



# wwPDB X-ray Structure Validation Summary Report ⓘ

Oct 7, 2023 – 01:52 PM EDT

PDB ID : 4P3R  
Title : Cryogenic WT DHFR, time-averaged ensemble  
Authors : Keedy, D.A.; van den Bedem, H.; Fraser, J.S.  
Deposited on : 2014-03-10  
Resolution : 1.15 Å(reported)

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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 : **FAILED**  
Xtrriage (Phenix) : 1.13  
EDS : **FAILED**  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.35.1

# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 1.15 Å.

There are no overall percentile quality scores available for this entry.

MolProbity and EDS failed to run properly - the sequence quality summary graphics cannot be shown.

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
3	NAP	1-A	202	X	-	-	-
3	NAP	103-A	202	X	-	-	-
3	NAP	109-A	202	X	-	-	-
3	NAP	118-A	202	X	-	-	-
3	NAP	119-A	202	X	-	-	-
3	NAP	120-A	202	X	-	-	-
3	NAP	132-A	202	X	-	-	-
3	NAP	141-A	202	X	-	-	-
3	NAP	142-A	202	X	-	-	-
3	NAP	143-A	202	X	-	-	-
3	NAP	154-A	202	X	-	-	-
3	NAP	163-A	202	X	-	-	-
3	NAP	164-A	202	X	-	-	-
3	NAP	178-A	202	X	-	-	-
3	NAP	179-A	202	X	-	-	-
3	NAP	18-A	202	X	-	-	-
3	NAP	191-A	202	X	-	-	-
3	NAP	192-A	202	X	-	-	-
3	NAP	2-A	202	X	-	-	-
3	NAP	205-A	202	X	-	-	-
3	NAP	212-A	202	X	-	-	-
3	NAP	213-A	202	X	-	-	-
3	NAP	222-A	202	X	-	-	-
3	NAP	223-A	202	X	-	-	-
3	NAP	235-A	202	X	-	-	-
3	NAP	236-A	202	X	-	-	-
3	NAP	237-A	202	X	-	-	-
3	NAP	238-A	202	X	-	-	-
3	NAP	239-A	202	X	-	-	-
3	NAP	29-A	202	X	-	-	-

*Continued on next page...*

*Continued from previous page...*

<b>Mol</b>	<b>Type</b>	<b>Chain</b>	<b>Res</b>	<b>Chirality</b>	<b>Geometry</b>	<b>Clashes</b>	<b>Electron density</b>
3	NAP	30-A	202	X	-	-	-
3	NAP	41-A	202	X	-	-	-
3	NAP	45-A	202	X	-	-	-
3	NAP	55-A	202	X	-	-	-
3	NAP	62-A	202	X	-	-	-
3	NAP	63-A	202	X	-	-	-
3	NAP	74-A	202	X	-	-	-
3	NAP	85-A	202	X	-	-	-
3	NAP	95-A	202	X	-	-	-
3	NAP	96-A	202	X	-	-	-

## 2 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 699653 atoms, of which 315500 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 Dihydrofolate reductase.

Mol	Chain	Residues	Atoms							ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S				
1	1-A	159	2492	805	1224	217	239	7	0	0	0	
1	2-A	159	2492	805	1224	217	239	7	0	0	0	
1	3-A	159	2492	805	1224	217	239	7	0	0	0	
1	4-A	159	2492	805	1224	217	239	7	0	0	0	
1	5-A	159	2492	805	1224	217	239	7	0	0	0	
1	6-A	159	2492	805	1224	217	239	7	0	0	0	
1	7-A	159	2492	805	1224	217	239	7	0	0	0	
1	8-A	159	2492	805	1224	217	239	7	0	0	0	
1	9-A	159	2492	805	1224	217	239	7	0	0	0	
1	10-A	159	2492	805	1224	217	239	7	0	0	0	
1	11-A	159	2492	805	1224	217	239	7	0	0	0	
1	12-A	159	2492	805	1224	217	239	7	0	0	0	
1	13-A	159	2492	805	1224	217	239	7	0	0	0	
1	14-A	159	2492	805	1224	217	239	7	0	0	0	
1	15-A	159	2492	805	1224	217	239	7	0	0	0	
1	16-A	159	2492	805	1224	217	239	7	0	0	0	

