



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 17, 2026 – 04:35 AM UTC

PDB ID : 4V63 / pdb_00004v63
Title : Structural basis for translation termination on the 70S ribosome.
Authors : Laurberg, M.; Asahara, H.; Korostelev, A.; Zhu, J.; Trakhanov, S.; Noller, H.F.
Deposited on : 2008-05-16
Resolution : 3.21 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	:	FAILED
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.48.1

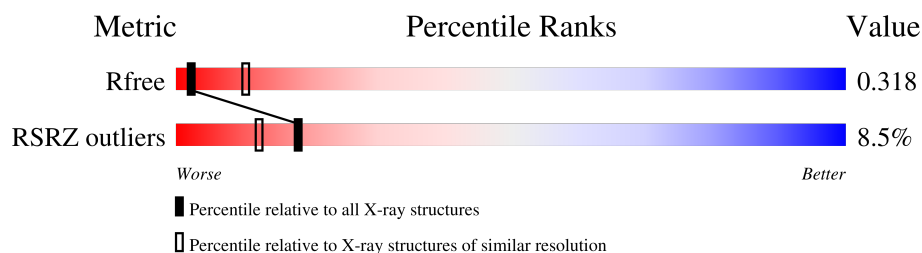
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.21 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}	164625	1370 (3.20-3.20)
RSRZ outliers	164620	1371 (3.20-3.20)

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

2 Entry composition

There are 57 unique types of molecules in this entry. The entry contains 299961 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a RNA chain called 16S RRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	AA	1504	Total	C	N	O	P	0	0	0
			32332	14391	5994	10444	1503			
1	CA	1504	Total	C	N	O	P	0	0	0
			32332	14391	5994	10444	1503			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AA	466	G	C	conflict	GB 155076
CA	466	G	C	conflict	GB 155076

- Molecule 2 is a RNA chain called P and E-site tRNA(fMet).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	AZ	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
2	AY	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
2	CZ	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			
2	CY	77	Total	C	N	O	P	0	0	0
			1640	732	297	535	76			

- Molecule 3 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	AV	12	Total	C	N	O	P	0	0	0
			258	118	54	75	11			
3	CV	12	Total	C	N	O	P	0	0	0
			258	118	54	75	11			

- Molecule 4 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	AB	234	Total	C	N	O	S	0	0	0
			1900	1213	341	341	5			
4	CB	234	Total	C	N	O	S	0	0	0
			1900	1213	341	341	5			

- Molecule 5 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	AC	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			
5	CC	206	Total	C	N	O	S	0	0	0
			1612	1016	314	281	1			

- Molecule 6 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	AD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			
6	CD	208	Total	C	N	O	S	0	0	0
			1703	1066	339	291	7			

- Molecule 7 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	AE	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			
7	CE	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

- Molecule 8 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	AF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			
8	CF	101	Total	C	N	O	S	0	0	0
			843	531	155	154	3			

- Molecule 9 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	AG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	CG	155	Total	C	N	O	S	0	0	0
			1257	781	252	218	6			

- Molecule 10 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	AH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			
10	CH	138	Total	C	N	O	S	0	0	0
			1116	705	215	193	3			

- Molecule 11 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	AI	127	Total	C	N	O	S	0	0	0
			1011	639	198	174				
11	CI	127	Total	C	N	O	S	0	0	0
			1011	639	198	174				

- Molecule 12 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	AJ	98	Total	C	N	O	S	0	0	0
			794	499	156	138	1			
12	CJ	98	Total	C	N	O	S	0	0	0
			794	499	156	138	1			

- Molecule 13 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	AK	119	Total	C	N	O	S	0	0	0
			885	549	168	165	3			
13	CK	119	Total	C	N	O	S	0	0	0
			885	549	168	165	3			

- Molecule 14 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	AL	124	Total	C	N	O	S	0	0	0
			970	611	195	163	1			
14	CL	124	Total	C	N	O	S	0	0	0
			970	611	195	163	1			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
AL	2	ALA	-	insertion	UNP P61941
AL	3	LEU	-	insertion	UNP P61941
CL	2	ALA	-	insertion	UNP P61941
CL	3	LEU	-	insertion	UNP P61941

- Molecule 15 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	AM	117	Total	C	N	O	S	0	0	0
			933	577	192	162	2			
15	CM	117	Total	C	N	O	S	0	0	0
			933	577	192	162	2			

- Molecule 16 is a protein called 30S ribosomal protein S14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	AN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			
16	CN	60	Total	C	N	O	S	0	0	0
			492	312	104	72	4			

- Molecule 17 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	AO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			
17	CO	88	Total	C	N	O	S	0	0	0
			734	459	147	126	2			

- Molecule 18 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
18	AP	83	Total	C	N	O	S	0	0	0
			700	443	139	117	1			
18	CP	83	Total	C	N	O	S	0	0	0
			700	443	139	117	1			

- Molecule 19 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	AQ	99	Total	C	N	O	S	0	0	0
			823	528	152	141	2			
19	CQ	99	Total	C	N	O	S	0	0	0
			823	528	152	141	2			

- Molecule 20 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	AR	70	Total	C	N	O		0	0	0
			574	367	112	95				
20	CR	70	Total	C	N	O		0	0	0
			574	367	112	95				

- Molecule 21 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
21	AS	78	Total	C	N	O	S	0	0	0
			629	403	114	110	2			
21	CS	78	Total	C	N	O	S	0	0	0
			629	403	114	110	2			

- Molecule 22 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
22	AT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			
22	CT	99	Total	C	N	O	S	0	0	0
			762	469	162	129	2			

- Molecule 23 is a protein called 30S ribosomal protein Thx.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
23	AU	24	Total	C	N	O		0	0	0
			208	128	50	30				
23	CU	24	Total	C	N	O		0	0	0
			208	128	50	30				

- Molecule 24 is a protein called Peptide chain release factor 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AX	354	Total	C	N	O	S	0	0	0
			2813	1743	509	549	12			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	CX	354	Total	C	N	O	S	0	0	0
			2813	1743	509	549	12			

- Molecule 25 is a RNA chain called 23S rRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	BA	2879	Total	C	N	O	P	0	0	0
			61997	27594	11582	19943	2878			
25	DA	2879	Total	C	N	O	P	0	0	0
			61997	27594	11582	19943	2878			

- Molecule 26 is a RNA chain called 5S rRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	BB	119	Total	C	N	O	P	0	0	0
			2551	1136	471	826	118			
26	DB	119	Total	C	N	O	P	0	0	0
			2551	1136	471	826	118			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BB	-1	A	-	insertion	GB 48271
BB	120	U	-	insertion	GB 48271
BB	121	U	-	insertion	GB 48271
DB	-1	A	-	insertion	GB 48271
DB	120	U	-	insertion	GB 48271
DB	121	U	-	insertion	GB 48271

- Molecule 27 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	BD	271	Total	C	N	O	S	0	0	0
			2104	1329	416	356	3			
27	DD	271	Total	C	N	O	S	0	0	0
			2104	1329	416	356	3			

- Molecule 28 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	BE	204	Total	C	N	O	S	0	0	0
			1563	988	299	270	6			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	DE	204	Total	C	N	O	S	0	0	0
			1563	988	299	270	6			

- Molecule 29 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	BF	202	Total	C	N	O	S	0	0	0
			1586	1011	297	275	3			
29	DF	202	Total	C	N	O	S	0	0	0
			1586	1011	297	275	3			

There are 10 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BF	1	MET	-	insertion	UNP Q72I05
BF	2	LYS	-	insertion	UNP Q72I05
BF	3	GLU	-	insertion	UNP Q72I05
BF	4	VAL	-	insertion	UNP Q72I05
BF	5	ALA	-	insertion	UNP Q72I05
DF	1	MET	-	insertion	UNP Q72I05
DF	2	LYS	-	insertion	UNP Q72I05
DF	3	GLU	-	insertion	UNP Q72I05
DF	4	VAL	-	insertion	UNP Q72I05
DF	5	ALA	-	insertion	UNP Q72I05

- Molecule 30 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	BG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			
30	DG	181	Total	C	N	O	S	0	0	0
			1475	943	268	260	4			

- Molecule 31 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	BH	159	Total	C	N	O	S	0	0	0
			1222	773	228	220	1			
31	DH	159	Total	C	N	O	S	0	0	0
			1222	773	228	220	1			

- Molecule 32 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	BI	145	Total	C	N	O	S	0	0	0
			1132	724	200	207	1			
32	DI	145	Total	C	N	O	S	0	0	0
			1132	724	200	207	1			

- Molecule 33 is a protein called 50S ribosomal protein L10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BJ	32	Total	C	N	O		0	0	0
			253	157	49	47				
33	DJ	32	Total	C	N	O		0	0	0
			253	157	49	47				

- Molecule 34 is a protein called 50S ribosomal protein L13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	BN	137	Total	C	N	O	S	0	0	0
			1096	707	205	181	3			
34	DN	137	Total	C	N	O	S	0	0	0
			1096	707	205	181	3			

There are 46 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BN	2	VAL	-	insertion	UNP Q72IN1
BN	3	LYS	-	insertion	UNP Q72IN1
BN	4	SER	-	insertion	UNP Q72IN1
BN	5	SER	-	insertion	UNP Q72IN1
BN	6	LEU	-	insertion	UNP Q72IN1
BN	7	ALA	-	insertion	UNP Q72IN1
BN	8	PHE	-	insertion	UNP Q72IN1
BN	9	LEU	-	insertion	UNP Q72IN1
BN	10	ARG	-	insertion	UNP Q72IN1
BN	11	GLY	-	insertion	UNP Q72IN1
BN	12	PRO	-	insertion	UNP Q72IN1
BN	13	PRO	-	insertion	UNP Q72IN1
BN	14	ILE	-	insertion	UNP Q72IN1
BN	15	PRO	-	insertion	UNP Q72IN1
BN	16	ARG	-	insertion	UNP Q72IN1
BN	17	GLN	-	insertion	UNP Q72IN1
BN	18	GLU	-	insertion	UNP Q72IN1
BN	19	GLN	-	insertion	UNP Q72IN1
BN	20	ARG	-	insertion	UNP Q72IN1

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Chain	Residue	Modelled	Actual	Comment	Reference
BN	21	ARG	-	insertion	UNP Q72IN1
BN	22	ALA	-	insertion	UNP Q72IN1
BN	23	LEU	-	insertion	UNP Q72IN1
BN	24	VAL	-	insertion	UNP Q72IN1
DN	2	VAL	-	insertion	UNP Q72IN1
DN	3	LYS	-	insertion	UNP Q72IN1
DN	4	SER	-	insertion	UNP Q72IN1
DN	5	SER	-	insertion	UNP Q72IN1
DN	6	LEU	-	insertion	UNP Q72IN1
DN	7	ALA	-	insertion	UNP Q72IN1
DN	8	PHE	-	insertion	UNP Q72IN1
DN	9	LEU	-	insertion	UNP Q72IN1
DN	10	ARG	-	insertion	UNP Q72IN1
DN	11	GLY	-	insertion	UNP Q72IN1
DN	12	PRO	-	insertion	UNP Q72IN1
DN	13	PRO	-	insertion	UNP Q72IN1
DN	14	ILE	-	insertion	UNP Q72IN1
DN	15	PRO	-	insertion	UNP Q72IN1
DN	16	ARG	-	insertion	UNP Q72IN1
DN	17	GLN	-	insertion	UNP Q72IN1
DN	18	GLU	-	insertion	UNP Q72IN1
DN	19	GLN	-	insertion	UNP Q72IN1
DN	20	ARG	-	insertion	UNP Q72IN1
DN	21	ARG	-	insertion	UNP Q72IN1
DN	22	ALA	-	insertion	UNP Q72IN1
DN	23	LEU	-	insertion	UNP Q72IN1
DN	24	VAL	-	insertion	UNP Q72IN1

- Molecule 35 is a protein called 50S ribosomal protein L14.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
35	BO	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			
35	DO	122	Total	C	N	O	S	0	0	0
			932	587	171	170	4			

- Molecule 36 is a protein called 50S ribosomal protein L15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	BP	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
36	DP	146	Total	C	N	O	S	0	0	0
			1114	692	227	193	2			

- Molecule 37 is a protein called 50S ribosomal protein L16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	BQ	136	Total	C	N	O	S	0	0	0
			1079	688	204	182	5			
37	DQ	136	Total	C	N	O	S	0	0	0
			1079	688	204	182	5			

- Molecule 38 is a protein called 50S ribosomal protein L17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
38	BR	117	Total	C	N	O		0	0	0
			960	599	202	159				
38	DR	117	Total	C	N	O		0	0	0
			960	599	202	159				

- Molecule 39 is a protein called 50S ribosomal protein L18.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
39	BS	98	Total	C	N	O		0	0	0
			770	486	154	130				
39	DS	98	Total	C	N	O		0	0	0
			770	486	154	130				

- Molecule 40 is a protein called 50S ribosomal protein L19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	BT	137	Total	C	N	O	S	0	0	0
			1143	713	234	195	1			
40	DT	137	Total	C	N	O	S	0	0	0
			1143	713	234	195	1			

- Molecule 41 is a protein called 50S ribosomal protein L20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	BU	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			
41	DU	117	Total	C	N	O	S	0	0	0
			964	610	202	151	1			

- Molecule 42 is a protein called 50S ribosomal protein L21.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	BV	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			
42	DV	101	Total	C	N	O	S	0	0	0
			779	501	142	135	1			

- Molecule 43 is a protein called 50S ribosomal protein L22.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	BW	112	Total	C	N	O	S	0	0	0
			890	560	175	153	2			
43	DW	112	Total	C	N	O	S	0	0	0
			890	560	175	153	2			

- Molecule 44 is a protein called 50S ribosomal protein L23.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
44	BX	92	Total	C	N	O	0	0	0
			725	471	131	123			
44	DX	92	Total	C	N	O	0	0	0
			725	471	131	123			

- Molecule 45 is a protein called 50S ribosomal protein L24.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
45	BY	100	Total	C	N	O	S	0	0	0
			775	500	148	123	4			
45	DY	100	Total	C	N	O	S	0	0	0
			775	500	148	123	4			

- Molecule 46 is a protein called 50S ribosomal protein L25.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	BZ	188	Total	C	N	O	S	0	0	0
			1491	950	265	274	2			
46	DZ	188	Total	C	N	O	S	0	0	0
			1491	950	265	274	2			

- Molecule 47 is a protein called 50S ribosomal protein L27.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	B0	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			
47	D0	76	Total	C	N	O	S	0	0	0
			605	376	126	102	1			

- Molecule 48 is a protein called 50S ribosomal protein L28.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	B1	88	Total	C	N	O		0	0	0
			694	435	141	118				
48	D1	88	Total	C	N	O		0	0	0
			694	435	141	118				

- Molecule 49 is a protein called 50S ribosomal protein L29.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	B2	72	Total	C	N	O	S	0	0	0
			605	375	122	106	2			
49	D2	72	Total	C	N	O	S	0	0	0
			605	375	122	106	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
50	B3	59	Total	C	N	O	S	0	0	0
			467	298	90	78	1			
50	D3	59	Total	C	N	O	S	0	0	0
			467	298	90	78	1			

- Molecule 51 is a protein called 50S ribosomal protein L31.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
51	B4	30	Total	C	N	O	S	0	0	0
			225	142	36	43	4			
51	D4	30	Total	C	N	O	S	0	0	0
			225	142	36	43	4			

There are 52 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B4	2	PRO	-	insertion	UNP Q72JR0
B4	3	LEU	-	insertion	UNP Q72JR0
B4	4	GLY	-	insertion	UNP Q72JR0

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Chain	Residue	Modelled	Actual	Comment	Reference
B4	5	VAL	-	insertion	UNP Q72JR0
B4	6	HIS	-	insertion	UNP Q72JR0
B4	7	PRO	-	insertion	UNP Q72JR0
B4	8	LEU	-	insertion	UNP Q72JR0
B4	9	TYR	-	insertion	UNP Q72JR0
B4	10	THR	-	insertion	UNP Q72JR0
B4	11	LYS	-	insertion	UNP Q72JR0
B4	12	ARG	-	insertion	UNP Q72JR0
B4	13	TRP	-	insertion	UNP Q72JR0
B4	14	LEU	-	insertion	UNP Q72JR0
B4	15	ALA	-	insertion	UNP Q72JR0
B4	16	HIS	-	insertion	UNP Q72JR0
B4	17	GLY	-	insertion	UNP Q72JR0
B4	18	GLN	-	insertion	UNP Q72JR0
B4	19	ASP	-	insertion	UNP Q72JR0
B4	20	ARG	-	insertion	UNP Q72JR0
B4	21	ALA	-	insertion	UNP Q72JR0
B4	22	LYS	-	insertion	UNP Q72JR0
B4	23	LYS	-	insertion	UNP Q72JR0
B4	24	GLU	-	insertion	UNP Q72JR0
B4	25	ALA	-	insertion	UNP Q72JR0
B4	26	ASN	-	insertion	UNP Q72JR0
B4	27	VAL	-	insertion	UNP Q72JR0
D4	2	PRO	-	insertion	UNP Q72JR0
D4	3	LEU	-	insertion	UNP Q72JR0
D4	4	GLY	-	insertion	UNP Q72JR0
D4	5	VAL	-	insertion	UNP Q72JR0
D4	6	HIS	-	insertion	UNP Q72JR0
D4	7	PRO	-	insertion	UNP Q72JR0
D4	8	LEU	-	insertion	UNP Q72JR0
D4	9	TYR	-	insertion	UNP Q72JR0
D4	10	THR	-	insertion	UNP Q72JR0
D4	11	LYS	-	insertion	UNP Q72JR0
D4	12	ARG	-	insertion	UNP Q72JR0
D4	13	TRP	-	insertion	UNP Q72JR0
D4	14	LEU	-	insertion	UNP Q72JR0
D4	15	ALA	-	insertion	UNP Q72JR0
D4	16	HIS	-	insertion	UNP Q72JR0
D4	17	GLY	-	insertion	UNP Q72JR0
D4	18	GLN	-	insertion	UNP Q72JR0
D4	19	ASP	-	insertion	UNP Q72JR0
D4	20	ARG	-	insertion	UNP Q72JR0

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Chain	Residue	Modelled	Actual	Comment	Reference
D4	21	ALA	-	insertion	UNP Q72JR0
D4	22	LYS	-	insertion	UNP Q72JR0
D4	23	LYS	-	insertion	UNP Q72JR0
D4	24	GLU	-	insertion	UNP Q72JR0
D4	25	ALA	-	insertion	UNP Q72JR0
D4	26	ASN	-	insertion	UNP Q72JR0
D4	27	VAL	-	insertion	UNP Q72JR0

- Molecule 52 is a protein called 50S ribosomal protein L32.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
52	B5	52	Total	C	N	O	S	0	0	0
			404	255	79	65	5			
52	D5	52	Total	C	N	O	S	0	0	0
			404	255	79	65	5			

- Molecule 53 is a protein called 50S ribosomal protein L33.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
53	B6	44	Total	C	N	O	S	0	0	0
			380	235	77	64	4			
53	D6	44	Total	C	N	O	S	0	0	0
			380	235	77	64	4			

- Molecule 54 is a protein called 50S ribosomal protein L34.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
54	B7	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			
54	D7	48	Total	C	N	O	S	0	0	0
			418	257	104	55	2			

- Molecule 55 is a protein called 50S ribosomal protein L35.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
55	B8	63	Total	C	N	O	S	0	0	0
			507	326	101	78	2			
55	D8	63	Total	C	N	O	S	0	0	0
			507	326	101	78	2			

- Molecule 56 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
56	AA	310	Total Mg 310 310	0	0
56	AZ	6	Total Mg 6 6	0	0
56	AV	1	Total Mg 1 1	0	0
56	AY	25	Total Mg 25 25	0	0
56	AB	2	Total Mg 2 2	0	0
56	AC	6	Total Mg 6 6	0	0
56	AD	8	Total Mg 8 8	0	0
56	AE	1	Total Mg 1 1	0	0
56	AF	2	Total Mg 2 2	0	0
56	AG	1	Total Mg 1 1	0	0
56	AH	2	Total Mg 2 2	0	0
56	AI	2	Total Mg 2 2	0	0
56	AJ	1	Total Mg 1 1	0	0
56	AK	1	Total Mg 1 1	0	0
56	AL	2	Total Mg 2 2	0	0
56	AM	1	Total Mg 1 1	0	0
56	AO	3	Total Mg 3 3	0	0
56	AP	1	Total Mg 1 1	0	0
56	AQ	1	Total Mg 1 1	0	0
56	AX	6	Total Mg 6 6	0	0
56	BA	806	Total Mg 806 806	0	0
56	BB	26	Total Mg 26 26	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	BD	2	Total 2	Mg 2	0	0
56	BE	1	Total 1	Mg 1	0	0
56	BF	5	Total 5	Mg 5	0	0
56	BG	3	Total 3	Mg 3	0	0
56	BH	2	Total 2	Mg 2	0	0
56	BI	3	Total 3	Mg 3	0	0
56	BJ	1	Total 1	Mg 1	0	0
56	BN	2	Total 2	Mg 2	0	0
56	BO	3	Total 3	Mg 3	0	0
56	BP	1	Total 1	Mg 1	0	0
56	BQ	3	Total 3	Mg 3	0	0
56	BR	3	Total 3	Mg 3	0	0
56	BT	2	Total 2	Mg 2	0	0
56	BU	1	Total 1	Mg 1	0	0
56	BV	1	Total 1	Mg 1	0	0
56	BW	2	Total 2	Mg 2	0	0
56	BY	1	Total 1	Mg 1	0	0
56	BZ	1	Total 1	Mg 1	0	0
56	B1	2	Total 2	Mg 2	0	0
56	B2	3	Total 3	Mg 3	0	0
56	B5	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	B7	3	Total 3	Mg 3	0	0
56	CA	414	Total 414	Mg 414	0	0
56	CZ	19	Total 19	Mg 19	0	0
56	CV	4	Total 4	Mg 4	0	0
56	CY	21	Total 21	Mg 21	0	0
56	CB	2	Total 2	Mg 2	0	0
56	CC	7	Total 7	Mg 7	0	0
56	CD	2	Total 2	Mg 2	0	0
56	CE	1	Total 1	Mg 1	0	0
56	CF	1	Total 1	Mg 1	0	0
56	CG	1	Total 1	Mg 1	0	0
56	CH	1	Total 1	Mg 1	0	0
56	CI	2	Total 2	Mg 2	0	0
56	CJ	1	Total 1	Mg 1	0	0
56	CK	2	Total 2	Mg 2	0	0
56	CL	1	Total 1	Mg 1	0	0
56	CO	2	Total 2	Mg 2	0	0
56	CP	1	Total 1	Mg 1	0	0
56	CX	9	Total 9	Mg 9	0	0
56	DD	1	Total 1	Mg 1	0	0
56	DF	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	DG	1	Total 1	Mg 1	0	0
56	DH	4	Total 4	Mg 4	0	0
56	DI	2	Total 2	Mg 2	0	0
56	DN	1	Total 1	Mg 1	0	0
56	DO	2	Total 2	Mg 2	0	0
56	DP	6	Total 6	Mg 6	0	0
56	DQ	1	Total 1	Mg 1	0	0
56	DR	1	Total 1	Mg 1	0	0
56	DT	1	Total 1	Mg 1	0	0
56	DV	1	Total 1	Mg 1	0	0
56	DW	3	Total 3	Mg 3	0	0
56	DX	1	Total 1	Mg 1	0	0
56	DZ	4	Total 4	Mg 4	0	0
56	D2	2	Total 2	Mg 2	0	0
56	D3	1	Total 1	Mg 1	0	0
56	D4	3	Total 3	Mg 3	0	0
56	D5	1	Total 1	Mg 1	0	0
56	D7	2	Total 2	Mg 2	0	0
56	D8	1	Total 1	Mg 1	0	0
56	DA	758	Total 758	Mg 758	0	0
56	DB	28	Total 28	Mg 28	0	0

- Molecule 57 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
57	AD	1	Total 1	Zn 1	0	0
57	AN	1	Total 1	Zn 1	0	0
57	CD	1	Total 1	Zn 1	0	0
57	CN	1	Total 1	Zn 1	0	0

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

3 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	210.13Å 454.39Å 616.45Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.90 – 3.21 49.90 – 3.21	Depositor EDS
% Data completeness (in resolution range)	95.1 (49.90-3.21) 95.0 (49.90-3.21)	Depositor EDS
R_{merge}	0.27	Depositor
R_{sym}	0.27	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.69 (at 3.19Å)	Xtriage
Refinement program	PHENIX (phenix.refine), CNS 1.2	Depositor
R, R_{free}	0.292 , 0.319 0.290 , 0.318	Depositor DCC
R_{free} test set	8774 reflections (0.92%)	wwPDB-VP
Wilson B-factor (Å ²)	54.0	Xtriage
Anisotropy	0.069	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.21 , 73.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.26$, $\langle L^2 \rangle = 0.11$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.87	EDS
Total number of atoms	299961	wwPDB-VP
Average B, all atoms (Å ²)	143.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.17% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

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

4 Model quality [i](#)

4.1 Standard geometry [i](#)

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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 oligosaccharides in this entry.

4.6 Ligand geometry [i](#)

Of 2581 ligands modelled in this entry, 2581 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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 ⓘ

5.1 Protein, DNA and RNA chains ⓘ

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

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	AA	1504/1525 (98%)	-0.04	26 (1%) 69 53	85, 138, 234, 323	0
1	CA	1504/1525 (98%)	0.35	54 (3%) 46 32	93, 155, 241, 322	0
2	AY	77/77 (100%)	-0.25	1 (1%) 74 60	97, 129, 164, 212	0
2	AZ	77/77 (100%)	0.47	9 (11%) 10 8	216, 256, 275, 295	0
2	CY	77/77 (100%)	-0.10	2 (2%) 57 41	86, 127, 171, 213	0
2	CZ	77/77 (100%)	0.31	4 (5%) 34 23	219, 254, 280, 289	0
3	AV	12/27 (44%)	0.88	1 (8%) 19 13	120, 129, 207, 226	0
3	CV	12/27 (44%)	1.28	3 (25%) 2 2	118, 127, 212, 221	0
4	AB	234/256 (91%)	0.36	8 (3%) 48 34	155, 190, 223, 247	0
4	CB	234/256 (91%)	0.55	15 (6%) 27 18	158, 188, 218, 246	0
5	AC	206/239 (86%)	0.59	20 (9%) 15 10	160, 191, 220, 245	0
5	CC	206/239 (86%)	0.68	23 (11%) 11 8	157, 174, 194, 224	0
6	AD	208/209 (99%)	0.92	33 (15%) 6 4	125, 146, 174, 188	0
6	CD	208/209 (99%)	1.44	57 (27%) 2 1	146, 177, 205, 230	0
7	AE	151/162 (93%)	0.36	11 (7%) 22 16	124, 145, 174, 198	0
7	CE	151/162 (93%)	0.58	13 (8%) 18 12	133, 154, 184, 220	0
8	AF	101/101 (100%)	-0.07	1 (0%) 79 66	128, 148, 172, 192	0
8	CF	101/101 (100%)	0.56	8 (7%) 20 14	133, 151, 182, 195	0
9	AG	155/156 (99%)	0.50	9 (5%) 30 20	150, 170, 198, 213	0
9	CG	155/156 (99%)	0.68	15 (9%) 15 10	149, 171, 195, 210	0
10	AH	138/138 (100%)	0.52	9 (6%) 26 18	121, 147, 175, 193	0
10	CH	138/138 (100%)	0.86	17 (12%) 9 7	138, 162, 187, 202	0
11	AI	127/128 (99%)	1.14	26 (20%) 3 3	150, 194, 216, 233	0
11	CI	127/128 (99%)	1.41	33 (25%) 2 2	154, 183, 205, 227	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
12	AJ	98/105 (93%)	1.24	20 (20%) 3 3	161, 211, 241, 252	0
12	CJ	98/105 (93%)	1.56	33 (33%) 1 1	159, 190, 217, 226	0
13	AK	119/129 (92%)	0.48	10 (8%) 18 13	117, 147, 176, 185	0
13	CK	119/129 (92%)	0.65	12 (10%) 14 10	114, 136, 169, 204	0
14	AL	124/134 (92%)	0.48	13 (10%) 13 9	106, 118, 143, 171	0
14	CL	124/134 (92%)	0.91	17 (13%) 8 5	122, 134, 161, 208	0
15	AM	117/126 (92%)	0.89	15 (12%) 9 7	152, 182, 203, 216	0
15	CM	117/126 (92%)	0.88	16 (13%) 8 5	164, 193, 219, 240	0
16	AN	60/61 (98%)	1.25	12 (20%) 3 3	171, 185, 211, 230	0
16	CN	60/61 (98%)	1.46	14 (23%) 2 2	163, 173, 205, 214	0
17	AO	88/89 (98%)	0.45	2 (2%) 61 44	114, 134, 161, 176	0
17	CO	88/89 (98%)	0.75	8 (9%) 16 11	121, 148, 175, 193	0
18	AP	83/88 (94%)	0.73	9 (10%) 12 9	120, 133, 162, 173	0
18	CP	83/88 (94%)	1.65	32 (38%) 1 1	154, 178, 202, 235	0
19	AQ	99/105 (94%)	0.36	2 (2%) 64 49	115, 126, 154, 159	0
19	CQ	99/105 (94%)	0.99	13 (13%) 8 6	122, 151, 171, 188	0
20	AR	70/88 (79%)	0.35	0 100 100	134, 151, 184, 198	0
20	CR	70/88 (79%)	0.68	5 (7%) 23 16	131, 147, 174, 190	0
21	AS	78/93 (83%)	0.97	15 (19%) 4 3	163, 192, 214, 226	0
21	CS	78/93 (83%)	1.25	17 (21%) 3 2	171, 196, 216, 232	0
22	AT	99/106 (93%)	1.08	20 (20%) 3 3	126, 144, 174, 200	0
22	CT	99/106 (93%)	1.35	28 (28%) 1 1	155, 177, 205, 234	0
23	AU	24/27 (88%)	2.48	12 (50%) 0 1	195, 213, 232, 241	0
23	CU	24/27 (88%)	3.26	20 (83%) 0 0	180, 201, 227, 248	0
24	AX	354/354 (100%)	0.28	18 (5%) 34 23	98, 137, 242, 255	0
24	CX	354/354 (100%)	0.47	28 (7%) 20 14	105, 134, 292, 310	0
25	BA	2879/2894 (99%)	-0.08	58 (2%) 64 49	65, 112, 248, 354	0
25	DA	2879/2894 (99%)	-0.09	45 (1%) 70 55	59, 110, 238, 321	0
26	BB	119/124 (95%)	0.28	1 (0%) 82 70	138, 171, 208, 265	0
26	DB	119/124 (95%)	0.33	2 (1%) 69 53	132, 181, 215, 265	0
27	BD	271/276 (98%)	0.83	37 (13%) 8 5	98, 122, 149, 167	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å ²)	Q<0.9
27	DD	271/276 (98%)	0.72	25 (9%)	16	11	93, 115, 140, 163	0
28	BE	204/206 (99%)	0.73	21 (10%)	13	9	95, 126, 164, 180	0
28	DE	204/206 (99%)	0.77	18 (8%)	17	12	99, 141, 171, 194	0
29	BF	202/210 (96%)	0.65	16 (7%)	20	14	97, 142, 175, 194	0
29	DF	202/210 (96%)	0.67	14 (6%)	24	17	92, 132, 163, 183	0
30	BG	181/182 (99%)	0.86	27 (14%)	7	5	147, 198, 223, 252	0
30	DG	181/182 (99%)	0.78	15 (8%)	19	13	146, 197, 233, 251	0
31	BH	159/180 (88%)	0.80	17 (10%)	12	9	141, 172, 206, 222	0
31	DH	159/180 (88%)	0.91	20 (12%)	9	7	148, 172, 202, 215	0
32	BI	145/148 (97%)	2.13	60 (41%)	1	1	134, 211, 264, 286	0
32	DI	145/148 (97%)	1.69	45 (31%)	1	1	125, 203, 254, 286	0
33	BJ	32/173 (18%)	1.59	10 (31%)	1	1	203, 228, 245, 262	0
33	DJ	32/173 (18%)	2.03	14 (43%)	1	1	188, 222, 247, 258	0
34	BN	137/163 (84%)	0.89	12 (8%)	17	12	110, 142, 167, 219	0
34	DN	137/163 (84%)	0.98	22 (16%)	5	4	112, 140, 165, 184	0
35	BO	122/122 (100%)	0.48	3 (2%)	58	42	104, 113, 133, 184	0
35	DO	122/122 (100%)	0.57	4 (3%)	49	34	111, 128, 146, 175	0
36	BP	146/150 (97%)	1.29	34 (23%)	2	2	105, 145, 182, 203	0
36	DP	146/150 (97%)	1.24	31 (21%)	3	2	100, 143, 178, 198	0
37	BQ	136/141 (96%)	1.19	30 (22%)	3	2	109, 142, 172, 226	0
37	DQ	136/141 (96%)	1.23	29 (21%)	3	2	105, 140, 174, 226	0
38	BR	117/118 (99%)	0.76	10 (8%)	18	12	102, 116, 153, 180	0
38	DR	117/118 (99%)	0.72	13 (11%)	12	8	108, 129, 167, 183	0
39	BS	98/112 (87%)	1.58	30 (30%)	1	1	164, 192, 215, 232	0
39	DS	98/112 (87%)	1.57	28 (28%)	1	1	164, 197, 225, 240	0
40	BT	137/146 (93%)	0.60	14 (10%)	13	9	107, 120, 163, 190	0
40	DT	137/146 (93%)	0.64	9 (6%)	26	17	121, 145, 189, 205	0
41	BU	117/118 (99%)	0.94	16 (13%)	8	5	109, 144, 175, 196	0
41	DU	117/118 (99%)	1.21	20 (17%)	5	4	102, 136, 170, 183	0
42	BV	101/101 (100%)	0.58	7 (6%)	24	17	110, 160, 187, 202	0
42	DV	101/101 (100%)	0.69	7 (6%)	24	17	104, 150, 183, 202	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
43	BW	112/113 (99%)	0.46	6 (5%) 32 22	95, 118, 156, 181	0
43	DW	112/113 (99%)	0.38	4 (3%) 46 32	92, 116, 145, 172	0
44	BX	92/96 (95%)	0.77	11 (11%) 10 7	111, 129, 161, 179	0
44	DX	92/96 (95%)	0.76	10 (10%) 12 9	101, 120, 145, 174	0
45	BY	100/110 (90%)	1.70	33 (33%) 1 1	131, 150, 181, 216	0
45	DY	100/110 (90%)	1.17	15 (15%) 6 5	115, 135, 172, 199	0
46	BZ	188/206 (91%)	0.81	14 (7%) 22 16	138, 180, 207, 229	0
46	DZ	188/206 (91%)	0.67	14 (7%) 22 16	134, 173, 200, 215	0
47	B0	76/85 (89%)	1.08	11 (14%) 7 5	116, 147, 174, 187	0
47	D0	76/85 (89%)	1.30	18 (23%) 2 2	115, 148, 175, 193	0
48	B1	88/98 (89%)	1.54	27 (30%) 1 1	107, 128, 162, 180	0
48	D1	88/98 (89%)	1.19	18 (20%) 3 3	102, 121, 165, 187	0
49	B2	72/72 (100%)	0.76	7 (9%) 15 10	128, 148, 181, 208	0
49	D2	72/72 (100%)	1.07	16 (22%) 3 2	115, 129, 183, 197	0
50	B3	59/60 (98%)	0.75	4 (6%) 25 17	127, 147, 180, 210	0
50	D3	59/60 (98%)	0.77	3 (5%) 34 23	121, 143, 172, 212	0
51	B4	30/97 (30%)	0.44	0 100 100	204, 221, 244, 244	0
51	D4	30/97 (30%)	0.38	1 (3%) 49 34	208, 226, 243, 245	0
52	B5	52/60 (86%)	0.58	2 (3%) 44 30	98, 120, 159, 188	0
52	D5	52/60 (86%)	0.38	1 (1%) 66 50	96, 126, 177, 192	0
53	B6	44/54 (81%)	1.33	13 (29%) 1 1	132, 166, 195, 199	0
53	D6	44/54 (81%)	0.85	4 (9%) 16 11	134, 165, 193, 200	0
54	B7	48/49 (97%)	1.07	3 (6%) 27 18	98, 105, 132, 171	0
54	D7	48/49 (97%)	0.69	4 (8%) 19 13	92, 97, 120, 175	0
55	B8	63/65 (96%)	1.62	18 (28%) 1 1	115, 125, 158, 176	0
55	D8	63/65 (96%)	1.66	20 (31%) 1 1	109, 124, 151, 190	0
All	All	21460/22658 (94%)	0.49	1830 (8%) 18 12	59, 143, 230, 354	0

