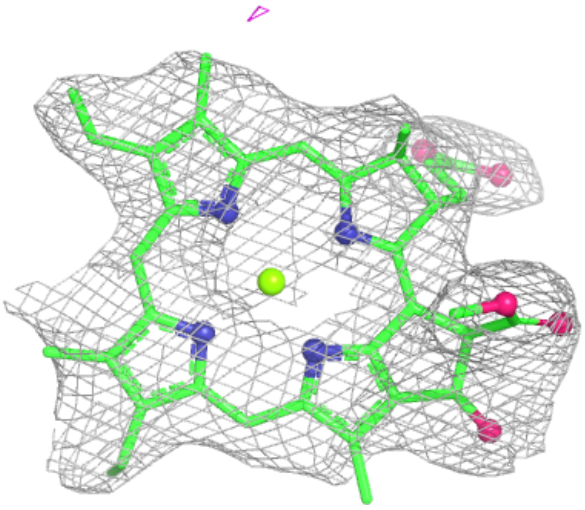


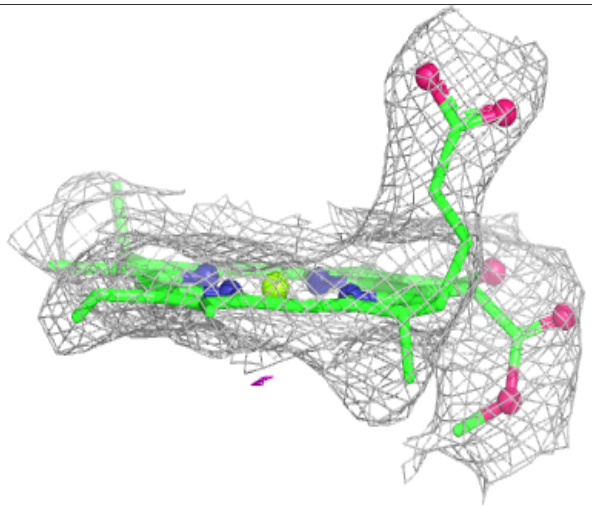


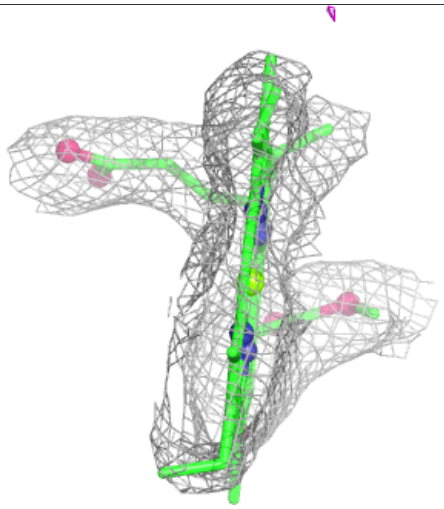


Electron density around CLA B 833:

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

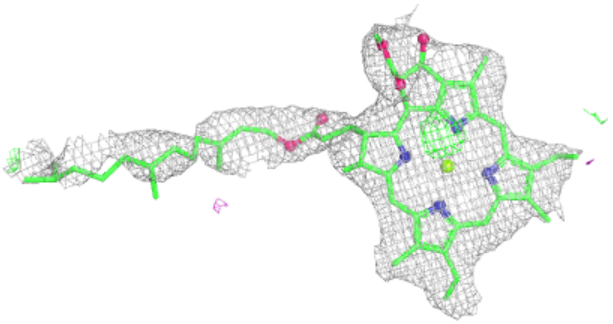


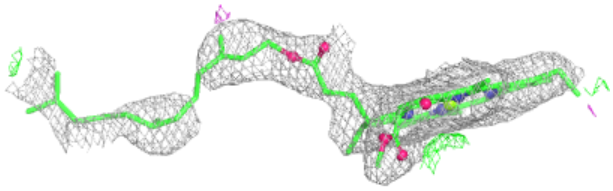




Electron density around CLA A 827:

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



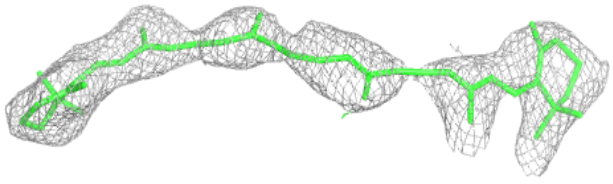


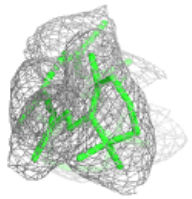


Electron density around BCR Z 848:

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

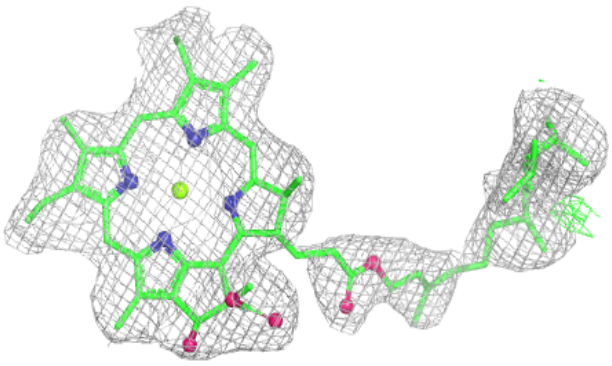


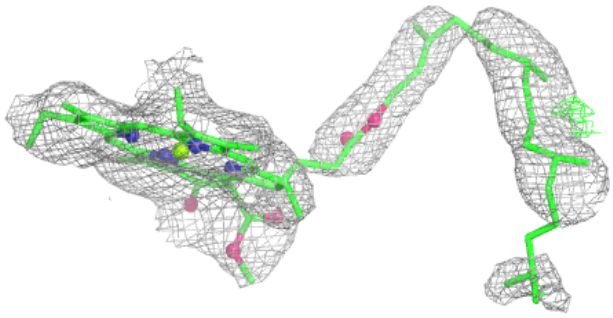




Electron density around CLA A 828:

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

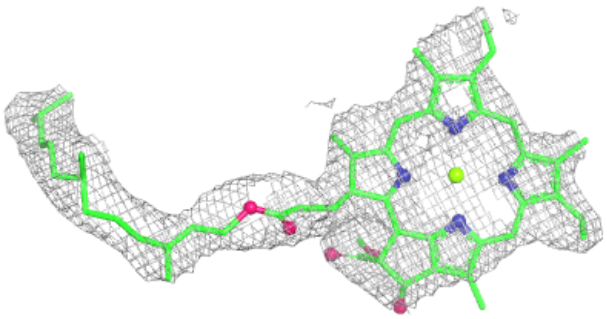


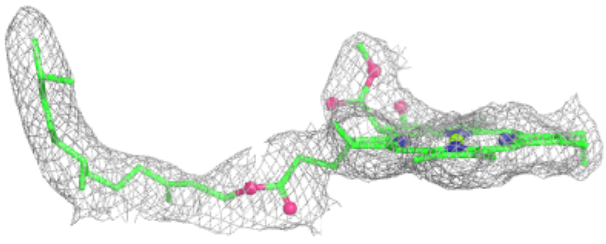




Electron density around CLA B 836:

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

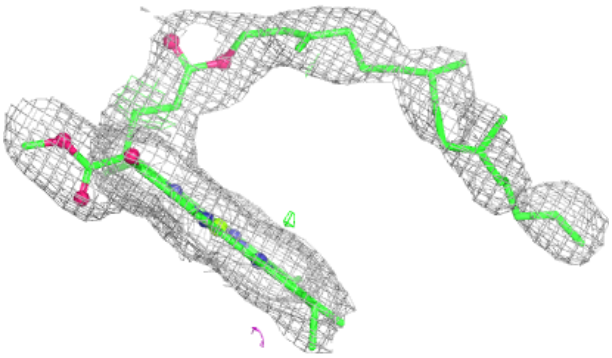


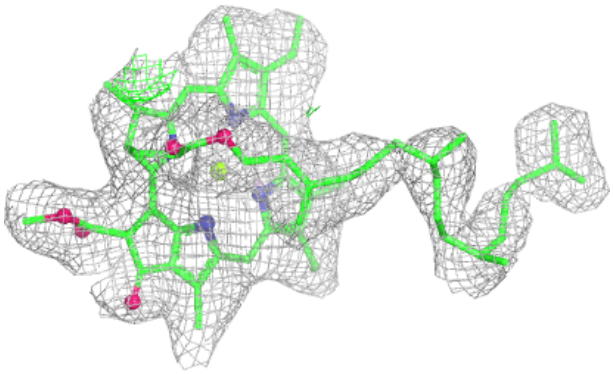


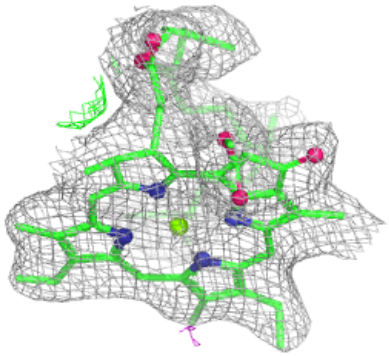


Electron density around CLA L 201:

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

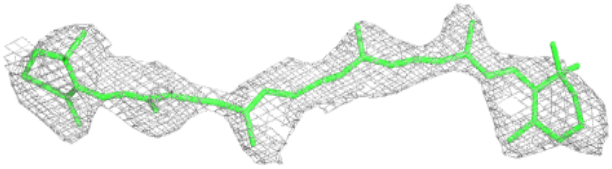


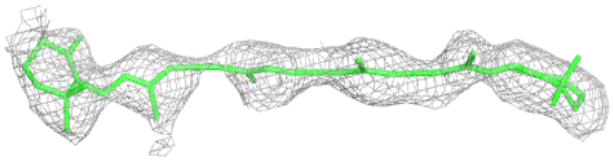


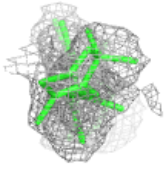


Electron density around BCR f 103:

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

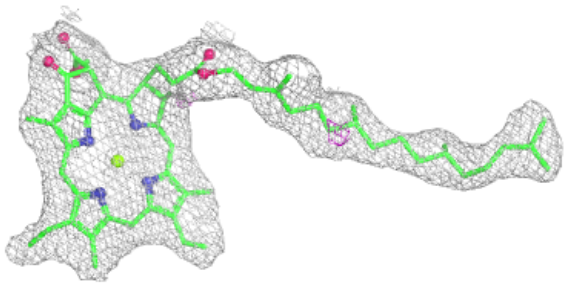


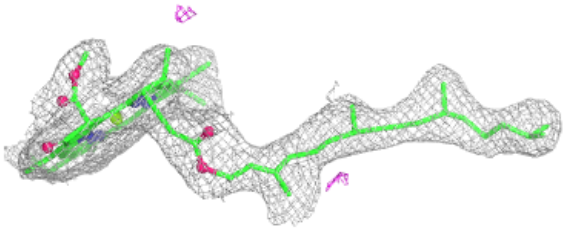


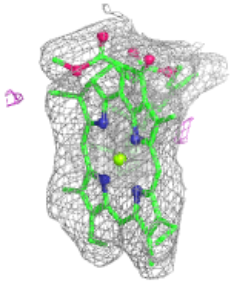


Electron density around CLA L 202:

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

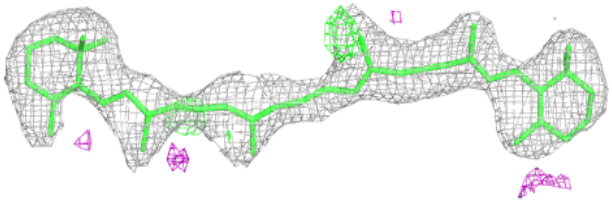




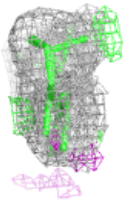


Electron density around BCR h 207:

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

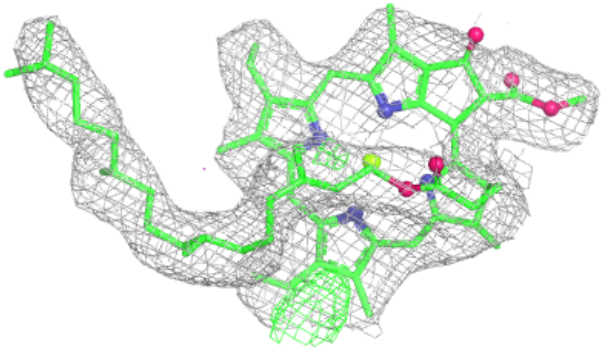


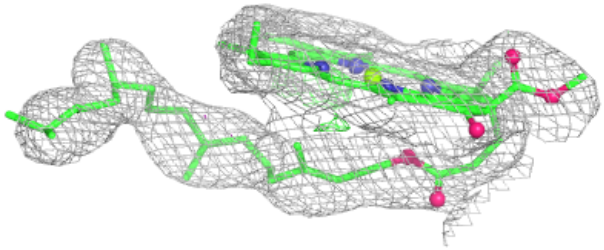


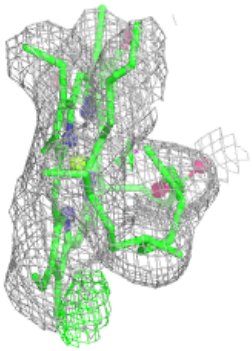


Electron density around CLA B 837:

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

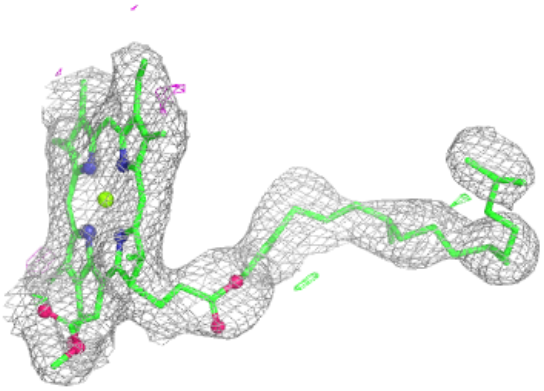


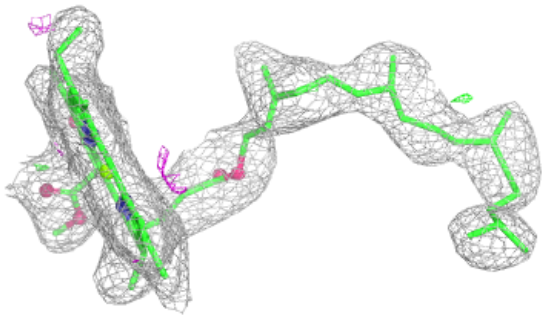


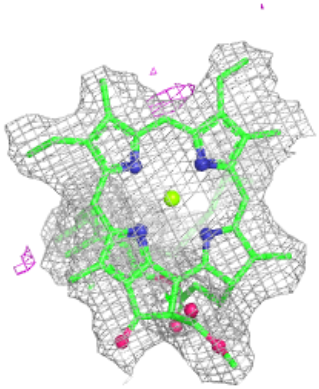


Electron density around CLA L 205:

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

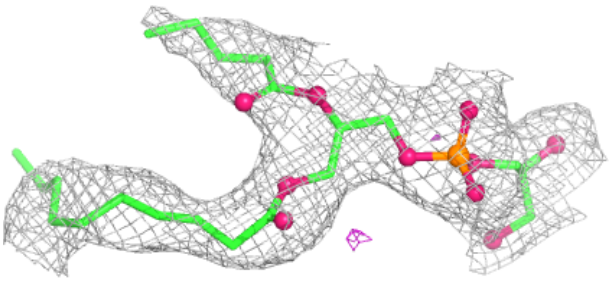


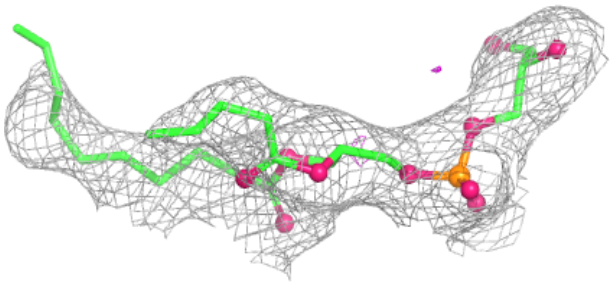


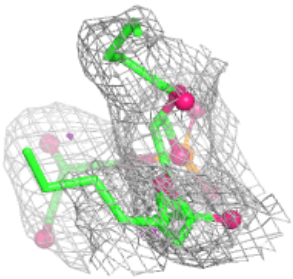


Electron density around LHG A 853:

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

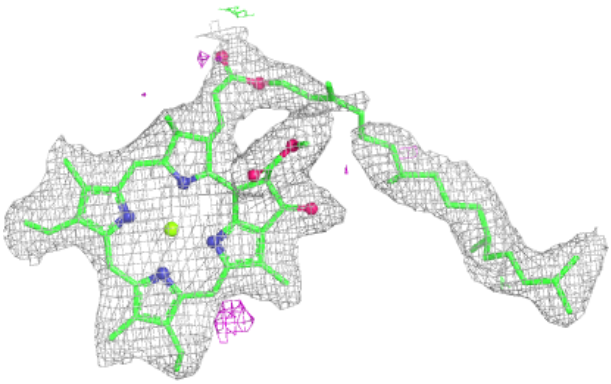


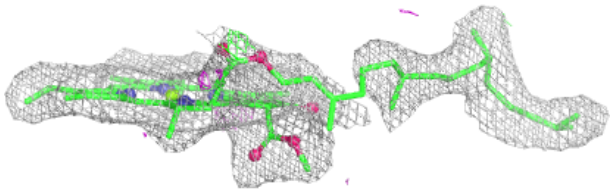


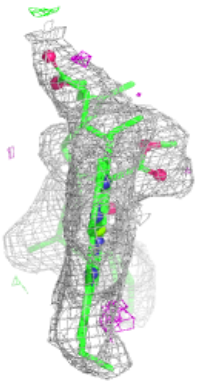


Electron density around CLA L 206:

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

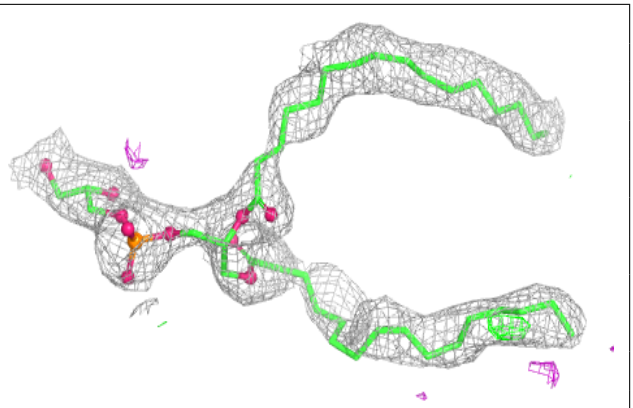


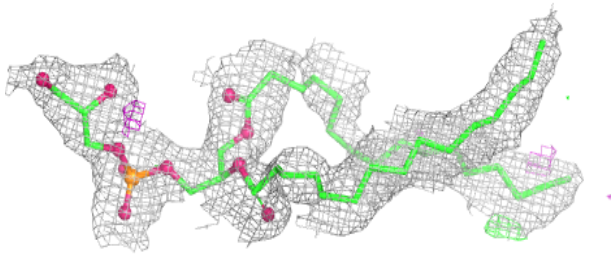


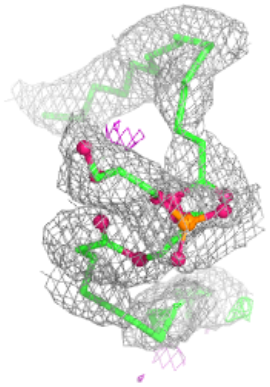


Electron density around LHG G 850:

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

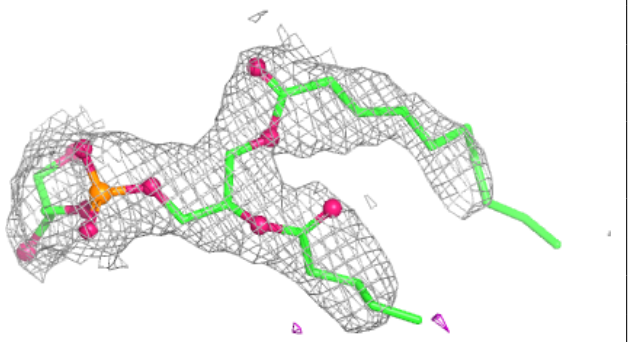


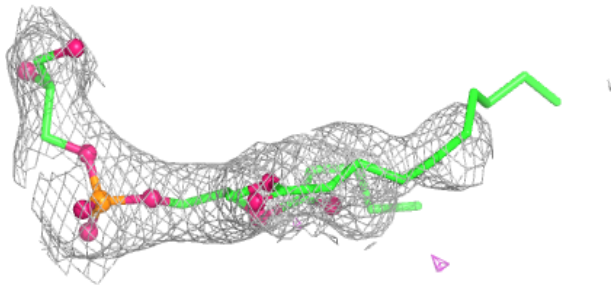




Electron density around LHG G 851:

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

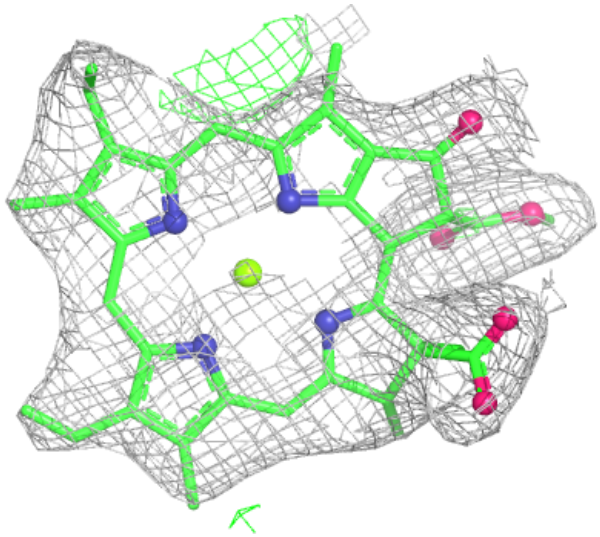


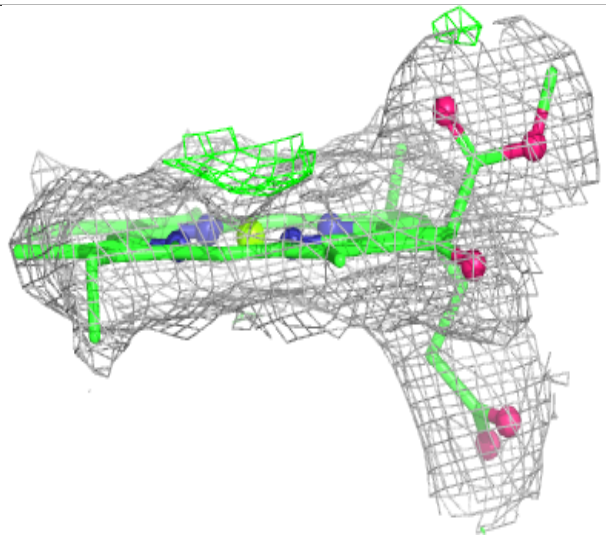


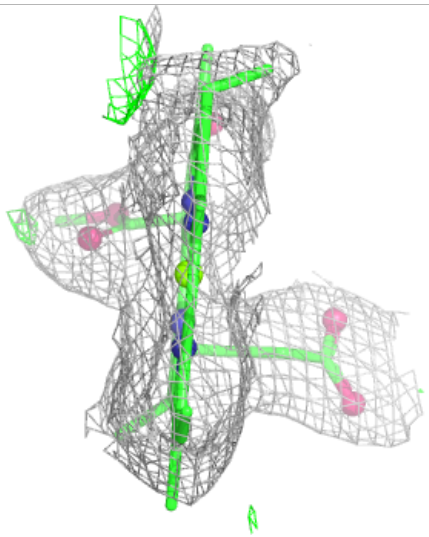


Electron density around CLA B 838:

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

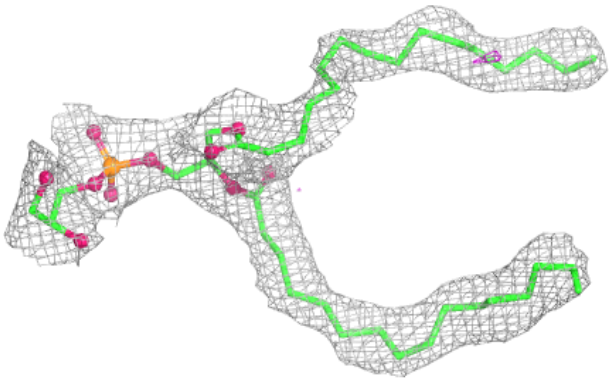


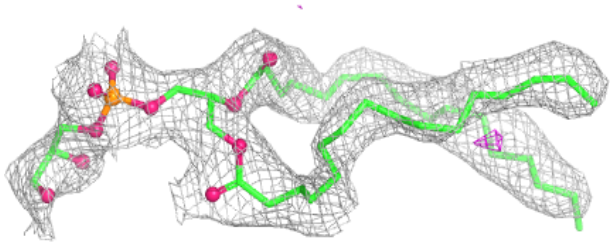


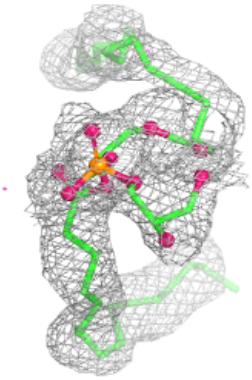


Electron density around LHG Y 850:

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

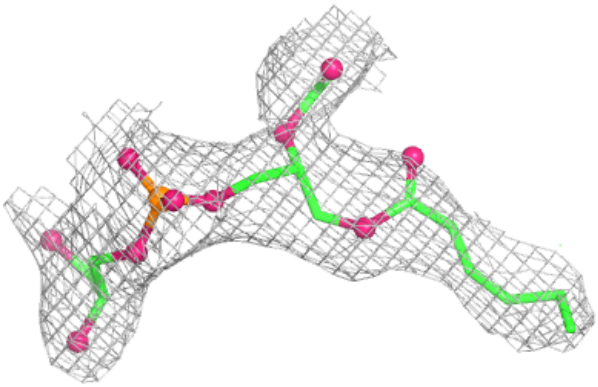


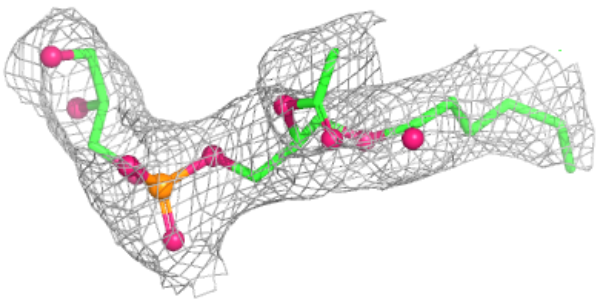


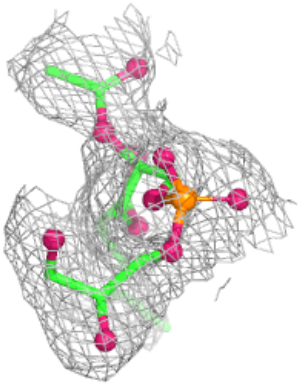


Electron density around LHG Y 851:

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

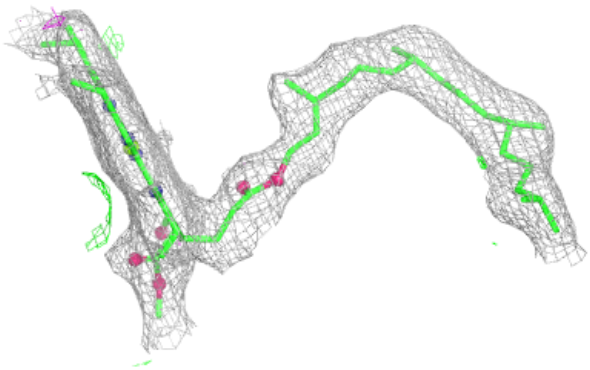


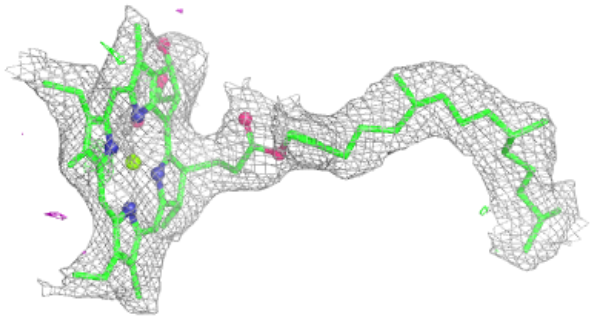


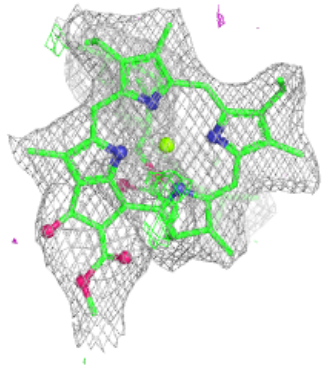


Electron density around CLA B 839:

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

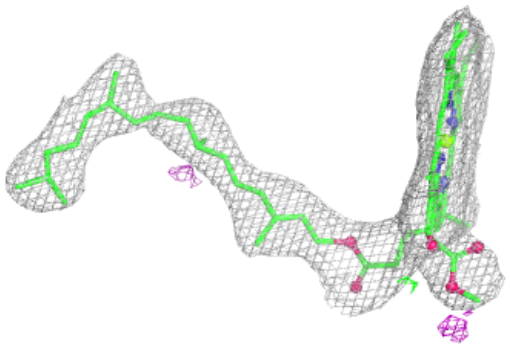


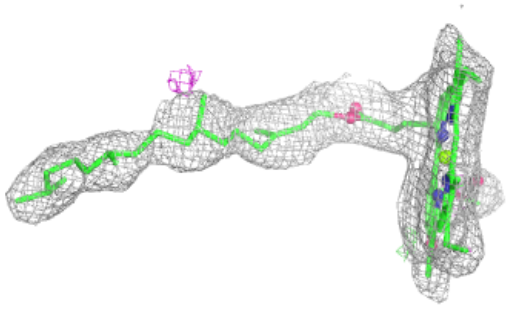


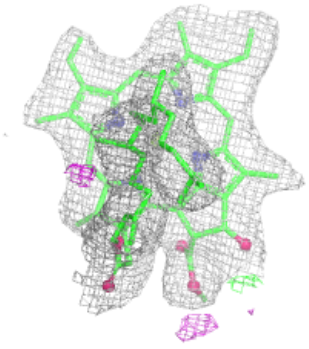


Electron density around CLA B 840:

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

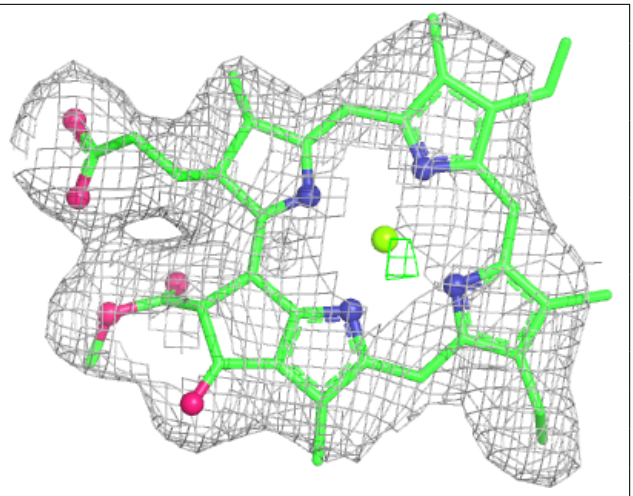


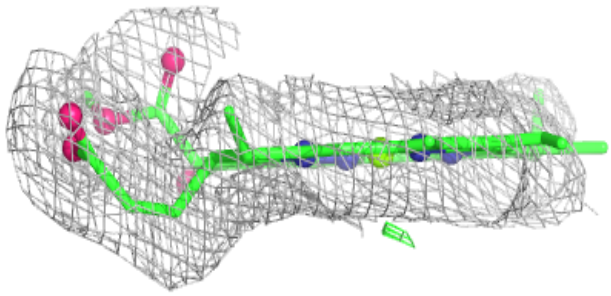


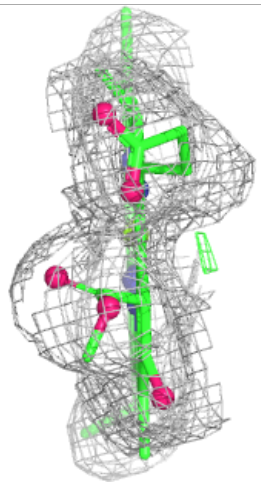


Electron density around CLA F 202:

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

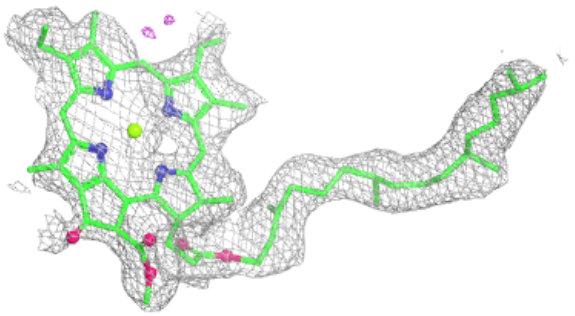


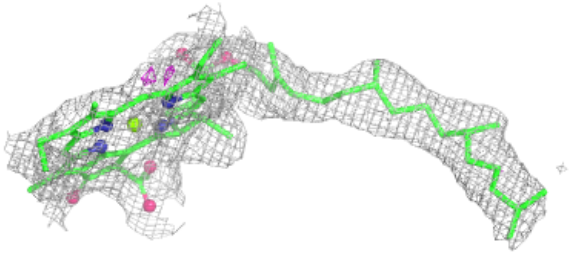


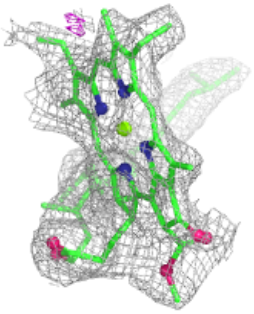


Electron density around CLA G 802:

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

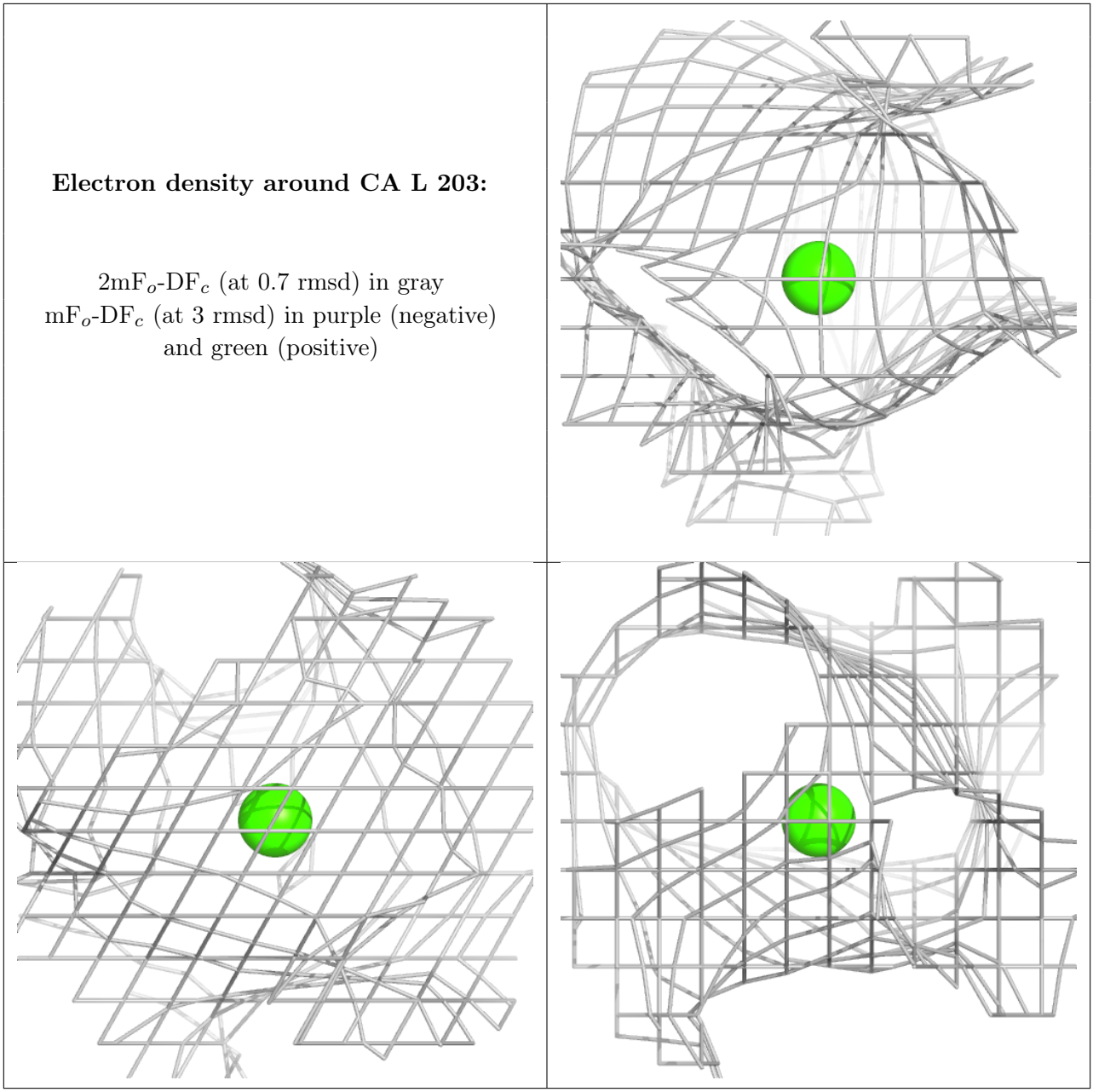






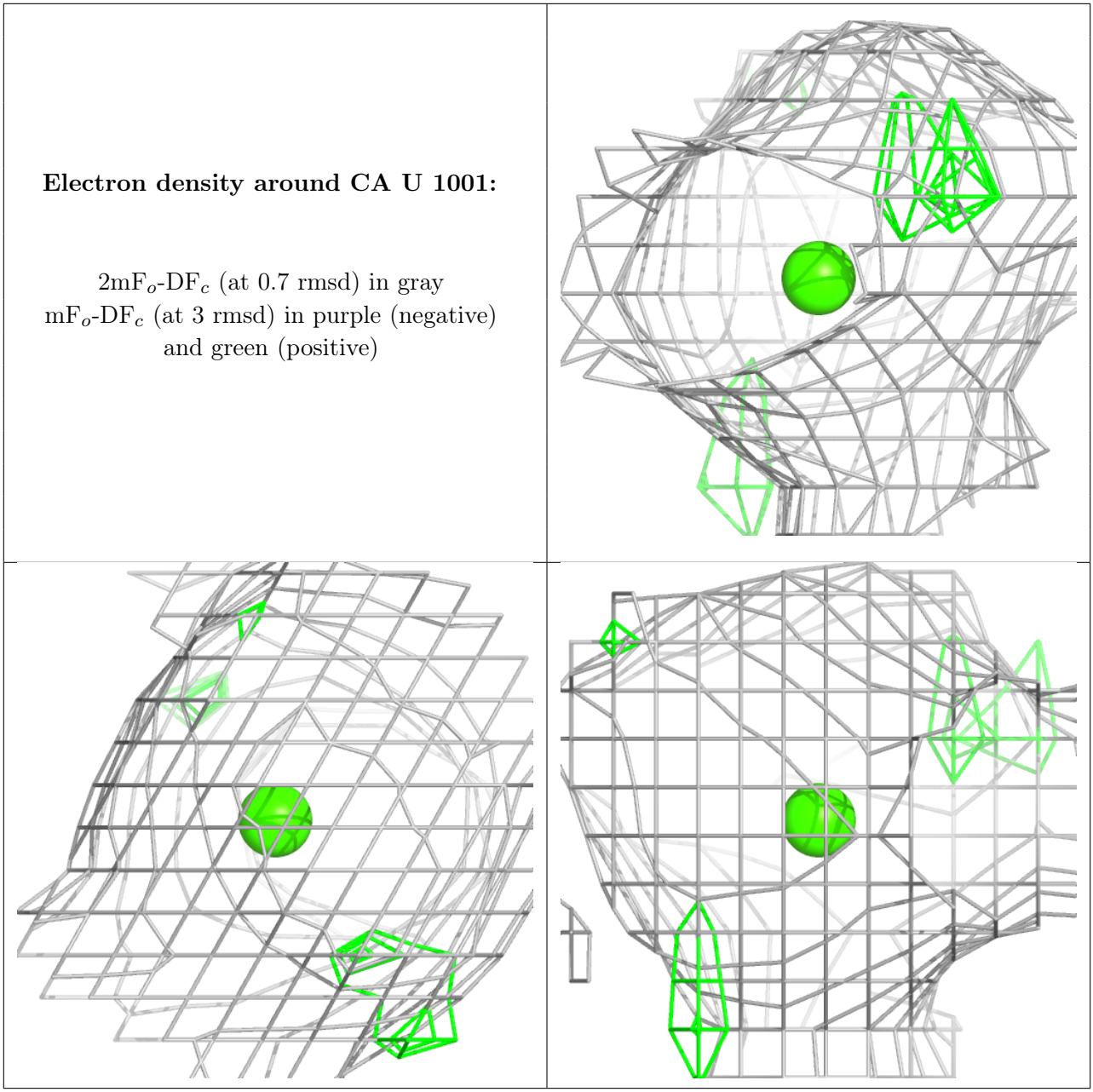
Electron density around CA L 203:

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



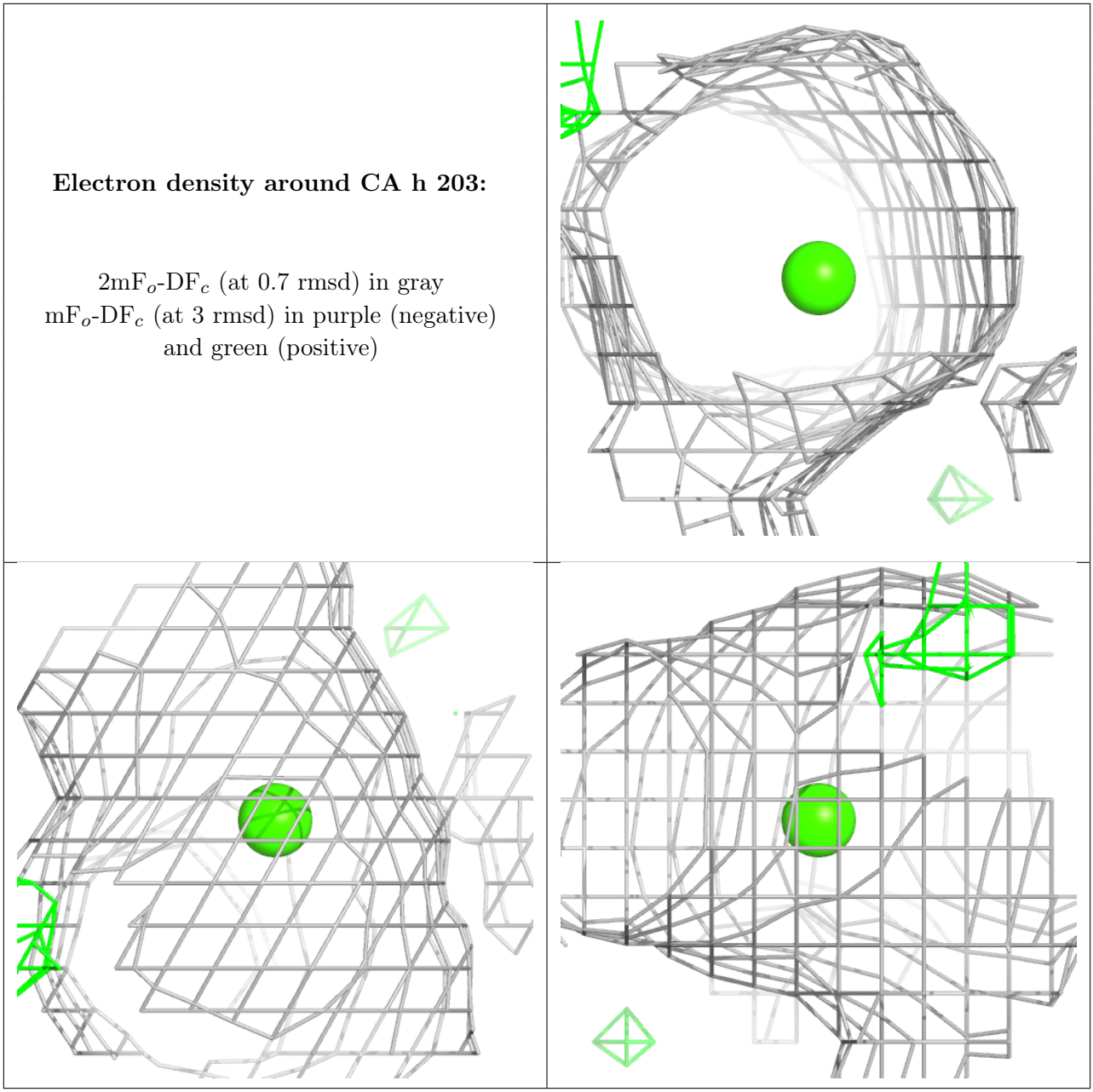
Electron density around CA U 1001:

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



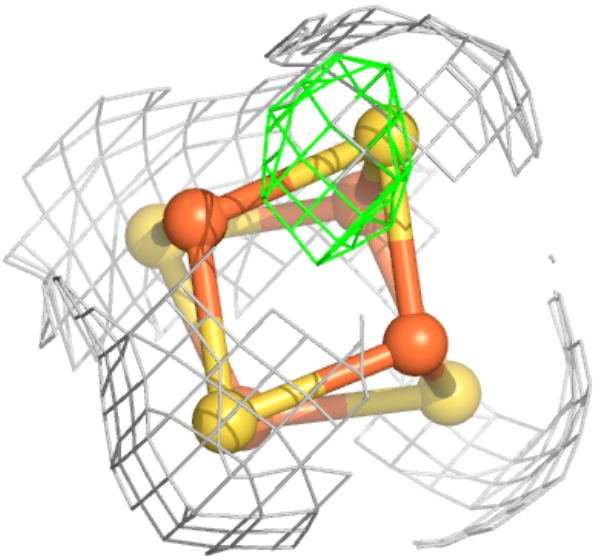
Electron density around CA h 203:

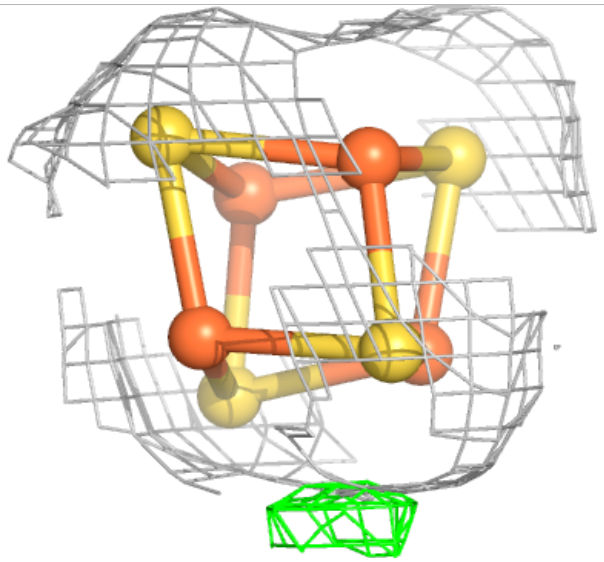
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

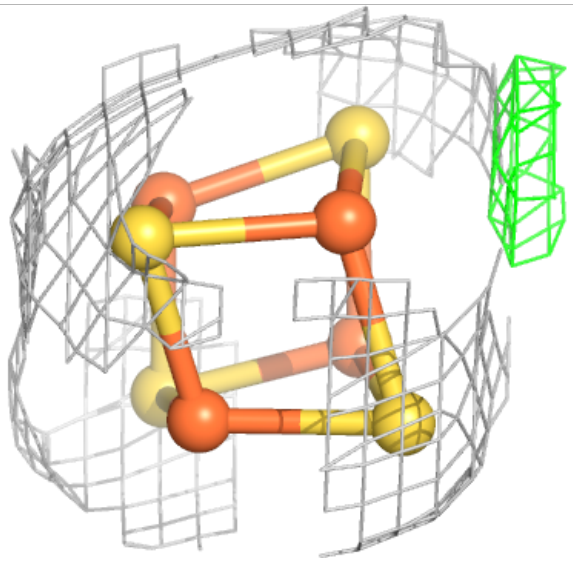


Electron density around SF4 C 102:

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

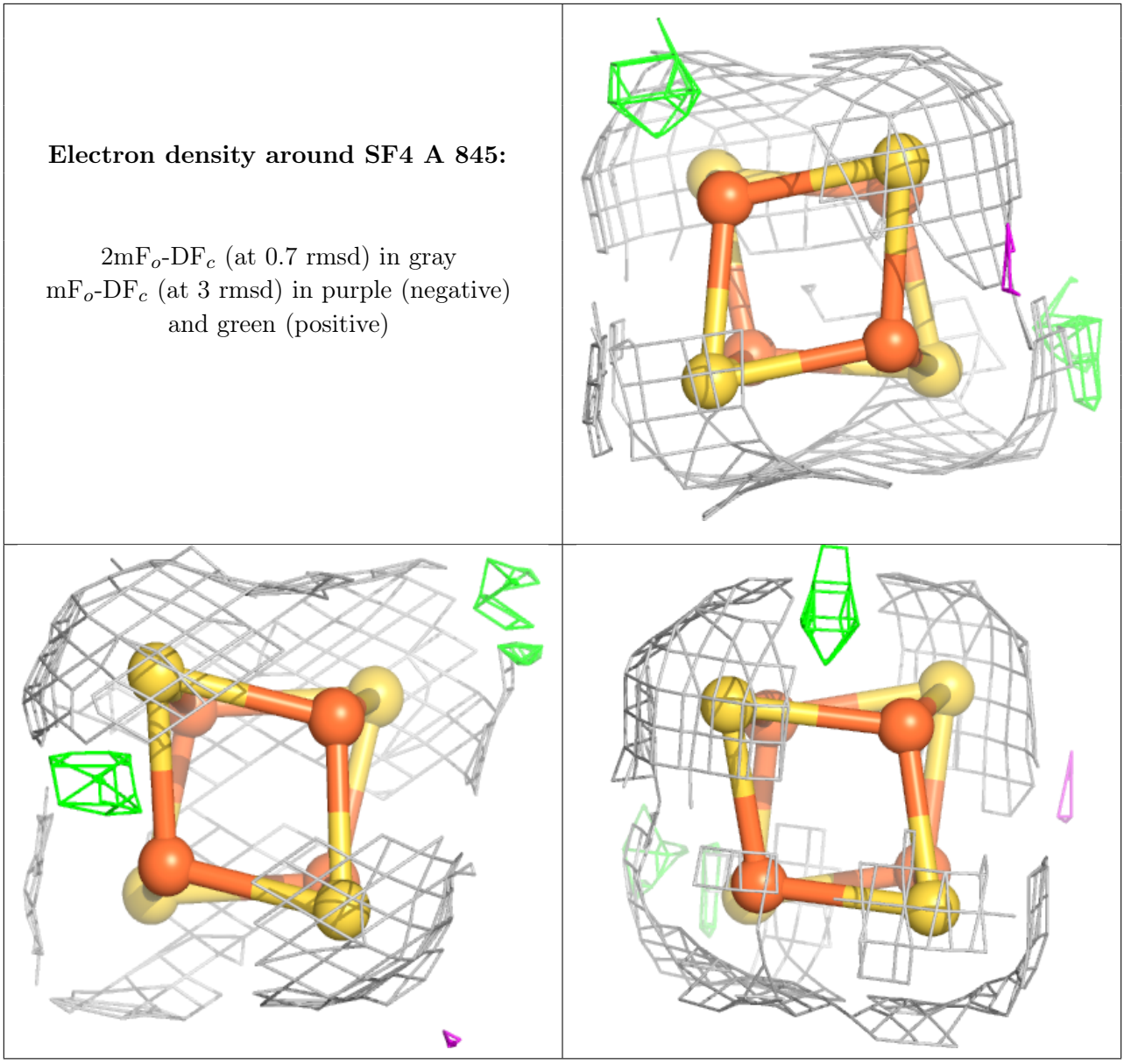






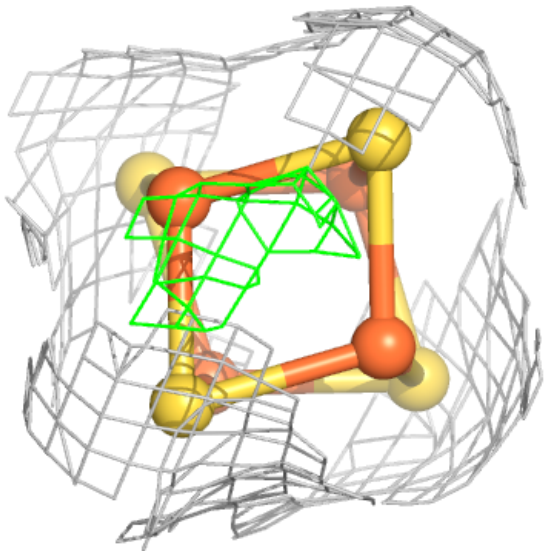
Electron density around SF4 A 845:

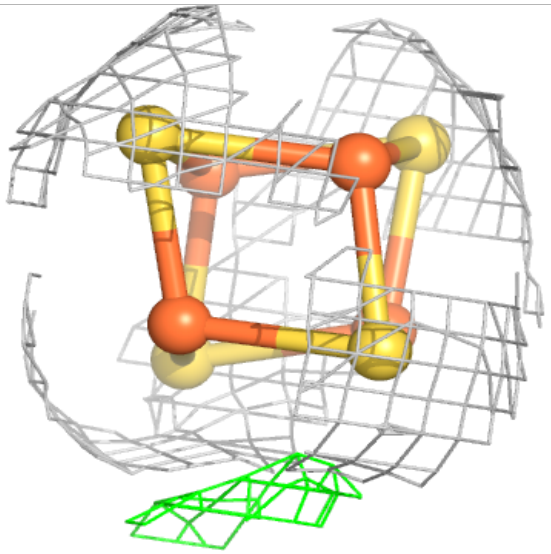
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