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	17-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	18-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	19-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	20-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	21-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	22-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	23-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	24-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	25-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	26-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	27-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	28-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	29-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	30-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	31-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	32-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	33-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	34-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	35-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	36-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	37-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	38-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	39-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	40-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	41-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	42-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	43-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	44-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	45-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	46-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	47-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	48-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	49-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	50-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	51-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	52-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	53-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	54-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	55-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	56-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	57-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	58-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	59-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	60-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	61-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	62-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	63-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	64-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	65-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	66-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	67-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	68-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	69-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	70-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	71-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	72-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	73-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	74-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	75-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	76-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	77-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	78-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	79-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	80-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	81-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	82-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	83-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	84-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	85-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	86-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	87-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	88-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	89-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	90-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	91-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	92-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	93-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	94-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	95-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	96-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	97-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	98-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	99-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	100-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	101-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	102-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	103-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	104-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	105-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	106-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	107-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	108-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	109-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	110-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	111-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	112-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	113-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	114-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	115-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	116-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	117-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	118-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	119-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	120-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	121-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	122-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	123-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	124-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	125-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	126-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	127-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	128-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	129-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	130-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	131-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	132-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	133-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	134-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	135-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	136-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	137-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	138-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	139-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	140-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	141-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	142-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	143-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	144-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	145-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	146-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	147-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	148-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	149-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	150-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	151-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	152-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	153-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	154-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	155-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	156-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	157-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	158-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	159-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	160-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	161-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	162-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	163-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	164-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	165-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	166-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	167-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	168-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	169-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	170-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	171-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	172-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	173-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	174-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	175-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	176-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	177-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	178-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	179-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	180-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	181-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	182-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	183-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	184-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	185-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	186-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	187-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	188-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	189-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	190-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	191-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	192-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	193-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	194-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	195-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	196-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	197-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	198-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	199-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	200-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	201-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	202-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	203-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	204-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	205-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	206-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	207-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	208-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	209-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	210-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	211-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	212-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	213-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	214-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	215-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	216-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	217-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	218-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	219-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	220-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	221-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	222-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	223-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	224-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	225-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	226-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

*Continued from previous page...*

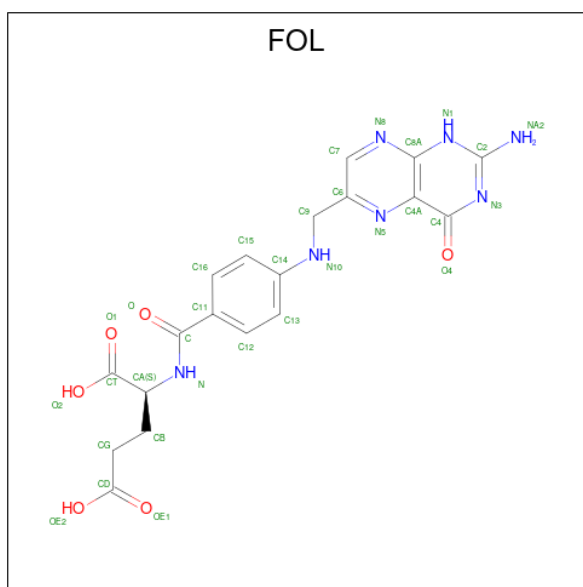
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	227-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	228-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	229-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	230-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	231-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	232-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	233-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	234-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	235-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	236-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	237-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	238-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	239-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	240-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	241-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	242-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	243-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	244-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	245-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	246-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	247-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

*Continued on next page...*

Continued from previous page...

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
1	248-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	249-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			
1	250-A	159	Total	C	H	N	O	S	0	0	0
			2492	805	1224	217	239	7			

- Molecule 2 is FOLIC ACID (three-letter code: FOL) (formula: C<sub>19</sub>H<sub>19</sub>N<sub>7</sub>O<sub>6</sub>).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	1-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	2-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	3-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	4-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	5-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	6-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	7-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	8-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

Continued on next page...