All (1830) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
13	AK	129	SER	14.3
54	B7	47	ARG	11.9

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Mol	Chain	Res	Type	RSRZ
23	AU	2	GLY	10.7
1	AA	80	G	9.2
32	DI	120	ILE	8.8
39	BS	11	LYS	8.8
1	AA	81	G	8.7
32	BI	68	LEU	8.6
39	BS	58	LEU	8.2
48	B1	30	VAL	8.1
16	CN	2	ALA	8.1
11	CI	106	ALA	8.0
36	BP	51	PHE	8.0
39	DS	11	LYS	7.9
12	AJ	58	ASP	7.9
12	CJ	73	ASP	7.9
47	D0	17	GLN	7.7
54	D7	48	LYS	7.6
48	B1	10	LYS	7.5
22	AT	25	ARG	7.4
30	DG	35	GLU	7.4
25	DA	508	G	7.4
37	DQ	140	ALA	7.4
1	AA	85	U	7.3
45	BY	52	SER	7.3
36	DP	51	PHE	7.3
1	AA	84	U	7.2
1	AA	82	U	7.1
22	CT	9	ASN	7.1
36	BP	50	ARG	7.1
33	DJ	59	ILE	7.1
12	AJ	53	PRO	7.0
47	B0	75	LEU	7.0
36	BP	27	HIS	7.0
45	BY	3	VAL	6.9
37	BQ	140	ALA	6.9
39	DS	19	LYS	6.9
32	DI	88	ILE	6.8
48	D1	30	VAL	6.7
30	BG	74	LYS	6.7
30	BG	36	LYS	6.7
19	CQ	26	GLN	6.6
22	AT	21	LYS	6.5
22	AT	9	ASN	6.5

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Mol	Chain	Res	Type	RSRZ
54	D7	47	ARG	6.5
32	BI	65	ALA	6.5
9	AG	37	ASN	6.3
41	DU	91	ASP	6.3
30	BG	2	PRO	6.3
6	CD	32	ALA	6.3
32	BI	93	THR	6.2
42	BV	73	SER	6.2
32	BI	100	ALA	6.2
24	AX	65	LEU	6.2
32	BI	120	ILE	6.1
19	CQ	7	THR	6.0
1	CA	81	G	6.0
32	BI	37	VAL	6.0
1	CA	91	C	6.0
9	CG	82	GLY	6.0
6	AD	31	CYS	5.9
39	BS	54	LEU	5.9
27	DD	42	GLY	5.9
23	CU	2	GLY	5.8
25	BA	1090	U	5.8
32	DI	92	VAL	5.8
1	AA	91	C	5.7
32	DI	119	PRO	5.7
44	BX	33	LYS	5.7
25	BA	1074	G	5.7
11	CI	8	GLY	5.7
12	CJ	58	ASP	5.7
1	CA	80	G	5.7
32	BI	72	LEU	5.7
54	B7	48	LYS	5.7
45	DY	51	VAL	5.6
10	AH	1	MET	5.6
22	AT	12	ALA	5.6
18	CP	8	ARG	5.6
18	CP	17	TYR	5.6
39	DS	28	VAL	5.6
41	BU	97	ASP	5.6
53	B6	13	CYS	5.6
23	CU	10	ARG	5.6
30	BG	35	GLU	5.6
21	CS	81	ARG	5.5

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Mol	Chain	Res	Type	RSRZ
39	BS	13	ARG	5.5
31	DH	116	GLU	5.5
6	AD	94	LEU	5.5
19	CQ	37	LYS	5.5
15	AM	60	VAL	5.5
27	DD	267	SER	5.4
37	DQ	130	LYS	5.4
48	D1	36	GLY	5.4
38	DR	8	ARG	5.3
46	DZ	80	ARG	5.3
10	CH	132	GLU	5.3
31	BH	64	LEU	5.3
36	BP	17	LYS	5.3
33	DJ	62	ALA	5.3
33	BJ	58	LEU	5.3
28	DE	121	ASN	5.2
32	BI	36	ALA	5.2
6	AD	4	TYR	5.2
9	CG	101	LEU	5.2
48	B1	19	GLN	5.2
1	CA	1451	A	5.2
49	D2	70	GLN	5.1
16	AN	18	VAL	5.1
6	CD	10	ARG	5.1
12	AJ	73	ASP	5.1
37	BQ	12	GLN	5.1
36	BP	43	GLY	5.1
38	DR	2	ARG	5.1
46	BZ	76	LEU	5.1
55	D8	64	TYR	5.1
49	D2	67	LYS	5.1
33	BJ	7	VAL	5.1
6	CD	54	TYR	5.0
23	CU	15	ARG	5.0
32	DI	94	ALA	5.0
23	CU	18	TYR	5.0
33	DJ	63	LEU	5.0
9	CG	5	ARG	5.0
49	B2	3	LEU	5.0
32	BI	97	ILE	5.0
45	BY	5	MET	5.0
1	AA	88	C	4.9

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Mol	Chain	Res	Type	RSRZ
47	D0	41	ARG	4.9
16	CN	9	LYS	4.9
29	DF	97	TYR	4.9
15	AM	102	ARG	4.9
6	CD	204	ILE	4.9
12	AJ	46	ARG	4.9
55	D8	57	ARG	4.9
23	CU	14	TRP	4.9
47	B0	10	THR	4.9
20	CR	81	PHE	4.9
23	CU	23	PRO	4.9
46	DZ	70	LEU	4.9
36	BP	71	VAL	4.9
24	AX	64	LEU	4.9
14	CL	18	ARG	4.9
20	CR	79	LEU	4.8
53	B6	10	LEU	4.8
15	AM	100	GLY	4.8
25	BA	1174	A	4.8
32	BI	92	VAL	4.8
48	B1	27	GLU	4.8
36	BP	33	ARG	4.8
18	CP	65	GLN	4.8
11	CI	126	SER	4.8
36	DP	42	SER	4.8
32	BI	94	ALA	4.8
28	BE	60	ASN	4.7
11	CI	105	ASP	4.7
17	AO	57	LEU	4.7
11	CI	128	ARG	4.7
22	CT	15	ARG	4.7
31	DH	150	ALA	4.7
32	BI	81	VAL	4.7
45	DY	49	VAL	4.7
34	BN	97	ARG	4.7
32	BI	4	ILE	4.7
21	AS	81	ARG	4.7
23	AU	6	ARG	4.7
12	CJ	59	SER	4.7
25	BA	1084	A	4.7
34	BN	98	TYR	4.7
31	DH	12	PRO	4.6

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Mol	Chain	Res	Type	RSRZ
38	BR	2	ARG	4.6
23	CU	16	GLY	4.6
32	DI	121	LYS	4.6
1	AA	92	G	4.6
40	DT	104	ASN	4.6
10	CH	134	ILE	4.6
55	B8	46	ARG	4.6
12	CJ	71	LEU	4.6
21	CS	70	LYS	4.6
32	DI	130	TYR	4.6
25	BA	2798	C	4.6
2	AZ	17(A)	U	4.6
48	D1	8	SER	4.6
16	CN	25	VAL	4.6
21	CS	76	PRO	4.6
1	CA	87	A	4.6
12	CJ	72	VAL	4.5
25	DA	276	A	4.5
13	AK	25	TYR	4.5
39	DS	20	ARG	4.5
1	AA	1257	U	4.5
1	AA	87	A	4.5
11	AI	66	ARG	4.5
25	BA	1573	G	4.5
20	CR	44	LEU	4.5
34	DN	92	GLN	4.5
19	CQ	35	VAL	4.5
23	AU	16	GLY	4.5
41	BU	80	ILE	4.5
6	CD	62	GLN	4.5
46	BZ	96	VAL	4.4
46	DZ	76	LEU	4.4
6	AD	24	GLU	4.4
48	D1	10	LYS	4.4
6	CD	31	CYS	4.4
45	DY	52	SER	4.4
1	CA	92	G	4.4
36	DP	50	ARG	4.4
11	AI	127	LYS	4.4
39	DS	92	TYR	4.4
32	BI	35	LEU	4.4
15	CM	102	ARG	4.4

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Mol	Chain	Res	Type	RSRZ
30	DG	33	ARG	4.4
32	DI	93	THR	4.4
30	DG	34	LEU	4.4
6	CD	9	CYS	4.4
22	CT	11	SER	4.4
11	CI	7	THR	4.4
10	CH	1	MET	4.4
48	D1	95	LEU	4.4
39	DS	14	VAL	4.4
11	AI	121	ARG	4.4
45	DY	50	ARG	4.4
6	AD	26	CYS	4.4
12	CJ	35	SER	4.4
39	DS	91	PRO	4.4
32	DI	35	LEU	4.3
47	B0	41	ARG	4.3
37	DQ	8	LYS	4.3
36	DP	43	GLY	4.3
13	AK	117	ASN	4.3
23	CU	17	THR	4.3
1	CA	90	C	4.3
37	BQ	8	LYS	4.3
30	BG	97	ASP	4.3
16	CN	6	LEU	4.3
2	CZ	34	C	4.3
16	AN	2	ALA	4.3
36	BP	68	GLN	4.3
5	CC	149	ALA	4.2
32	DI	132	PRO	4.2
5	CC	168	ALA	4.2
22	AT	11	SER	4.2
25	DA	2125	G	4.2
45	BY	51	VAL	4.2
4	CB	29	ALA	4.2
32	DI	91	SER	4.2
15	AM	101	GLN	4.2
36	DP	33	ARG	4.2
14	CL	46	LYS	4.2
30	BG	75	LYS	4.2
34	BN	100	GLY	4.2
37	DQ	83	MET	4.2
36	DP	27	HIS	4.2

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Mol	Chain	Res	Type	RSRZ
32	BI	117	GLU	4.2
27	BD	42	GLY	4.1
24	CX	151	ASP	4.1
27	BD	171	ASP	4.1
13	CK	125	PHE	4.1
27	DD	32	SER	4.1
39	DS	36	TYR	4.1
48	B1	95	LEU	4.1
23	AU	15	ARG	4.1
36	DP	15	ARG	4.1
39	DS	15	ARG	4.1
25	BA	1112	G	4.1
22	CT	12	ALA	4.1
4	AB	214	ILE	4.1
24	CX	237	SER	4.1
12	CJ	69	ASN	4.1
25	BA	2797	U	4.1
28	BE	12	THR	4.1
34	BN	75	VAL	4.1
32	BI	77	LEU	4.1
33	DJ	7	VAL	4.0
39	DS	90	GLY	4.0
45	BY	45	VAL	4.0
41	DU	97	ASP	4.0
42	DV	68	LYS	4.0
6	CD	4	TYR	4.0
10	CH	111	ILE	4.0
37	DQ	9	TYR	4.0
45	BY	53	PRO	4.0
6	CD	80	GLU	4.0
49	D2	15	LYS	4.0
18	AP	24	ALA	4.0
32	BI	109	ILE	4.0
12	AJ	54	PHE	4.0
13	CK	129	SER	4.0
36	DP	56	SER	4.0
46	BZ	98	MET	4.0
23	AU	14	TRP	4.0
25	BA	1026	U	4.0
22	CT	21	LYS	4.0
48	B1	23	LYS	4.0
37	BQ	105	GLU	4.0

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Mol	Chain	Res	Type	RSRZ
46	BZ	97	GLU	4.0
42	BV	70	ILE	4.0
37	DQ	24	GLY	4.0
6	AD	32	ALA	4.0
6	CD	205	GLU	4.0
11	AI	106	ALA	4.0
32	BI	116	LEU	4.0
32	DI	114	LEU	4.0
48	B1	16	ASN	4.0
18	CP	29	ASP	3.9
39	DS	13	ARG	3.9
47	D0	13	GLY	3.9
22	CT	59	ALA	3.9
42	DV	73	SER	3.9
1	AA	1224	G	3.9
2	AZ	17	C	3.9
11	CI	66	ARG	3.9
32	BI	95	LYS	3.9
36	BP	47	ASP	3.9
48	D1	9	GLY	3.9
31	BH	67	LEU	3.9
11	AI	126	SER	3.9
21	CS	4	SER	3.9
28	DE	171	GLU	3.9
12	CJ	54	PHE	3.9
11	AI	114	TYR	3.9
21	AS	41	VAL	3.9
1	CA	631	G	3.9
41	BU	91	ASP	3.9
6	CD	66	ARG	3.9
6	CD	206	PHE	3.9
32	BI	80	PRO	3.9
34	DN	68	ASN	3.9
27	BD	147	LEU	3.9
35	BO	22	ILE	3.9
19	AQ	24	GLU	3.9
36	BP	7	ARG	3.9
45	DY	70	SER	3.9
48	D1	19	GLN	3.9
49	D2	3	LEU	3.9
9	CG	81	GLY	3.9
28	DE	131	ALA	3.9

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Mol	Chain	Res	Type	RSRZ
18	AP	29	ASP	3.9
18	CP	71	ARG	3.9
37	BQ	90	VAL	3.8
29	BF	41	LEU	3.8
48	D1	25	LYS	3.8
4	AB	12	GLU	3.8
37	DQ	139	GLU	3.8
40	BT	11	GLU	3.8
11	CI	65	VAL	3.8
21	AS	71	LEU	3.8
31	BH	89	ILE	3.8
31	BH	60	ARG	3.8
44	BX	60	ARG	3.8
55	D8	46	ARG	3.8
39	BS	12	PHE	3.8
2	CZ	17(A)	U	3.8
30	DG	2	PRO	3.8
6	AD	9	CYS	3.8
34	DN	111	GLU	3.8
32	BI	118	LYS	3.8
11	CI	116	LYS	3.8
32	BI	112	LYS	3.8
27	DD	40	THR	3.8
37	BQ	21	THR	3.8
32	BI	90	GLY	3.8
38	BR	3	HIS	3.8
55	B8	64	TYR	3.8
40	DT	106	SER	3.7
21	AS	9	VAL	3.7
5	AC	56	ASP	3.7
15	AM	87	TYR	3.7
30	BG	86	MET	3.7
32	BI	43	ASN	3.7
46	DZ	56	VAL	3.7
45	BY	34	LYS	3.7
48	B1	20	ARG	3.7
13	CK	114	VAL	3.7
6	AD	63	LYS	3.7
39	DS	30	ARG	3.7
15	CM	118	ALA	3.7
44	DX	3	THR	3.7
9	AG	16	LEU	3.7

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Mol	Chain	Res	Type	RSRZ
14	CL	27	LYS	3.7
23	CU	3	LYS	3.7
30	DG	36	LYS	3.7
34	DN	138	ARG	3.7
18	CP	7	ALA	3.7
18	CP	34	GLU	3.7
15	CM	27	LYS	3.7
28	DE	195	LEU	3.7
39	BS	73	LEU	3.7
37	BQ	141	GLN	3.7
22	CT	63	ILE	3.7
28	DE	14	ILE	3.7
40	BT	52	ILE	3.7
25	BA	2112	G	3.7
6	AD	110	PHE	3.6
27	DD	34	VAL	3.6
28	DE	159	HIS	3.6
6	CD	119	GLN	3.6
39	BS	52	SER	3.6
40	BT	104	ASN	3.6
47	B0	73	GLY	3.6
33	BJ	61	LEU	3.6
46	DZ	88	PHE	3.6
37	DQ	141	GLN	3.6
55	B8	43	GLN	3.6
24	CX	152	LEU	3.6
32	BI	1	MET	3.6
5	CC	138	VAL	3.6
17	CO	69	TYR	3.6
1	CA	82	U	3.6
39	BS	39	ILE	3.6
32	BI	8	PRO	3.6
32	BI	14	ASP	3.6
32	BI	119	PRO	3.6
25	BA	1002	G	3.6
37	DQ	12	GLN	3.6
25	BA	34	C	3.6
32	DI	90	GLY	3.6
49	B2	4	SER	3.6
47	D0	53	MET	3.6
55	B8	57	ARG	3.6
25	DA	2062	A	3.6

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Mol	Chain	Res	Type	RSRZ
21	CS	42	PRO	3.6
14	AL	18	ARG	3.6
44	BX	92	LEU	3.6
18	CP	9	PHE	3.6
1	AA	980	C	3.6
6	AD	17	VAL	3.6
15	AM	117	VAL	3.6
24	AX	63	SER	3.6
49	D2	12	GLU	3.6
39	BS	36	TYR	3.6
55	D8	41	ILE	3.6
25	DA	1174	A	3.5
47	B0	17	GLN	3.5
49	B2	9	GLN	3.5
38	BR	8	ARG	3.5
48	B1	21	ARG	3.5
44	BX	75	ASP	3.5
10	AH	131	GLY	3.5
40	BT	50	ILE	3.5
13	CK	127	LYS	3.5
22	CT	68	LYS	3.5
24	CX	31	TYR	3.5
55	B8	5	LYS	3.5
25	BA	1044	G	3.5
25	DA	2334	G	3.5
45	BY	7	VAL	3.5
6	CD	12	CYS	3.5
32	DI	95	LYS	3.5
45	DY	88	LYS	3.5
39	BS	34	HIS	3.5
14	CL	30	PRO	3.5
22	CT	25	ARG	3.5
24	CX	92	LEU	3.5
27	DD	272	ALA	3.5
24	CX	24	VAL	3.5
32	DI	97	ILE	3.5
27	DD	244	ARG	3.5
37	DQ	82	ARG	3.5
4	AB	26	PRO	3.5
33	DJ	10	LEU	3.5
49	D2	16	LEU	3.5
36	DP	70	GLN	3.5

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Mol	Chain	Res	Type	RSRZ
12	CJ	70	ARG	3.5
37	BQ	91	GLU	3.5
22	CT	73	HIS	3.5
27	DD	12	SER	3.5
6	CD	120	LEU	3.5
30	BG	34	LEU	3.5
39	BS	32	LEU	3.5
1	CA	1286	A	3.5
25	BA	2799	A	3.5
48	B1	24	ALA	3.5
11	AI	109	VAL	3.5
12	CJ	55	LYS	3.5
23	CU	9	ARG	3.5
49	D2	72	ALA	3.4
13	AK	87	THR	3.4
22	CT	80	ARG	3.4
49	D2	66	GLU	3.4
16	CN	14	PRO	3.4
27	BD	272	ALA	3.4
12	CJ	48	THR	3.4
16	AN	17	LYS	3.4
25	DA	2799	A	3.4
49	D2	10	LEU	3.4
24	CX	40	GLU	3.4
27	BD	233	HIS	3.4
32	DI	63	ALA	3.4
45	DY	3	VAL	3.4
6	CD	69	GLY	3.4
16	CN	31	ARG	3.4
37	BQ	68	ILE	3.4
22	CT	18	GLN	3.4
9	AG	8	GLU	3.4
41	BU	96	ALA	3.4
41	DU	93	LYS	3.4
36	DP	7	ARG	3.4
49	D2	14	ARG	3.4
27	BD	12	SER	3.4
38	BR	6	SER	3.4
25	DA	790	C	3.4
32	DI	87	LYS	3.4
32	DI	100	ALA	3.4
18	CP	2	VAL	3.4

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Mol	Chain	Res	Type	RSRZ
47	D0	73	GLY	3.4
28	DE	77	ILE	3.4
32	DI	6	LEU	3.3
49	D2	65	ASN	3.3
18	CP	3	LYS	3.3
32	DI	118	LYS	3.3
41	BU	84	LYS	3.3
31	DH	169	VAL	3.3
36	BP	15	ARG	3.3
27	DD	167	GLY	3.3
12	CJ	38	ILE	3.3
19	CQ	36	ILE	3.3
18	CP	69	THR	3.3
6	CD	77	ASN	3.3
6	CD	201	GLN	3.3
15	CM	65	LYS	3.3
47	D0	63	VAL	3.3
18	CP	41	PRO	3.3
38	DR	3	HIS	3.3
11	CI	72	GLY	3.3
24	CX	29	GLY	3.3
55	D8	11	LYS	3.3
15	CM	101	GLN	3.3
6	AD	66	ARG	3.3
13	AK	128	ALA	3.3
15	AM	99	ARG	3.3
23	CU	6	ARG	3.3
48	D1	14	VAL	3.3
41	BU	32	PHE	3.3
6	AD	90	GLY	3.3
36	DP	116	GLY	3.3
29	BF	181	LEU	3.3
24	CX	28	LYS	3.3
41	DU	51	LYS	3.3
17	CO	88	ARG	3.3
34	DN	97	ARG	3.3
36	DP	61	ARG	3.3
27	BD	145	VAL	3.3
19	CQ	30	PRO	3.3
6	CD	5	ILE	3.3
32	BI	105	HIS	3.3
55	D8	45	GLY	3.3

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Mol	Chain	Res	Type	RSRZ
24	CX	25	LEU	3.3
29	BF	140	LEU	3.3
46	BZ	186	GLU	3.3
48	D1	48	LYS	3.3
32	DI	86	THR	3.3
40	BT	1	MET	3.3
21	CS	59	PRO	3.3
32	DI	111	PRO	3.3
21	CS	68	GLY	3.3
11	AI	117	HIS	3.3
11	CI	117	HIS	3.3
53	B6	9	LEU	3.3
12	CJ	61	GLU	3.2
11	CI	64	THR	3.2
28	BE	76	ARG	3.2
11	AI	14	VAL	3.2
24	AX	183	VAL	3.2
39	DS	88	ASP	3.2
21	AS	4	SER	3.2
39	DS	18	ILE	3.2
17	CO	67	LEU	3.2
22	AT	24	LEU	3.2
49	B2	65	ASN	3.2
6	AD	20	TYR	3.2
37	DQ	6	ARG	3.2
2	CZ	17	C	3.2
1	AA	79	G	3.2
6	CD	203	VAL	3.2
32	BI	3	VAL	3.2
41	DU	90	VAL	3.2
54	D7	46	VAL	3.2
1	CA	1280	A	3.2
25	BA	1073	A	3.2
32	BI	79	ILE	3.2
32	BI	111	PRO	3.2
6	CD	202	LEU	3.2
12	CJ	5	ARG	3.2
7	CE	51	VAL	3.2
29	BF	36	VAL	3.2
8	CF	92	LYS	3.2
27	DD	35	LYS	3.2
18	CP	6	LEU	3.2

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Mol	Chain	Res	Type	RSRZ
41	BU	109	LEU	3.2
25	DA	2801	A	3.2
29	BF	50	SER	3.2
6	CD	154	ASN	3.2
30	BG	72	ARG	3.2
6	AD	54	TYR	3.2
15	CM	87	TYR	3.2
37	BQ	9	TYR	3.2
11	CI	11	LYS	3.2
11	CI	127	LYS	3.2
24	AX	295	THR	3.2
1	AA	5	U	3.2
45	BY	90	LEU	3.2
29	BF	55	GLY	3.2
36	DP	40	SER	3.2
16	AN	34	TYR	3.2
25	DA	2170	A	3.2
55	D8	54	GLU	3.2
54	D7	2	LYS	3.2
21	CS	15	LEU	3.2
32	BI	128	LEU	3.2
48	B1	29	GLY	3.1
25	DA	2144	U	3.1
48	B1	8	SER	3.1
18	CP	27	LYS	3.1
32	DI	66	GLU	3.1
37	BQ	80	GLU	3.1
45	BY	101	LYS	3.1
32	BI	86	THR	3.1
34	DN	96	THR	3.1
16	AN	14	PRO	3.1
28	BE	13	ARG	3.1
11	CI	115	GLY	3.1
37	BQ	83	MET	3.1
6	CD	151	LYS	3.1
18	CP	35	LYS	3.1
36	BP	29	LYS	3.1
38	DR	9	LYS	3.1
48	D1	32	LYS	3.1
55	B8	54	GLU	3.1
18	AP	59	TRP	3.1
40	BT	114	LEU	3.1

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Mol	Chain	Res	Type	RSRZ
28	BE	58	ARG	3.1
37	BQ	6	ARG	3.1
2	CZ	1	C	3.1
42	BV	11	GLN	3.1
42	BV	68	LYS	3.1
46	BZ	78	LYS	3.1
31	DH	115	VAL	3.1
13	AK	125	PHE	3.1
5	CC	206	GLU	3.1
6	CD	24	GLU	3.1
40	BT	3	ARG	3.1
36	DP	28	GLY	3.1
14	CL	22	LYS	3.1
39	BS	33	LYS	3.1
44	DX	16	LYS	3.1
33	BJ	62	ALA	3.1
18	CP	28	ARG	3.1
40	DT	50	ILE	3.1
47	D0	74	ARG	3.1
6	CD	28	SER	3.1
11	CI	12	GLU	3.1
38	DR	11	ASN	3.1
1	CA	1281	U	3.1
1	CA	1491	G	3.1
13	CK	121	PRO	3.1
36	BP	46	LYS	3.1
4	AB	70	PHE	3.1
32	DI	9	LEU	3.1
34	DN	124	HIS	3.1
39	BS	56	LEU	3.1
27	BD	244	ARG	3.1
30	BG	95	ARG	3.1
25	BA	1104	C	3.1
28	DE	151	TYR	3.1
6	CD	72	GLU	3.0
17	CO	48	LYS	3.0
24	AX	99	LYS	3.0
34	DN	107	LYS	3.0
18	CP	67	THR	3.0
32	BI	108	THR	3.0
32	DI	1	MET	3.0
40	DT	1	MET	3.0

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Mol	Chain	Res	Type	RSRZ
10	AH	95	VAL	3.0
32	BI	145	VAL	3.0
24	AX	123	PHE	3.0
37	DQ	10	ARG	3.0
45	BY	6	HIS	3.0
6	CD	60	GLU	3.0
11	AI	110	GLU	3.0
28	DE	163	GLU	3.0
23	CU	19	GLY	3.0
10	CH	84	ARG	3.0
15	AM	19	LEU	3.0
23	CU	13	ILE	3.0
14	CL	20	LYS	3.0
12	AJ	64	GLU	3.0
46	DZ	28	MET	3.0
27	BD	40	THR	3.0
31	BH	52	VAL	3.0
49	D2	63	VAL	3.0
32	BI	101	LEU	3.0
3	AV	22	A	3.0
25	BA	12	U	3.0
6	CD	150	GLU	3.0
53	B6	12	GLU	3.0
4	CB	202	PRO	3.0
6	AD	2	GLY	3.0
28	DE	127	ASP	3.0
6	AD	209	ARG	3.0
6	CD	21	LEU	3.0
27	BD	239	ARG	3.0
31	DH	50	VAL	3.0
12	CJ	42	THR	3.0
31	BH	87	LEU	3.0
32	DI	68	LEU	3.0
9	CG	2	ALA	3.0
25	DA	615	G	3.0
31	DH	72	ILE	3.0
41	DU	17	ILE	3.0
12	CJ	62	HIS	3.0
55	B8	15	LYS	3.0
13	CK	25	TYR	3.0
10	CH	99	GLU	3.0
6	CD	209	ARG	3.0

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Mol	Chain	Res	Type	RSRZ
27	DD	262	ARG	3.0
44	BX	68	ARG	3.0
48	B1	61	ARG	3.0
32	BI	75	LEU	3.0
28	BE	96	PHE	3.0
23	AU	13	ILE	3.0
28	DE	204	ALA	3.0
8	CF	18	GLN	2.9
16	AN	4	LYS	2.9
22	AT	68	LYS	2.9
32	BI	87	LYS	2.9
53	B6	25	LYS	2.9
1	CA	105	G	2.9
1	CA	226	G	2.9
11	CI	9	ARG	2.9
27	BD	262	ARG	2.9
23	AU	5	ASP	2.9
32	BI	96	ASP	2.9
36	DP	114	ILE	2.9
46	BZ	77	ASP	2.9
15	AM	118	ALA	2.9
16	CN	26	ARG	2.9
28	DE	142	GLY	2.9
5	CC	87	LEU	2.9
27	BD	133	LEU	2.9
32	DI	140	LEU	2.9
41	DU	25	TRP	2.9
41	DU	37	GLU	2.9
6	AD	93	PHE	2.9
4	CB	214	ILE	2.9
18	AP	12	LYS	2.9
39	BS	29	PHE	2.9
42	DV	78	LYS	2.9
45	DY	89	PHE	2.9
25	BA	1075	C	2.9
12	AJ	59	SER	2.9
33	BJ	56	ASN	2.9
11	AI	42	ARG	2.9
36	DP	77	ARG	2.9
46	DZ	82	ARG	2.9
37	DQ	7	MET	2.9
6	CD	157	LEU	2.9