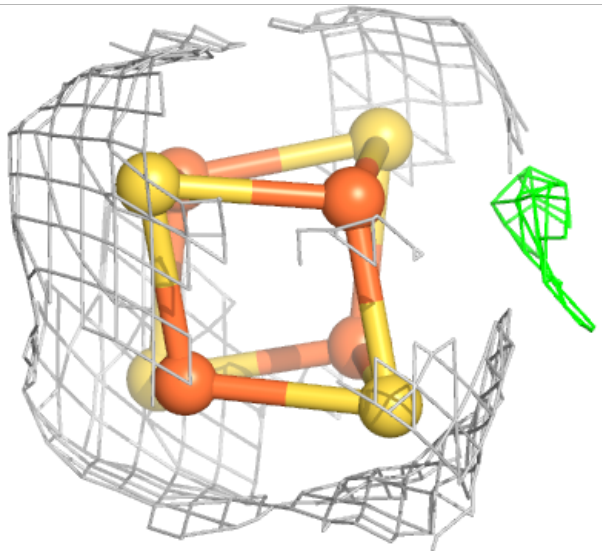


Electron density around SF4 N 101:

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

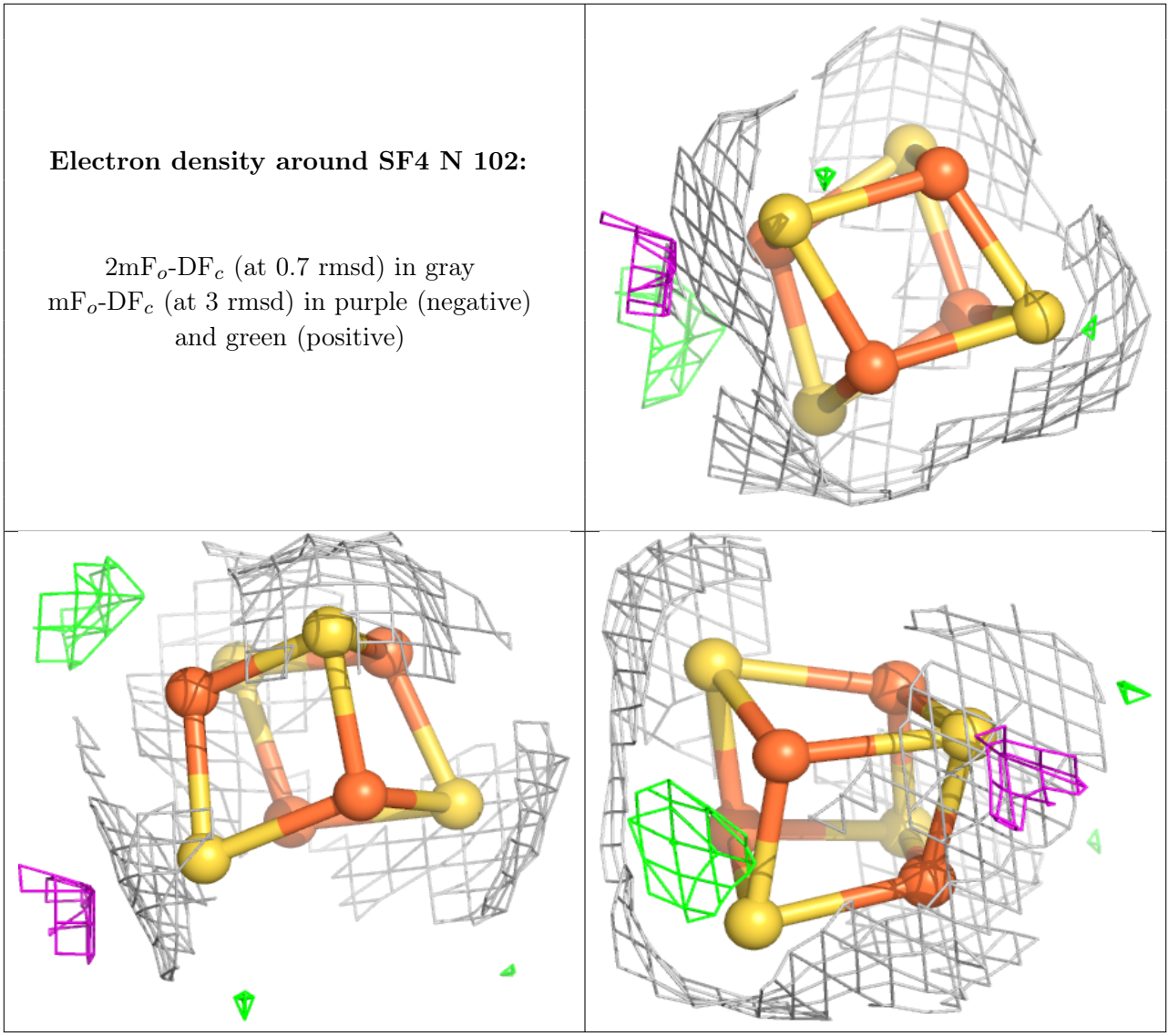






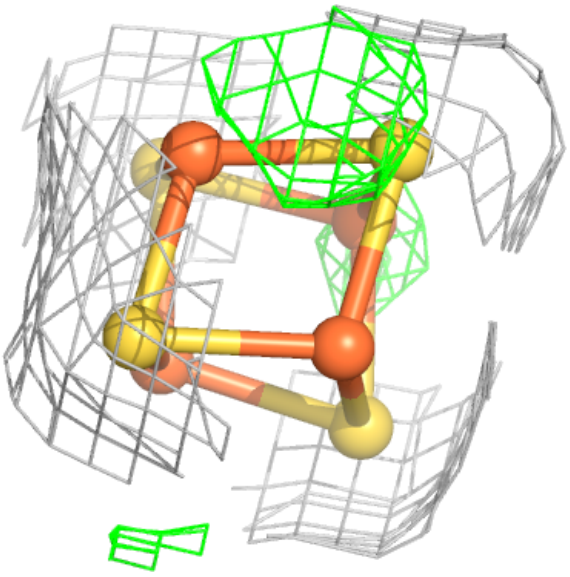
Electron density around SF4 N 102:

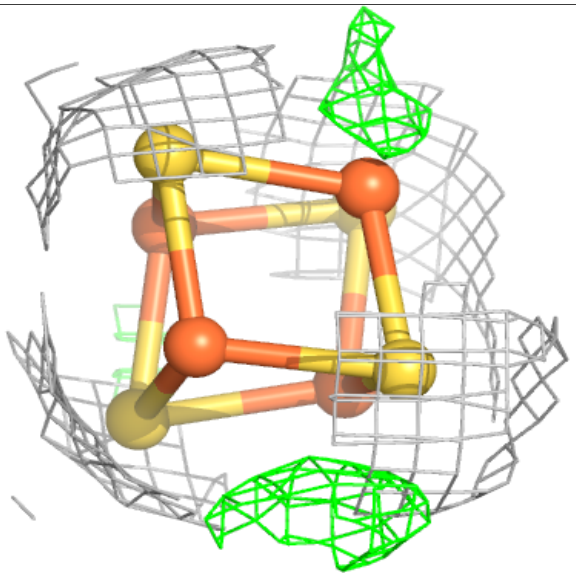
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

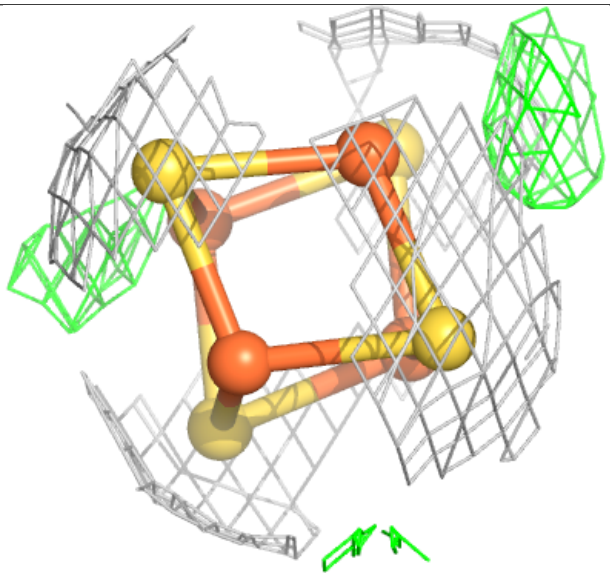


Electron density around SF4 Y 843:

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

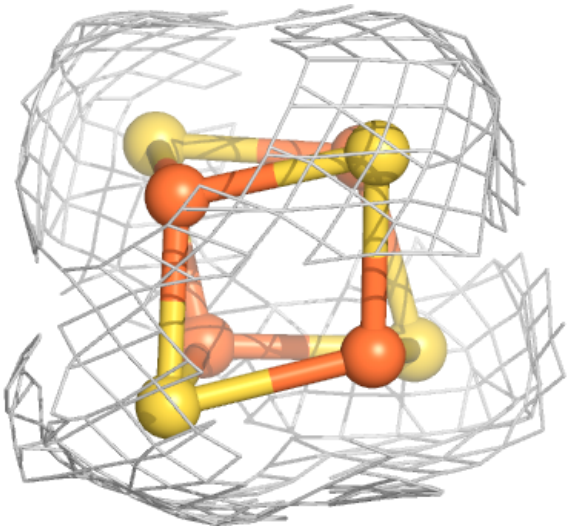


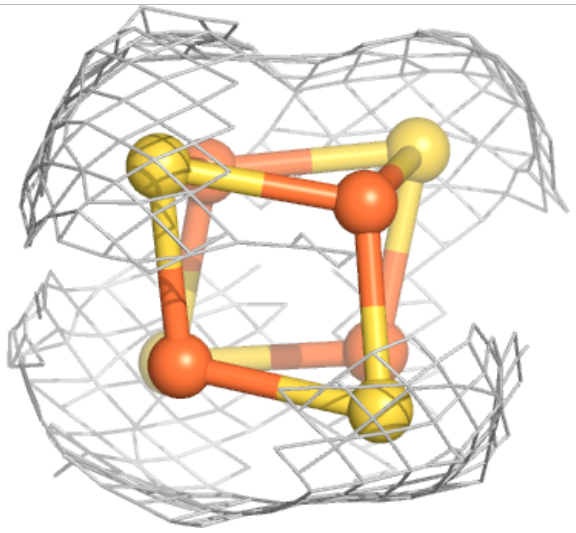


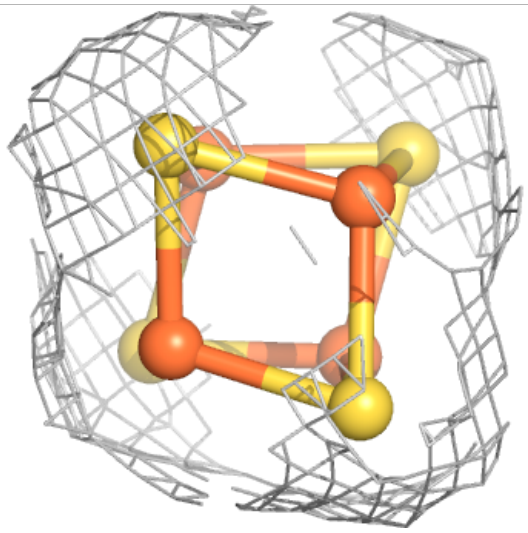


Electron density around SF4 a 101:

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

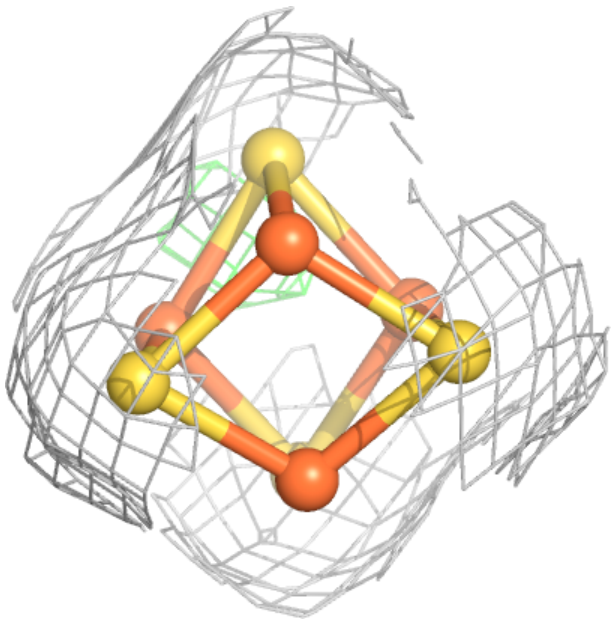


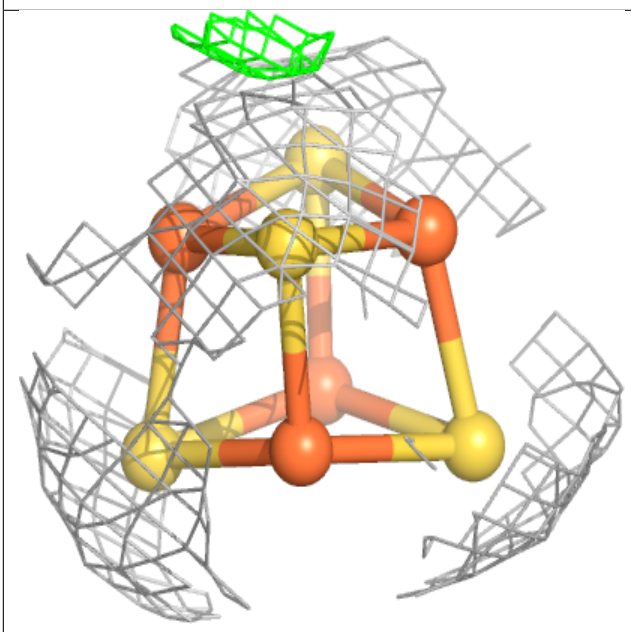


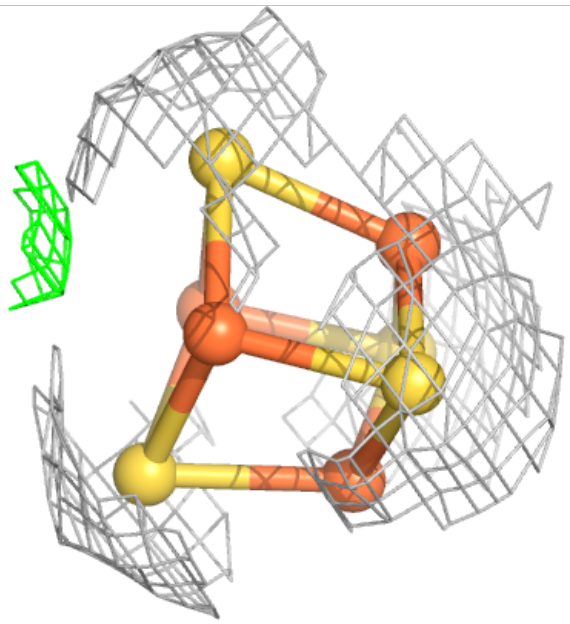


Electron density around SF4 a 102:

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

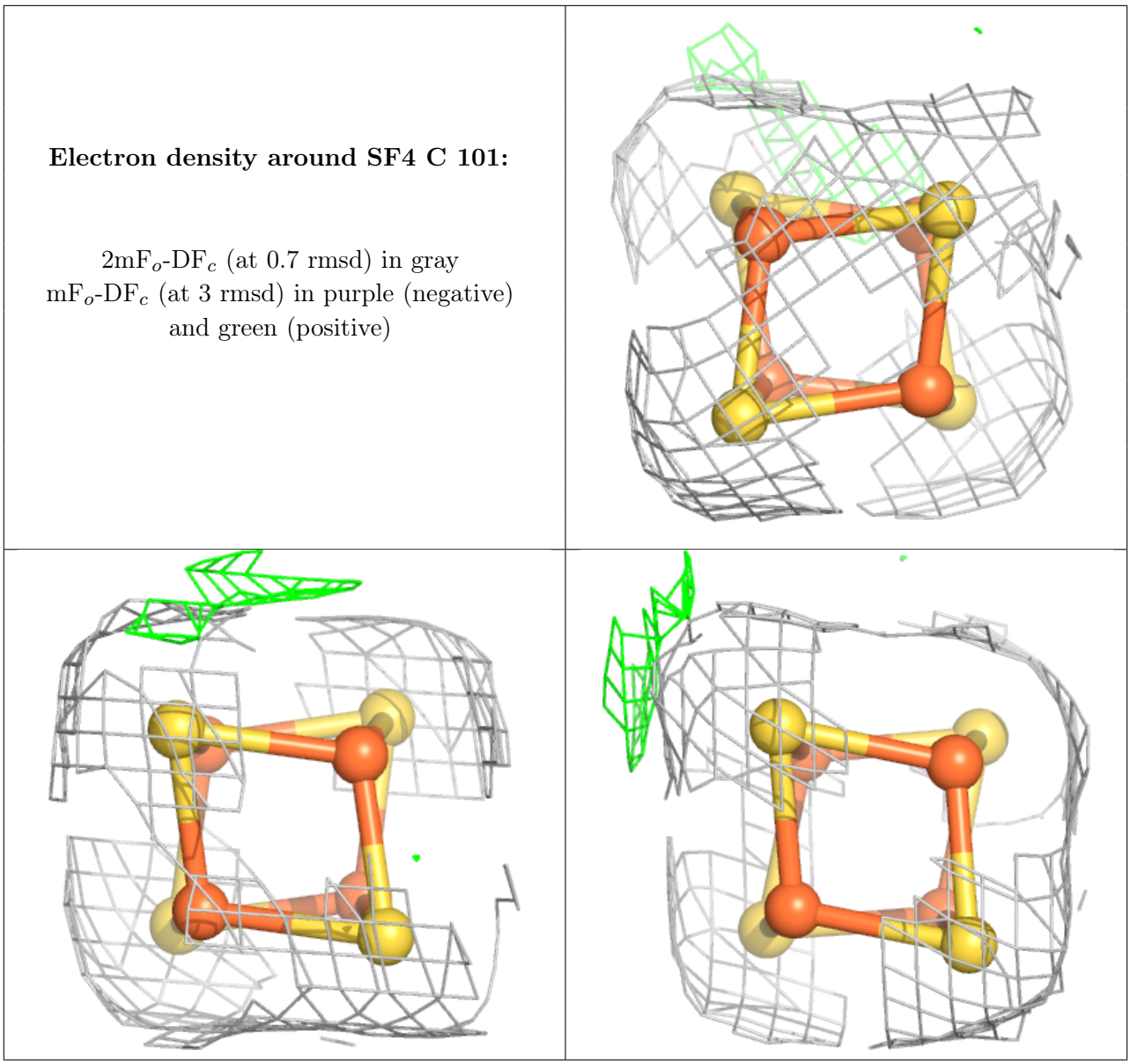






Electron density around SF4 C 101:

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



6.5 Other polymers (i)

There are no such residues in this entry.