*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	9-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	10-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	11-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	12-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	13-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	14-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	15-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	16-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	17-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	18-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	19-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	20-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	21-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	22-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	23-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	24-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	25-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	26-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	27-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	28-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	29-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	30-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	31-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	32-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	33-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	34-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	35-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	36-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	37-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	38-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	39-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	40-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	41-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	42-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	43-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	44-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	45-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	46-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	47-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	48-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	49-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	50-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	51-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	52-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	53-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	54-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	55-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	56-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	57-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	58-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	59-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	60-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	61-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	62-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	63-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	64-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	65-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	66-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	67-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	68-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	69-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	70-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	71-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	72-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	73-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	74-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	75-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	76-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	77-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	78-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	79-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	80-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	81-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	82-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	83-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	84-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	85-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	86-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	87-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	88-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	89-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	90-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	91-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	92-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	93-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	94-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	95-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	96-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	97-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	98-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	99-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	100-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	101-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	102-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	103-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	104-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	105-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	106-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	107-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	108-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	109-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	110-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	111-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	112-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	113-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	114-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	115-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	116-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	117-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	118-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	119-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	120-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	121-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	122-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	123-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	124-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	125-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	126-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	127-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	128-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	129-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	130-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	131-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	132-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	133-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	134-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	135-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	136-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	137-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	138-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	139-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	140-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	141-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	142-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	143-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	144-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	145-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	146-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	147-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	148-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	149-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	150-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	151-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	152-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	153-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	154-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	155-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	156-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	157-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	158-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	159-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	160-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	161-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	162-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	163-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	164-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	165-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	166-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	167-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	168-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	169-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	170-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	171-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	172-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	173-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	174-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	175-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	176-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	177-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	178-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	179-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	180-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	181-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	182-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	183-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	184-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	185-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	186-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	187-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	188-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	189-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	190-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	191-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	192-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	193-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	194-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	195-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	196-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	197-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	198-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	199-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	200-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	201-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	202-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	203-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	204-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	205-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	206-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	207-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	208-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	209-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	210-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	211-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	212-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	213-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	214-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	215-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	216-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	217-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	218-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

*Continued from previous page...*

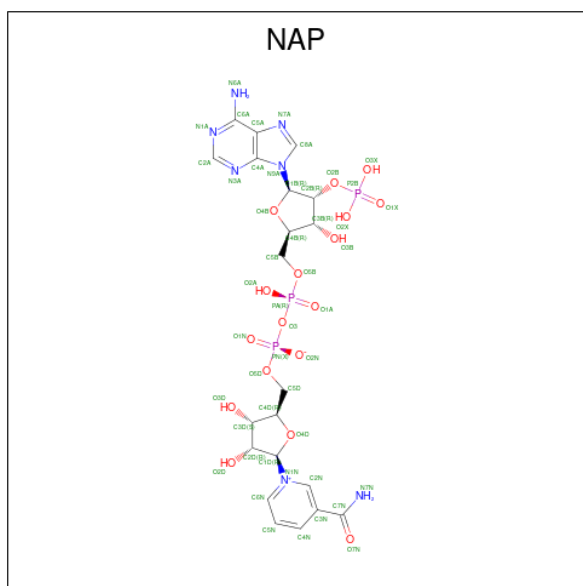
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	219-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	220-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	221-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	222-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	223-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	224-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	225-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	226-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	227-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	228-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	229-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	230-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	231-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	232-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	233-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	234-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	235-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	236-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	237-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	238-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	239-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

*Continued on next page...*

Continued from previous page...

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	
2	240-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	241-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	242-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	243-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	244-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	245-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	246-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	247-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	248-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	249-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		
2	250-A	1	Total	C	H	N	O	0	0
			49	19	17	7	6		

- Molecule 3 is NADP NICOTINAMIDE-ADENINE-DINUCLEOTIDE PHOSPHATE (three-letter code: NAP) (formula:  $C_{21}H_{28}N_7O_{17}P_3$ ).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	1-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	2-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	3-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	4-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	5-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	6-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	7-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	8-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	9-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	10-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	11-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	12-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	13-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	14-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	15-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	16-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	17-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	18-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	19-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	20-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	21-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	22-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

Continued on next page...