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Mol	Chain	Res	Type	RSRZ
11	CI	109	VAL	2.9
21	AS	68	GLY	2.9
28	BE	184	VAL	2.9
33	DJ	61	LEU	2.9
46	DZ	183	LEU	2.9
53	D6	9	LEU	2.9
39	BS	92	TYR	2.9
29	BF	65	TRP	2.9
33	DJ	64	LYS	2.9
14	CL	6	ILE	2.9
39	DS	42	ASP	2.9
36	BP	42	SER	2.9
2	AZ	34	C	2.9
7	CE	139	LEU	2.9
25	BA	615	G	2.9
36	DP	67	MET	2.9
11	AI	115	GLY	2.9
34	DN	69	VAL	2.9
12	CJ	7	LYS	2.9
8	CF	95	GLU	2.9
9	CG	26	PHE	2.9
40	BT	110	ILE	2.9
40	DT	11	GLU	2.9
5	CC	160	ALA	2.9
7	CE	132	ALA	2.9
13	CK	89	ALA	2.9
28	BE	131	ALA	2.9
15	CM	99	ARG	2.9
32	DI	67	ARG	2.9
24	AX	151	ASP	2.9
10	CH	133	LEU	2.9
21	AS	5	LEU	2.9
21	CS	71	LEU	2.9
22	CT	13	LEU	2.9
33	DJ	58	LEU	2.9
36	BP	40	SER	2.9
5	AC	151	VAL	2.9
39	BS	91	PRO	2.9
45	BY	77	PRO	2.9
48	D1	92	LYS	2.9
33	BJ	59	ILE	2.9
2	AZ	19	G	2.8

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Mol	Chain	Res	Type	RSRZ
24	AX	118	GLU	2.8
25	DA	2168	G	2.8
39	DS	102	ALA	2.8
5	CC	175	LEU	2.8
21	CS	16	LEU	2.8
27	DD	147	LEU	2.8
6	AD	18	LYS	2.8
6	AD	112	VAL	2.8
22	AT	30	LYS	2.8
24	CX	225	SER	2.8
27	BD	208	LYS	2.8
30	DG	28	VAL	2.8
34	DN	126	VAL	2.8
45	DY	53	PRO	2.8
37	DQ	137	TYR	2.8
47	B0	45	PHE	2.8
32	DI	70	GLU	2.8
49	B2	72	ALA	2.8
25	BA	1079	C	2.8
33	BJ	63	LEU	2.8
1	AA	993	G	2.8
1	CA	1368	G	2.8
8	CF	54	LYS	2.8
32	DI	112	LYS	2.8
5	AC	2	GLY	2.8
11	AI	105	ASP	2.8
55	B8	45	GLY	2.8
12	CJ	37	PRO	2.8
4	CB	137	ARG	2.8
28	DE	149	ARG	2.8
42	DV	83	ARG	2.8
7	CE	83	GLU	2.8
30	BG	67	LYS	2.8
37	BQ	103	MET	2.8
1	AA	975	A	2.8
10	CH	129	VAL	2.8
21	CS	69	HIS	2.8
6	AD	79	PHE	2.8
7	CE	118	ILE	2.8
11	AI	33	PHE	2.8
6	CD	208	SER	2.8
21	AS	38	SER	2.8

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Mol	Chain	Res	Type	RSRZ
39	DS	89	ARG	2.8
44	DX	68	ARG	2.8
48	B1	26	ARG	2.8
55	D8	34	TRP	2.8
1	CA	855	G	2.8
32	BI	122	GLU	2.8
55	B8	56	GLU	2.8
22	AT	72	LEU	2.8
32	BI	38	LEU	2.8
33	BJ	10	LEU	2.8
53	D6	10	LEU	2.8
55	B8	52	LYS	2.8
53	D6	23	THR	2.8
36	BP	26	GLY	2.8
6	CD	93	PHE	2.8
12	CJ	53	PRO	2.8
21	AS	10	PHE	2.8
27	DD	36	PRO	2.8
1	CA	977	A	2.8
1	AA	307	C	2.8
14	CL	127	ALA	2.8
27	BD	32	SER	2.8
43	BW	38	TYR	2.8
13	CK	122	LYS	2.8
18	CP	12	LYS	2.8
19	CQ	58	GLU	2.8
22	CT	29	LYS	2.8
33	BJ	4	LYS	2.8
40	DT	98	LYS	2.8
45	BY	49	VAL	2.8
1	CA	1353	G	2.8
25	BA	2334	G	2.8
25	DA	245	G	2.8
12	CJ	66	ARG	2.7
18	CP	16	HIS	2.7
22	AT	8	ARG	2.7
24	AX	148	HIS	2.7
27	BD	263	ARG	2.7
50	B3	29	ARG	2.7
30	DG	158	ALA	2.7
44	DX	4	ALA	2.7
5	CC	167	TRP	2.7

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Mol	Chain	Res	Type	RSRZ
6	CD	53	ASP	2.7
14	CL	97	TYR	2.7
34	BN	88	LYS	2.7
36	BP	110	TYR	2.7
41	DU	15	LYS	2.7
55	D8	29	LYS	2.7
55	D8	52	LYS	2.7
6	CD	200	GLU	2.7
41	BU	89	GLU	2.7
5	AC	103	VAL	2.7
19	AQ	11	VAL	2.7
30	DG	159	VAL	2.7
42	BV	5	VAL	2.7
12	CJ	46	ARG	2.7
36	DP	26	GLY	2.7
37	DQ	21	THR	2.7
45	DY	2	ARG	2.7
47	D0	55	ARG	2.7
12	AJ	18	ALA	2.7
14	AL	118	LYS	2.7
25	DA	2149	G	2.7
37	DQ	18	LYS	2.7
5	AC	43	LEU	2.7
14	AL	26	LEU	2.7
18	CP	39	TYR	2.7
32	DI	72	LEU	2.7
47	D0	78	TYR	2.7
10	CH	93	VAL	2.7
27	DD	145	VAL	2.7
32	DI	7	GLU	2.7
48	D1	27	GLU	2.7
1	CA	221	C	2.7
15	AM	110	ARG	2.7
39	BS	20	ARG	2.7
8	CF	8	ILE	2.7
12	AJ	98	ILE	2.7
34	DN	94	ILE	2.7
45	BY	10	GLY	2.7
45	BY	44	ILE	2.7
36	DP	58	THR	2.7
6	CD	160	GLN	2.7
11	CI	119	ALA	2.7

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Mol	Chain	Res	Type	RSRZ
12	CJ	57	LYS	2.7
47	D0	46	LYS	2.7
55	D8	47	LYS	2.7
22	CT	24	LEU	2.7
8	CF	50	TYR	2.7
28	BE	151	TYR	2.7
32	BI	91	SER	2.7
37	BQ	81	VAL	2.7
46	BZ	166	SER	2.7
1	CA	79	G	2.7
13	CK	117	ASN	2.7
28	BE	163	GLU	2.7
45	BY	62	GLU	2.7
29	DF	54	ARG	2.7
36	DP	41	ARG	2.7
44	DX	76	ARG	2.7
47	B0	12	ASN	2.7
27	BD	216	GLY	2.7
30	BG	140	ILE	2.7
13	AK	124	LYS	2.7
13	AK	127	LYS	2.7
45	BY	83	THR	2.7
45	DY	101	LYS	2.7
25	BA	2896	C	2.7
32	BI	58	LEU	2.7
6	CD	178	VAL	2.7
46	BZ	84	GLU	2.7
46	BZ	153	SER	2.7
30	BG	88	ILE	2.7
32	DI	4	ILE	2.7
27	DD	258	LYS	2.7
34	DN	109	PRO	2.7
11	AI	47	LEU	2.7
15	AM	90	LEU	2.7
21	AS	15	LEU	2.7
25	BA	11	G	2.7
25	BA	2319	G	2.7
31	BH	61	HIS	2.7
55	B8	55	ALA	2.7
6	CD	116	GLN	2.7
11	CI	125	TYR	2.7
29	BF	184	TYR	2.7

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Mol	Chain	Res	Type	RSRZ
45	BY	24	VAL	2.7
54	B7	46	VAL	2.7
41	DU	12	ARG	2.7
6	CD	26	CYS	2.7
29	BF	86	GLY	2.6
41	DU	19	LYS	2.6
27	DD	61	LEU	2.6
25	BA	1406	U	2.6
29	DF	42	ALA	2.6
39	DS	21	THR	2.6
19	CQ	96	GLN	2.6
55	B8	23	VAL	2.6
55	B8	34	TRP	2.6
3	CV	23	A	2.6
11	CI	70	LYS	2.6
37	DQ	128	LYS	2.6
14	AL	15	GLU	2.6
33	DJ	22	GLY	2.6
34	DN	91	GLU	2.6
40	BT	73	GLU	2.6
25	BA	1383	C	2.6
36	BP	88	LEU	2.6
22	AT	94	ALA	2.6
32	BI	98	ALA	2.6
9	CG	32	ARG	2.6
11	CI	120	ARG	2.6
18	AP	65	GLN	2.6
22	CT	22	ARG	2.6
37	BQ	102	VAL	2.6
24	CX	26	LYS	2.6
27	BD	255	LYS	2.6
32	DI	89	TYR	2.6
46	DZ	44	PHE	2.6
5	CC	2	GLY	2.6
39	DS	108	GLY	2.6
5	CC	12	LEU	2.6
5	CC	101	LEU	2.6
1	CA	330	C	2.6
55	B8	30	ARG	2.6
39	BS	65	VAL	2.6
7	AE	20	GLN	2.6
37	BQ	11	LYS	2.6

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Mol	Chain	Res	Type	RSRZ
4	AB	31	TYR	2.6
1	CA	5	U	2.6
14	AL	84	ILE	2.6
27	BD	236	GLY	2.6
28	BE	186	GLY	2.6
30	BG	42	GLY	2.6
5	CC	43	LEU	2.6
6	CD	58	LEU	2.6
20	CR	40	LEU	2.6
6	AD	80	GLU	2.6
35	BO	9	GLU	2.6
27	DD	241	PRO	2.6
32	DI	137	PRO	2.6
36	BP	23	PRO	2.6
43	BW	93	ALA	2.6
13	CK	119	CYS	2.6
16	AN	31	ARG	2.6
36	BP	65	ARG	2.6
39	BS	97	ARG	2.6
11	AI	65	VAL	2.6
25	BA	2062	A	2.6
32	BI	2	LYS	2.6
34	DN	25	LYS	2.6
1	CA	1224	G	2.6
5	CC	134	ILE	2.6
12	CJ	6	ILE	2.6
25	DA	2111	C	2.6
9	AG	85	TYR	2.6
10	CH	31	PHE	2.6
11	CI	114	TYR	2.6
21	CS	10	PHE	2.6
5	AC	175	LEU	2.6
31	DH	100	GLY	2.6
32	BI	140	LEU	2.6
32	DI	116	LEU	2.6
4	CB	12	GLU	2.6
7	AE	104	ALA	2.6
16	AN	10	ALA	2.6
46	BZ	82	ARG	2.6
16	CN	15	LYS	2.6
24	CX	27	ASP	2.6
27	DD	208	LYS	2.6

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Mol	Chain	Res	Type	RSRZ
41	BU	34	LYS	2.6
41	BU	56	ASP	2.6
12	AJ	69	ASN	2.6
6	AD	70	ILE	2.5
41	DU	80	ILE	2.5
29	DF	139	PHE	2.5
37	BQ	32	PHE	2.5
8	CF	48	LEU	2.5
39	DS	26	LEU	2.5
32	BI	34	GLY	2.5
34	DN	100	GLY	2.5
16	AN	29	ARG	2.5
32	DI	65	ALA	2.5
47	B0	44	ARG	2.5
1	CA	1049	U	2.5
12	AJ	7	LYS	2.5
22	CT	74	LYS	2.5
28	DE	25	VAL	2.5
32	BI	144	VAL	2.5
5	CC	152	ILE	2.5
29	BF	133	ASN	2.5
32	DI	107	ILE	2.5
12	CJ	63	PHE	2.5
37	BQ	104	PHE	2.5
47	D0	75	LEU	2.5
48	B1	71	TYR	2.5
37	BQ	24	GLY	2.5
9	CG	79	ARG	2.5
3	CV	13	A	2.5
25	DA	2169	A	2.5
4	CB	141	GLU	2.5
32	BI	134	PRO	2.5
36	DP	52	GLU	2.5
55	B8	2	PRO	2.5
8	CF	6	VAL	2.5
31	BH	43	VAL	2.5
44	BX	43	VAL	2.5
48	B1	14	VAL	2.5
1	AA	86	U	2.5
12	CJ	23	ILE	2.5
15	CM	105	THR	2.5
1	CA	309	G	2.5

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Mol	Chain	Res	Type	RSRZ
6	CD	94	LEU	2.5
24	CX	65	LEU	2.5
27	BD	67	PHE	2.5
53	B6	36	LEU	2.5
6	AD	207	TYR	2.5
10	CH	130	GLY	2.5
19	CQ	8	GLY	2.5
21	AS	36	ARG	2.5
23	AU	10	ARG	2.5
36	BP	22	GLY	2.5
4	CB	8	LYS	2.5
5	AC	160	ALA	2.5
5	CC	199	LYS	2.5
45	BY	16	ALA	2.5
30	BG	160	VAL	2.5
32	BI	136	VAL	2.5
32	BI	137	PRO	2.5
15	CM	73	GLU	2.5
19	CQ	24	GLU	2.5
7	AE	13	ILE	2.5
48	B1	66	HIS	2.5
22	CT	10	LEU	2.5
31	DH	103	LEU	2.5
41	BU	27	LEU	2.5
6	CD	74	GLN	2.5
22	AT	80	ARG	2.5
23	CU	7	ARG	2.5
25	DA	2143	C	2.5
27	BD	250	TRP	2.5
29	BF	44	ARG	2.5
37	DQ	100	GLY	2.5
5	CC	150	LYS	2.5
14	AL	25	ALA	2.5
34	DN	132	LYS	2.5
41	DU	16	LYS	2.5
48	B1	48	LYS	2.5
52	D5	2	ALA	2.5
5	CC	207	VAL	2.5
11	CI	123	PRO	2.5
44	BX	11	PRO	2.5
10	AH	99	GLU	2.5
12	CJ	64	GLU	2.5

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Mol	Chain	Res	Type	RSRZ
15	CM	19	LEU	2.5
22	CT	84	LEU	2.5
28	BE	27	LEU	2.5
31	DH	60	ARG	2.5
36	BP	58	THR	2.5
37	BQ	14	ARG	2.5
48	D1	50	ARG	2.5
1	AA	728	A	2.5
25	BA	1088	A	2.5
25	DA	2448	A	2.5
7	AE	121	LYS	2.5
45	DY	57	GLN	2.5
11	AI	75	ASP	2.5
34	BN	95	TYR	2.5
39	DS	37	ALA	2.5
1	AA	843	U	2.5
8	AF	89	MET	2.5
25	BA	267	C	2.5
25	DA	1026	U	2.5
24	AX	98	PRO	2.5
12	AJ	6	ILE	2.4
34	BN	122	LEU	2.4
41	BU	83	LEU	2.4
1	CA	331	G	2.4
25	BA	2805	G	2.4
36	BP	79	ARG	2.4
43	BW	90	ARG	2.4
39	BS	57	LYS	2.4
45	BY	47	LYS	2.4
6	CD	164	ALA	2.4
22	CT	76	ALA	2.4
27	DD	9	TYR	2.4
39	BS	16	ASN	2.4
27	BD	36	PRO	2.4
45	BY	66	PRO	2.4
1	CA	88	C	2.4
12	CJ	74	ILE	2.4
6	CD	3	ARG	2.4
25	DA	2145	C	2.4
25	DA	2477	C	2.4
31	DH	170	ARG	2.4
32	BI	114	LEU	2.4

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Mol	Chain	Res	Type	RSRZ
36	BP	77	ARG	2.4
43	DW	90	ARG	2.4
37	DQ	69	PHE	2.4
39	DS	87	PHE	2.4
10	CH	98	LYS	2.4
16	CN	13	THR	2.4
35	DO	27	GLY	2.4
7	AE	30	ALA	2.4
55	D8	10	ALA	2.4
21	CS	41	VAL	2.4
31	BH	35	VAL	2.4
15	CM	97	PRO	2.4
15	CM	106	ASN	2.4
32	BI	132	PRO	2.4
41	DU	75	ASN	2.4
43	BW	92	ARG	2.4
9	CG	8	GLU	2.4
27	BD	181	GLU	2.4
34	BN	124	HIS	2.4
25	BA	790	C	2.4
7	CE	85	GLY	2.4
11	AI	64	THR	2.4
13	CK	87	THR	2.4
15	CM	100	GLY	2.4
18	CP	37	GLY	2.4
36	BP	24	GLY	2.4
41	DU	23	GLY	2.4
7	AE	21	ALA	2.4
17	CO	30	ALA	2.4
52	B5	2	ALA	2.4
36	BP	38	GLN	2.4
48	B1	49	VAL	2.4
17	CO	78	TYR	2.4
46	BZ	99	TYR	2.4
6	AD	99	SER	2.4
22	AT	70	SER	2.4
5	AC	14	ILE	2.4
18	CP	18	ARG	2.4
20	CR	76	LEU	2.4
32	BI	71	ILE	2.4
33	DJ	13	LEU	2.4
21	AS	70	LYS	2.4

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Mol	Chain	Res	Type	RSRZ
23	CU	25	LYS	2.4
1	CA	378	G	2.4
1	CA	1186	G	2.4
6	CD	156	GLU	2.4
6	CD	163	GLU	2.4
25	DA	2802	G	2.4
32	DI	117	GLU	2.4
25	DA	536	A	2.4
24	AX	296	GLY	2.4
32	BI	129	THR	2.4
36	BP	30	THR	2.4
6	CD	148	VAL	2.4
11	AI	44	VAL	2.4
9	AG	106	GLN	2.4
46	DZ	118	GLN	2.4
50	B3	33	GLN	2.4
9	AG	5	ARG	2.4
23	CU	24	ARG	2.4
27	BD	217	ARG	2.4
31	DH	157	TYR	2.4
45	BY	50	ARG	2.4
6	CD	71	SER	2.4
11	AI	102	LEU	2.4
14	CL	26	LEU	2.4
15	AM	96	LEU	2.4
28	BE	195	LEU	2.4
31	DH	148	ILE	2.4
32	BI	88	ILE	2.4
45	BY	31	LEU	2.4
9	CG	33	ASP	2.4
41	DU	13	LYS	2.4
29	DF	133	ASN	2.4
53	B6	24	GLU	2.4
4	AB	99	GLY	2.4
16	CN	30	ALA	2.4
29	DF	167	ALA	2.4
44	BX	34	ALA	2.4
45	BY	69	ALA	2.4
29	DF	193	VAL	2.4
26	DB	118	G	2.4
44	BX	3	THR	2.4
1	CA	1394	A	2.4

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Mol	Chain	Res	Type	RSRZ
30	BG	138	GLN	2.4
48	D1	26	ARG	2.4
5	AC	157	ILE	2.3
5	CC	91	LEU	2.3
12	CJ	85	LEU	2.3
19	CQ	59	ILE	2.3
21	AS	42	PRO	2.3
30	BG	39	ILE	2.3
41	BU	95	LEU	2.3
49	B2	10	LEU	2.3
23	AU	3	LYS	2.3
34	BN	141	LYS	2.3
40	DT	8	LYS	2.3
38	DR	6	SER	2.3
2	CY	32	C	2.3
25	DA	537	C	2.3
5	CC	159	GLY	2.3
6	CD	2	GLY	2.3
15	CM	5	ALA	2.3
22	AT	73	HIS	2.3
21	CS	11	VAL	2.3
24	CX	44	VAL	2.3
31	DH	156	ALA	2.3
35	BO	16	ALA	2.3
12	AJ	60	ARG	2.3
29	BF	72	ARG	2.3
6	CD	11	LEU	2.3
9	CG	104	LEU	2.3
9	CG	106	GLN	2.3
14	AL	22	LYS	2.3
16	AN	58	LYS	2.3
33	DJ	17	LEU	2.3
9	AG	154	TYR	2.3
31	BH	112	PRO	2.3
41	DU	24	TYR	2.3
25	BA	614	U	2.3
25	BA	1384	A	2.3
25	BA	1762	A	2.3
1	CA	111	G	2.3
25	BA	2120	G	2.3
25	BA	2211	G	2.3
25	DA	7	G	2.3

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Mol	Chain	Res	Type	RSRZ
25	DA	2190	G	2.3
21	CS	35	SER	2.3
24	CX	33	SER	2.3
18	CP	68	ASP	2.3
29	DF	96	ASP	2.3
30	DG	164	GLU	2.3
31	DH	167	GLU	2.3
14	AL	127	ALA	2.3
6	CD	153	ARG	2.3
7	AE	90	VAL	2.3
36	DP	54	GLY	2.3
17	AO	72	ARG	2.3
23	CU	22	ARG	2.3
47	D0	20	ARG	2.3
6	AD	19	LEU	2.3
22	AT	14	LYS	2.3
51	D4	53	THR	2.3
37	BQ	66	ILE	2.3
40	BT	75	ILE	2.3
28	BE	56	PRO	2.3
31	DH	123	PHE	2.3
25	DA	270(M)	U	2.3
25	DA	614	U	2.3
14	CL	126	GLU	2.3
22	CT	60	GLU	2.3
22	CT	75	ASN	2.3
25	DA	1637	A	2.3
5	AC	171	GLY	2.3
27	BD	51	VAL	2.3
27	BD	52	ARG	2.3
30	BG	164	GLU	2.3
38	BR	11	ASN	2.3
43	DW	78	GLU	2.3
27	DD	236	GLY	2.3
31	BH	100	GLY	2.3
36	BP	19	VAL	2.3
48	D1	15	ALA	2.3
4	CB	140	HIS	2.3
14	CL	118	LYS	2.3
25	DA	2120	G	2.3
39	BS	93	LYS	2.3
5	AC	167	TRP	2.3

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Mol	Chain	Res	Type	RSRZ
1	AA	972	C	2.3
1	CA	307	C	2.3
9	CG	112	PRO	2.3
11	AI	123	PRO	2.3
12	CJ	39	PRO	2.3
24	AX	68	PRO	2.3
12	AJ	47	PHE	2.3
18	AP	17	TYR	2.3
29	BF	97	TYR	2.3
42	BV	80	GLN	2.3
41	DU	106	PHE	2.3
12	AJ	5	ARG	2.3
16	AN	57	ARG	2.3
18	CP	5	ARG	2.3
41	DU	10	ARG	2.3
32	BI	15	VAL	2.3
45	DY	17	SER	2.3
5	AC	150	LYS	2.3
16	CN	11	LYS	2.3
28	BE	152	LYS	2.3
35	DO	26	LYS	2.3
38	DR	5	LYS	2.3
39	DS	22	GLY	2.3
42	DV	6	LYS	2.3
44	DX	33	LYS	2.3
45	BY	4	LYS	2.3
48	B1	36	GLY	2.3
12	CJ	65	LEU	2.3
24	AX	66	ASP	2.3
29	BF	185	ASP	2.3
33	DJ	9	LEU	2.3
47	D0	56	ASP	2.3
24	CX	95	HIS	2.3
53	B6	34	LEU	2.3
13	CK	42	TRP	2.3
31	DH	136	ILE	2.3
14	AL	4	PRO	2.3
24	CX	186	THR	2.3
36	DP	30	THR	2.3
53	B6	14	THR	2.3
23	AU	18	TYR	2.3
1	AA	110	C	2.3

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Mol	Chain	Res	Type	RSRZ
25	BA	2803	C	2.3
25	BA	2804	C	2.3
14	AL	46	LYS	2.3
34	DN	93	LYS	2.3
5	CC	169	ALA	2.3
11	CI	6	GLY	2.3
11	CI	43	ALA	2.3
27	DD	41	GLY	2.3
30	BG	46	ALA	2.3
38	DR	97	VAL	2.3
53	B6	52	VAL	2.3
37	BQ	30	GLY	2.3
7	CE	81	GLU	2.3
39	BS	24	LEU	2.3
48	B1	65	SER	2.3
12	AJ	62	HIS	2.2
16	CN	61	TRP	2.2
23	AU	17	THR	2.2
34	BN	109	PRO	2.2
45	BY	56	PRO	2.2
46	DZ	83	PRO	2.2
47	D0	57	PHE	2.2
1	CA	968	A	2.2
24	CX	305	TYR	2.2
16	CN	3	ARG	2.2
18	CP	26	ARG	2.2
27	DD	43	ARG	2.2
28	BE	111	ARG	2.2
40	DT	95	ARG	2.2
36	DP	71	VAL	2.2
39	DS	85	VAL	2.2
43	BW	85	VAL	2.2
22	AT	36	LEU	2.2
38	DR	4	LEU	2.2
46	DZ	24	LEU	2.2
49	D2	64	LEU	2.2
1	CA	225	C	2.2
7	CE	111	GLU	2.2
25	BA	2318	G	2.2
25	DA	982	C	2.2
25	DA	2101	G	2.2
4	AB	172	ILE	2.2

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Mol	Chain	Res	Type	RSRZ
14	CL	31	PHE	2.2
30	BG	93	THR	2.2
32	BI	76	THR	2.2
1	CA	1235	U	2.2
6	CD	65	ARG	2.2
10	AH	69	ARG	2.2
15	CM	114	ARG	2.2
22	AT	22	ARG	2.2
23	AU	7	ARG	2.2
27	BD	168	ARG	2.2
30	DG	115	ARG	2.2
36	DP	16	ARG	2.2
38	BR	68	ARG	2.2
39	BS	89	ARG	2.2
14	CL	90	LYS	2.2
14	CL	113	LYS	2.2
23	CU	21	TYR	2.2
43	BW	9	TYR	2.2
55	B8	35	GLN	2.2
27	DD	226	MET	2.2
32	DI	131	LYS	2.2
50	B3	59	VAL	2.2
53	B6	48	VAL	2.2
1	CA	975	A	2.2
15	CM	56	LEU	2.2
25	BA	1095	A	2.2
28	BE	114	ALA	2.2
42	DV	9	GLY	2.2
18	CP	33	ILE	2.2
15	AM	8	GLU	2.2
37	DQ	105	GLU	2.2
14	CL	98	HIS	2.2
2	AZ	28	C	2.2
2	AZ	75	C	2.2
6	AD	102	ASP	2.2
21	AS	12	ASP	2.2
26	BB	88	C	2.2
31	BH	123	PHE	2.2
37	DQ	65	PHE	2.2
37	DQ	138	ASP	2.2
43	DW	34	ASN	2.2
47	B0	71	ASP	2.2

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Mol	Chain	Res	Type	RSRZ
6	CD	76	ARG	2.2
13	AK	126	ARG	2.2
1	AA	306	G	2.2
22	AT	74	LYS	2.2
25	BA	2125	G	2.2
25	DA	2276	G	2.2
30	BG	84	LYS	2.2
42	BV	85	LYS	2.2
49	D2	2	LYS	2.2
55	D8	59	LYS	2.2
34	DN	95	TYR	2.2
4	CB	229	VAL	2.2
38	BR	48	VAL	2.2
50	D3	54	VAL	2.2
6	AD	157	LEU	2.2
24	CX	18	LEU	2.2
30	BG	106	LEU	2.2
25	BA	1535	U	2.2
25	DA	2122	U	2.2
30	BG	73	ALA	2.2
18	AP	19	ILE	2.2
1	CA	1531	A	2.2
5	AC	19	GLU	2.2
32	DI	133	HIS	2.2
14	AL	21	SER	2.2
9	AG	29	LYS	2.2
10	CH	101	PRO	2.2
31	DH	69	ARG	2.2
28	DE	155	LYS	2.2
37	BQ	39	PRO	2.2
37	DQ	126	PRO	2.2
55	D8	30	ARG	2.2
33	DJ	56	ASN	2.2
41	DU	44	ASN	2.2
45	DY	34	LYS	2.2
7	CE	135	THR	2.2
2	AZ	1	C	2.2
2	AZ	61	C	2.2
5	AC	184	TYR	2.2
6	AD	135	LEU	2.2
10	CH	94	TYR	2.2
12	AJ	88	LEU	2.2

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Mol	Chain	Res	Type	RSRZ
21	CS	5	LEU	2.2
24	CX	159	VAL	2.2
25	BA	1387	C	2.2
25	BA	2143	C	2.2
25	DA	34	C	2.2
25	DA	280	C	2.2
25	DA	2178	C	2.2
27	BD	175	LEU	2.2
29	DF	24	LEU	2.2
30	DG	12	TYR	2.2
36	DP	68	GLN	2.2
41	BU	4	ALA	2.2
14	AL	94	GLY	2.2
48	B1	31	GLY	2.2
1	AA	95	G	2.2
5	CC	5	ILE	2.2
25	BA	10	G	2.2
25	BA	1047	G	2.2
25	BA	2308	G	2.2
48	B1	18	ILE	2.2
50	D3	13	ILE	2.2
1	AA	1281	U	2.2
1	CA	1358	U	2.2
15	AM	32	GLU	2.2
4	AB	163	PHE	2.2
12	CJ	47	PHE	2.2
16	CN	35	ARG	2.2
17	CO	51	HIS	2.2
18	AP	25	ARG	2.2
28	BE	73	GLU	2.2
30	DG	178	PHE	2.2
36	DP	130	PHE	2.2
38	BR	61	HIS	2.2
40	BT	101	PHE	2.2
47	B0	74	ARG	2.2
48	D1	52	ARG	2.2
55	D8	8	LYS	2.2
1	CA	1225	A	2.2
22	CT	31	SER	2.2
22	CT	26	ASN	2.2
28	BE	121	ASN	2.2
40	BT	2	ASN	2.2

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Mol	Chain	Res	Type	RSRZ
7	CE	31	LEU	2.2
24	CX	183	VAL	2.2
29	BF	174	VAL	2.2
29	DF	126	VAL	2.2
38	DR	111	LEU	2.2
42	DV	94	LEU	2.2
44	BX	27	THR	2.2
50	D3	59	VAL	2.2
55	D8	61	LEU	2.2
28	DE	114	ALA	2.1
46	BZ	173	ALA	2.1
47	D0	61	ALA	2.1
13	AK	46	GLY	2.1
6	AD	12	CYS	2.1
37	DQ	131	ILE	2.1
1	CA	43	C	2.1
48	B1	50	ARG	2.1
5	AC	10	PHE	2.1
21	AS	7	LYS	2.1
24	AX	301	LYS	2.1
28	BE	51	PHE	2.1
35	DO	111	PHE	2.1
37	DQ	104	PHE	2.1
1	CA	950	U	2.1
4	CB	26	PRO	2.1
25	BA	2149	G	2.1
25	DA	2121	G	2.1
25	DA	2211	G	2.1
25	DA	2319	G	2.1
21	CS	9	VAL	2.1
24	CX	82	LEU	2.1
32	DI	81	VAL	2.1
33	BJ	13	LEU	2.1
34	DN	145	VAL	2.1
18	CP	22	THR	2.1
31	BH	68	THR	2.1
6	CD	102	ASP	2.1
27	DD	166	GLN	2.1
30	DG	131	TYR	2.1
1	CA	134	A	2.1
10	CH	100	ILE	2.1
48	B1	9	GLY	2.1

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Mol	Chain	Res	Type	RSRZ
10	AH	85	ARG	2.1
22	AT	17	ARG	2.1
22	CT	17	ARG	2.1
27	BD	213	ARG	2.1
39	BS	30	ARG	2.1
6	AD	22	LYS	2.1
38	BR	5	LYS	2.1
27	BD	231	HIS	2.1
26	DB	49	C	2.1
31	BH	55	PRO	2.1
10	CH	2	LEU	2.1
11	CI	79	LEU	2.1
17	CO	70	LEU	2.1
18	CP	60	LEU	2.1
32	DI	128	LEU	2.1
36	BP	67	MET	2.1
5	AC	138	VAL	2.1
30	BG	28	VAL	2.1
45	BY	42	VAL	2.1
46	BZ	165	VAL	2.1
46	DZ	86	VAL	2.1
55	D8	14	VAL	2.1
14	CL	29	ALA	2.1
37	BQ	107	ALA	2.1
48	D1	35	THR	2.1
4	CB	148	TYR	2.1
7	AE	29	GLY	2.1
7	CE	124	GLY	2.1
18	CP	19	ILE	2.1
27	BD	9	TYR	2.1
49	D2	71	ASN	2.1
53	B6	39	TYR	2.1
24	CX	309	GLN	2.1
9	CG	78	ARG	2.1
22	CT	83	ARG	2.1
25	DA	1591	G	2.1
44	DX	6	ASP	2.1
29	DF	44	ARG	2.1
30	DG	95	ARG	2.1
38	DR	104	ARG	2.1
25	BA	1046	A	2.1
25	BA	1085	A	2.1