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
			Total	C	H	N	O			P
3	23-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	24-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	25-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	26-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	27-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	28-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	29-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	30-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	31-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	32-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	33-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	34-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	35-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	36-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	37-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	38-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	39-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	40-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	41-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	42-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	43-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	44-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	45-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	46-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	47-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	48-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	49-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	50-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	51-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	52-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	53-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	54-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	55-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	56-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	57-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	58-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	59-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	60-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	61-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	62-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	63-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	64-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	65-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	66-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	67-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	68-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	69-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	70-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	71-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	72-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	73-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	74-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	75-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	76-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	77-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	78-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	79-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	80-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	81-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	82-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	83-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	84-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	85-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	86-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	87-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	88-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	89-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	90-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	91-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	92-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	93-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	94-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	95-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	96-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	97-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	98-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	99-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	100-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	101-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	102-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	103-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	104-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	105-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	106-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
			Total	C	H	N	O			P
3	107-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	108-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	109-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	110-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	111-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	112-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	113-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	114-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	115-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	116-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	117-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	118-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	119-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	120-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	121-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	122-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	123-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	124-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	125-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	126-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0
3	127-A	1	Total 69	C 21	H 21	N 7	O 17	P 3	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	128-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	129-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	130-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	131-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	132-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	133-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	134-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	135-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	136-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	137-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	138-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	139-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	140-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	141-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	142-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	143-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	144-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	145-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	146-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	147-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	148-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	149-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	150-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	151-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	152-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	153-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	154-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	155-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	156-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	157-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	158-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	159-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	160-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	161-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	162-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	163-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	164-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	165-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	166-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	167-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	168-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	169-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	170-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	171-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	172-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	173-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	174-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	175-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	176-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	177-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	178-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	179-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	180-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	181-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	182-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	183-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	184-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	185-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	186-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	187-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	188-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	189-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	190-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	191-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	192-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	193-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	194-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	195-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	196-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	197-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	198-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	199-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	200-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	201-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	202-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	203-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	204-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	205-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	206-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	207-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	208-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	209-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	210-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	211-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	212-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	213-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	214-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	215-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	216-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	217-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	218-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	219-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	220-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	221-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	222-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	223-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	224-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	225-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	226-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	227-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	228-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	229-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	230-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	231-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	232-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	
3	233-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	234-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	235-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	236-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	237-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	238-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	239-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	240-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	241-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	242-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	243-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	244-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	245-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	246-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	247-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	248-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	249-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		
3	250-A	1	Total	C	H	N	O	P	0	0
			69	21	21	7	17	3		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	1-A	200	Total	O	0	0
			200	200		