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Mol	Chain	Res	Type	RSRZ
25	BA	1847	A	2.1
40	BT	79	HIS	2.1
10	AH	2	LEU	2.1
15	AM	64	TRP	2.1
30	BG	111	LEU	2.1
32	BI	30	LEU	2.1
39	BS	48	LEU	2.1
39	DS	56	LEU	2.1
31	BH	114	VAL	2.1
35	DO	69	VAL	2.1
38	BR	114	VAL	2.1
46	DZ	27	VAL	2.1
1	CA	135	C	2.1
1	CA	136	C	2.1
4	CB	218	ALA	2.1
25	BA	115	C	2.1
25	BA	1043	C	2.1
25	DA	2402	C	2.1
27	BD	240	ALA	2.1
37	DQ	95	ALA	2.1
45	BY	78	ALA	2.1
5	CC	157	ILE	2.1
6	AD	89	THR	2.1
23	CU	8	THR	2.1
39	BS	53	SER	2.1
39	DS	35	ILE	2.1
47	D0	10	THR	2.1
10	AH	94	TYR	2.1
11	AI	128	ARG	2.1
11	CI	42	ARG	2.1
22	CT	86	ARG	2.1
9	AG	11	GLN	2.1
11	CI	112	LYS	2.1
25	BA	1082	U	2.1
32	DI	106	GLY	2.1
34	DN	98	TYR	2.1
34	DN	141	LYS	2.1
36	BP	41	ARG	2.1
45	BY	59	GLY	2.1
49	D2	8	LYS	2.1
53	B6	33	LYS	2.1
10	AH	25	ASP	2.1

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Mol	Chain	Res	Type	RSRZ
18	AP	68	ASP	2.1
24	AX	155	PHE	2.1
39	BS	87	PHE	2.1
40	DT	101	PHE	2.1
4	CB	101	MET	2.1
12	CJ	41	PRO	2.1
24	CX	1	MET	2.1
31	BH	12	PRO	2.1
29	DF	173	VAL	2.1
30	BG	31	VAL	2.1
37	DQ	106	VAL	2.1
41	BU	37	GLU	2.1
55	B8	51	ALA	2.1
55	D8	24	ALA	2.1
11	AI	116	LYS	2.1
11	CI	113	LYS	2.1
18	CP	31	LYS	2.1
22	AT	29	LYS	2.1
27	BD	136	ILE	2.1
28	DE	79	ARG	2.1
34	BN	132	LYS	2.1
34	DN	160	LYS	2.1
37	BQ	63	LYS	2.1
37	BQ	64	ILE	2.1
37	DQ	63	LYS	2.1
48	B1	33	LYS	2.1
11	AI	125	TYR	2.1
23	CU	11	GLY	2.1
24	CX	153	GLY	2.1
24	CX	230	GLN	2.1
27	DD	203	ASN	2.1
39	DS	16	ASN	2.1
1	CA	1043	C	2.1
2	AY	1	C	2.1
1	CA	1257	U	2.1
2	CY	36	U	2.1
11	AI	101	PHE	2.1
5	AC	188	LEU	2.1
28	DE	117	MET	2.1
29	BF	123	LEU	2.1
34	BN	135	LEU	2.1
44	DX	92	LEU	2.1

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Mol	Chain	Res	Type	RSRZ
55	B8	61	LEU	2.1
5	AC	130	VAL	2.1
6	CD	197	PRO	2.1
7	CE	106	PRO	2.1
9	CG	153	HIS	2.1
27	BD	228	PRO	2.1
49	B2	63	VAL	2.1
11	CI	2	GLU	2.1
5	CC	179	ARG	2.0
6	CD	86	LYS	2.0
7	CE	24	ARG	2.0
10	CH	110	ALA	2.0
11	CI	104	ARG	2.0
31	DH	146	ALA	2.0
44	BX	65	ARG	2.0
45	BY	94	LYS	2.0
1	CA	727	G	2.0
25	BA	275	G	2.0
36	DP	24	GLY	2.0
47	B0	13	GLY	2.0
5	AC	201	TYR	2.0
32	DI	108	THR	2.0
37	BQ	26	TYR	2.0
48	B1	35	THR	2.0
52	B5	52	TYR	2.0
39	DS	27	SER	2.0
24	AX	100	ASP	2.0
28	BE	174	ASP	2.0
29	DF	148	LEU	2.0
31	BH	71	LEU	2.0
1	AA	1397	C	2.0
1	CA	1125	U	2.0
2	AZ	74	C	2.0
6	AD	197	PRO	2.0
18	CP	15	PRO	2.0
27	BD	34	VAL	2.0
30	DG	17	PRO	2.0
36	DP	78	PRO	2.0
39	BS	14	VAL	2.0
41	BU	90	VAL	2.0
12	AJ	56	HIS	2.0
18	CP	13	HIS	2.0

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Mol	Chain	Res	Type	RSRZ
24	CX	148	HIS	2.0
27	BD	186	HIS	2.0
7	AE	88	LYS	2.0
11	AI	112	LYS	2.0
12	AJ	66	ARG	2.0
24	AX	62	GLU	2.0
29	DF	142	TRP	2.0
36	BP	107	LYS	2.0
37	BQ	139	GLU	2.0
50	B3	7	LYS	2.0
55	D8	13	ARG	2.0
4	CB	77	ALA	2.0
4	CB	186	ALA	2.0
6	CD	126	ILE	2.0
37	DQ	107	ALA	2.0
40	BT	102	ILE	2.0
27	BD	223	GLY	2.0
36	BP	20	GLY	2.0
45	BY	58	GLY	2.0
55	D8	38	GLY	2.0
12	CJ	67	THR	2.0
16	AN	21	TYR	2.0
37	BQ	137	TYR	2.0
38	DR	21	TYR	2.0
44	DX	37	THR	2.0
22	CT	90	GLN	2.0
3	CV	12	A	2.0
25	BA	2801	A	2.0
5	AC	87	LEU	2.0
19	CQ	84	LEU	2.0
36	BP	25	SER	2.0
43	DW	40	ASN	2.0
45	BY	43	ASN	2.0
1	CA	107	G	2.0
1	CA	108	G	2.0
7	AE	82	VAL	2.0
19	CQ	21	VAL	2.0
36	DP	19	VAL	2.0
53	D6	52	VAL	2.0
12	AJ	70	ARG	2.0
14	AL	27	LYS	2.0
36	DP	64	LYS	2.0

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Mol	Chain	Res	Type	RSRZ
44	DX	72	LYS	2.0
45	BY	81	LYS	2.0
45	DY	87	LYS	2.0
47	D0	44	ARG	2.0
7	AE	81	GLU	2.0
11	CI	110	GLU	2.0
27	BD	169	GLU	2.0
1	CA	723	U	2.0
1	CA	743	U	2.0
6	AD	67	ILE	2.0
30	BG	20	ILE	2.0
31	DH	58	GLU	2.0
25	BA	1081	U	2.0
25	BA	1113	U	2.0
25	DA	2897	U	2.0
38	DR	41	ALA	2.0
47	D0	18	ALA	2.0
1	CA	1030	C	2.0
25	DA	2136	C	2.0
33	DJ	67	GLY	2.0
36	BP	44	GLY	2.0
39	BS	108	GLY	2.0