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	2-A	206	Total 206	O 206	0	0
4	3-A	185	Total 185	O 185	0	0
4	4-A	175	Total 175	O 175	0	0
4	5-A	186	Total 186	O 186	0	0
4	6-A	185	Total 185	O 185	0	0
4	7-A	202	Total 202	O 202	0	0
4	8-A	200	Total 200	O 200	0	0
4	9-A	201	Total 201	O 201	0	0
4	10-A	204	Total 204	O 204	0	0
4	11-A	205	Total 205	O 205	0	0
4	12-A	197	Total 197	O 197	0	0
4	13-A	192	Total 192	O 192	0	0
4	14-A	189	Total 189	O 189	0	0
4	15-A	173	Total 173	O 173	0	0
4	16-A	176	Total 176	O 176	0	0
4	17-A	188	Total 188	O 188	0	0
4	18-A	195	Total 195	O 195	0	0
4	19-A	196	Total 196	O 196	0	0
4	20-A	211	Total 211	O 211	0	0
4	21-A	189	Total 189	O 189	0	0
4	22-A	191	Total 191	O 191	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	23-A	173	Total 173	O 173	0	0
4	24-A	183	Total 183	O 183	0	0
4	25-A	174	Total 174	O 174	0	0
4	26-A	195	Total 195	O 195	0	0
4	27-A	188	Total 188	O 188	0	0
4	28-A	181	Total 181	O 181	0	0
4	29-A	183	Total 183	O 183	0	0
4	30-A	186	Total 186	O 186	0	0
4	31-A	191	Total 191	O 191	0	0
4	32-A	187	Total 187	O 187	0	0
4	33-A	190	Total 190	O 190	0	0
4	34-A	194	Total 194	O 194	0	0
4	35-A	201	Total 201	O 201	0	0
4	36-A	197	Total 197	O 197	0	0
4	37-A	196	Total 196	O 196	0	0
4	38-A	203	Total 203	O 203	0	0
4	39-A	181	Total 181	O 181	0	0
4	40-A	171	Total 171	O 171	0	0
4	41-A	179	Total 179	O 179	0	0
4	42-A	176	Total 176	O 176	0	0
4	43-A	176	Total 176	O 176	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	44-A	183	Total 183	O 183	0	0
4	45-A	187	Total 187	O 187	0	0
4	46-A	197	Total 197	O 197	0	0
4	47-A	191	Total 191	O 191	0	0
4	48-A	184	Total 184	O 184	0	0
4	49-A	195	Total 195	O 195	0	0
4	50-A	189	Total 189	O 189	0	0
4	51-A	198	Total 198	O 198	0	0
4	52-A	190	Total 190	O 190	0	0
4	53-A	182	Total 182	O 182	0	0
4	54-A	180	Total 180	O 180	0	0
4	55-A	185	Total 185	O 185	0	0
4	56-A	184	Total 184	O 184	0	0
4	57-A	191	Total 191	O 191	0	0
4	58-A	187	Total 187	O 187	0	0
4	59-A	192	Total 192	O 192	0	0
4	60-A	173	Total 173	O 173	0	0
4	61-A	186	Total 186	O 186	0	0
4	62-A	201	Total 201	O 201	0	0
4	63-A	201	Total 201	O 201	0	0
4	64-A	188	Total 188	O 188	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	65-A	187	Total 187	O 187	0	0
4	66-A	174	Total 174	O 174	0	0
4	67-A	184	Total 184	O 184	0	0
4	68-A	178	Total 178	O 178	0	0
4	69-A	173	Total 173	O 173	0	0
4	70-A	171	Total 171	O 171	0	0
4	71-A	171	Total 171	O 171	0	0
4	72-A	196	Total 196	O 196	0	0
4	73-A	207	Total 207	O 207	0	0
4	74-A	191	Total 191	O 191	0	0
4	75-A	193	Total 193	O 193	0	0
4	76-A	182	Total 182	O 182	0	0
4	77-A	176	Total 176	O 176	0	0
4	78-A	184	Total 184	O 184	0	0
4	79-A	193	Total 193	O 193	0	0
4	80-A	201	Total 201	O 201	0	0
4	81-A	187	Total 187	O 187	0	0
4	82-A	175	Total 175	O 175	0	0
4	83-A	175	Total 175	O 175	0	0
4	84-A	172	Total 172	O 172	0	0
4	85-A	186	Total 186	O 186	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	86-A	199	Total 199	O 199	0	0
4	87-A	200	Total 200	O 200	0	0
4	88-A	191	Total 191	O 191	0	0
4	89-A	189	Total 189	O 189	0	0
4	90-A	180	Total 180	O 180	0	0
4	91-A	190	Total 190	O 190	0	0
4	92-A	181	Total 181	O 181	0	0
4	93-A	177	Total 177	O 177	0	0
4	94-A	189	Total 189	O 189	0	0
4	95-A	173	Total 173	O 173	0	0
4	96-A	182	Total 182	O 182	0	0
4	97-A	188	Total 188	O 188	0	0
4	98-A	191	Total 191	O 191	0	0
4	99-A	198	Total 198	O 198	0	0
4	100-A	200	Total 200	O 200	0	0
4	101-A	204	Total 204	O 204	0	0
4	102-A	189	Total 189	O 189	0	0
4	103-A	211	Total 211	O 211	0	0
4	104-A	202	Total 202	O 202	0	0
4	105-A	196	Total 196	O 196	0	0
4	106-A	189	Total 189	O 189	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	107-A	179	Total 179	O 179	0	0
4	108-A	185	Total 185	O 185	0	0
4	109-A	186	Total 186	O 186	0	0
4	110-A	186	Total 186	O 186	0	0
4	111-A	181	Total 181	O 181	0	0
4	112-A	175	Total 175	O 175	0	0
4	113-A	183	Total 183	O 183	0	0
4	114-A	189	Total 189	O 189	0	0
4	115-A	183	Total 183	O 183	0	0
4	116-A	194	Total 194	O 194	0	0
4	117-A	190	Total 190	O 190	0	0
4	118-A	194	Total 194	O 194	0	0
4	119-A	194	Total 194	O 194	0	0
4	120-A	204	Total 204	O 204	0	0
4	121-A	191	Total 191	O 191	0	0
4	122-A	192	Total 192	O 192	0	0
4	123-A	195	Total 195	O 195	0	0
4	124-A	186	Total 186	O 186	0	0
4	125-A	185	Total 185	O 185	0	0
4	126-A	178	Total 178	O 178	0	0
4	127-A	185	Total 185	O 185	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	128-A	175	Total 175	O 175	0	0
4	129-A	180	Total 180	O 180	0	0
4	130-A	186	Total 186	O 186	0	0
4	131-A	201	Total 201	O 201	0	0
4	132-A	205	Total 205	O 205	0	0
4	133-A	205	Total 205	O 205	0	0
4	134-A	209	Total 209	O 209	0	0
4	135-A	195	Total 195	O 195	0	0
4	136-A	205	Total 205	O 205	0	0
4	137-A	190	Total 190	O 190	0	0
4	138-A	174	Total 174	O 174	0	0
4	139-A	186	Total 186	O 186	0	0
4	140-A	186	Total 186	O 186	0	0
4	141-A	196	Total 196	O 196	0	0
4	142-A	203	Total 203	O 203	0	0
4	143-A	192	Total 192	O 192	0	0
4	144-A	187	Total 187	O 187	0	0
4	145-A	176	Total 176	O 176	0	0
4	146-A	176	Total 176	O 176	0	0
4	147-A	162	Total 162	O 162	0	0
4	148-A	163	Total 163	O 163	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	149-A	178	Total 178	O 178	0	0
4	150-A	190	Total 190	O 190	0	0
4	151-A	204	Total 204	O 204	0	0
4	152-A	187	Total 187	O 187	0	0
4	153-A	191	Total 191	O 191	0	0
4	154-A	190	Total 190	O 190	0	0
4	155-A	187	Total 187	O 187	0	0
4	156-A	190	Total 190	O 190	0	0
4	157-A	193	Total 193	O 193	0	0
4	158-A	181	Total 181	O 181	0	0
4	159-A	176	Total 176	O 176	0	0
4	160-A	185	Total 185	O 185	0	0
4	161-A	187	Total 187	O 187	0	0
4	162-A	196	Total 196	O 196	0	0
4	163-A	204	Total 204	O 204	0	0
4	164-A	198	Total 198	O 198	0	0
4	165-A	215	Total 215	O 215	0	0
4	166-A	194	Total 194	O 194	0	0
4	167-A	175	Total 175	O 175	0	0
4	168-A	176	Total 176	O 176	0	0
4	169-A	184	Total 184	O 184	0	0

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	170-A	190	Total 190	O 190	0	0
4	171-A	187	Total 187	O 187	0	0
4	172-A	187	Total 187	O 187	0	0
4	173-A	191	Total 191	O 191	0	0
4	174-A	199	Total 199	O 199	0	0
4	175-A	196	Total 196	O 196	0	0
4	176-A	194	Total 194	O 194	0	0
4	177-A	203	Total 203	O 203	0	0
4	178-A	188	Total 188	O 188	0	0
4	179-A	175	Total 175	O 175	0	0
4	180-A	169	Total 169	O 169	0	0
4	181-A	192	Total 192	O 192	0	0
4	182-A	187	Total 187	O 187	0	0
4	183-A	185	Total 185	O 185	0	0
4	184-A	179	Total 179	O 179	0	0
4	185-A	197	Total 197	O 197	0	0
4	186-A	187	Total 187	O 187	0	0
4	187-A	191	Total 191	O 191	0	0
4	188-A	203	Total 203	O 203	0	0
4	189-A	209	Total 209	O 209	0	0
4	190-A	197	Total 197	O 197	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	191-A	179	Total 179	O 179	0	0
4	192-A	185	Total 185	O 185	0	0
4	193-A	183	Total 183	O 183	0	0
4	194-A	182	Total 182	O 182	0	0
4	195-A	173	Total 173	O 173	0	0
4	196-A	184	Total 184	O 184	0	0
4	197-A	181	Total 181	O 181	0	0
4	198-A	181	Total 181	O 181	0	0
4	199-A	184	Total 184	O 184	0	0
4	200-A	192	Total 192	O 192	0	0
4	201-A	207	Total 207	O 207	0	0
4	202-A	194	Total 194	O 194	0	0
4	203-A	184	Total 184	O 184	0	0
4	204-A	182	Total 182	O 182	0	0
4	205-A	193	Total 193	O 193	0	0
4	206-A	190	Total 190	O 190	0	0
4	207-A	180	Total 180	O 180	0	0
4	208-A	178	Total 178	O 178	0	0
4	209-A	185	Total 185	O 185	0	0
4	210-A	184	Total 184	O 184	0	0
4	211-A	184	Total 184	O 184	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	212-A	191	Total 191	O 191	0	0
4	213-A	202	Total 202	O 202	0	0
4	214-A	190	Total 190	O 190	0	0
4	215-A	193	Total 193	O 193	0	0
4	216-A	195	Total 195	O 195	0	0
4	217-A	197	Total 197	O 197	0	0
4	218-A	197	Total 197	O 197	0	0
4	219-A	192	Total 192	O 192	0	0
4	220-A	177	Total 177	O 177	0	0
4	221-A	183	Total 183	O 183	0	0
4	222-A	182	Total 182	O 182	0	0
4	223-A	181	Total 181	O 181	0	0
4	224-A	203	Total 203	O 203	0	0
4	225-A	205	Total 205	O 205	0	0
4	226-A	202	Total 202	O 202	0	0
4	227-A	189	Total 189	O 189	0	0
4	228-A	162	Total 162	O 162	0	0
4	229-A	180	Total 180	O 180	0	0
4	230-A	174	Total 174	O 174	0	0
4	231-A	206	Total 206	O 206	0	0
4	232-A	211	Total 211	O 211	0	0