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

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

5.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.4 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
56	MG	BA	3298	1/1	0.73	0.07	5,5,5,5	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1917	1/1	0.74	0.11	70,70,70,70	0
56	MG	BA	3677	1/1	0.82	0.13	63,63,63,63	0
56	MG	BG	203	1/1	0.82	0.23	54,54,54,54	0
56	MG	BA	3589	1/1	0.82	0.17	62,62,62,62	0
56	MG	BR	202	1/1	0.83	0.18	61,61,61,61	0
56	MG	BA	3746	1/1	0.83	0.11	65,65,65,65	0
56	MG	DH	202	1/1	0.85	0.08	64,64,64,64	0
56	MG	CA	1931	1/1	0.86	0.13	59,59,59,59	0
56	MG	CP	101	1/1	0.86	0.11	57,57,57,57	0
56	MG	BA	3587	1/1	0.86	0.11	41,41,41,41	0
56	MG	BA	3539	1/1	0.87	0.07	77,77,77,77	0
56	MG	CA	1660	1/1	0.87	0.02	10,10,10,10	0
56	MG	CA	1826	1/1	0.87	0.12	65,65,65,65	0
56	MG	BA	3708	1/1	0.87	0.12	60,60,60,60	0
56	MG	BA	3340	1/1	0.87	0.16	49,49,49,49	0
56	MG	BA	3763	1/1	0.87	0.08	55,55,55,55	0
56	MG	BA	3453	1/1	0.87	0.08	43,43,43,43	0
56	MG	DA	3659	1/1	0.87	0.10	66,66,66,66	0
56	MG	BF	301	1/1	0.88	0.15	39,39,39,39	0
56	MG	CX	407	1/1	0.88	0.16	70,70,70,70	0
56	MG	CA	1950	1/1	0.88	0.09	67,67,67,67	0
56	MG	DA	3547	1/1	0.88	0.08	48,48,48,48	0
56	MG	CA	1982	1/1	0.88	0.22	63,63,63,63	0
56	MG	DA	3722	1/1	0.88	0.13	54,54,54,54	0
56	MG	AA	1654	1/1	0.89	0.12	80,80,80,80	0
56	MG	AA	1795	1/1	0.89	0.06	65,65,65,65	0
56	MG	AX	405	1/1	0.89	0.09	58,58,58,58	0
56	MG	CC	304	1/1	0.89	0.21	93,93,93,93	0
56	MG	CA	1614	1/1	0.89	0.07	39,39,39,39	0
56	MG	CA	1646	1/1	0.89	0.19	45,45,45,45	0
56	MG	BA	3714	1/1	0.89	0.09	61,61,61,61	0
56	MG	DA	3170	1/1	0.89	0.02	8,8,8,8	0
56	MG	DA	3178	1/1	0.89	0.09	47,47,47,47	0
56	MG	DA	3440	1/1	0.89	0.14	71,71,71,71	0
56	MG	DA	3541	1/1	0.89	0.10	53,53,53,53	0
56	MG	CA	1719	1/1	0.89	0.08	58,58,58,58	0
56	MG	BA	3151	1/1	0.89	0.09	52,52,52,52	0
56	MG	DA	3673	1/1	0.89	0.15	65,65,65,65	0
56	MG	BA	3181	1/1	0.89	0.09	51,51,51,51	0
56	MG	DA	3754	1/1	0.89	0.12	59,59,59,59	0
56	MG	AA	1890	1/1	0.90	0.10	39,39,39,39	0
56	MG	AA	1884	1/1	0.90	0.08	55,55,55,55	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1678	1/1	0.90	0.07	65,65,65,65	0
56	MG	CA	1991	1/1	0.90	0.09	57,57,57,57	0
56	MG	DA	3546	1/1	0.90	0.09	82,82,82,82	0
56	MG	CZ	118	1/1	0.90	0.11	69,69,69,69	0
56	MG	DA	3554	1/1	0.90	0.07	71,71,71,71	0
56	MG	BA	3591	1/1	0.90	0.07	50,50,50,50	0
56	MG	DA	3668	1/1	0.90	0.06	42,42,42,42	0
56	MG	BA	3661	1/1	0.90	0.20	67,67,67,67	0
56	MG	DA	3698	1/1	0.90	0.20	73,73,73,73	0
56	MG	CA	1862	1/1	0.90	0.12	71,71,71,71	0
56	MG	DA	3746	1/1	0.90	0.08	43,43,43,43	0
56	MG	BA	3754	1/1	0.90	0.20	70,70,70,70	0
56	MG	DA	3758	1/1	0.90	0.13	63,63,63,63	0
56	MG	DB	222	1/1	0.90	0.12	59,59,59,59	0
56	MG	DA	3138	1/1	0.91	0.12	52,52,52,52	0
56	MG	AA	1876	1/1	0.91	0.07	57,57,57,57	0
56	MG	BA	3164	1/1	0.91	0.12	51,51,51,51	0
56	MG	DA	3287	1/1	0.91	0.10	62,62,62,62	0
56	MG	AE	201	1/1	0.91	0.10	60,60,60,60	0
56	MG	DA	3472	1/1	0.91	0.08	39,39,39,39	0
56	MG	BA	3772	1/1	0.91	0.20	57,57,57,57	0
56	MG	BB	218	1/1	0.91	0.06	51,51,51,51	0
56	MG	BA	3184	1/1	0.91	0.08	64,64,64,64	0
56	MG	BA	3197	1/1	0.91	0.07	46,46,46,46	0
56	MG	BA	3595	1/1	0.91	0.12	61,61,61,61	0
56	MG	CA	2008	1/1	0.91	0.16	53,53,53,53	0
56	MG	AK	201	1/1	0.91	0.08	66,66,66,66	0
56	MG	DA	3688	1/1	0.91	0.08	63,63,63,63	0
56	MG	CY	109	1/1	0.91	0.08	68,68,68,68	0
56	MG	CY	111	1/1	0.91	0.10	39,39,39,39	0
56	MG	CA	1619	1/1	0.91	0.08	66,66,66,66	0
56	MG	BA	3321	1/1	0.91	0.06	51,51,51,51	0
56	MG	DA	3756	1/1	0.91	0.07	53,53,53,53	0
56	MG	AA	1741	1/1	0.91	0.11	32,32,32,32	0
56	MG	DB	212	1/1	0.91	0.08	45,45,45,45	0
56	MG	BA	3380	1/1	0.91	0.08	56,56,56,56	0
56	MG	CE	201	1/1	0.92	0.09	70,70,70,70	0
56	MG	AA	1740	1/1	0.92	0.06	53,53,53,53	0
56	MG	BA	3700	1/1	0.92	0.08	67,67,67,67	0
56	MG	CA	1666	1/1	0.92	0.11	50,50,50,50	0
56	MG	DA	3004	1/1	0.92	0.12	42,42,42,42	0
56	MG	AA	1845	1/1	0.92	0.08	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1867	1/1	0.92	0.11	49,49,49,49	0
56	MG	BA	3725	1/1	0.92	0.11	52,52,52,52	0
56	MG	DA	3192	1/1	0.92	0.06	67,67,67,67	0
56	MG	BA	3134	1/1	0.92	0.08	61,61,61,61	0
56	MG	DA	3385	1/1	0.92	0.10	56,56,56,56	0
56	MG	DA	3428	1/1	0.92	0.10	61,61,61,61	0
56	MG	CA	1873	1/1	0.92	0.07	62,62,62,62	0
56	MG	CA	1886	1/1	0.92	0.10	62,62,62,62	0
56	MG	CA	1905	1/1	0.92	0.12	64,64,64,64	0
56	MG	CA	1915	1/1	0.92	0.12	56,56,56,56	0
56	MG	BA	3415	1/1	0.92	0.12	52,52,52,52	0
56	MG	CA	1919	1/1	0.92	0.13	64,64,64,64	0
56	MG	DA	3567	1/1	0.92	0.09	74,74,74,74	0
56	MG	BA	3759	1/1	0.92	0.07	41,41,41,41	0
56	MG	AA	1676	1/1	0.92	0.13	49,49,49,49	0
56	MG	BA	3153	1/1	0.92	0.05	60,60,60,60	0
56	MG	DA	3675	1/1	0.92	0.17	55,55,55,55	0
56	MG	AA	1745	1/1	0.92	0.07	62,62,62,62	0
56	MG	DA	3689	1/1	0.92	0.06	45,45,45,45	0
56	MG	CA	1994	1/1	0.92	0.09	58,58,58,58	0
56	MG	CA	2007	1/1	0.92	0.07	60,60,60,60	0
56	MG	AA	1764	1/1	0.92	0.08	61,61,61,61	0
56	MG	CZ	116	1/1	0.92	0.07	81,81,81,81	0
56	MG	AY	104	1/1	0.92	0.09	38,38,38,38	0
56	MG	BA	3187	1/1	0.92	0.10	65,65,65,65	0
56	MG	BA	3658	1/1	0.92	0.07	56,56,56,56	0
56	MG	AC	303	1/1	0.92	0.13	51,51,51,51	0
56	MG	BA	3755	1/1	0.93	0.07	64,64,64,64	0
56	MG	BA	3162	1/1	0.93	0.15	41,41,41,41	0
56	MG	BA	3474	1/1	0.93	0.16	48,48,48,48	0
56	MG	CA	2000	1/1	0.93	0.08	45,45,45,45	0
56	MG	BA	3764	1/1	0.93	0.07	36,36,36,36	0
56	MG	BA	3766	1/1	0.93	0.06	44,44,44,44	0
56	MG	AA	1636	1/1	0.93	0.14	64,64,64,64	0
56	MG	BA	3803	1/1	0.93	0.20	55,55,55,55	0
56	MG	BB	206	1/1	0.93	0.06	65,65,65,65	0
56	MG	BA	3563	1/1	0.93	0.06	55,55,55,55	0
56	MG	CC	302	1/1	0.93	0.10	56,56,56,56	0
56	MG	BA	3566	1/1	0.93	0.09	45,45,45,45	0
56	MG	BA	3572	1/1	0.93	0.09	72,72,72,72	0
56	MG	CO	102	1/1	0.93	0.04	73,73,73,73	0
56	MG	AA	1829	1/1	0.93	0.12	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1688	1/1	0.93	0.07	52,52,52,52	0
56	MG	AX	401	1/1	0.93	0.06	55,55,55,55	0
56	MG	CA	1625	1/1	0.93	0.12	60,60,60,60	0
56	MG	DA	3134	1/1	0.93	0.06	61,61,61,61	0
56	MG	CA	1635	1/1	0.93	0.11	39,39,39,39	0
56	MG	AA	1895	1/1	0.93	0.07	50,50,50,50	0
56	MG	DA	3171	1/1	0.93	0.08	52,52,52,52	0
56	MG	BA	3597	1/1	0.93	0.14	40,40,40,40	0
56	MG	BA	3214	1/1	0.93	0.15	62,62,62,62	0
56	MG	DA	3214	1/1	0.93	0.07	46,46,46,46	0
56	MG	DA	3257	1/1	0.93	0.06	32,32,32,32	0
56	MG	CA	1668	1/1	0.93	0.05	55,55,55,55	0
56	MG	DA	3332	1/1	0.93	0.07	50,50,50,50	0
56	MG	DA	3355	1/1	0.93	0.12	39,39,39,39	0
56	MG	BA	3277	1/1	0.93	0.13	54,54,54,54	0
56	MG	DA	3412	1/1	0.93	0.06	50,50,50,50	0
56	MG	DA	3418	1/1	0.93	0.08	54,54,54,54	0
56	MG	CA	1701	1/1	0.93	0.06	40,40,40,40	0
56	MG	DA	3435	1/1	0.93	0.08	41,41,41,41	0
56	MG	BA	3668	1/1	0.93	0.11	50,50,50,50	0
56	MG	CA	1720	1/1	0.93	0.10	51,51,51,51	0
56	MG	DA	3532	1/1	0.93	0.08	65,65,65,65	0
56	MG	DA	3535	1/1	0.93	0.05	42,42,42,42	0
56	MG	CA	1749	1/1	0.93	0.06	41,41,41,41	0
56	MG	CA	1761	1/1	0.93	0.21	45,45,45,45	0
56	MG	CA	1768	1/1	0.93	0.05	39,39,39,39	0
56	MG	BA	3671	1/1	0.93	0.08	57,57,57,57	0
56	MG	BA	3012	1/1	0.93	0.07	36,36,36,36	0
56	MG	DA	3604	1/1	0.93	0.08	43,43,43,43	0
56	MG	DA	3609	1/1	0.93	0.12	62,62,62,62	0
56	MG	BA	3684	1/1	0.93	0.08	46,46,46,46	0
56	MG	DA	3661	1/1	0.93	0.12	80,80,80,80	0
56	MG	CA	1877	1/1	0.93	0.12	60,60,60,60	0
56	MG	CA	1881	1/1	0.93	0.13	47,47,47,47	0
56	MG	BA	3129	1/1	0.93	0.06	34,34,34,34	0
56	MG	DA	3683	1/1	0.93	0.14	89,89,89,89	0
56	MG	BA	3326	1/1	0.93	0.08	46,46,46,46	0
56	MG	AA	1674	1/1	0.93	0.15	74,74,74,74	0
56	MG	DA	3695	1/1	0.93	0.07	52,52,52,52	0
56	MG	BA	3344	1/1	0.93	0.08	42,42,42,42	0
56	MG	CA	1918	1/1	0.93	0.10	44,44,44,44	0
56	MG	DA	3731	1/1	0.93	0.06	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3736	1/1	0.93	0.06	64,64,64,64	0
56	MG	BA	3733	1/1	0.93	0.21	43,43,43,43	0
56	MG	AY	109	1/1	0.93	0.13	63,63,63,63	0
56	MG	CA	1937	1/1	0.93	0.15	56,56,56,56	0
56	MG	AY	116	1/1	0.93	0.10	51,51,51,51	0
56	MG	CA	1970	1/1	0.93	0.06	63,63,63,63	0
56	MG	CA	1974	1/1	0.93	0.08	54,54,54,54	0
56	MG	BA	3624	1/1	0.94	0.14	82,82,82,82	0
56	MG	BA	3279	1/1	0.94	0.09	39,39,39,39	0
56	MG	AX	406	1/1	0.94	0.13	36,36,36,36	0
56	MG	BA	3664	1/1	0.94	0.06	41,41,41,41	0
56	MG	DP	205	1/1	0.94	0.06	42,42,42,42	0
56	MG	BA	3667	1/1	0.94	0.06	63,63,63,63	0
56	MG	BA	3304	1/1	0.94	0.08	42,42,42,42	0
56	MG	AA	1905	1/1	0.94	0.09	40,40,40,40	0
56	MG	BA	3672	1/1	0.94	0.04	45,45,45,45	0
56	MG	BA	3045	1/1	0.94	0.08	40,40,40,40	0
56	MG	BA	3681	1/1	0.94	0.14	62,62,62,62	0
56	MG	BA	3329	1/1	0.94	0.04	49,49,49,49	0
56	MG	DA	3200	1/1	0.94	0.06	43,43,43,43	0
56	MG	CA	1791	1/1	0.94	0.09	43,43,43,43	0
56	MG	BA	3692	1/1	0.94	0.05	41,41,41,41	0
56	MG	AA	1677	1/1	0.94	0.06	49,49,49,49	0
56	MG	DA	3302	1/1	0.94	0.08	31,31,31,31	0
56	MG	DA	3330	1/1	0.94	0.07	36,36,36,36	0
56	MG	BA	3133	1/1	0.94	0.07	48,48,48,48	0
56	MG	DA	3351	1/1	0.94	0.08	38,38,38,38	0
56	MG	BA	3364	1/1	0.94	0.10	60,60,60,60	0
56	MG	BA	3372	1/1	0.94	0.10	38,38,38,38	0
56	MG	CA	1882	1/1	0.94	0.11	35,35,35,35	0
56	MG	BA	3726	1/1	0.94	0.07	66,66,66,66	0
56	MG	CA	1904	1/1	0.94	0.06	42,42,42,42	0
56	MG	DA	3429	1/1	0.94	0.07	48,48,48,48	0
56	MG	AA	1650	1/1	0.94	0.06	50,50,50,50	0
56	MG	BA	3742	1/1	0.94	0.06	46,46,46,46	0
56	MG	DA	3456	1/1	0.94	0.06	37,37,37,37	0
56	MG	BA	3400	1/1	0.94	0.06	35,35,35,35	0
56	MG	DA	3514	1/1	0.94	0.10	44,44,44,44	0
56	MG	DA	3516	1/1	0.94	0.05	62,62,62,62	0
56	MG	AA	1852	1/1	0.94	0.06	45,45,45,45	0
56	MG	BA	3448	1/1	0.94	0.08	45,45,45,45	0
56	MG	CA	1930	1/1	0.94	0.10	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3542	1/1	0.94	0.13	48,48,48,48	0
56	MG	BA	3449	1/1	0.94	0.09	31,31,31,31	0
56	MG	AY	120	1/1	0.94	0.05	47,47,47,47	0
56	MG	CA	1943	1/1	0.94	0.13	48,48,48,48	0
56	MG	AA	1762	1/1	0.94	0.07	52,52,52,52	0
56	MG	DA	3594	1/1	0.94	0.08	83,83,83,83	0
56	MG	DA	3601	1/1	0.94	0.06	45,45,45,45	0
56	MG	CA	1958	1/1	0.94	0.11	51,51,51,51	0
56	MG	CA	1962	1/1	0.94	0.22	41,41,41,41	0
56	MG	DA	3642	1/1	0.94	0.08	26,26,26,26	0
56	MG	DA	3646	1/1	0.94	0.05	55,55,55,55	0
56	MG	DA	3654	1/1	0.94	0.12	41,41,41,41	0
56	MG	AD	304	1/1	0.94	0.07	50,50,50,50	0
56	MG	BA	3558	1/1	0.94	0.10	54,54,54,54	0
56	MG	DA	3664	1/1	0.94	0.16	39,39,39,39	0
56	MG	BA	3788	1/1	0.94	0.07	49,49,49,49	0
56	MG	CA	1988	1/1	0.94	0.10	48,48,48,48	0
56	MG	AA	1690	1/1	0.94	0.06	47,47,47,47	0
56	MG	CA	1992	1/1	0.94	0.08	47,47,47,47	0
56	MG	AA	1779	1/1	0.94	0.12	51,51,51,51	0
56	MG	AQ	201	1/1	0.94	0.16	47,47,47,47	0
56	MG	DA	3694	1/1	0.94	0.05	46,46,46,46	0
56	MG	BB	220	1/1	0.94	0.04	60,60,60,60	0
56	MG	BA	3579	1/1	0.94	0.10	41,41,41,41	0
56	MG	DA	3718	1/1	0.94	0.08	60,60,60,60	0
56	MG	CZ	113	1/1	0.94	0.06	64,64,64,64	0
56	MG	DA	3724	1/1	0.94	0.16	62,62,62,62	0
56	MG	BA	3195	1/1	0.94	0.08	46,46,46,46	0
56	MG	BI	203	1/1	0.94	0.06	40,40,40,40	0
56	MG	CY	105	1/1	0.94	0.06	58,58,58,58	0
56	MG	AA	1625	1/1	0.94	0.06	27,27,27,27	0
56	MG	BA	3205	1/1	0.94	0.06	21,21,21,21	0
56	MG	BA	3592	1/1	0.94	0.08	58,58,58,58	0
56	MG	AX	404	1/1	0.94	0.05	68,68,68,68	0
56	MG	AA	1802	1/1	0.94	0.07	56,56,56,56	0
56	MG	BA	3555	1/1	0.95	0.06	54,54,54,54	0
56	MG	CA	1971	1/1	0.95	0.08	49,49,49,49	0
56	MG	AA	1894	1/1	0.95	0.08	38,38,38,38	0
56	MG	CA	1978	1/1	0.95	0.10	35,35,35,35	0
56	MG	CA	1979	1/1	0.95	0.09	59,59,59,59	0
56	MG	CA	1981	1/1	0.95	0.05	77,77,77,77	0
56	MG	BA	3765	1/1	0.95	0.11	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1985	1/1	0.95	0.04	52,52,52,52	0
56	MG	AA	1800	1/1	0.95	0.06	49,49,49,49	0
56	MG	CA	1990	1/1	0.95	0.09	56,56,56,56	0
56	MG	BA	3769	1/1	0.95	0.05	65,65,65,65	0
56	MG	BA	3771	1/1	0.95	0.07	45,45,45,45	0
56	MG	BA	3220	1/1	0.95	0.05	55,55,55,55	0
56	MG	BA	3778	1/1	0.95	0.05	33,33,33,33	0
56	MG	BA	3780	1/1	0.95	0.08	56,56,56,56	0
56	MG	BA	3781	1/1	0.95	0.16	54,54,54,54	0
56	MG	CZ	101	1/1	0.95	0.07	61,61,61,61	0
56	MG	CZ	108	1/1	0.95	0.06	49,49,49,49	0
56	MG	CZ	109	1/1	0.95	0.07	51,51,51,51	0
56	MG	BA	3269	1/1	0.95	0.10	37,37,37,37	0
56	MG	BA	3574	1/1	0.95	0.06	35,35,35,35	0
56	MG	BA	3576	1/1	0.95	0.09	33,33,33,33	0
56	MG	AA	1618	1/1	0.95	0.07	49,49,49,49	0
56	MG	BA	3582	1/1	0.95	0.05	53,53,53,53	0
56	MG	BB	221	1/1	0.95	0.09	37,37,37,37	0
56	MG	CY	120	1/1	0.95	0.11	29,29,29,29	0
56	MG	AA	1814	1/1	0.95	0.05	17,17,17,17	0
56	MG	BA	3297	1/1	0.95	0.06	50,50,50,50	0
56	MG	CC	305	1/1	0.95	0.19	46,46,46,46	0
56	MG	BH	202	1/1	0.95	0.08	34,34,34,34	0
56	MG	CI	201	1/1	0.95	0.05	45,45,45,45	0
56	MG	CI	202	1/1	0.95	0.10	52,52,52,52	0
56	MG	CJ	201	1/1	0.95	0.18	33,33,33,33	0
56	MG	CK	201	1/1	0.95	0.06	51,51,51,51	0
56	MG	CL	201	1/1	0.95	0.06	61,61,61,61	0
56	MG	BA	3048	1/1	0.95	0.07	64,64,64,64	0
56	MG	BJ	201	1/1	0.95	0.05	59,59,59,59	0
56	MG	CX	403	1/1	0.95	0.05	48,48,48,48	0
56	MG	CX	406	1/1	0.95	0.12	71,71,71,71	0
56	MG	BA	3115	1/1	0.95	0.07	33,33,33,33	0
56	MG	CA	1601	1/1	0.95	0.06	54,54,54,54	0
56	MG	BA	3315	1/1	0.95	0.05	64,64,64,64	0
56	MG	DV	201	1/1	0.95	0.06	61,61,61,61	0
56	MG	CA	1616	1/1	0.95	0.07	54,54,54,54	0
56	MG	DA	3066	1/1	0.95	0.05	47,47,47,47	0
56	MG	DA	3067	1/1	0.95	0.05	17,17,17,17	0
56	MG	DA	3092	1/1	0.95	0.10	32,32,32,32	0
56	MG	DA	3129	1/1	0.95	0.08	32,32,32,32	0
56	MG	BA	3126	1/1	0.95	0.07	37,37,37,37	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3606	1/1	0.95	0.17	54,54,54,54	0
56	MG	DA	3148	1/1	0.95	0.06	50,50,50,50	0
56	MG	DA	3151	1/1	0.95	0.06	58,58,58,58	0
56	MG	DA	3159	1/1	0.95	0.13	52,52,52,52	0
56	MG	CA	1629	1/1	0.95	0.06	8,8,8,8	0
56	MG	AA	1823	1/1	0.95	0.09	32,32,32,32	0
56	MG	DA	3173	1/1	0.95	0.05	31,31,31,31	0
56	MG	DA	3176	1/1	0.95	0.09	46,46,46,46	0
56	MG	CA	1636	1/1	0.95	0.07	40,40,40,40	0
56	MG	DA	3179	1/1	0.95	0.04	50,50,50,50	0
56	MG	CA	1640	1/1	0.95	0.08	56,56,56,56	0
56	MG	BA	3627	1/1	0.95	0.04	49,49,49,49	0
56	MG	CA	1650	1/1	0.95	0.06	49,49,49,49	0
56	MG	DA	3218	1/1	0.95	0.12	46,46,46,46	0
56	MG	DA	3250	1/1	0.95	0.07	32,32,32,32	0
56	MG	DA	3253	1/1	0.95	0.07	48,48,48,48	0
56	MG	CA	1659	1/1	0.95	0.05	44,44,44,44	0
56	MG	DA	3267	1/1	0.95	0.06	40,40,40,40	0
56	MG	DA	3283	1/1	0.95	0.15	36,36,36,36	0
56	MG	BA	3651	1/1	0.95	0.14	34,34,34,34	0
56	MG	AA	1662	1/1	0.95	0.05	48,48,48,48	0
56	MG	DA	3312	1/1	0.95	0.05	24,24,24,24	0
56	MG	AA	1842	1/1	0.95	0.06	49,49,49,49	0
56	MG	CA	1672	1/1	0.95	0.05	33,33,33,33	0
56	MG	BA	3662	1/1	0.95	0.12	40,40,40,40	0
56	MG	DA	3354	1/1	0.95	0.10	43,43,43,43	0
56	MG	CA	1682	1/1	0.95	0.08	46,46,46,46	0
56	MG	DA	3360	1/1	0.95	0.09	29,29,29,29	0
56	MG	AY	125	1/1	0.95	0.07	51,51,51,51	0
56	MG	AA	1667	1/1	0.95	0.05	38,38,38,38	0
56	MG	AA	1750	1/1	0.95	0.05	50,50,50,50	0
56	MG	CA	1724	1/1	0.95	0.07	56,56,56,56	0
56	MG	CA	1727	1/1	0.95	0.04	55,55,55,55	0
56	MG	CA	1732	1/1	0.95	0.07	38,38,38,38	0
56	MG	CA	1733	1/1	0.95	0.12	52,52,52,52	0
56	MG	CA	1745	1/1	0.95	0.05	42,42,42,42	0
56	MG	DA	3458	1/1	0.95	0.07	44,44,44,44	0
56	MG	CA	1747	1/1	0.95	0.05	31,31,31,31	0
56	MG	AA	1631	1/1	0.95	0.06	58,58,58,58	0
56	MG	CA	1754	1/1	0.95	0.07	59,59,59,59	0
56	MG	BA	3381	1/1	0.95	0.04	2,2,2,2	0
56	MG	BA	3673	1/1	0.95	0.07	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3178	1/1	0.95	0.05	39,39,39,39	0
56	MG	CA	1816	1/1	0.95	0.16	48,48,48,48	0
56	MG	CA	1824	1/1	0.95	0.04	31,31,31,31	0
56	MG	AI	201	1/1	0.95	0.06	57,57,57,57	0
56	MG	CA	1834	1/1	0.95	0.06	61,61,61,61	0
56	MG	DA	3559	1/1	0.95	0.09	44,44,44,44	0
56	MG	CA	1846	1/1	0.95	0.06	69,69,69,69	0
56	MG	CA	1856	1/1	0.95	0.08	78,78,78,78	0
56	MG	CA	1858	1/1	0.95	0.06	66,66,66,66	0
56	MG	BA	3421	1/1	0.95	0.07	45,45,45,45	0
56	MG	DA	3606	1/1	0.95	0.10	54,54,54,54	0
56	MG	CA	1868	1/1	0.95	0.05	54,54,54,54	0
56	MG	BA	3426	1/1	0.95	0.12	56,56,56,56	0
56	MG	CA	1874	1/1	0.95	0.05	52,52,52,52	0
56	MG	BA	3694	1/1	0.95	0.05	50,50,50,50	0
56	MG	BA	3696	1/1	0.95	0.05	37,37,37,37	0
56	MG	BA	3432	1/1	0.95	0.05	53,53,53,53	0
56	MG	CA	1883	1/1	0.95	0.13	41,41,41,41	0
56	MG	AA	1696	1/1	0.95	0.05	27,27,27,27	0
56	MG	AA	1881	1/1	0.95	0.04	76,76,76,76	0
56	MG	AA	1720	1/1	0.95	0.08	33,33,33,33	0
56	MG	BA	3467	1/1	0.95	0.06	35,35,35,35	0
56	MG	BA	3730	1/1	0.95	0.07	40,40,40,40	0
56	MG	AA	1731	1/1	0.95	0.12	48,48,48,48	0
56	MG	DA	3692	1/1	0.95	0.06	46,46,46,46	0
56	MG	BA	3502	1/1	0.95	0.05	38,38,38,38	0
56	MG	CA	1921	1/1	0.95	0.12	57,57,57,57	0
56	MG	CA	1927	1/1	0.95	0.07	37,37,37,37	0
56	MG	BA	3527	1/1	0.95	0.09	37,37,37,37	0
56	MG	BA	3751	1/1	0.95	0.05	53,53,53,53	0
56	MG	CA	1932	1/1	0.95	0.14	54,54,54,54	0
56	MG	BA	3752	1/1	0.95	0.09	30,30,30,30	0
56	MG	CA	1939	1/1	0.95	0.05	55,55,55,55	0
56	MG	DA	3743	1/1	0.95	0.12	43,43,43,43	0
56	MG	CA	1941	1/1	0.95	0.13	34,34,34,34	0
56	MG	DA	3748	1/1	0.95	0.10	50,50,50,50	0
56	MG	DA	3749	1/1	0.95	0.05	34,34,34,34	0
56	MG	BA	3533	1/1	0.95	0.06	37,37,37,37	0
56	MG	BA	3204	1/1	0.95	0.09	41,41,41,41	0
56	MG	BA	3548	1/1	0.95	0.06	39,39,39,39	0
56	MG	BA	3762	1/1	0.95	0.22	35,35,35,35	0
56	MG	CA	1967	1/1	0.95	0.11	60,60,60,60	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DB	226	1/1	0.95	0.11	51,51,51,51	0
56	MG	BA	3756	1/1	0.96	0.06	52,52,52,52	0
56	MG	BA	3403	1/1	0.96	0.04	41,41,41,41	0
56	MG	BA	3760	1/1	0.96	0.07	40,40,40,40	0
56	MG	BA	3410	1/1	0.96	0.07	37,37,37,37	0
56	MG	CA	1972	1/1	0.96	0.11	33,33,33,33	0
56	MG	BA	3122	1/1	0.96	0.08	50,50,50,50	0
56	MG	AA	1726	1/1	0.96	0.05	44,44,44,44	0
56	MG	AZ	102	1/1	0.96	0.05	60,60,60,60	0
56	MG	CA	1980	1/1	0.96	0.12	40,40,40,40	0
56	MG	AY	101	1/1	0.96	0.04	26,26,26,26	0
56	MG	BA	3437	1/1	0.96	0.08	26,26,26,26	0
56	MG	AA	1824	1/1	0.96	0.04	78,78,78,78	0
56	MG	AA	1638	1/1	0.96	0.04	22,22,22,22	0
56	MG	BA	3773	1/1	0.96	0.06	44,44,44,44	0
56	MG	AY	111	1/1	0.96	0.04	34,34,34,34	0
56	MG	BA	3779	1/1	0.96	0.10	47,47,47,47	0
56	MG	BA	3456	1/1	0.96	0.05	35,35,35,35	0
56	MG	CA	1999	1/1	0.96	0.09	31,31,31,31	0
56	MG	BA	3465	1/1	0.96	0.07	37,37,37,37	0
56	MG	BA	3784	1/1	0.96	0.07	36,36,36,36	0
56	MG	BA	3156	1/1	0.96	0.12	48,48,48,48	0
56	MG	CA	2014	1/1	0.96	0.07	52,52,52,52	0
56	MG	BA	3802	1/1	0.96	0.08	54,54,54,54	0
56	MG	BA	3472	1/1	0.96	0.07	44,44,44,44	0
56	MG	BA	3806	1/1	0.96	0.13	54,54,54,54	0
56	MG	BB	205	1/1	0.96	0.05	36,36,36,36	0
56	MG	CZ	115	1/1	0.96	0.14	40,40,40,40	0
56	MG	AY	112	1/1	0.96	0.04	39,39,39,39	0
56	MG	CZ	117	1/1	0.96	0.06	34,34,34,34	0
56	MG	BB	210	1/1	0.96	0.08	62,62,62,62	0
56	MG	BB	212	1/1	0.96	0.04	50,50,50,50	0
56	MG	BB	214	1/1	0.96	0.04	29,29,29,29	0
56	MG	AA	1833	1/1	0.96	0.06	52,52,52,52	0
56	MG	CY	117	1/1	0.96	0.06	23,23,23,23	0
56	MG	BA	3517	1/1	0.96	0.06	40,40,40,40	0
56	MG	CB	302	1/1	0.96	0.07	48,48,48,48	0
56	MG	AA	1778	1/1	0.96	0.05	50,50,50,50	0
56	MG	BB	225	1/1	0.96	0.05	50,50,50,50	0
56	MG	BB	226	1/1	0.96	0.05	59,59,59,59	0
56	MG	CC	306	1/1	0.96	0.12	52,52,52,52	0
56	MG	BE	301	1/1	0.96	0.06	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3532	1/1	0.96	0.08	56,56,56,56	0
56	MG	AY	123	1/1	0.96	0.05	42,42,42,42	0
56	MG	AA	1844	1/1	0.96	0.07	38,38,38,38	0
56	MG	AA	1736	1/1	0.96	0.04	50,50,50,50	0
56	MG	AC	305	1/1	0.96	0.15	45,45,45,45	0
56	MG	BN	202	1/1	0.96	0.08	49,49,49,49	0
56	MG	BA	3196	1/1	0.96	0.10	44,44,44,44	0
56	MG	BA	3560	1/1	0.96	0.10	27,27,27,27	0
56	MG	BA	3562	1/1	0.96	0.05	29,29,29,29	0
56	MG	AA	1783	1/1	0.96	0.10	50,50,50,50	0
56	MG	DF	301	1/1	0.96	0.09	45,45,45,45	0
56	MG	BA	3201	1/1	0.96	0.05	22,22,22,22	0
56	MG	CA	1624	1/1	0.96	0.07	54,54,54,54	0
56	MG	AD	307	1/1	0.96	0.11	32,32,32,32	0
56	MG	DW	201	1/1	0.96	0.12	54,54,54,54	0
56	MG	DX	101	1/1	0.96	0.04	50,50,50,50	0
56	MG	D7	102	1/1	0.96	0.05	28,28,28,28	0
56	MG	CA	1626	1/1	0.96	0.09	52,52,52,52	0
56	MG	DA	3052	1/1	0.96	0.05	38,38,38,38	0
56	MG	DA	3055	1/1	0.96	0.06	26,26,26,26	0
56	MG	AA	1861	1/1	0.96	0.07	60,60,60,60	0
56	MG	BA	3206	1/1	0.96	0.04	37,37,37,37	0
56	MG	DA	3087	1/1	0.96	0.07	27,27,27,27	0
56	MG	AF	202	1/1	0.96	0.04	58,58,58,58	0
56	MG	DA	3101	1/1	0.96	0.06	33,33,33,33	0
56	MG	DA	3126	1/1	0.96	0.06	37,37,37,37	0
56	MG	BA	3216	1/1	0.96	0.04	33,33,33,33	0
56	MG	CA	1643	1/1	0.96	0.06	35,35,35,35	0
56	MG	BA	3585	1/1	0.96	0.06	20,20,20,20	0
56	MG	AA	1786	1/1	0.96	0.12	76,76,76,76	0
56	MG	CA	1651	1/1	0.96	0.04	54,54,54,54	0
56	MG	BA	3224	1/1	0.96	0.06	52,52,52,52	0
56	MG	DA	3166	1/1	0.96	0.06	44,44,44,44	0
56	MG	DA	3168	1/1	0.96	0.05	49,49,49,49	0
56	MG	BA	3227	1/1	0.96	0.10	36,36,36,36	0
56	MG	BA	3258	1/1	0.96	0.05	30,30,30,30	0
56	MG	BA	3593	1/1	0.96	0.07	55,55,55,55	0
56	MG	CA	1669	1/1	0.96	0.05	52,52,52,52	0
56	MG	BA	3262	1/1	0.96	0.04	31,31,31,31	0
56	MG	AA	1792	1/1	0.96	0.05	58,58,58,58	0
56	MG	DA	3184	1/1	0.96	0.07	22,22,22,22	0
56	MG	CA	1681	1/1	0.96	0.06	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3194	1/1	0.96	0.05	42,42,42,42	0
56	MG	BA	3603	1/1	0.96	0.04	26,26,26,26	0
56	MG	DA	3208	1/1	0.96	0.10	42,42,42,42	0
56	MG	DA	3209	1/1	0.96	0.04	55,55,55,55	0
56	MG	DA	3212	1/1	0.96	0.06	34,34,34,34	0
56	MG	CA	1695	1/1	0.96	0.05	59,59,59,59	0
56	MG	DA	3215	1/1	0.96	0.05	41,41,41,41	0
56	MG	CA	1699	1/1	0.96	0.05	45,45,45,45	0
56	MG	DA	3227	1/1	0.96	0.05	37,37,37,37	0
56	MG	DA	3243	1/1	0.96	0.05	41,41,41,41	0
56	MG	AO	102	1/1	0.96	0.12	36,36,36,36	0
56	MG	CA	1702	1/1	0.96	0.11	56,56,56,56	0
56	MG	AA	1879	1/1	0.96	0.08	58,58,58,58	0
56	MG	BA	3287	1/1	0.96	0.05	27,27,27,27	0
56	MG	DA	3268	1/1	0.96	0.05	48,48,48,48	0
56	MG	BA	3636	1/1	0.96	0.07	47,47,47,47	0
56	MG	BA	3642	1/1	0.96	0.05	68,68,68,68	0
56	MG	DA	3294	1/1	0.96	0.04	29,29,29,29	0
56	MG	AA	1691	1/1	0.96	0.06	52,52,52,52	0
56	MG	BA	3652	1/1	0.96	0.05	33,33,33,33	0
56	MG	DA	3322	1/1	0.96	0.05	46,46,46,46	0
56	MG	DA	3329	1/1	0.96	0.08	42,42,42,42	0
56	MG	CA	1737	1/1	0.96	0.07	58,58,58,58	0
56	MG	CA	1738	1/1	0.96	0.17	20,20,20,20	0
56	MG	CA	1739	1/1	0.96	0.04	39,39,39,39	0
56	MG	BA	3654	1/1	0.96	0.07	40,40,40,40	0
56	MG	AX	403	1/1	0.96	0.07	73,73,73,73	0
56	MG	CA	1748	1/1	0.96	0.06	60,60,60,60	0
56	MG	DA	3379	1/1	0.96	0.13	51,51,51,51	0
56	MG	AA	1682	1/1	0.96	0.04	51,51,51,51	0
56	MG	DA	3389	1/1	0.96	0.28	55,55,55,55	0
56	MG	DA	3399	1/1	0.96	0.09	36,36,36,36	0
56	MG	DA	3403	1/1	0.96	0.09	42,42,42,42	0
56	MG	CA	1750	1/1	0.96	0.08	35,35,35,35	0
56	MG	BA	3311	1/1	0.96	0.05	43,43,43,43	0
56	MG	CA	1756	1/1	0.96	0.07	32,32,32,32	0
56	MG	CA	1760	1/1	0.96	0.08	59,59,59,59	0
56	MG	DA	3432	1/1	0.96	0.09	51,51,51,51	0
56	MG	AA	1702	1/1	0.96	0.07	40,40,40,40	0
56	MG	BA	3317	1/1	0.96	0.04	25,25,25,25	0
56	MG	CA	1773	1/1	0.96	0.05	35,35,35,35	0
56	MG	CA	1777	1/1	0.96	0.04	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3462	1/1	0.96	0.05	24,24,24,24	0
56	MG	DA	3466	1/1	0.96	0.08	47,47,47,47	0
56	MG	DA	3468	1/1	0.96	0.06	30,30,30,30	0
56	MG	CA	1786	1/1	0.96	0.08	19,19,19,19	0
56	MG	DA	3484	1/1	0.96	0.04	6,6,6,6	0
56	MG	DA	3503	1/1	0.96	0.05	24,24,24,24	0
56	MG	DA	3504	1/1	0.96	0.04	39,39,39,39	0
56	MG	AA	1892	1/1	0.96	0.04	48,48,48,48	0
56	MG	CA	1809	1/1	0.96	0.06	57,57,57,57	0
56	MG	DA	3527	1/1	0.96	0.05	49,49,49,49	0
56	MG	BA	3324	1/1	0.96	0.05	33,33,33,33	0
56	MG	CA	1819	1/1	0.96	0.09	46,46,46,46	0
56	MG	AA	1812	1/1	0.96	0.09	33,33,33,33	0
56	MG	BA	3039	1/1	0.96	0.12	33,33,33,33	0
56	MG	BA	3674	1/1	0.96	0.05	52,52,52,52	0
56	MG	CA	1835	1/1	0.96	0.10	46,46,46,46	0
56	MG	DA	3550	1/1	0.96	0.10	35,35,35,35	0
56	MG	BA	3676	1/1	0.96	0.05	20,20,20,20	0
56	MG	CA	1854	1/1	0.96	0.04	43,43,43,43	0
56	MG	BA	3330	1/1	0.96	0.04	45,45,45,45	0
56	MG	DA	3575	1/1	0.96	0.05	53,53,53,53	0
56	MG	DA	3583	1/1	0.96	0.21	43,43,43,43	0
56	MG	DA	3592	1/1	0.96	0.07	47,47,47,47	0
56	MG	BA	3041	1/1	0.96	0.05	25,25,25,25	0
56	MG	CA	1861	1/1	0.96	0.11	64,64,64,64	0
56	MG	BA	3342	1/1	0.96	0.04	36,36,36,36	0
56	MG	DA	3605	1/1	0.96	0.07	36,36,36,36	0
56	MG	BA	3685	1/1	0.96	0.11	37,37,37,37	0
56	MG	DA	3607	1/1	0.96	0.07	44,44,44,44	0
56	MG	BA	3343	1/1	0.96	0.04	32,32,32,32	0
56	MG	DA	3610	1/1	0.96	0.08	29,29,29,29	0
56	MG	DA	3618	1/1	0.96	0.07	47,47,47,47	0
56	MG	DA	3623	1/1	0.96	0.07	39,39,39,39	0
56	MG	DA	3636	1/1	0.96	0.06	46,46,46,46	0
56	MG	BA	3693	1/1	0.96	0.06	51,51,51,51	0
56	MG	BA	3043	1/1	0.96	0.06	30,30,30,30	0
56	MG	CA	1879	1/1	0.96	0.13	28,28,28,28	0
56	MG	DA	3658	1/1	0.96	0.11	61,61,61,61	0
56	MG	BA	3350	1/1	0.96	0.04	32,32,32,32	0
56	MG	DA	3660	1/1	0.96	0.07	44,44,44,44	0
56	MG	BA	3697	1/1	0.96	0.07	40,40,40,40	0
56	MG	BA	3352	1/1	0.96	0.08	36,36,36,36	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3704	1/1	0.96	0.05	42,42,42,42	0
56	MG	DA	3670	1/1	0.96	0.06	59,59,59,59	0
56	MG	CA	1900	1/1	0.96	0.05	56,56,56,56	0
56	MG	CA	1902	1/1	0.96	0.04	50,50,50,50	0
56	MG	DA	3679	1/1	0.96	0.16	62,62,62,62	0
56	MG	BA	3706	1/1	0.96	0.08	38,38,38,38	0
56	MG	DA	3684	1/1	0.96	0.14	50,50,50,50	0
56	MG	BA	3362	1/1	0.96	0.05	60,60,60,60	0
56	MG	CA	1911	1/1	0.96	0.11	62,62,62,62	0
56	MG	DA	3691	1/1	0.96	0.04	50,50,50,50	0
56	MG	AA	1648	1/1	0.96	0.08	26,26,26,26	0
56	MG	BA	3365	1/1	0.96	0.06	40,40,40,40	0
56	MG	BA	3371	1/1	0.96	0.11	29,29,29,29	0
56	MG	DA	3696	1/1	0.96	0.12	76,76,76,76	0
56	MG	AA	1901	1/1	0.96	0.04	43,43,43,43	0
56	MG	DA	3702	1/1	0.96	0.04	42,42,42,42	0
56	MG	DA	3703	1/1	0.96	0.07	38,38,38,38	0
56	MG	DA	3708	1/1	0.96	0.05	60,60,60,60	0
56	MG	DA	3712	1/1	0.96	0.06	61,61,61,61	0
56	MG	BA	3078	1/1	0.96	0.08	22,22,22,22	0
56	MG	DA	3719	1/1	0.96	0.04	47,47,47,47	0
56	MG	CA	1925	1/1	0.96	0.11	45,45,45,45	0
56	MG	DA	3723	1/1	0.96	0.05	28,28,28,28	0
56	MG	BA	3738	1/1	0.96	0.06	44,44,44,44	0
56	MG	DA	3727	1/1	0.96	0.12	27,27,27,27	0
56	MG	BA	3082	1/1	0.96	0.04	48,48,48,48	0
56	MG	BA	3744	1/1	0.96	0.09	21,21,21,21	0
56	MG	DA	3738	1/1	0.96	0.05	58,58,58,58	0
56	MG	BA	3745	1/1	0.96	0.04	39,39,39,39	0
56	MG	CA	1933	1/1	0.96	0.05	36,36,36,36	0
56	MG	BA	3383	1/1	0.96	0.07	29,29,29,29	0
56	MG	BA	3749	1/1	0.96	0.05	30,30,30,30	0
56	MG	BA	3387	1/1	0.96	0.13	49,49,49,49	0
56	MG	CA	1942	1/1	0.96	0.10	41,41,41,41	0
56	MG	DA	3757	1/1	0.96	0.21	43,43,43,43	0
56	MG	BA	3391	1/1	0.96	0.07	46,46,46,46	0
56	MG	DB	206	1/1	0.96	0.04	39,39,39,39	0
56	MG	DB	210	1/1	0.96	0.12	44,44,44,44	0
56	MG	CA	1947	1/1	0.96	0.06	44,44,44,44	0
56	MG	DB	214	1/1	0.96	0.11	34,34,34,34	0
56	MG	BA	3396	1/1	0.96	0.06	57,57,57,57	0
56	MG	AA	1904	1/1	0.96	0.09	47,47,47,47	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DB	227	1/1	0.96	0.08	53,53,53,53	0
56	MG	AA	1805	1/1	0.97	0.13	53,53,53,53	0
56	MG	AA	1809	1/1	0.97	0.06	54,54,54,54	0
56	MG	AA	1717	1/1	0.97	0.09	28,28,28,28	0
56	MG	CA	1936	1/1	0.97	0.04	63,63,63,63	0
56	MG	BA	3701	1/1	0.97	0.06	24,24,24,24	0
56	MG	CA	1938	1/1	0.97	0.07	48,48,48,48	0
56	MG	BA	3702	1/1	0.97	0.12	47,47,47,47	0
56	MG	AA	1663	1/1	0.97	0.06	35,35,35,35	0
56	MG	BA	3705	1/1	0.97	0.11	47,47,47,47	0
56	MG	BA	3319	1/1	0.97	0.08	35,35,35,35	0
56	MG	CA	1946	1/1	0.97	0.13	41,41,41,41	0
56	MG	AA	1818	1/1	0.97	0.06	33,33,33,33	0
56	MG	CA	1948	1/1	0.97	0.13	43,43,43,43	0
56	MG	CA	1949	1/1	0.97	0.04	37,37,37,37	0
56	MG	BA	3709	1/1	0.97	0.04	31,31,31,31	0
56	MG	BA	3710	1/1	0.97	0.05	13,13,13,13	0
56	MG	BA	3711	1/1	0.97	0.05	28,28,28,28	0
56	MG	CA	1963	1/1	0.97	0.09	35,35,35,35	0
56	MG	AA	1822	1/1	0.97	0.11	39,39,39,39	0
56	MG	CA	1969	1/1	0.97	0.04	43,43,43,43	0
56	MG	BA	3717	1/1	0.97	0.04	40,40,40,40	0
56	MG	BA	3718	1/1	0.97	0.04	33,33,33,33	0
56	MG	BA	3719	1/1	0.97	0.07	51,51,51,51	0
56	MG	BA	3723	1/1	0.97	0.12	18,18,18,18	0
56	MG	CA	1976	1/1	0.97	0.04	32,32,32,32	0
56	MG	CA	1977	1/1	0.97	0.17	31,31,31,31	0
56	MG	AA	1722	1/1	0.97	0.15	35,35,35,35	0
56	MG	AA	1635	1/1	0.97	0.04	30,30,30,30	0
56	MG	BA	3728	1/1	0.97	0.04	28,28,28,28	0
56	MG	AA	1727	1/1	0.97	0.03	44,44,44,44	0
56	MG	AA	1832	1/1	0.97	0.06	49,49,49,49	0
56	MG	CA	1983	1/1	0.97	0.16	50,50,50,50	0
56	MG	BA	3735	1/1	0.97	0.04	29,29,29,29	0
56	MG	CA	1986	1/1	0.97	0.05	23,23,23,23	0
56	MG	CA	1987	1/1	0.97	0.04	58,58,58,58	0
56	MG	BA	3341	1/1	0.97	0.03	26,26,26,26	0
56	MG	AA	1609	1/1	0.97	0.04	28,28,28,28	0
56	MG	BA	3743	1/1	0.97	0.05	34,34,34,34	0
56	MG	AA	1837	1/1	0.97	0.04	54,54,54,54	0
56	MG	CA	1993	1/1	0.97	0.20	48,48,48,48	0
56	MG	AA	1838	1/1	0.97	0.05	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1995	1/1	0.97	0.10	47,47,47,47	0
56	MG	CA	1996	1/1	0.97	0.05	41,41,41,41	0
56	MG	CA	1997	1/1	0.97	0.05	24,24,24,24	0
56	MG	CA	1998	1/1	0.97	0.04	48,48,48,48	0
56	MG	BA	3346	1/1	0.97	0.06	18,18,18,18	0
56	MG	BA	3747	1/1	0.97	0.05	63,63,63,63	0
56	MG	CA	2005	1/1	0.97	0.05	58,58,58,58	0
56	MG	BA	3748	1/1	0.97	0.10	45,45,45,45	0
56	MG	AA	1840	1/1	0.97	0.08	49,49,49,49	0
56	MG	CA	2012	1/1	0.97	0.13	59,59,59,59	0
56	MG	BA	3351	1/1	0.97	0.06	39,39,39,39	0
56	MG	AA	1629	1/1	0.97	0.12	59,59,59,59	0
56	MG	BA	3361	1/1	0.97	0.07	33,33,33,33	0
56	MG	BA	3004	1/1	0.97	0.11	57,57,57,57	0
56	MG	BA	3007	1/1	0.97	0.04	34,34,34,34	0
56	MG	AA	1737	1/1	0.97	0.04	40,40,40,40	0
56	MG	BA	3369	1/1	0.97	0.06	48,48,48,48	0
56	MG	BA	3036	1/1	0.97	0.06	32,32,32,32	0
56	MG	AA	1640	1/1	0.97	0.05	35,35,35,35	0
56	MG	CZ	119	1/1	0.97	0.04	55,55,55,55	0
56	MG	CY	103	1/1	0.97	0.06	49,49,49,49	0
56	MG	AA	1846	1/1	0.97	0.06	55,55,55,55	0
56	MG	CY	106	1/1	0.97	0.08	35,35,35,35	0
56	MG	AA	1847	1/1	0.97	0.06	46,46,46,46	0
56	MG	AA	1678	1/1	0.97	0.03	43,43,43,43	0
56	MG	CY	112	1/1	0.97	0.06	20,20,20,20	0
56	MG	BA	3768	1/1	0.97	0.11	46,46,46,46	0
56	MG	CY	118	1/1	0.97	0.09	56,56,56,56	0
56	MG	AA	1854	1/1	0.97	0.05	44,44,44,44	0
56	MG	BA	3053	1/1	0.97	0.04	50,50,50,50	0
56	MG	CC	301	1/1	0.97	0.08	48,48,48,48	0
56	MG	BA	3058	1/1	0.97	0.08	39,39,39,39	0
56	MG	BA	3399	1/1	0.97	0.05	17,17,17,17	0
56	MG	BA	3775	1/1	0.97	0.10	49,49,49,49	0
56	MG	BA	3068	1/1	0.97	0.09	14,14,14,14	0
56	MG	CC	307	1/1	0.97	0.05	27,27,27,27	0
56	MG	AA	1743	1/1	0.97	0.03	33,33,33,33	0
56	MG	BA	3404	1/1	0.97	0.03	43,43,43,43	0
56	MG	AA	1680	1/1	0.97	0.05	26,26,26,26	0
56	MG	BA	3411	1/1	0.97	0.06	20,20,20,20	0
56	MG	BA	3413	1/1	0.97	0.04	62,62,62,62	0
56	MG	BA	3793	1/1	0.97	0.04	31,31,31,31	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3796	1/1	0.97	0.04	27,27,27,27	0
56	MG	BA	3798	1/1	0.97	0.10	38,38,38,38	0
56	MG	CX	402	1/1	0.97	0.13	38,38,38,38	0
56	MG	BA	3799	1/1	0.97	0.05	34,34,34,34	0
56	MG	CX	405	1/1	0.97	0.09	49,49,49,49	0
56	MG	BA	3800	1/1	0.97	0.19	32,32,32,32	0
56	MG	BA	3103	1/1	0.97	0.06	35,35,35,35	0
56	MG	BA	3104	1/1	0.97	0.06	15,15,15,15	0
56	MG	BA	3805	1/1	0.97	0.11	39,39,39,39	0
56	MG	DO	201	1/1	0.97	0.08	23,23,23,23	0
56	MG	DP	201	1/1	0.97	0.06	45,45,45,45	0
56	MG	BA	3425	1/1	0.97	0.05	48,48,48,48	0
56	MG	DP	206	1/1	0.97	0.06	33,33,33,33	0
56	MG	DQ	201	1/1	0.97	0.06	53,53,53,53	0
56	MG	BB	204	1/1	0.97	0.04	46,46,46,46	0
56	MG	BA	3105	1/1	0.97	0.06	36,36,36,36	0
56	MG	BA	3110	1/1	0.97	0.07	35,35,35,35	0
56	MG	D2	102	1/1	0.97	0.14	49,49,49,49	0
56	MG	D3	101	1/1	0.97	0.09	43,43,43,43	0
56	MG	D4	102	1/1	0.97	0.14	40,40,40,40	0
56	MG	BA	3434	1/1	0.97	0.10	45,45,45,45	0
56	MG	DA	3001	1/1	0.97	0.14	37,37,37,37	0
56	MG	AA	1870	1/1	0.97	0.07	28,28,28,28	0
56	MG	DA	3012	1/1	0.97	0.03	16,16,16,16	0
56	MG	DA	3031	1/1	0.97	0.05	21,21,21,21	0
56	MG	DA	3037	1/1	0.97	0.11	57,57,57,57	0
56	MG	BA	3438	1/1	0.97	0.13	52,52,52,52	0
56	MG	BB	216	1/1	0.97	0.04	51,51,51,51	0
56	MG	DA	3056	1/1	0.97	0.09	25,25,25,25	0
56	MG	DA	3059	1/1	0.97	0.06	27,27,27,27	0
56	MG	BB	217	1/1	0.97	0.04	63,63,63,63	0
56	MG	BA	3446	1/1	0.97	0.07	39,39,39,39	0
56	MG	DA	3081	1/1	0.97	0.08	47,47,47,47	0
56	MG	BB	219	1/1	0.97	0.09	52,52,52,52	0
56	MG	DA	3088	1/1	0.97	0.04	19,19,19,19	0
56	MG	BA	3116	1/1	0.97	0.06	68,68,68,68	0
56	MG	BA	3119	1/1	0.97	0.08	39,39,39,39	0
56	MG	DA	3106	1/1	0.97	0.07	34,34,34,34	0
56	MG	DA	3110	1/1	0.97	0.10	43,43,43,43	0
56	MG	DA	3114	1/1	0.97	0.05	27,27,27,27	0
56	MG	DA	3116	1/1	0.97	0.05	41,41,41,41	0
56	MG	BA	3121	1/1	0.97	0.04	40,40,40,40	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3127	1/1	0.97	0.07	71,71,71,71	0
56	MG	DA	3128	1/1	0.97	0.15	46,46,46,46	0
56	MG	AA	1747	1/1	0.97	0.06	40,40,40,40	0
56	MG	BA	3457	1/1	0.97	0.03	24,24,24,24	0
56	MG	BA	3123	1/1	0.97	0.07	34,34,34,34	0
56	MG	BF	304	1/1	0.97	0.07	40,40,40,40	0
56	MG	AA	1877	1/1	0.97	0.04	32,32,32,32	0
56	MG	DA	3155	1/1	0.97	0.04	35,35,35,35	0
56	MG	BA	3470	1/1	0.97	0.06	51,51,51,51	0
56	MG	DA	3162	1/1	0.97	0.05	33,33,33,33	0
56	MG	BA	3127	1/1	0.97	0.08	38,38,38,38	0
56	MG	AA	1748	1/1	0.97	0.06	54,54,54,54	0
56	MG	DA	3169	1/1	0.97	0.07	42,42,42,42	0
56	MG	BA	3481	1/1	0.97	0.12	45,45,45,45	0
56	MG	BO	202	1/1	0.97	0.04	29,29,29,29	0
56	MG	BQ	202	1/1	0.97	0.05	45,45,45,45	0
56	MG	BA	3483	1/1	0.97	0.04	29,29,29,29	0
56	MG	BR	203	1/1	0.97	0.18	49,49,49,49	0
56	MG	BU	201	1/1	0.97	0.10	35,35,35,35	0
56	MG	B2	103	1/1	0.97	0.10	38,38,38,38	0
56	MG	DA	3186	1/1	0.97	0.04	47,47,47,47	0
56	MG	DA	3189	1/1	0.97	0.03	40,40,40,40	0
56	MG	BA	3488	1/1	0.97	0.09	26,26,26,26	0
56	MG	BA	3491	1/1	0.97	0.05	31,31,31,31	0
56	MG	BA	3492	1/1	0.97	0.09	47,47,47,47	0
56	MG	DA	3203	1/1	0.97	0.04	38,38,38,38	0
56	MG	BA	3496	1/1	0.97	0.05	39,39,39,39	0
56	MG	CA	1620	1/1	0.97	0.05	38,38,38,38	0
56	MG	AA	1642	1/1	0.97	0.05	46,46,46,46	0
56	MG	BA	3503	1/1	0.97	0.04	29,29,29,29	0
56	MG	BA	3510	1/1	0.97	0.04	39,39,39,39	0
56	MG	BA	3515	1/1	0.97	0.06	9,9,9,9	0
56	MG	AA	1753	1/1	0.97	0.06	31,31,31,31	0
56	MG	BA	3136	1/1	0.97	0.04	32,32,32,32	0
56	MG	DA	3244	1/1	0.97	0.04	57,57,57,57	0
56	MG	DA	3247	1/1	0.97	0.03	21,21,21,21	0
56	MG	BA	3137	1/1	0.97	0.05	47,47,47,47	0
56	MG	BA	3142	1/1	0.97	0.06	40,40,40,40	0
56	MG	DA	3256	1/1	0.97	0.04	37,37,37,37	0
56	MG	CA	1645	1/1	0.97	0.04	45,45,45,45	0
56	MG	BA	3143	1/1	0.97	0.07	40,40,40,40	0
56	MG	BA	3540	1/1	0.97	0.08	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3271	1/1	0.97	0.05	17,17,17,17	0
56	MG	DA	3279	1/1	0.97	0.09	20,20,20,20	0
56	MG	BA	3544	1/1	0.97	0.08	38,38,38,38	0
56	MG	CA	1653	1/1	0.97	0.04	49,49,49,49	0
56	MG	DA	3288	1/1	0.97	0.05	12,12,12,12	0
56	MG	DA	3289	1/1	0.97	0.04	31,31,31,31	0
56	MG	DA	3290	1/1	0.97	0.04	25,25,25,25	0
56	MG	CA	1656	1/1	0.97	0.06	48,48,48,48	0
56	MG	BA	3147	1/1	0.97	0.08	53,53,53,53	0
56	MG	BA	3551	1/1	0.97	0.10	47,47,47,47	0
56	MG	CA	1662	1/1	0.97	0.03	12,12,12,12	0
56	MG	CA	1664	1/1	0.97	0.06	41,41,41,41	0
56	MG	BA	3149	1/1	0.97	0.07	38,38,38,38	0
56	MG	BA	3557	1/1	0.97	0.06	59,59,59,59	0
56	MG	DA	3339	1/1	0.97	0.05	47,47,47,47	0
56	MG	DA	3340	1/1	0.97	0.05	33,33,33,33	0
56	MG	DA	3349	1/1	0.97	0.05	44,44,44,44	0
56	MG	BA	3150	1/1	0.97	0.07	35,35,35,35	0
56	MG	AA	1885	1/1	0.97	0.04	33,33,33,33	0
56	MG	CA	1676	1/1	0.97	0.04	25,25,25,25	0
56	MG	DA	3356	1/1	0.97	0.06	38,38,38,38	0
56	MG	DA	3357	1/1	0.97	0.04	14,14,14,14	0
56	MG	AA	1888	1/1	0.97	0.05	53,53,53,53	0
56	MG	DA	3363	1/1	0.97	0.04	36,36,36,36	0
56	MG	DA	3367	1/1	0.97	0.06	60,60,60,60	0
56	MG	DA	3368	1/1	0.97	0.03	29,29,29,29	0
56	MG	DA	3371	1/1	0.97	0.04	33,33,33,33	0
56	MG	DA	3373	1/1	0.97	0.04	41,41,41,41	0
56	MG	DA	3375	1/1	0.97	0.10	42,42,42,42	0
56	MG	CA	1679	1/1	0.97	0.05	40,40,40,40	0
56	MG	DA	3382	1/1	0.97	0.04	39,39,39,39	0
56	MG	CA	1680	1/1	0.97	0.05	37,37,37,37	0
56	MG	BA	3154	1/1	0.97	0.08	26,26,26,26	0
56	MG	DA	3390	1/1	0.97	0.11	36,36,36,36	0
56	MG	AA	1630	1/1	0.97	0.05	58,58,58,58	0
56	MG	DA	3401	1/1	0.97	0.05	1,1,1,1	0
56	MG	CA	1686	1/1	0.97	0.08	29,29,29,29	0
56	MG	DA	3404	1/1	0.97	0.04	32,32,32,32	0
56	MG	DA	3406	1/1	0.97	0.06	33,33,33,33	0
56	MG	CA	1689	1/1	0.97	0.05	59,59,59,59	0
56	MG	DA	3413	1/1	0.97	0.08	28,28,28,28	0
56	MG	DA	3414	1/1	0.97	0.06	43,43,43,43	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3415	1/1	0.97	0.04	27,27,27,27	0
56	MG	BA	3160	1/1	0.97	0.04	23,23,23,23	0
56	MG	DA	3419	1/1	0.97	0.04	33,33,33,33	0
56	MG	DA	3423	1/1	0.97	0.05	39,39,39,39	0
56	MG	DA	3425	1/1	0.97	0.06	43,43,43,43	0
56	MG	CA	1698	1/1	0.97	0.05	28,28,28,28	0
56	MG	AA	1689	1/1	0.97	0.12	39,39,39,39	0
56	MG	DA	3430	1/1	0.97	0.06	56,56,56,56	0
56	MG	AA	1767	1/1	0.97	0.06	28,28,28,28	0
56	MG	DA	3433	1/1	0.97	0.04	21,21,21,21	0
56	MG	BA	3167	1/1	0.97	0.10	34,34,34,34	0
56	MG	DA	3437	1/1	0.97	0.06	41,41,41,41	0
56	MG	CA	1704	1/1	0.97	0.11	31,31,31,31	0
56	MG	DA	3441	1/1	0.97	0.07	41,41,41,41	0
56	MG	DA	3450	1/1	0.97	0.13	29,29,29,29	0
56	MG	DA	3455	1/1	0.97	0.09	35,35,35,35	0
56	MG	CA	1705	1/1	0.97	0.04	31,31,31,31	0
56	MG	CA	1707	1/1	0.97	0.07	48,48,48,48	0
56	MG	DA	3460	1/1	0.97	0.04	41,41,41,41	0
56	MG	CA	1712	1/1	0.97	0.11	18,18,18,18	0
56	MG	DA	3463	1/1	0.97	0.04	37,37,37,37	0
56	MG	DA	3465	1/1	0.97	0.07	20,20,20,20	0
56	MG	BA	3172	1/1	0.97	0.04	63,63,63,63	0
56	MG	DA	3467	1/1	0.97	0.04	58,58,58,58	0
56	MG	BA	3584	1/1	0.97	0.10	46,46,46,46	0
56	MG	DA	3470	1/1	0.97	0.04	47,47,47,47	0
56	MG	CA	1721	1/1	0.97	0.04	45,45,45,45	0
56	MG	DA	3474	1/1	0.97	0.09	34,34,34,34	0
56	MG	DA	3475	1/1	0.97	0.03	34,34,34,34	0
56	MG	DA	3476	1/1	0.97	0.06	37,37,37,37	0
56	MG	DA	3478	1/1	0.97	0.06	18,18,18,18	0
56	MG	AA	1771	1/1	0.97	0.16	62,62,62,62	0
56	MG	DA	3485	1/1	0.97	0.04	10,10,10,10	0
56	MG	DA	3487	1/1	0.97	0.05	48,48,48,48	0
56	MG	DA	3492	1/1	0.97	0.04	37,37,37,37	0
56	MG	DA	3497	1/1	0.97	0.05	47,47,47,47	0
56	MG	DA	3498	1/1	0.97	0.05	59,59,59,59	0
56	MG	DA	3499	1/1	0.97	0.04	25,25,25,25	0
56	MG	AA	1898	1/1	0.97	0.06	27,27,27,27	0
56	MG	BA	3182	1/1	0.97	0.06	22,22,22,22	0
56	MG	DA	3505	1/1	0.97	0.10	30,30,30,30	0
56	MG	DA	3509	1/1	0.97	0.09	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1775	1/1	0.97	0.09	74,74,74,74	0
56	MG	CA	1736	1/1	0.97	0.04	52,52,52,52	0
56	MG	DA	3523	1/1	0.97	0.07	44,44,44,44	0
56	MG	AA	1902	1/1	0.97	0.03	42,42,42,42	0
56	MG	AA	1603	1/1	0.97	0.04	30,30,30,30	0
56	MG	BA	3594	1/1	0.97	0.08	46,46,46,46	0
56	MG	DA	3538	1/1	0.97	0.08	34,34,34,34	0
56	MG	CA	1741	1/1	0.97	0.04	28,28,28,28	0
56	MG	CA	1744	1/1	0.97	0.08	48,48,48,48	0
56	MG	DA	3545	1/1	0.97	0.05	50,50,50,50	0
56	MG	AA	1651	1/1	0.97	0.05	53,53,53,53	0
56	MG	AA	1781	1/1	0.97	0.04	55,55,55,55	0
56	MG	BA	3598	1/1	0.97	0.03	33,33,33,33	0
56	MG	BA	3599	1/1	0.97	0.06	34,34,34,34	0
56	MG	DA	3558	1/1	0.97	0.08	30,30,30,30	0
56	MG	AV	101	1/1	0.97	0.10	49,49,49,49	0
56	MG	BA	3604	1/1	0.97	0.13	36,36,36,36	0
56	MG	DA	3568	1/1	0.97	0.07	44,44,44,44	0
56	MG	DA	3574	1/1	0.97	0.06	45,45,45,45	0
56	MG	BA	3202	1/1	0.97	0.03	46,46,46,46	0
56	MG	DA	3579	1/1	0.97	0.04	24,24,24,24	0
56	MG	BA	3612	1/1	0.97	0.04	31,31,31,31	0
56	MG	DA	3584	1/1	0.97	0.04	35,35,35,35	0
56	MG	DA	3590	1/1	0.97	0.05	37,37,37,37	0
56	MG	DA	3591	1/1	0.97	0.04	26,26,26,26	0
56	MG	BA	3619	1/1	0.97	0.04	32,32,32,32	0
56	MG	CA	1763	1/1	0.97	0.04	19,19,19,19	0
56	MG	DA	3599	1/1	0.97	0.04	39,39,39,39	0
56	MG	BA	3621	1/1	0.97	0.04	57,57,57,57	0
56	MG	DA	3603	1/1	0.97	0.04	32,32,32,32	0
56	MG	AA	1694	1/1	0.97	0.05	45,45,45,45	0
56	MG	AA	1633	1/1	0.97	0.04	49,49,49,49	0
56	MG	CA	1780	1/1	0.97	0.02	15,15,15,15	0
56	MG	CA	1784	1/1	0.97	0.05	45,45,45,45	0
56	MG	BA	3629	1/1	0.97	0.07	53,53,53,53	0
56	MG	CA	1788	1/1	0.97	0.04	40,40,40,40	0
56	MG	DA	3612	1/1	0.97	0.08	41,41,41,41	0
56	MG	DA	3615	1/1	0.97	0.06	40,40,40,40	0
56	MG	BA	3633	1/1	0.97	0.04	20,20,20,20	0
56	MG	DA	3620	1/1	0.97	0.06	49,49,49,49	0
56	MG	DA	3621	1/1	0.97	0.04	51,51,51,51	0
56	MG	DA	3622	1/1	0.97	0.04	34,34,34,34	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1794	1/1	0.97	0.06	42,42,42,42	0
56	MG	DA	3624	1/1	0.97	0.04	39,39,39,39	0
56	MG	DA	3628	1/1	0.97	0.07	38,38,38,38	0
56	MG	DA	3635	1/1	0.97	0.06	47,47,47,47	0
56	MG	CA	1797	1/1	0.97	0.04	60,60,60,60	0
56	MG	DA	3639	1/1	0.97	0.06	13,13,13,13	0
56	MG	DA	3640	1/1	0.97	0.04	40,40,40,40	0
56	MG	CA	1804	1/1	0.97	0.07	32,32,32,32	0
56	MG	AY	105	1/1	0.97	0.08	64,64,64,64	0
56	MG	DA	3647	1/1	0.97	0.05	19,19,19,19	0
56	MG	DA	3648	1/1	0.97	0.04	42,42,42,42	0
56	MG	DA	3650	1/1	0.97	0.13	63,63,63,63	0
56	MG	DA	3651	1/1	0.97	0.07	21,21,21,21	0
56	MG	DA	3653	1/1	0.97	0.04	55,55,55,55	0
56	MG	BA	3639	1/1	0.97	0.13	54,54,54,54	0
56	MG	DA	3655	1/1	0.97	0.08	41,41,41,41	0
56	MG	DA	3656	1/1	0.97	0.09	35,35,35,35	0
56	MG	BA	3640	1/1	0.97	0.05	34,34,34,34	0
56	MG	CA	1821	1/1	0.97	0.04	22,22,22,22	0
56	MG	BA	3641	1/1	0.97	0.05	47,47,47,47	0
56	MG	BA	3213	1/1	0.97	0.06	33,33,33,33	0
56	MG	CA	1827	1/1	0.97	0.04	48,48,48,48	0
56	MG	CA	1831	1/1	0.97	0.11	66,66,66,66	0
56	MG	BA	3644	1/1	0.97	0.03	32,32,32,32	0
56	MG	BA	3647	1/1	0.97	0.10	20,20,20,20	0
56	MG	AA	1787	1/1	0.97	0.04	36,36,36,36	0
56	MG	CA	1848	1/1	0.97	0.05	41,41,41,41	0
56	MG	CA	1852	1/1	0.97	0.05	43,43,43,43	0
56	MG	CA	1853	1/1	0.97	0.04	50,50,50,50	0
56	MG	AY	110	1/1	0.97	0.04	53,53,53,53	0
56	MG	AA	1789	1/1	0.97	0.04	33,33,33,33	0
56	MG	DA	3690	1/1	0.97	0.09	41,41,41,41	0
56	MG	BA	3655	1/1	0.97	0.13	47,47,47,47	0
56	MG	CA	1860	1/1	0.97	0.10	31,31,31,31	0
56	MG	BA	3657	1/1	0.97	0.07	27,27,27,27	0
56	MG	AA	1701	1/1	0.97	0.05	17,17,17,17	0
56	MG	CA	1866	1/1	0.97	0.07	22,22,22,22	0
56	MG	AY	113	1/1	0.97	0.05	41,41,41,41	0
56	MG	DA	3699	1/1	0.97	0.08	38,38,38,38	0
56	MG	BA	3229	1/1	0.97	0.04	27,27,27,27	0
56	MG	BA	3231	1/1	0.97	0.05	32,32,32,32	0
56	MG	BA	3666	1/1	0.97	0.10	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3233	1/1	0.97	0.06	35,35,35,35	0
56	MG	BA	3244	1/1	0.97	0.04	34,34,34,34	0
56	MG	BA	3248	1/1	0.97	0.04	42,42,42,42	0
56	MG	BA	3249	1/1	0.97	0.05	41,41,41,41	0
56	MG	AA	1634	1/1	0.97	0.03	32,32,32,32	0
56	MG	CA	1895	1/1	0.97	0.10	30,30,30,30	0
56	MG	DA	3725	1/1	0.97	0.06	44,44,44,44	0
56	MG	CA	1899	1/1	0.97	0.04	49,49,49,49	0
56	MG	DA	3729	1/1	0.97	0.07	50,50,50,50	0
56	MG	DA	3730	1/1	0.97	0.04	33,33,33,33	0
56	MG	AY	117	1/1	0.97	0.06	32,32,32,32	0
56	MG	DA	3732	1/1	0.97	0.06	29,29,29,29	0
56	MG	DA	3733	1/1	0.97	0.07	19,19,19,19	0
56	MG	AA	1799	1/1	0.97	0.07	49,49,49,49	0
56	MG	AA	1705	1/1	0.97	0.03	29,29,29,29	0
56	MG	DA	3740	1/1	0.97	0.05	27,27,27,27	0
56	MG	DA	3741	1/1	0.97	0.07	25,25,25,25	0
56	MG	BA	3678	1/1	0.97	0.15	42,42,42,42	0
56	MG	CA	1909	1/1	0.97	0.15	33,33,33,33	0
56	MG	AA	1715	1/1	0.97	0.07	51,51,51,51	0
56	MG	CA	1912	1/1	0.97	0.04	45,45,45,45	0
56	MG	DA	3750	1/1	0.97	0.14	47,47,47,47	0
56	MG	CA	1913	1/1	0.97	0.06	41,41,41,41	0
56	MG	BA	3283	1/1	0.97	0.04	4,4,4,4	0
56	MG	CA	1916	1/1	0.97	0.04	62,62,62,62	0
56	MG	AB	301	1/1	0.97	0.04	44,44,44,44	0
56	MG	DB	205	1/1	0.97	0.07	60,60,60,60	0
56	MG	BA	3688	1/1	0.97	0.04	38,38,38,38	0
56	MG	BA	3689	1/1	0.97	0.06	44,44,44,44	0
56	MG	BA	3289	1/1	0.97	0.06	46,46,46,46	0
56	MG	CA	1924	1/1	0.97	0.14	45,45,45,45	0
56	MG	DB	216	1/1	0.97	0.03	35,35,35,35	0
56	MG	DB	218	1/1	0.97	0.06	46,46,46,46	0
56	MG	DB	219	1/1	0.97	0.05	55,55,55,55	0
56	MG	DB	221	1/1	0.97	0.04	49,49,49,49	0
56	MG	AB	302	1/1	0.97	0.03	33,33,33,33	0
56	MG	AC	302	1/1	0.97	0.15	57,57,57,57	0
56	MG	BA	3695	1/1	0.97	0.04	50,50,50,50	0
56	MG	DB	228	1/1	0.97	0.05	46,46,46,46	0
56	MG	AA	1851	1/1	0.98	0.04	50,50,50,50	0
56	MG	BA	3250	1/1	0.98	0.07	39,39,39,39	0
56	MG	BA	3665	1/1	0.98	0.08	46,46,46,46	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3251	1/1	0.98	0.07	43,43,43,43	0
56	MG	BA	3253	1/1	0.98	0.05	44,44,44,44	0
56	MG	BA	3256	1/1	0.98	0.04	13,13,13,13	0
56	MG	BA	3670	1/1	0.98	0.04	29,29,29,29	0
56	MG	AJ	201	1/1	0.98	0.05	36,36,36,36	0
56	MG	BA	3259	1/1	0.98	0.03	27,27,27,27	0
56	MG	CA	1952	1/1	0.98	0.07	37,37,37,37	0
56	MG	CA	1957	1/1	0.98	0.05	28,28,28,28	0
56	MG	AA	1666	1/1	0.98	0.06	34,34,34,34	0
56	MG	CA	1960	1/1	0.98	0.04	26,26,26,26	0
56	MG	BA	3267	1/1	0.98	0.06	21,21,21,21	0
56	MG	BA	3675	1/1	0.98	0.07	40,40,40,40	0
56	MG	CA	1964	1/1	0.98	0.07	39,39,39,39	0
56	MG	BA	3268	1/1	0.98	0.05	6,6,6,6	0
56	MG	CA	1968	1/1	0.98	0.09	25,25,25,25	0
56	MG	AL	201	1/1	0.98	0.03	29,29,29,29	0
56	MG	BA	3270	1/1	0.98	0.04	8,8,8,8	0
56	MG	BA	3679	1/1	0.98	0.12	26,26,26,26	0
56	MG	BA	3273	1/1	0.98	0.06	17,17,17,17	0
56	MG	AL	202	1/1	0.98	0.03	46,46,46,46	0
56	MG	BA	3278	1/1	0.98	0.05	37,37,37,37	0