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	233-A	195	Total 195	O 195	0	0
4	234-A	184	Total 184	O 184	0	0
4	235-A	167	Total 167	O 167	0	0
4	236-A	172	Total 172	O 172	0	0
4	237-A	184	Total 184	O 184	0	0
4	238-A	198	Total 198	O 198	0	0
4	239-A	194	Total 194	O 194	0	0
4	240-A	206	Total 206	O 206	0	0
4	241-A	208	Total 208	O 208	0	0
4	242-A	179	Total 179	O 179	0	0
4	243-A	184	Total 184	O 184	0	0
4	244-A	181	Total 181	O 181	0	0
4	245-A	178	Total 178	O 178	0	0
4	246-A	197	Total 197	O 197	0	0
4	247-A	186	Total 186	O 186	0	0
4	248-A	182	Total 182	O 182	0	0
4	249-A	195	Total 195	O 195	0	0
4	250-A	202	Total 202	O 202	0	0

MolProbity and EDS failed to run properly - this section is therefore empty.

### 3 Data and refinement statistics i

EDS failed to run properly - this section is therefore incomplete.

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	34.04Å 44.82Å 98.20Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	40.77 – 1.15	Depositor
% Data completeness (in resolution range)	94.4 (40.77-1.15)	Depositor
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	4.99 (at 1.15Å)	Xtrriage
Refinement program	PHENIX (phenix.ensemble_refinement: 1.8.4_1496)	Depositor
R, $R_{free}$	0.109 , 0.136	Depositor
Wilson B-factor (Å <sup>2</sup> )	6.9	Xtrriage
Anisotropy	0.279	Xtrriage
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.48$ , $\langle L^2 \rangle = 0.31$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
Total number of atoms	699653	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	5.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 11.90% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

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

## 4 Model quality [i](#)

### 4.1 Standard geometry [i](#)

MolProbity failed to run properly - this section is therefore empty.

### 4.2 Too-close contacts [i](#)

MolProbity failed to run properly - this section is therefore empty.

### 4.3 Torsion angles [i](#)

#### 4.3.1 Protein backbone [i](#)

MolProbity failed to run properly - this section is therefore empty.

#### 4.3.2 Protein sidechains [i](#)

MolProbity failed to run properly - this section is therefore empty.

#### 4.3.3 RNA [i](#)

MolProbity failed to run properly - this section is therefore empty.

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

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

### 4.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

### 4.6 Ligand geometry [i](#)

500 ligands are modelled in this entry.

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
3	NAP	1-A	202	-	1/1/12/12	-	-
3	NAP	30-A	202	-	1/1/12/12	-	-
3	NAP	120-A	202	-	1/1/12/12	-	-
3	NAP	2-A	202	-	1/1/12/12	-	-
3	NAP	62-A	202	-	1/1/12/12	-	-
3	NAP	18-A	202	-	1/1/12/12	-	-
3	NAP	141-A	202	-	1/1/12/12	-	-
3	NAP	236-A	202	-	1/1/12/12	-	-
3	NAP	192-A	202	-	1/1/12/12	-	-
3	NAP	212-A	202	-	1/1/12/12	-	-
3	NAP	142-A	202	-	1/1/12/12	-	-
3	NAP	213-A	202	-	1/1/12/12	-	-
3	NAP	238-A	202	-	1/1/12/12	-	-
3	NAP	95-A	202	-	1/1/12/12	-	-
3	NAP	55-A	202	-	1/1/12/12	-	-
3	NAP	179-A	202	-	1/1/12/12	-	-
3	NAP	132-A	202	-	1/1/12/12	-	-
3	NAP	45-A	202	-	1/1/12/12	-	-
3	NAP	235-A	202	-	1/1/12/12	-	-
3	NAP	63-A	202	-	1/1/12/12	-	-
3	NAP	154-A	202	-	1/1/12/12	-	-
3	NAP	205-A	202	-	1/1/12/12	-	-
3	NAP	239-A	202	-	1/1/12/12	-	-
3	NAP	29-A	202	-	1/1/12/12	-	-
3	NAP	237-A	202	-	1/1/12/12	-	-
3	NAP	41-A	202	-	1/1/12/12	-	-
3	NAP	96-A	202	-	1/1/12/12	-	-
3	NAP	178-A	202	-	1/1/12/12	-	-
3	NAP	222-A	202	-	1/1/12/12	-	-
3	NAP	74-A	202	-	1/1/12/12	-	-
3	NAP	191-A	202	-	1/1/12/12	-	-
3	NAP	164-A	202	-	1/1/12/12	-	-
3	NAP	143-A	202	-	1/1/12/12	-	-
3	NAP	85-A	202	-	1/1/12/12	-	-
3	NAP	163-A	202	-	1/1/12/12	-	-
3	NAP	119-A	202	-	1/1/12/12	-	-
3	NAP	109-A	202	-	1/1/12/12	-	-
3	NAP	103-A	202	-	1/1/12/12	-	-
3	NAP	118-A	202	-	1/1/12/12	-	-
3	NAP	223-A	202	-	1/1/12/12	-	-

There are no bond length outliers.

There are no bond angle outliers.

5 of 40 chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
3	1-A	202	NAP	C3B
3	2-A	202	NAP	C3B
3	18-A	202	NAP	C3B
3	29-A	202	NAP	C3B
3	30-A	202	NAP	C3B

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

#### 4.7 Other polymers [i](#)

There are no such residues in this entry.

#### 4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.



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

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

EDS failed to run properly - this section is therefore empty.

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

EDS failed to run properly - this section is therefore empty.

### 5.3 Carbohydrates [i](#)

EDS failed to run properly - this section is therefore empty.

### 5.4 Ligands [i](#)

EDS failed to run properly - this section is therefore empty.

### 5.5 Other polymers [i](#)

EDS failed to run properly - this section is therefore empty.