56	MG	BA	3686	1/1	0.98	0.04	30,30,30,30	0
56	MG	BA	3687	1/1	0.98	0.04	19,19,19,19	0
56	MG	AA	1601	1/1	0.98	0.05	18,18,18,18	0
56	MG	BA	3280	1/1	0.98	0.04	26,26,26,26	0
56	MG	AO	103	1/1	0.98	0.08	43,43,43,43	0
56	MG	BA	3285	1/1	0.98	0.06	40,40,40,40	0
56	MG	AP	101	1/1	0.98	0.06	32,32,32,32	0
56	MG	AA	1856	1/1	0.98	0.04	49,49,49,49	0
56	MG	BA	3290	1/1	0.98	0.04	12,12,12,12	0
56	MG	BA	3291	1/1	0.98	0.04	19,19,19,19	0
56	MG	BA	3699	1/1	0.98	0.16	35,35,35,35	0
56	MG	CA	1989	1/1	0.98	0.06	33,33,33,33	0
56	MG	BA	3292	1/1	0.98	0.06	10,10,10,10	0
56	MG	BA	3293	1/1	0.98	0.08	34,34,34,34	0
56	MG	BA	3294	1/1	0.98	0.04	43,43,43,43	0
56	MG	BA	3703	1/1	0.98	0.04	29,29,29,29	0
56	MG	AA	1857	1/1	0.98	0.03	41,41,41,41	0
56	MG	AX	402	1/1	0.98	0.07	29,29,29,29	0
56	MG	BA	3299	1/1	0.98	0.03	44,44,44,44	0
56	MG	BA	3707	1/1	0.98	0.04	31,31,31,31	0
56	MG	BA	3301	1/1	0.98	0.03	15,15,15,15	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1859	1/1	0.98	0.06	29,29,29,29	0
56	MG	BA	3306	1/1	0.98	0.06	36,36,36,36	0
56	MG	BA	3308	1/1	0.98	0.08	9,9,9,9	0
56	MG	CA	2006	1/1	0.98	0.04	41,41,41,41	0
56	MG	BA	3712	1/1	0.98	0.07	37,37,37,37	0
56	MG	BA	3310	1/1	0.98	0.05	23,23,23,23	0
56	MG	CA	2009	1/1	0.98	0.14	41,41,41,41	0
56	MG	CA	2010	1/1	0.98	0.09	35,35,35,35	0
56	MG	AA	1703	1/1	0.98	0.04	36,36,36,36	0
56	MG	BA	3312	1/1	0.98	0.01	7,7,7,7	0
56	MG	AA	1863	1/1	0.98	0.04	37,37,37,37	0
56	MG	BA	3720	1/1	0.98	0.04	30,30,30,30	0
56	MG	AA	1864	1/1	0.98	0.04	36,36,36,36	0
56	MG	CZ	112	1/1	0.98	0.04	36,36,36,36	0
56	MG	BA	3001	1/1	0.98	0.03	26,26,26,26	0
56	MG	BA	3002	1/1	0.98	0.04	20,20,20,20	0
56	MG	BA	3322	1/1	0.98	0.08	33,33,33,33	0
56	MG	BA	3323	1/1	0.98	0.05	40,40,40,40	0
56	MG	BA	3732	1/1	0.98	0.11	41,41,41,41	0
56	MG	BA	3003	1/1	0.98	0.07	44,44,44,44	0
56	MG	CV	102	1/1	0.98	0.03	25,25,25,25	0
56	MG	AA	1865	1/1	0.98	0.09	32,32,32,32	0
56	MG	BA	3736	1/1	0.98	0.08	39,39,39,39	0
56	MG	BA	3327	1/1	0.98	0.05	43,43,43,43	0
56	MG	BA	3739	1/1	0.98	0.04	37,37,37,37	0
56	MG	AA	1669	1/1	0.98	0.04	40,40,40,40	0
56	MG	AA	1868	1/1	0.98	0.07	41,41,41,41	0
56	MG	CY	115	1/1	0.98	0.05	38,38,38,38	0
56	MG	BA	3334	1/1	0.98	0.06	23,23,23,23	0
56	MG	BA	3336	1/1	0.98	0.06	38,38,38,38	0
56	MG	BA	3337	1/1	0.98	0.03	28,28,28,28	0
56	MG	BA	3025	1/1	0.98	0.05	13,13,13,13	0
56	MG	BA	3030	1/1	0.98	0.10	26,26,26,26	0
56	MG	AA	1780	1/1	0.98	0.06	34,34,34,34	0
56	MG	CC	303	1/1	0.98	0.11	22,22,22,22	0
56	MG	BA	3750	1/1	0.98	0.06	24,24,24,24	0
56	MG	BA	3037	1/1	0.98	0.04	8,8,8,8	0
56	MG	BA	3038	1/1	0.98	0.06	37,37,37,37	0
56	MG	BA	3753	1/1	0.98	0.06	28,28,28,28	0
56	MG	BA	3345	1/1	0.98	0.05	37,37,37,37	0
56	MG	CG	201	1/1	0.98	0.09	52,52,52,52	0
56	MG	CH	201	1/1	0.98	0.17	51,51,51,51	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1872	1/1	0.98	0.03	19,19,19,19	0
56	MG	BA	3347	1/1	0.98	0.04	19,19,19,19	0
56	MG	BA	3757	1/1	0.98	0.07	45,45,45,45	0
56	MG	BA	3758	1/1	0.98	0.04	24,24,24,24	0
56	MG	CK	202	1/1	0.98	0.02	40,40,40,40	0
56	MG	BA	3348	1/1	0.98	0.04	9,9,9,9	0
56	MG	BA	3040	1/1	0.98	0.05	35,35,35,35	0
56	MG	BA	3761	1/1	0.98	0.06	15,15,15,15	0
56	MG	AA	1873	1/1	0.98	0.04	36,36,36,36	0
56	MG	BA	3042	1/1	0.98	0.04	12,12,12,12	0
56	MG	CX	404	1/1	0.98	0.11	34,34,34,34	0
56	MG	BA	3355	1/1	0.98	0.05	35,35,35,35	0
56	MG	BA	3358	1/1	0.98	0.04	44,44,44,44	0
56	MG	BA	3359	1/1	0.98	0.03	21,21,21,21	0
56	MG	CX	408	1/1	0.98	0.09	44,44,44,44	0
56	MG	AA	1874	1/1	0.98	0.08	10,10,10,10	0
56	MG	DG	201	1/1	0.98	0.10	34,34,34,34	0
56	MG	DH	201	1/1	0.98	0.03	46,46,46,46	0
56	MG	AA	1708	1/1	0.98	0.04	48,48,48,48	0
56	MG	DI	202	1/1	0.98	0.03	18,18,18,18	0
56	MG	AA	1672	1/1	0.98	0.05	46,46,46,46	0
56	MG	AA	1878	1/1	0.98	0.13	37,37,37,37	0
56	MG	DP	202	1/1	0.98	0.05	44,44,44,44	0
56	MG	DP	203	1/1	0.98	0.05	43,43,43,43	0
56	MG	BA	3368	1/1	0.98	0.04	22,22,22,22	0
56	MG	BA	3774	1/1	0.98	0.04	44,44,44,44	0
56	MG	BA	3055	1/1	0.98	0.03	27,27,27,27	0
56	MG	DR	201	1/1	0.98	0.05	32,32,32,32	0
56	MG	AA	1716	1/1	0.98	0.05	35,35,35,35	0
56	MG	BA	3059	1/1	0.98	0.04	11,11,11,11	0
56	MG	DW	202	1/1	0.98	0.03	36,36,36,36	0
56	MG	BA	3373	1/1	0.98	0.03	24,24,24,24	0
56	MG	DZ	301	1/1	0.98	0.03	27,27,27,27	0
56	MG	DZ	302	1/1	0.98	0.04	24,24,24,24	0
56	MG	DZ	304	1/1	0.98	0.03	31,31,31,31	0
56	MG	BA	3378	1/1	0.98	0.04	28,28,28,28	0
56	MG	BA	3062	1/1	0.98	0.03	24,24,24,24	0
56	MG	BA	3785	1/1	0.98	0.08	47,47,47,47	0
56	MG	D4	103	1/1	0.98	0.06	40,40,40,40	0
56	MG	BA	3786	1/1	0.98	0.05	56,56,56,56	0
56	MG	D8	101	1/1	0.98	0.06	20,20,20,20	0
56	MG	AA	1673	1/1	0.98	0.05	21,21,21,21	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3002	1/1	0.98	0.17	45,45,45,45	0
56	MG	DA	3003	1/1	0.98	0.11	33,33,33,33	0
56	MG	BA	3789	1/1	0.98	0.07	35,35,35,35	0
56	MG	DA	3007	1/1	0.98	0.04	24,24,24,24	0
56	MG	BA	3790	1/1	0.98	0.07	75,75,75,75	0
56	MG	DA	3013	1/1	0.98	0.06	23,23,23,23	0
56	MG	DA	3016	1/1	0.98	0.04	3,3,3,3	0
56	MG	DA	3018	1/1	0.98	0.05	3,3,3,3	0
56	MG	DA	3022	1/1	0.98	0.03	19,19,19,19	0
56	MG	DA	3027	1/1	0.98	0.04	22,22,22,22	0
56	MG	DA	3028	1/1	0.98	0.04	34,34,34,34	0
56	MG	DA	3029	1/1	0.98	0.03	25,25,25,25	0
56	MG	DA	3030	1/1	0.98	0.04	17,17,17,17	0
56	MG	BA	3791	1/1	0.98	0.03	54,54,54,54	0
56	MG	BA	3070	1/1	0.98	0.03	32,32,32,32	0
56	MG	DA	3040	1/1	0.98	0.08	10,10,10,10	0
56	MG	DA	3041	1/1	0.98	0.05	12,12,12,12	0
56	MG	DA	3042	1/1	0.98	0.05	7,7,7,7	0
56	MG	DA	3043	1/1	0.98	0.04	25,25,25,25	0
56	MG	DA	3049	1/1	0.98	0.04	11,11,11,11	0
56	MG	DA	3051	1/1	0.98	0.03	11,11,11,11	0
56	MG	BA	3795	1/1	0.98	0.07	35,35,35,35	0
56	MG	BA	3386	1/1	0.98	0.04	38,38,38,38	0
56	MG	BA	3071	1/1	0.98	0.07	34,34,34,34	0
56	MG	DA	3057	1/1	0.98	0.12	31,31,31,31	0
56	MG	BA	3388	1/1	0.98	0.09	46,46,46,46	0
56	MG	DA	3062	1/1	0.98	0.04	31,31,31,31	0
56	MG	BA	3076	1/1	0.98	0.04	26,26,26,26	0
56	MG	BA	3801	1/1	0.98	0.04	45,45,45,45	0
56	MG	DA	3070	1/1	0.98	0.03	20,20,20,20	0
56	MG	DA	3072	1/1	0.98	0.04	29,29,29,29	0
56	MG	DA	3080	1/1	0.98	0.03	23,23,23,23	0
56	MG	BA	3393	1/1	0.98	0.07	32,32,32,32	0
56	MG	DA	3082	1/1	0.98	0.05	19,19,19,19	0
56	MG	DA	3084	1/1	0.98	0.07	26,26,26,26	0
56	MG	DA	3085	1/1	0.98	0.06	35,35,35,35	0
56	MG	DA	3086	1/1	0.98	0.05	42,42,42,42	0
56	MG	BA	3394	1/1	0.98	0.04	17,17,17,17	0
56	MG	AA	1882	1/1	0.98	0.06	30,30,30,30	0
56	MG	DA	3090	1/1	0.98	0.04	12,12,12,12	0
56	MG	BA	3397	1/1	0.98	0.07	45,45,45,45	0
56	MG	DA	3093	1/1	0.98	0.03	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BB	201	1/1	0.98	0.03	35,35,35,35	0
56	MG	DA	3104	1/1	0.98	0.03	21,21,21,21	0
56	MG	BA	3398	1/1	0.98	0.04	16,16,16,16	0
56	MG	DA	3108	1/1	0.98	0.06	1,1,1,1	0
56	MG	AA	1647	1/1	0.98	0.04	44,44,44,44	0
56	MG	DA	3112	1/1	0.98	0.03	21,21,21,21	0
56	MG	BA	3085	1/1	0.98	0.13	37,37,37,37	0
56	MG	DA	3115	1/1	0.98	0.03	5,5,5,5	0
56	MG	BB	208	1/1	0.98	0.03	18,18,18,18	0
56	MG	DA	3118	1/1	0.98	0.03	26,26,26,26	0
56	MG	DA	3120	1/1	0.98	0.03	23,23,23,23	0
56	MG	DA	3122	1/1	0.98	0.04	46,46,46,46	0
56	MG	BA	3401	1/1	0.98	0.04	44,44,44,44	0
56	MG	BA	3402	1/1	0.98	0.04	39,39,39,39	0
56	MG	BB	213	1/1	0.98	0.06	35,35,35,35	0
56	MG	BA	3086	1/1	0.98	0.03	23,23,23,23	0
56	MG	DA	3133	1/1	0.98	0.06	21,21,21,21	0
56	MG	BB	215	1/1	0.98	0.03	47,47,47,47	0
56	MG	DA	3135	1/1	0.98	0.04	25,25,25,25	0
56	MG	DA	3136	1/1	0.98	0.05	11,11,11,11	0
56	MG	BA	3088	1/1	0.98	0.03	10,10,10,10	0
56	MG	DA	3139	1/1	0.98	0.08	47,47,47,47	0
56	MG	DA	3140	1/1	0.98	0.07	18,18,18,18	0
56	MG	DA	3143	1/1	0.98	0.06	31,31,31,31	0
56	MG	BA	3405	1/1	0.98	0.04	20,20,20,20	0
56	MG	DA	3149	1/1	0.98	0.06	37,37,37,37	0
56	MG	BA	3090	1/1	0.98	0.03	56,56,56,56	0
56	MG	BA	3092	1/1	0.98	0.13	40,40,40,40	0
56	MG	DA	3157	1/1	0.98	0.04	30,30,30,30	0
56	MG	BA	3093	1/1	0.98	0.04	34,34,34,34	0
56	MG	DA	3160	1/1	0.98	0.04	35,35,35,35	0
56	MG	BA	3094	1/1	0.98	0.08	23,23,23,23	0
56	MG	DA	3164	1/1	0.98	0.04	13,13,13,13	0
56	MG	BA	3417	1/1	0.98	0.06	25,25,25,25	0
56	MG	BA	3418	1/1	0.98	0.04	34,34,34,34	0
56	MG	BA	3419	1/1	0.98	0.03	29,29,29,29	0
56	MG	BA	3097	1/1	0.98	0.06	16,16,16,16	0
56	MG	BF	302	1/1	0.98	0.04	13,13,13,13	0
56	MG	DA	3172	1/1	0.98	0.07	31,31,31,31	0
56	MG	BA	3422	1/1	0.98	0.08	24,24,24,24	0
56	MG	DA	3174	1/1	0.98	0.07	33,33,33,33	0
56	MG	DA	3175	1/1	0.98	0.10	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BG	201	1/1	0.98	0.03	47,47,47,47	0
56	MG	BA	3424	1/1	0.98	0.03	17,17,17,17	0
56	MG	BA	3098	1/1	0.98	0.04	28,28,28,28	0
56	MG	DA	3180	1/1	0.98	0.04	22,22,22,22	0
56	MG	DA	3182	1/1	0.98	0.04	23,23,23,23	0
56	MG	DA	3183	1/1	0.98	0.05	12,12,12,12	0
56	MG	BI	201	1/1	0.98	0.09	29,29,29,29	0
56	MG	DA	3185	1/1	0.98	0.10	44,44,44,44	0
56	MG	AA	1790	1/1	0.98	0.09	32,32,32,32	0
56	MG	BA	3430	1/1	0.98	0.05	32,32,32,32	0
56	MG	AA	1886	1/1	0.98	0.11	39,39,39,39	0
56	MG	DA	3193	1/1	0.98	0.05	17,17,17,17	0
56	MG	BA	3433	1/1	0.98	0.04	40,40,40,40	0
56	MG	DA	3195	1/1	0.98	0.05	28,28,28,28	0
56	MG	DA	3196	1/1	0.98	0.04	12,12,12,12	0
56	MG	DA	3197	1/1	0.98	0.05	31,31,31,31	0
56	MG	DA	3198	1/1	0.98	0.12	51,51,51,51	0
56	MG	BP	201	1/1	0.98	0.08	34,34,34,34	0
56	MG	BQ	201	1/1	0.98	0.12	38,38,38,38	0
56	MG	DA	3204	1/1	0.98	0.06	28,28,28,28	0
56	MG	DA	3205	1/1	0.98	0.04	24,24,24,24	0
56	MG	DA	3206	1/1	0.98	0.03	20,20,20,20	0
56	MG	AA	1887	1/1	0.98	0.14	18,18,18,18	0
56	MG	BQ	203	1/1	0.98	0.04	43,43,43,43	0
56	MG	BA	3106	1/1	0.98	0.04	26,26,26,26	0
56	MG	BA	3109	1/1	0.98	0.09	25,25,25,25	0
56	MG	BA	3441	1/1	0.98	0.04	28,28,28,28	0
56	MG	DA	3217	1/1	0.98	0.03	20,20,20,20	0
56	MG	BW	202	1/1	0.98	0.03	33,33,33,33	0
56	MG	DA	3219	1/1	0.98	0.04	12,12,12,12	0
56	MG	DA	3223	1/1	0.98	0.08	26,26,26,26	0
56	MG	DA	3226	1/1	0.98	0.05	21,21,21,21	0
56	MG	B1	102	1/1	0.98	0.06	24,24,24,24	0
56	MG	DA	3228	1/1	0.98	0.05	12,12,12,12	0
56	MG	DA	3233	1/1	0.98	0.04	5,5,5,5	0
56	MG	DA	3236	1/1	0.98	0.05	14,14,14,14	0
56	MG	DA	3240	1/1	0.98	0.03	21,21,21,21	0
56	MG	DA	3242	1/1	0.98	0.04	24,24,24,24	0
56	MG	BA	3442	1/1	0.98	0.03	26,26,26,26	0
56	MG	B7	103	1/1	0.98	0.06	47,47,47,47	0
56	MG	AA	1675	1/1	0.98	0.10	47,47,47,47	0
56	MG	CA	1603	1/1	0.98	0.04	41,41,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3251	1/1	0.98	0.06	16,16,16,16	0
56	MG	DA	3252	1/1	0.98	0.04	16,16,16,16	0
56	MG	CA	1604	1/1	0.98	0.04	37,37,37,37	0
56	MG	DA	3254	1/1	0.98	0.05	35,35,35,35	0
56	MG	CA	1605	1/1	0.98	0.04	27,27,27,27	0
56	MG	CA	1608	1/1	0.98	0.08	27,27,27,27	0
56	MG	DA	3258	1/1	0.98	0.05	39,39,39,39	0
56	MG	DA	3260	1/1	0.98	0.03	15,15,15,15	0
56	MG	DA	3261	1/1	0.98	0.03	33,33,33,33	0
56	MG	DA	3263	1/1	0.98	0.05	22,22,22,22	0
56	MG	DA	3264	1/1	0.98	0.05	29,29,29,29	0
56	MG	DA	3265	1/1	0.98	0.06	25,25,25,25	0
56	MG	CA	1609	1/1	0.98	0.03	60,60,60,60	0
56	MG	CA	1610	1/1	0.98	0.04	24,24,24,24	0
56	MG	DA	3270	1/1	0.98	0.04	35,35,35,35	0
56	MG	CA	1613	1/1	0.98	0.05	17,17,17,17	0
56	MG	DA	3274	1/1	0.98	0.06	6,6,6,6	0
56	MG	BA	3114	1/1	0.98	0.08	47,47,47,47	0
56	MG	CA	1615	1/1	0.98	0.08	55,55,55,55	0
56	MG	DA	3286	1/1	0.98	0.05	6,6,6,6	0
56	MG	AA	1793	1/1	0.98	0.03	30,30,30,30	0
56	MG	CA	1618	1/1	0.98	0.06	27,27,27,27	0
56	MG	BA	3451	1/1	0.98	0.04	51,51,51,51	0
56	MG	AA	1891	1/1	0.98	0.06	68,68,68,68	0
56	MG	DA	3293	1/1	0.98	0.03	10,10,10,10	0
56	MG	CA	1621	1/1	0.98	0.04	34,34,34,34	0
56	MG	DA	3301	1/1	0.98	0.03	31,31,31,31	0
56	MG	CA	1622	1/1	0.98	0.04	24,24,24,24	0
56	MG	DA	3307	1/1	0.98	0.09	47,47,47,47	0
56	MG	DA	3309	1/1	0.98	0.04	30,30,30,30	0
56	MG	DA	3310	1/1	0.98	0.05	34,34,34,34	0
56	MG	BA	3455	1/1	0.98	0.10	46,46,46,46	0
56	MG	DA	3318	1/1	0.98	0.09	21,21,21,21	0
56	MG	BA	3117	1/1	0.98	0.04	33,33,33,33	0
56	MG	DA	3323	1/1	0.98	0.05	8,8,8,8	0
56	MG	DA	3325	1/1	0.98	0.08	34,34,34,34	0
56	MG	DA	3326	1/1	0.98	0.03	27,27,27,27	0
56	MG	AA	1725	1/1	0.98	0.03	23,23,23,23	0
56	MG	CA	1628	1/1	0.98	0.04	23,23,23,23	0
56	MG	BA	3459	1/1	0.98	0.06	40,40,40,40	0
56	MG	DA	3336	1/1	0.98	0.05	38,38,38,38	0
56	MG	DA	3337	1/1	0.98	0.06	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3338	1/1	0.98	0.06	25,25,25,25	0
56	MG	BA	3461	1/1	0.98	0.03	23,23,23,23	0
56	MG	BA	3462	1/1	0.98	0.04	39,39,39,39	0
56	MG	DA	3343	1/1	0.98	0.04	35,35,35,35	0
56	MG	BA	3463	1/1	0.98	0.03	27,27,27,27	0
56	MG	BA	3464	1/1	0.98	0.05	30,30,30,30	0
56	MG	AA	1798	1/1	0.98	0.04	32,32,32,32	0
56	MG	BA	3466	1/1	0.98	0.06	22,22,22,22	0
56	MG	AA	1619	1/1	0.98	0.06	37,37,37,37	0
56	MG	AA	1896	1/1	0.98	0.04	57,57,57,57	0
56	MG	DA	3359	1/1	0.98	0.04	19,19,19,19	0
56	MG	CA	1652	1/1	0.98	0.10	40,40,40,40	0
56	MG	DA	3361	1/1	0.98	0.08	19,19,19,19	0
56	MG	BA	3124	1/1	0.98	0.07	33,33,33,33	0
56	MG	DA	3364	1/1	0.98	0.09	43,43,43,43	0
56	MG	DA	3366	1/1	0.98	0.06	21,21,21,21	0
56	MG	BA	3473	1/1	0.98	0.03	35,35,35,35	0
56	MG	CA	1658	1/1	0.98	0.04	37,37,37,37	0
56	MG	DA	3370	1/1	0.98	0.05	23,23,23,23	0
56	MG	AA	1649	1/1	0.98	0.07	41,41,41,41	0
56	MG	BA	3477	1/1	0.98	0.04	31,31,31,31	0
56	MG	CA	1661	1/1	0.98	0.04	47,47,47,47	0
56	MG	DA	3376	1/1	0.98	0.05	35,35,35,35	0
56	MG	BA	3479	1/1	0.98	0.04	45,45,45,45	0
56	MG	DA	3381	1/1	0.98	0.03	36,36,36,36	0
56	MG	AA	1899	1/1	0.98	0.07	42,42,42,42	0
56	MG	CA	1665	1/1	0.98	0.03	26,26,26,26	0
56	MG	DA	3386	1/1	0.98	0.04	27,27,27,27	0
56	MG	DA	3388	1/1	0.98	0.03	3,3,3,3	0
56	MG	BA	3128	1/1	0.98	0.05	38,38,38,38	0
56	MG	CA	1667	1/1	0.98	0.07	21,21,21,21	0
56	MG	DA	3393	1/1	0.98	0.03	37,37,37,37	0
56	MG	DA	3395	1/1	0.98	0.06	34,34,34,34	0
56	MG	DA	3396	1/1	0.98	0.05	21,21,21,21	0
56	MG	DA	3398	1/1	0.98	0.08	26,26,26,26	0
56	MG	BA	3486	1/1	0.98	0.03	41,41,41,41	0
56	MG	DA	3400	1/1	0.98	0.06	19,19,19,19	0
56	MG	AA	1900	1/1	0.98	0.08	44,44,44,44	0
56	MG	CA	1671	1/1	0.98	0.04	40,40,40,40	0
56	MG	BA	3490	1/1	0.98	0.04	22,22,22,22	0
56	MG	DA	3405	1/1	0.98	0.04	57,57,57,57	0
56	MG	CA	1673	1/1	0.98	0.04	48,48,48,48	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3407	1/1	0.98	0.06	32,32,32,32	0
56	MG	DA	3408	1/1	0.98	0.05	31,31,31,31	0
56	MG	CA	1674	1/1	0.98	0.03	63,63,63,63	0
56	MG	BA	3130	1/1	0.98	0.04	36,36,36,36	0
56	MG	CA	1677	1/1	0.98	0.06	27,27,27,27	0
56	MG	AA	1620	1/1	0.98	0.03	35,35,35,35	0
56	MG	DA	3416	1/1	0.98	0.05	26,26,26,26	0
56	MG	DA	3417	1/1	0.98	0.03	53,53,53,53	0
56	MG	BA	3494	1/1	0.98	0.06	25,25,25,25	0
56	MG	AA	1803	1/1	0.98	0.08	30,30,30,30	0
56	MG	DA	3420	1/1	0.98	0.08	45,45,45,45	0
56	MG	DA	3422	1/1	0.98	0.04	22,22,22,22	0
56	MG	BA	3498	1/1	0.98	0.03	19,19,19,19	0
56	MG	BA	3501	1/1	0.98	0.02	60,60,60,60	0
56	MG	CA	1685	1/1	0.98	0.04	6,6,6,6	0
56	MG	AA	1735	1/1	0.98	0.06	24,24,24,24	0
56	MG	CA	1687	1/1	0.98	0.04	19,19,19,19	0
56	MG	DA	3431	1/1	0.98	0.04	29,29,29,29	0
56	MG	AA	1806	1/1	0.98	0.06	34,34,34,34	0
56	MG	CA	1690	1/1	0.98	0.06	30,30,30,30	0
56	MG	DA	3434	1/1	0.98	0.05	29,29,29,29	0
56	MG	CA	1694	1/1	0.98	0.04	39,39,39,39	0
56	MG	BA	3509	1/1	0.98	0.05	33,33,33,33	0
56	MG	DA	3438	1/1	0.98	0.14	24,24,24,24	0
56	MG	CA	1696	1/1	0.98	0.07	54,54,54,54	0
56	MG	BA	3140	1/1	0.98	0.04	22,22,22,22	0
56	MG	DA	3442	1/1	0.98	0.06	32,32,32,32	0
56	MG	DA	3443	1/1	0.98	0.07	25,25,25,25	0
56	MG	DA	3445	1/1	0.98	0.03	31,31,31,31	0
56	MG	DA	3447	1/1	0.98	0.04	36,36,36,36	0
56	MG	DA	3448	1/1	0.98	0.04	36,36,36,36	0
56	MG	BA	3511	1/1	0.98	0.05	26,26,26,26	0
56	MG	DA	3453	1/1	0.98	0.06	23,23,23,23	0
56	MG	BA	3512	1/1	0.98	0.05	16,16,16,16	0
56	MG	BA	3513	1/1	0.98	0.03	24,24,24,24	0
56	MG	CA	1703	1/1	0.98	0.03	34,34,34,34	0
56	MG	DA	3459	1/1	0.98	0.04	22,22,22,22	0
56	MG	BA	3141	1/1	0.98	0.03	39,39,39,39	0
56	MG	AA	1907	1/1	0.98	0.04	54,54,54,54	0
56	MG	BA	3519	1/1	0.98	0.03	38,38,38,38	0
56	MG	DA	3464	1/1	0.98	0.05	26,26,26,26	0
56	MG	CA	1709	1/1	0.98	0.04	39,39,39,39	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3524	1/1	0.98	0.09	36,36,36,36	0
56	MG	CA	1715	1/1	0.98	0.03	39,39,39,39	0
56	MG	CA	1718	1/1	0.98	0.07	38,38,38,38	0
56	MG	DA	3469	1/1	0.98	0.06	19,19,19,19	0
56	MG	AA	1910	1/1	0.98	0.06	32,32,32,32	0
56	MG	DA	3471	1/1	0.98	0.03	18,18,18,18	0
56	MG	BA	3529	1/1	0.98	0.04	32,32,32,32	0
56	MG	DA	3473	1/1	0.98	0.05	55,55,55,55	0
56	MG	BA	3530	1/1	0.98	0.05	35,35,35,35	0
56	MG	CA	1723	1/1	0.98	0.06	33,33,33,33	0
56	MG	BA	3145	1/1	0.98	0.06	36,36,36,36	0
56	MG	CA	1725	1/1	0.98	0.04	26,26,26,26	0
56	MG	DA	3479	1/1	0.98	0.03	44,44,44,44	0
56	MG	DA	3480	1/1	0.98	0.06	46,46,46,46	0
56	MG	DA	3482	1/1	0.98	0.04	42,42,42,42	0
56	MG	CA	1726	1/1	0.98	0.05	32,32,32,32	0
56	MG	AZ	101	1/1	0.98	0.08	42,42,42,42	0
56	MG	DA	3486	1/1	0.98	0.07	35,35,35,35	0
56	MG	CA	1729	1/1	0.98	0.07	15,15,15,15	0
56	MG	BA	3535	1/1	0.98	0.07	43,43,43,43	0
56	MG	DA	3494	1/1	0.98	0.02	5,5,5,5	0
56	MG	DA	3495	1/1	0.98	0.04	13,13,13,13	0
56	MG	BA	3536	1/1	0.98	0.04	34,34,34,34	0
56	MG	CA	1734	1/1	0.98	0.07	42,42,42,42	0
56	MG	AA	1621	1/1	0.98	0.04	15,15,15,15	0
56	MG	DA	3501	1/1	0.98	0.05	47,47,47,47	0
56	MG	AZ	105	1/1	0.98	0.04	44,44,44,44	0
56	MG	BA	3543	1/1	0.98	0.05	19,19,19,19	0
56	MG	AZ	106	1/1	0.98	0.04	37,37,37,37	0
56	MG	DA	3508	1/1	0.98	0.05	16,16,16,16	0
56	MG	BA	3152	1/1	0.98	0.05	7,7,7,7	0
56	MG	DA	3510	1/1	0.98	0.08	38,38,38,38	0
56	MG	DA	3512	1/1	0.98	0.03	15,15,15,15	0
56	MG	BA	3549	1/1	0.98	0.04	40,40,40,40	0
56	MG	AA	1653	1/1	0.98	0.11	44,44,44,44	0
56	MG	DA	3517	1/1	0.98	0.06	48,48,48,48	0
56	MG	DA	3518	1/1	0.98	0.04	13,13,13,13	0
56	MG	DA	3520	1/1	0.98	0.06	63,63,63,63	0
56	MG	CA	1746	1/1	0.98	0.03	30,30,30,30	0
56	MG	BA	3554	1/1	0.98	0.05	19,19,19,19	0
56	MG	AA	1683	1/1	0.98	0.03	39,39,39,39	0
56	MG	AY	103	1/1	0.98	0.03	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3158	1/1	0.98	0.03	44,44,44,44	0
56	MG	AA	1815	1/1	0.98	0.04	24,24,24,24	0
56	MG	BA	3561	1/1	0.98	0.05	30,30,30,30	0
56	MG	AA	1817	1/1	0.98	0.05	39,39,39,39	0
56	MG	AY	108	1/1	0.98	0.03	33,33,33,33	0
56	MG	CA	1762	1/1	0.98	0.04	30,30,30,30	0
56	MG	AA	1604	1/1	0.98	0.03	26,26,26,26	0
56	MG	DA	3552	1/1	0.98	0.05	16,16,16,16	0
56	MG	CA	1764	1/1	0.98	0.03	30,30,30,30	0
56	MG	DA	3556	1/1	0.98	0.03	20,20,20,20	0
56	MG	CA	1767	1/1	0.98	0.04	22,22,22,22	0
56	MG	BA	3571	1/1	0.98	0.04	40,40,40,40	0
56	MG	DA	3560	1/1	0.98	0.04	8,8,8,8	0
56	MG	DA	3561	1/1	0.98	0.10	19,19,19,19	0
56	MG	DA	3565	1/1	0.98	0.06	36,36,36,36	0
56	MG	CA	1769	1/1	0.98	0.06	56,56,56,56	0
56	MG	BA	3169	1/1	0.98	0.06	26,26,26,26	0
56	MG	DA	3572	1/1	0.98	0.05	36,36,36,36	0
56	MG	CA	1774	1/1	0.98	0.03	31,31,31,31	0
56	MG	CA	1775	1/1	0.98	0.04	30,30,30,30	0
56	MG	DA	3577	1/1	0.98	0.05	42,42,42,42	0
56	MG	DA	3578	1/1	0.98	0.03	11,11,11,11	0
56	MG	AA	1656	1/1	0.98	0.06	41,41,41,41	0
56	MG	BA	3575	1/1	0.98	0.06	52,52,52,52	0
56	MG	AA	1657	1/1	0.98	0.06	37,37,37,37	0
56	MG	DA	3586	1/1	0.98	0.04	55,55,55,55	0
56	MG	BA	3577	1/1	0.98	0.03	17,17,17,17	0
56	MG	AA	1746	1/1	0.98	0.13	14,14,14,14	0
56	MG	CA	1789	1/1	0.98	0.12	53,53,53,53	0
56	MG	DA	3593	1/1	0.98	0.15	28,28,28,28	0
56	MG	CA	1790	1/1	0.98	0.04	38,38,38,38	0
56	MG	DA	3597	1/1	0.98	0.04	40,40,40,40	0
56	MG	BA	3581	1/1	0.98	0.07	39,39,39,39	0
56	MG	DA	3600	1/1	0.98	0.04	17,17,17,17	0
56	MG	AA	1828	1/1	0.98	0.06	47,47,47,47	0
56	MG	DA	3602	1/1	0.98	0.04	32,32,32,32	0
56	MG	CA	1795	1/1	0.98	0.05	42,42,42,42	0
56	MG	AY	114	1/1	0.98	0.05	20,20,20,20	0
56	MG	CA	1800	1/1	0.98	0.06	30,30,30,30	0
56	MG	BA	3186	1/1	0.98	0.05	28,28,28,28	0
56	MG	CA	1806	1/1	0.98	0.04	36,36,36,36	0
56	MG	AA	1661	1/1	0.98	0.03	28,28,28,28	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1810	1/1	0.98	0.04	28,28,28,28	0
56	MG	CA	1811	1/1	0.98	0.04	43,43,43,43	0
56	MG	DA	3613	1/1	0.98	0.03	26,26,26,26	0
56	MG	DA	3614	1/1	0.98	0.05	55,55,55,55	0
56	MG	CA	1812	1/1	0.98	0.05	51,51,51,51	0
56	MG	CA	1813	1/1	0.98	0.04	41,41,41,41	0
56	MG	DA	3619	1/1	0.98	0.06	23,23,23,23	0
56	MG	CA	1814	1/1	0.98	0.04	31,31,31,31	0
56	MG	BA	3191	1/1	0.98	0.04	41,41,41,41	0
56	MG	CA	1818	1/1	0.98	0.07	64,64,64,64	0
56	MG	BA	3590	1/1	0.98	0.03	27,27,27,27	0
56	MG	CA	1820	1/1	0.98	0.08	55,55,55,55	0
56	MG	DA	3625	1/1	0.98	0.08	28,28,28,28	0
56	MG	AA	1831	1/1	0.98	0.03	44,44,44,44	0
56	MG	DA	3630	1/1	0.98	0.04	21,21,21,21	0
56	MG	DA	3631	1/1	0.98	0.04	26,26,26,26	0
56	MG	DA	3632	1/1	0.98	0.05	32,32,32,32	0
56	MG	CA	1822	1/1	0.98	0.05	26,26,26,26	0
56	MG	CA	1823	1/1	0.98	0.04	40,40,40,40	0
56	MG	DA	3637	1/1	0.98	0.09	66,66,66,66	0
56	MG	AY	118	1/1	0.98	0.09	45,45,45,45	0
56	MG	CA	1825	1/1	0.98	0.04	26,26,26,26	0
56	MG	AY	119	1/1	0.98	0.05	22,22,22,22	0
56	MG	BA	3198	1/1	0.98	0.03	21,21,21,21	0
56	MG	BA	3200	1/1	0.98	0.04	20,20,20,20	0
56	MG	CA	1832	1/1	0.98	0.08	38,38,38,38	0
56	MG	CA	1833	1/1	0.98	0.04	37,37,37,37	0
56	MG	AA	1692	1/1	0.98	0.05	45,45,45,45	0
56	MG	DA	3652	1/1	0.98	0.04	45,45,45,45	0
56	MG	AA	1602	1/1	0.98	0.07	23,23,23,23	0
56	MG	CA	1838	1/1	0.98	0.06	28,28,28,28	0
56	MG	CA	1840	1/1	0.98	0.06	54,54,54,54	0
56	MG	CA	1844	1/1	0.98	0.05	26,26,26,26	0
56	MG	CA	1845	1/1	0.98	0.03	21,21,21,21	0
56	MG	BA	3203	1/1	0.98	0.08	27,27,27,27	0
56	MG	BA	3602	1/1	0.98	0.06	42,42,42,42	0
56	MG	AY	124	1/1	0.98	0.05	21,21,21,21	0
56	MG	DA	3662	1/1	0.98	0.09	24,24,24,24	0
56	MG	DA	3663	1/1	0.98	0.04	19,19,19,19	0
56	MG	AA	1834	1/1	0.98	0.14	36,36,36,36	0
56	MG	DA	3665	1/1	0.98	0.06	35,35,35,35	0
56	MG	AA	1836	1/1	0.98	0.04	45,45,45,45	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3607	1/1	0.98	0.07	23,23,23,23	0
56	MG	BA	3608	1/1	0.98	0.04	25,25,25,25	0
56	MG	BA	3610	1/1	0.98	0.05	34,34,34,34	0
56	MG	BA	3611	1/1	0.98	0.05	11,11,11,11	0
56	MG	DA	3681	1/1	0.98	0.09	28,28,28,28	0
56	MG	BA	3207	1/1	0.98	0.04	31,31,31,31	0
56	MG	BA	3613	1/1	0.98	0.04	45,45,45,45	0
56	MG	DA	3685	1/1	0.98	0.05	20,20,20,20	0
56	MG	CA	1867	1/1	0.98	0.03	33,33,33,33	0
56	MG	BA	3617	1/1	0.98	0.04	32,32,32,32	0
56	MG	CA	1872	1/1	0.98	0.06	24,24,24,24	0
56	MG	BA	3209	1/1	0.98	0.06	31,31,31,31	0
56	MG	AA	1695	1/1	0.98	0.04	33,33,33,33	0
56	MG	BA	3623	1/1	0.98	0.06	43,43,43,43	0
56	MG	AA	1754	1/1	0.98	0.04	21,21,21,21	0
56	MG	CA	1880	1/1	0.98	0.06	51,51,51,51	0
56	MG	BA	3626	1/1	0.98	0.12	29,29,29,29	0
56	MG	BA	3215	1/1	0.98	0.03	28,28,28,28	0
56	MG	DA	3701	1/1	0.98	0.04	27,27,27,27	0
56	MG	BA	3628	1/1	0.98	0.03	24,24,24,24	0
56	MG	CA	1884	1/1	0.98	0.03	39,39,39,39	0
56	MG	DA	3704	1/1	0.98	0.04	34,34,34,34	0
56	MG	DA	3705	1/1	0.98	0.07	39,39,39,39	0
56	MG	DA	3706	1/1	0.98	0.14	42,42,42,42	0
56	MG	DA	3707	1/1	0.98	0.04	45,45,45,45	0
56	MG	CA	1885	1/1	0.98	0.04	72,72,72,72	0
56	MG	DA	3709	1/1	0.98	0.08	24,24,24,24	0
56	MG	DA	3711	1/1	0.98	0.03	49,49,49,49	0
56	MG	AA	1758	1/1	0.98	0.04	47,47,47,47	0
56	MG	DA	3713	1/1	0.98	0.04	27,27,27,27	0
56	MG	DA	3715	1/1	0.98	0.04	50,50,50,50	0
56	MG	DA	3716	1/1	0.98	0.06	54,54,54,54	0
56	MG	DA	3717	1/1	0.98	0.10	24,24,24,24	0
56	MG	CA	1888	1/1	0.98	0.04	51,51,51,51	0
56	MG	CA	1890	1/1	0.98	0.05	37,37,37,37	0
56	MG	DA	3720	1/1	0.98	0.05	45,45,45,45	0
56	MG	CA	1891	1/1	0.98	0.05	30,30,30,30	0
56	MG	CA	1893	1/1	0.98	0.08	23,23,23,23	0
56	MG	BA	3630	1/1	0.98	0.06	41,41,41,41	0
56	MG	BA	3631	1/1	0.98	0.03	34,34,34,34	0
56	MG	BA	3632	1/1	0.98	0.06	50,50,50,50	0
56	MG	DA	3728	1/1	0.98	0.07	33,33,33,33	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1901	1/1	0.98	0.11	7,7,7,7	0
56	MG	BA	3218	1/1	0.98	0.04	20,20,20,20	0
56	MG	CA	1903	1/1	0.98	0.07	31,31,31,31	0
56	MG	BA	3634	1/1	0.98	0.07	18,18,18,18	0
56	MG	BA	3635	1/1	0.98	0.04	32,32,32,32	0
56	MG	CA	1907	1/1	0.98	0.03	31,31,31,31	0
56	MG	DA	3737	1/1	0.98	0.07	56,56,56,56	0
56	MG	AC	304	1/1	0.98	0.07	55,55,55,55	0
56	MG	DA	3739	1/1	0.98	0.07	20,20,20,20	0
56	MG	BA	3638	1/1	0.98	0.05	38,38,38,38	0
56	MG	AA	1612	1/1	0.98	0.03	14,14,14,14	0
56	MG	AA	1699	1/1	0.98	0.04	35,35,35,35	0
56	MG	DA	3744	1/1	0.98	0.07	62,62,62,62	0
56	MG	DA	3745	1/1	0.98	0.20	39,39,39,39	0
56	MG	AD	305	1/1	0.98	0.04	52,52,52,52	0
56	MG	DA	3747	1/1	0.98	0.07	23,23,23,23	0
56	MG	BA	3230	1/1	0.98	0.03	0,0,0,0	0
56	MG	BA	3643	1/1	0.98	0.04	23,23,23,23	0
56	MG	AA	1765	1/1	0.98	0.05	35,35,35,35	0
56	MG	DA	3751	1/1	0.98	0.05	48,48,48,48	0
56	MG	AD	309	1/1	0.98	0.08	36,36,36,36	0
56	MG	CA	1920	1/1	0.98	0.22	32,32,32,32	0
56	MG	BA	3649	1/1	0.98	0.08	29,29,29,29	0
56	MG	CA	1922	1/1	0.98	0.08	33,33,33,33	0
56	MG	DB	203	1/1	0.98	0.05	21,21,21,21	0
56	MG	DB	204	1/1	0.98	0.03	48,48,48,48	0
56	MG	BA	3650	1/1	0.98	0.08	33,33,33,33	0
56	MG	BA	3235	1/1	0.98	0.03	21,21,21,21	0
56	MG	DB	208	1/1	0.98	0.06	39,39,39,39	0
56	MG	DB	209	1/1	0.98	0.04	43,43,43,43	0
56	MG	BA	3239	1/1	0.98	0.05	22,22,22,22	0
56	MG	DB	211	1/1	0.98	0.05	15,15,15,15	0
56	MG	CA	1929	1/1	0.98	0.04	48,48,48,48	0
56	MG	BA	3241	1/1	0.98	0.04	19,19,19,19	0
56	MG	DB	215	1/1	0.98	0.03	47,47,47,47	0
56	MG	AA	1700	1/1	0.98	0.06	46,46,46,46	0
56	MG	BA	3656	1/1	0.98	0.08	52,52,52,52	0
56	MG	BA	3245	1/1	0.98	0.03	29,29,29,29	0
56	MG	DB	220	1/1	0.98	0.04	23,23,23,23	0
56	MG	CA	1934	1/1	0.98	0.05	56,56,56,56	0
56	MG	CA	1935	1/1	0.98	0.05	49,49,49,49	0
56	MG	DB	223	1/1	0.98	0.05	53,53,53,53	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DB	224	1/1	0.98	0.10	41,41,41,41	0
56	MG	DB	225	1/1	0.98	0.10	34,34,34,34	0
56	MG	BA	3247	1/1	0.98	0.08	39,39,39,39	0
56	MG	BA	3659	1/1	0.98	0.04	37,37,37,37	0
56	MG	AA	1768	1/1	0.98	0.04	32,32,32,32	0
56	MG	AA	1761	1/1	0.99	0.02	26,26,26,26	0
56	MG	BA	3056	1/1	0.99	0.04	1,1,1,1	0
56	MG	CV	101	1/1	0.99	0.04	37,37,37,37	0
56	MG	AA	1869	1/1	0.99	0.03	33,33,33,33	0
56	MG	CV	103	1/1	0.99	0.11	29,29,29,29	0
56	MG	CV	104	1/1	0.99	0.12	54,54,54,54	0
56	MG	CY	101	1/1	0.99	0.04	12,12,12,12	0
56	MG	CY	102	1/1	0.99	0.04	11,11,11,11	0
56	MG	AA	1652	1/1	0.99	0.03	17,17,17,17	0
56	MG	CY	104	1/1	0.99	0.03	20,20,20,20	0
56	MG	BA	3060	1/1	0.99	0.06	7,7,7,7	0
56	MG	BA	3061	1/1	0.99	0.07	26,26,26,26	0
56	MG	CY	107	1/1	0.99	0.07	38,38,38,38	0
56	MG	CY	108	1/1	0.99	0.03	22,22,22,22	0
56	MG	AA	1871	1/1	0.99	0.02	35,35,35,35	0
56	MG	BA	3064	1/1	0.99	0.03	21,21,21,21	0
56	MG	BA	3349	1/1	0.99	0.02	42,42,42,42	0
56	MG	CY	113	1/1	0.99	0.20	39,39,39,39	0
56	MG	CY	114	1/1	0.99	0.06	16,16,16,16	0
56	MG	BA	3065	1/1	0.99	0.03	18,18,18,18	0
56	MG	CY	116	1/1	0.99	0.06	19,19,19,19	0
56	MG	BA	3066	1/1	0.99	0.09	37,37,37,37	0
56	MG	BA	3067	1/1	0.99	0.05	27,27,27,27	0
56	MG	BA	3353	1/1	0.99	0.03	40,40,40,40	0
56	MG	BA	3354	1/1	0.99	0.10	19,19,19,19	0
56	MG	AA	1614	1/1	0.99	0.02	4,4,4,4	0
56	MG	BA	3356	1/1	0.99	0.05	29,29,29,29	0
56	MG	BA	3357	1/1	0.99	0.02	4,4,4,4	0
56	MG	BA	3069	1/1	0.99	0.03	11,11,11,11	0
56	MG	AA	1617	1/1	0.99	0.02	0,0,0,0	0
56	MG	BA	3360	1/1	0.99	0.06	17,17,17,17	0
56	MG	AA	1766	1/1	0.99	0.06	18,18,18,18	0
56	MG	CD	302	1/1	0.99	0.03	41,41,41,41	0
56	MG	CD	303	1/1	0.99	0.08	21,21,21,21	0
56	MG	BA	3072	1/1	0.99	0.06	26,26,26,26	0
56	MG	CF	201	1/1	0.99	0.02	50,50,50,50	0
56	MG	BA	3363	1/1	0.99	0.05	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3073	1/1	0.99	0.04	23,23,23,23	0
56	MG	BA	3767	1/1	0.99	0.05	20,20,20,20	0
56	MG	BA	3074	1/1	0.99	0.03	24,24,24,24	0
56	MG	BA	3367	1/1	0.99	0.03	24,24,24,24	0
56	MG	BA	3770	1/1	0.99	0.06	30,30,30,30	0
56	MG	BA	3075	1/1	0.99	0.05	11,11,11,11	0
56	MG	AA	1693	1/1	0.99	0.03	45,45,45,45	0
56	MG	CO	101	1/1	0.99	0.03	25,25,25,25	0
56	MG	BA	3370	1/1	0.99	0.06	24,24,24,24	0
56	MG	AA	1655	1/1	0.99	0.03	26,26,26,26	0
56	MG	BA	3079	1/1	0.99	0.03	29,29,29,29	0
56	MG	BA	3777	1/1	0.99	0.04	40,40,40,40	0
56	MG	BA	3080	1/1	0.99	0.05	19,19,19,19	0
56	MG	BA	3375	1/1	0.99	0.05	14,14,14,14	0
56	MG	BA	3376	1/1	0.99	0.05	35,35,35,35	0
56	MG	BA	3081	1/1	0.99	0.06	0,0,0,0	0
56	MG	BA	3782	1/1	0.99	0.04	19,19,19,19	0
56	MG	CX	409	1/1	0.99	0.11	33,33,33,33	0
56	MG	DD	301	1/1	0.99	0.02	0,0,0,0	0
56	MG	BA	3783	1/1	0.99	0.13	29,29,29,29	0
56	MG	BA	3379	1/1	0.99	0.03	25,25,25,25	0
56	MG	AA	1769	1/1	0.99	0.02	47,47,47,47	0
56	MG	BA	3083	1/1	0.99	0.04	9,9,9,9	0
56	MG	DI	201	1/1	0.99	0.03	18,18,18,18	0
56	MG	BA	3787	1/1	0.99	0.06	11,11,11,11	0
56	MG	DN	201	1/1	0.99	0.03	29,29,29,29	0
56	MG	BA	3382	1/1	0.99	0.05	33,33,33,33	0
56	MG	AA	1770	1/1	0.99	0.05	42,42,42,42	0
56	MG	BA	3384	1/1	0.99	0.03	1,1,1,1	0
56	MG	AA	1880	1/1	0.99	0.09	8,8,8,8	0
56	MG	BA	3792	1/1	0.99	0.03	42,42,42,42	0
56	MG	BA	3087	1/1	0.99	0.03	30,30,30,30	0
56	MG	BA	3794	1/1	0.99	0.12	12,12,12,12	0
56	MG	AA	1632	1/1	0.99	0.04	5,5,5,5	0
56	MG	BA	3389	1/1	0.99	0.04	33,33,33,33	0
56	MG	BA	3797	1/1	0.99	0.10	18,18,18,18	0
56	MG	BA	3390	1/1	0.99	0.03	33,33,33,33	0
56	MG	DW	203	1/1	0.99	0.04	7,7,7,7	0
56	MG	BA	3089	1/1	0.99	0.08	17,17,17,17	0
56	MG	AA	1772	1/1	0.99	0.03	17,17,17,17	0
56	MG	BA	3091	1/1	0.99	0.03	39,39,39,39	0
56	MG	DZ	303	1/1	0.99	0.07	32,32,32,32	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3395	1/1	0.99	0.06	34,34,34,34	0
56	MG	D2	101	1/1	0.99	0.04	58,58,58,58	0
56	MG	AA	1883	1/1	0.99	0.07	21,21,21,21	0
56	MG	BA	3804	1/1	0.99	0.04	29,29,29,29	0
56	MG	AA	1773	1/1	0.99	0.03	26,26,26,26	0
56	MG	AA	1774	1/1	0.99	0.02	27,27,27,27	0
56	MG	D7	101	1/1	0.99	0.04	22,22,22,22	0
56	MG	BA	3095	1/1	0.99	0.04	27,27,27,27	0
56	MG	BB	202	1/1	0.99	0.02	34,34,34,34	0
56	MG	BA	3096	1/1	0.99	0.05	16,16,16,16	0
56	MG	AA	1608	1/1	0.99	0.03	16,16,16,16	0
56	MG	AA	1777	1/1	0.99	0.05	36,36,36,36	0
56	MG	BB	207	1/1	0.99	0.06	28,28,28,28	0
56	MG	DA	3006	1/1	0.99	0.08	27,27,27,27	0
56	MG	BA	3100	1/1	0.99	0.04	42,42,42,42	0
56	MG	DA	3008	1/1	0.99	0.04	9,9,9,9	0
56	MG	DA	3009	1/1	0.99	0.03	8,8,8,8	0
56	MG	DA	3011	1/1	0.99	0.09	17,17,17,17	0
56	MG	BA	3102	1/1	0.99	0.04	22,22,22,22	0
56	MG	BB	211	1/1	0.99	0.03	16,16,16,16	0
56	MG	DA	3015	1/1	0.99	0.03	11,11,11,11	0
56	MG	AA	1697	1/1	0.99	0.02	1,1,1,1	0
56	MG	BA	3406	1/1	0.99	0.13	42,42,42,42	0
56	MG	DA	3020	1/1	0.99	0.06	9,9,9,9	0
56	MG	DA	3021	1/1	0.99	0.04	2,2,2,2	0
56	MG	BA	3407	1/1	0.99	0.03	15,15,15,15	0
56	MG	DA	3025	1/1	0.99	0.03	24,24,24,24	0
56	MG	DA	3026	1/1	0.99	0.02	16,16,16,16	0
56	MG	BA	3408	1/1	0.99	0.07	12,12,12,12	0
56	MG	BA	3409	1/1	0.99	0.03	22,22,22,22	0
56	MG	AA	1889	1/1	0.99	0.07	20,20,20,20	0
56	MG	AA	1698	1/1	0.99	0.02	27,27,27,27	0
56	MG	BA	3412	1/1	0.99	0.03	22,22,22,22	0
56	MG	DA	3033	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3034	1/1	0.99	0.03	9,9,9,9	0
56	MG	DA	3036	1/1	0.99	0.03	13,13,13,13	0
56	MG	AA	1658	1/1	0.99	0.03	19,19,19,19	0
56	MG	DA	3038	1/1	0.99	0.03	14,14,14,14	0
56	MG	DA	3039	1/1	0.99	0.02	17,17,17,17	0
56	MG	BA	3414	1/1	0.99	0.08	24,24,24,24	0
56	MG	BB	222	1/1	0.99	0.04	39,39,39,39	0
56	MG	BB	223	1/1	0.99	0.03	52,52,52,52	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BB	224	1/1	0.99	0.08	25,25,25,25	0
56	MG	DA	3044	1/1	0.99	0.02	5,5,5,5	0
56	MG	DA	3046	1/1	0.99	0.02	10,10,10,10	0
56	MG	DA	3048	1/1	0.99	0.04	20,20,20,20	0
56	MG	BA	3107	1/1	0.99	0.04	21,21,21,21	0
56	MG	DA	3050	1/1	0.99	0.05	11,11,11,11	0
56	MG	BA	3416	1/1	0.99	0.03	15,15,15,15	0
56	MG	BD	302	1/1	0.99	0.10	2,2,2,2	0
56	MG	DA	3053	1/1	0.99	0.05	46,46,46,46	0
56	MG	DA	3054	1/1	0.99	0.04	2,2,2,2	0
56	MG	BA	3108	1/1	0.99	0.03	24,24,24,24	0
56	MG	AA	1659	1/1	0.99	0.02	33,33,33,33	0
56	MG	AA	1893	1/1	0.99	0.04	40,40,40,40	0
56	MG	DA	3058	1/1	0.99	0.03	15,15,15,15	0
56	MG	BF	303	1/1	0.99	0.05	37,37,37,37	0
56	MG	DA	3060	1/1	0.99	0.03	19,19,19,19	0
56	MG	BA	3420	1/1	0.99	0.03	7,7,7,7	0
56	MG	DA	3063	1/1	0.99	0.04	0,0,0,0	0
56	MG	DA	3064	1/1	0.99	0.05	11,11,11,11	0
56	MG	DA	3065	1/1	0.99	0.04	0,0,0,0	0
56	MG	BA	3111	1/1	0.99	0.06	10,10,10,10	0
56	MG	BG	202	1/1	0.99	0.04	26,26,26,26	0
56	MG	DA	3069	1/1	0.99	0.02	15,15,15,15	0
56	MG	BA	3112	1/1	0.99	0.03	26,26,26,26	0
56	MG	DA	3071	1/1	0.99	0.03	31,31,31,31	0
56	MG	BA	3423	1/1	0.99	0.04	22,22,22,22	0
56	MG	DA	3073	1/1	0.99	0.03	34,34,34,34	0
56	MG	DA	3074	1/1	0.99	0.04	19,19,19,19	0
56	MG	DA	3076	1/1	0.99	0.06	51,51,51,51	0
56	MG	DA	3077	1/1	0.99	0.03	7,7,7,7	0
56	MG	DA	3078	1/1	0.99	0.02	15,15,15,15	0
56	MG	DA	3079	1/1	0.99	0.03	12,12,12,12	0
56	MG	BA	3113	1/1	0.99	0.03	10,10,10,10	0
56	MG	BI	202	1/1	0.99	0.03	29,29,29,29	0
56	MG	AA	1782	1/1	0.99	0.03	21,21,21,21	0
56	MG	DA	3083	1/1	0.99	0.03	24,24,24,24	0
56	MG	AA	1660	1/1	0.99	0.04	19,19,19,19	0
56	MG	BN	201	1/1	0.99	0.02	20,20,20,20	0
56	MG	BA	3427	1/1	0.99	0.10	10,10,10,10	0
56	MG	BO	201	1/1	0.99	0.02	17,17,17,17	0
56	MG	BA	3428	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3089	1/1	0.99	0.04	30,30,30,30	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1784	1/1	0.99	0.03	22,22,22,22	0
56	MG	DA	3091	1/1	0.99	0.03	8,8,8,8	0
56	MG	BA	3431	1/1	0.99	0.04	11,11,11,11	0
56	MG	AA	1897	1/1	0.99	0.04	13,13,13,13	0
56	MG	DA	3094	1/1	0.99	0.06	13,13,13,13	0
56	MG	DA	3095	1/1	0.99	0.04	24,24,24,24	0
56	MG	DA	3096	1/1	0.99	0.03	22,22,22,22	0
56	MG	DA	3097	1/1	0.99	0.03	5,5,5,5	0
56	MG	DA	3099	1/1	0.99	0.04	23,23,23,23	0
56	MG	DA	3100	1/1	0.99	0.08	3,3,3,3	0
56	MG	AA	1785	1/1	0.99	0.02	27,27,27,27	0
56	MG	DA	3102	1/1	0.99	0.03	5,5,5,5	0
56	MG	DA	3103	1/1	0.99	0.03	16,16,16,16	0
56	MG	BR	201	1/1	0.99	0.04	24,24,24,24	0
56	MG	DA	3105	1/1	0.99	0.03	12,12,12,12	0
56	MG	AA	1605	1/1	0.99	0.03	15,15,15,15	0
56	MG	DA	3107	1/1	0.99	0.03	16,16,16,16	0
56	MG	BA	3435	1/1	0.99	0.03	43,43,43,43	0
56	MG	DA	3109	1/1	0.99	0.03	19,19,19,19	0
56	MG	BT	201	1/1	0.99	0.03	23,23,23,23	0
56	MG	BT	202	1/1	0.99	0.04	42,42,42,42	0
56	MG	DA	3113	1/1	0.99	0.03	13,13,13,13	0
56	MG	BA	3436	1/1	0.99	0.03	1,1,1,1	0
56	MG	BW	201	1/1	0.99	0.06	23,23,23,23	0
56	MG	AA	1610	1/1	0.99	0.04	23,23,23,23	0
56	MG	DA	3117	1/1	0.99	0.06	24,24,24,24	0
56	MG	BZ	301	1/1	0.99	0.09	21,21,21,21	0
56	MG	DA	3119	1/1	0.99	0.02	10,10,10,10	0
56	MG	B1	101	1/1	0.99	0.03	28,28,28,28	0
56	MG	DA	3121	1/1	0.99	0.04	24,24,24,24	0
56	MG	AA	1788	1/1	0.99	0.10	12,12,12,12	0
56	MG	DA	3123	1/1	0.99	0.05	1,1,1,1	0
56	MG	DA	3124	1/1	0.99	0.05	27,27,27,27	0
56	MG	DA	3125	1/1	0.99	0.03	15,15,15,15	0
56	MG	B2	101	1/1	0.99	0.10	32,32,32,32	0
56	MG	B2	102	1/1	0.99	0.11	31,31,31,31	0
56	MG	BA	3439	1/1	0.99	0.03	7,7,7,7	0
56	MG	B7	101	1/1	0.99	0.05	24,24,24,24	0
56	MG	DA	3130	1/1	0.99	0.02	20,20,20,20	0
56	MG	DA	3131	1/1	0.99	0.06	16,16,16,16	0
56	MG	BA	3440	1/1	0.99	0.04	15,15,15,15	0
56	MG	AA	1704	1/1	0.99	0.02	18,18,18,18	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1602	1/1	0.99	0.04	15,15,15,15	0
56	MG	AA	1903	1/1	0.99	0.04	39,39,39,39	0
56	MG	DA	3137	1/1	0.99	0.05	20,20,20,20	0
56	MG	BA	3443	1/1	0.99	0.04	29,29,29,29	0
56	MG	BA	3444	1/1	0.99	0.03	33,33,33,33	0
56	MG	CA	1606	1/1	0.99	0.04	27,27,27,27	0
56	MG	DA	3141	1/1	0.99	0.03	9,9,9,9	0
56	MG	DA	3142	1/1	0.99	0.07	24,24,24,24	0
56	MG	CA	1607	1/1	0.99	0.05	38,38,38,38	0
56	MG	DA	3144	1/1	0.99	0.04	11,11,11,11	0
56	MG	DA	3145	1/1	0.99	0.03	30,30,30,30	0
56	MG	DA	3146	1/1	0.99	0.06	20,20,20,20	0
56	MG	DA	3147	1/1	0.99	0.03	18,18,18,18	0
56	MG	BA	3445	1/1	0.99	0.07	45,45,45,45	0
56	MG	AA	1611	1/1	0.99	0.03	6,6,6,6	0
56	MG	DA	3150	1/1	0.99	0.04	1,1,1,1	0
56	MG	BA	3447	1/1	0.99	0.04	16,16,16,16	0
56	MG	DA	3152	1/1	0.99	0.05	28,28,28,28	0
56	MG	DA	3153	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3154	1/1	0.99	0.13	38,38,38,38	0
56	MG	CA	1611	1/1	0.99	0.06	40,40,40,40	0
56	MG	DA	3156	1/1	0.99	0.07	14,14,14,14	0
56	MG	CA	1612	1/1	0.99	0.04	30,30,30,30	0
56	MG	DA	3158	1/1	0.99	0.03	15,15,15,15	0
56	MG	AA	1791	1/1	0.99	0.03	30,30,30,30	0
56	MG	AA	1906	1/1	0.99	0.04	26,26,26,26	0
56	MG	BA	3450	1/1	0.99	0.04	43,43,43,43	0
56	MG	AA	1706	1/1	0.99	0.03	26,26,26,26	0
56	MG	DA	3165	1/1	0.99	0.05	8,8,8,8	0
56	MG	CA	1617	1/1	0.99	0.04	11,11,11,11	0
56	MG	DA	3167	1/1	0.99	0.03	23,23,23,23	0
56	MG	BA	3131	1/1	0.99	0.03	30,30,30,30	0
56	MG	BA	3454	1/1	0.99	0.04	26,26,26,26	0
56	MG	BA	3132	1/1	0.99	0.05	21,21,21,21	0
56	MG	AA	1909	1/1	0.99	0.04	40,40,40,40	0
56	MG	AA	1707	1/1	0.99	0.03	26,26,26,26	0
56	MG	CA	1623	1/1	0.99	0.03	22,22,22,22	0
56	MG	BA	3458	1/1	0.99	0.03	6,6,6,6	0
56	MG	AA	1794	1/1	0.99	0.05	13,13,13,13	0
56	MG	BA	3460	1/1	0.99	0.08	10,10,10,10	0
56	MG	DA	3177	1/1	0.99	0.09	3,3,3,3	0
56	MG	CA	1627	1/1	0.99	0.04	29,29,29,29	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1665	1/1	0.99	0.02	6,6,6,6	0
56	MG	BA	3138	1/1	0.99	0.03	34,34,34,34	0
56	MG	DA	3181	1/1	0.99	0.05	26,26,26,26	0
56	MG	CA	1631	1/1	0.99	0.04	27,27,27,27	0
56	MG	CA	1632	1/1	0.99	0.05	24,24,24,24	0
56	MG	CA	1633	1/1	0.99	0.10	12,12,12,12	0
56	MG	CA	1634	1/1	0.99	0.04	41,41,41,41	0
56	MG	BA	3139	1/1	0.99	0.08	33,33,33,33	0
56	MG	DA	3187	1/1	0.99	0.02	14,14,14,14	0
56	MG	DA	3188	1/1	0.99	0.07	9,9,9,9	0
56	MG	AZ	104	1/1	0.99	0.05	45,45,45,45	0
56	MG	DA	3190	1/1	0.99	0.08	32,32,32,32	0
56	MG	DA	3191	1/1	0.99	0.10	48,48,48,48	0
56	MG	CA	1637	1/1	0.99	0.03	21,21,21,21	0
56	MG	CA	1638	1/1	0.99	0.06	26,26,26,26	0
56	MG	CA	1639	1/1	0.99	0.04	28,28,28,28	0
56	MG	AA	1796	1/1	0.99	0.10	15,15,15,15	0
56	MG	CA	1641	1/1	0.99	0.04	14,14,14,14	0
56	MG	CA	1642	1/1	0.99	0.03	29,29,29,29	0
56	MG	AA	1797	1/1	0.99	0.04	30,30,30,30	0
56	MG	DA	3199	1/1	0.99	0.02	12,12,12,12	0
56	MG	AA	1713	1/1	0.99	0.03	43,43,43,43	0
56	MG	DA	3201	1/1	0.99	0.03	45,45,45,45	0
56	MG	BA	3469	1/1	0.99	0.03	28,28,28,28	0
56	MG	CA	1647	1/1	0.99	0.05	25,25,25,25	0
56	MG	CA	1648	1/1	0.99	0.05	28,28,28,28	0
56	MG	CA	1649	1/1	0.99	0.06	16,16,16,16	0
56	MG	DA	3207	1/1	0.99	0.04	20,20,20,20	0
56	MG	BA	3144	1/1	0.99	0.03	34,34,34,34	0
56	MG	BA	3471	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3210	1/1	0.99	0.04	27,27,27,27	0
56	MG	DA	3211	1/1	0.99	0.03	23,23,23,23	0
56	MG	AA	1714	1/1	0.99	0.03	28,28,28,28	0
56	MG	DA	3213	1/1	0.99	0.04	18,18,18,18	0
56	MG	BA	3146	1/1	0.99	0.04	22,22,22,22	0
56	MG	CA	1655	1/1	0.99	0.03	24,24,24,24	0
56	MG	DA	3216	1/1	0.99	0.05	24,24,24,24	0
56	MG	AY	102	1/1	0.99	0.04	32,32,32,32	0
56	MG	CA	1657	1/1	0.99	0.06	42,42,42,42	0
56	MG	BA	3475	1/1	0.99	0.04	15,15,15,15	0
56	MG	DA	3220	1/1	0.99	0.08	22,22,22,22	0
56	MG	DA	3221	1/1	0.99	0.03	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3222	1/1	0.99	0.05	2,2,2,2	0
56	MG	BA	3476	1/1	0.99	0.04	39,39,39,39	0
56	MG	DA	3224	1/1	0.99	0.02	9,9,9,9	0
56	MG	DA	3225	1/1	0.99	0.03	27,27,27,27	0
56	MG	BA	3148	1/1	0.99	0.03	17,17,17,17	0
56	MG	BA	3478	1/1	0.99	0.02	10,10,10,10	0
56	MG	AA	1637	1/1	0.99	0.04	32,32,32,32	0
56	MG	DA	3229	1/1	0.99	0.04	1,1,1,1	0
56	MG	DA	3231	1/1	0.99	0.03	3,3,3,3	0
56	MG	DA	3232	1/1	0.99	0.07	6,6,6,6	0
56	MG	BA	3480	1/1	0.99	0.06	23,23,23,23	0
56	MG	DA	3234	1/1	0.99	0.06	8,8,8,8	0
56	MG	AA	1801	1/1	0.99	0.04	21,21,21,21	0
56	MG	DA	3237	1/1	0.99	0.04	31,31,31,31	0
56	MG	DA	3239	1/1	0.99	0.04	12,12,12,12	0
56	MG	BA	3482	1/1	0.99	0.03	11,11,11,11	0
56	MG	DA	3241	1/1	0.99	0.03	12,12,12,12	0
56	MG	AA	1622	1/1	0.99	0.05	24,24,24,24	0
56	MG	BA	3484	1/1	0.99	0.04	23,23,23,23	0
56	MG	BA	3485	1/1	0.99	0.04	12,12,12,12	0
56	MG	DA	3245	1/1	0.99	0.03	5,5,5,5	0
56	MG	CA	1670	1/1	0.99	0.05	31,31,31,31	0
56	MG	DA	3248	1/1	0.99	0.03	19,19,19,19	0
56	MG	DA	3249	1/1	0.99	0.05	32,32,32,32	0
56	MG	AY	106	1/1	0.99	0.06	32,32,32,32	0
56	MG	BA	3487	1/1	0.99	0.03	16,16,16,16	0
56	MG	AY	107	1/1	0.99	0.08	18,18,18,18	0
56	MG	BA	3489	1/1	0.99	0.04	46,46,46,46	0
56	MG	CA	1675	1/1	0.99	0.03	26,26,26,26	0
56	MG	DA	3255	1/1	0.99	0.03	19,19,19,19	0
56	MG	AA	1668	1/1	0.99	0.06	14,14,14,14	0
56	MG	BA	3155	1/1	0.99	0.03	15,15,15,15	0
56	MG	AA	1804	1/1	0.99	0.08	18,18,18,18	0
56	MG	DA	3259	1/1	0.99	0.07	24,24,24,24	0
56	MG	AA	1718	1/1	0.99	0.03	27,27,27,27	0
56	MG	BA	3495	1/1	0.99	0.04	10,10,10,10	0
56	MG	DA	3262	1/1	0.99	0.04	20,20,20,20	0
56	MG	BA	3159	1/1	0.99	0.06	18,18,18,18	0
56	MG	BA	3497	1/1	0.99	0.05	2,2,2,2	0
56	MG	CA	1683	1/1	0.99	0.08	16,16,16,16	0
56	MG	DA	3266	1/1	0.99	0.03	31,31,31,31	0
56	MG	CA	1684	1/1	0.99	0.03	44,44,44,44	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1719	1/1	0.99	0.02	28,28,28,28	0
56	MG	DA	3269	1/1	0.99	0.07	31,31,31,31	0
56	MG	BA	3499	1/1	0.99	0.04	18,18,18,18	0
56	MG	BA	3500	1/1	0.99	0.03	16,16,16,16	0
56	MG	DA	3272	1/1	0.99	0.03	0,0,0,0	0
56	MG	DA	3273	1/1	0.99	0.06	0,0,0,0	0
56	MG	CA	1688	1/1	0.99	0.03	26,26,26,26	0
56	MG	DA	3275	1/1	0.99	0.07	2,2,2,2	0
56	MG	DA	3276	1/1	0.99	0.07	29,29,29,29	0
56	MG	DA	3277	1/1	0.99	0.08	0,0,0,0	0
56	MG	BA	3161	1/1	0.99	0.05	25,25,25,25	0
56	MG	DA	3280	1/1	0.99	0.03	3,3,3,3	0
56	MG	DA	3281	1/1	0.99	0.04	4,4,4,4	0
56	MG	DA	3282	1/1	0.99	0.06	20,20,20,20	0
56	MG	AA	1807	1/1	0.99	0.06	22,22,22,22	0
56	MG	DA	3284	1/1	0.99	0.02	7,7,7,7	0
56	MG	DA	3285	1/1	0.99	0.02	15,15,15,15	0
56	MG	CA	1691	1/1	0.99	0.04	15,15,15,15	0
56	MG	CA	1692	1/1	0.99	0.05	6,6,6,6	0
56	MG	CA	1693	1/1	0.99	0.04	10,10,10,10	0
56	MG	BA	3163	1/1	0.99	0.04	25,25,25,25	0
56	MG	BA	3504	1/1	0.99	0.03	12,12,12,12	0
56	MG	DA	3291	1/1	0.99	0.06	6,6,6,6	0
56	MG	DA	3292	1/1	0.99	0.02	8,8,8,8	0
56	MG	BA	3506	1/1	0.99	0.09	10,10,10,10	0
56	MG	CA	1697	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3295	1/1	0.99	0.11	37,37,37,37	0
56	MG	DA	3296	1/1	0.99	0.03	4,4,4,4	0
56	MG	DA	3297	1/1	0.99	0.03	34,34,34,34	0
56	MG	DA	3300	1/1	0.99	0.04	16,16,16,16	0
56	MG	BA	3507	1/1	0.99	0.04	29,29,29,29	0
56	MG	BA	3508	1/1	0.99	0.03	5,5,5,5	0
56	MG	DA	3303	1/1	0.99	0.03	12,12,12,12	0
56	MG	DA	3305	1/1	0.99	0.05	29,29,29,29	0
56	MG	DA	3306	1/1	0.99	0.08	15,15,15,15	0
56	MG	AA	1639	1/1	0.99	0.04	25,25,25,25	0
56	MG	DA	3308	1/1	0.99	0.06	36,36,36,36	0
56	MG	BA	3165	1/1	0.99	0.02	8,8,8,8	0
56	MG	BA	3166	1/1	0.99	0.03	28,28,28,28	0
56	MG	DA	3311	1/1	0.99	0.04	15,15,15,15	0
56	MG	AA	1810	1/1	0.99	0.03	24,24,24,24	0
56	MG	DA	3313	1/1	0.99	0.08	42,42,42,42	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3314	1/1	0.99	0.04	25,25,25,25	0
56	MG	DA	3315	1/1	0.99	0.05	39,39,39,39	0
56	MG	DA	3316	1/1	0.99	0.08	31,31,31,31	0
56	MG	DA	3317	1/1	0.99	0.03	1,1,1,1	0
56	MG	AY	115	1/1	0.99	0.02	18,18,18,18	0
56	MG	DA	3319	1/1	0.99	0.05	18,18,18,18	0
56	MG	DA	3320	1/1	0.99	0.03	19,19,19,19	0
56	MG	DA	3321	1/1	0.99	0.03	28,28,28,28	0
56	MG	CA	1706	1/1	0.99	0.03	16,16,16,16	0
56	MG	BA	3514	1/1	0.99	0.05	29,29,29,29	0
56	MG	DA	3324	1/1	0.99	0.03	11,11,11,11	0
56	MG	CA	1708	1/1	0.99	0.03	17,17,17,17	0
56	MG	BA	3170	1/1	0.99	0.04	18,18,18,18	0
56	MG	DA	3327	1/1	0.99	0.04	13,13,13,13	0
56	MG	DA	3328	1/1	0.99	0.03	10,10,10,10	0
56	MG	CA	1710	1/1	0.99	0.03	29,29,29,29	0
56	MG	CA	1711	1/1	0.99	0.02	23,23,23,23	0
56	MG	BA	3516	1/1	0.99	0.03	25,25,25,25	0
56	MG	DA	3333	1/1	0.99	0.03	4,4,4,4	0
56	MG	DA	3334	1/1	0.99	0.02	8,8,8,8	0
56	MG	DA	3335	1/1	0.99	0.03	7,7,7,7	0
56	MG	CA	1713	1/1	0.99	0.05	21,21,21,21	0
56	MG	CA	1714	1/1	0.99	0.08	13,13,13,13	0
56	MG	BA	3171	1/1	0.99	0.07	30,30,30,30	0
56	MG	CA	1716	1/1	0.99	0.06	42,42,42,42	0
56	MG	CA	1717	1/1	0.99	0.02	32,32,32,32	0
56	MG	DA	3341	1/1	0.99	0.05	31,31,31,31	0
56	MG	DA	3342	1/1	0.99	0.05	12,12,12,12	0
56	MG	AA	1811	1/1	0.99	0.04	16,16,16,16	0
56	MG	DA	3344	1/1	0.99	0.05	32,32,32,32	0
56	MG	DA	3345	1/1	0.99	0.08	24,24,24,24	0
56	MG	DA	3346	1/1	0.99	0.04	3,3,3,3	0
56	MG	DA	3347	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3348	1/1	0.99	0.03	40,40,40,40	0
56	MG	BA	3520	1/1	0.99	0.05	7,7,7,7	0
56	MG	DA	3350	1/1	0.99	0.04	24,24,24,24	0
56	MG	BA	3521	1/1	0.99	0.03	21,21,21,21	0
56	MG	DA	3352	1/1	0.99	0.02	15,15,15,15	0
56	MG	BA	3173	1/1	0.99	0.03	12,12,12,12	0
56	MG	CA	1722	1/1	0.99	0.04	36,36,36,36	0
56	MG	BA	3525	1/1	0.99	0.02	8,8,8,8	0
56	MG	BA	3526	1/1	0.99	0.04	4,4,4,4	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3358	1/1	0.99	0.04	17,17,17,17	0
56	MG	BA	3174	1/1	0.99	0.06	28,28,28,28	0
56	MG	BA	3528	1/1	0.99	0.02	9,9,9,9	0
56	MG	BA	3175	1/1	0.99	0.03	12,12,12,12	0
56	MG	DA	3362	1/1	0.99	0.05	43,43,43,43	0
56	MG	CA	1728	1/1	0.99	0.04	28,28,28,28	0
56	MG	BA	3176	1/1	0.99	0.04	3,3,3,3	0
56	MG	CA	1730	1/1	0.99	0.05	45,45,45,45	0
56	MG	CA	1731	1/1	0.99	0.02	30,30,30,30	0
56	MG	BA	3531	1/1	0.99	0.02	16,16,16,16	0
56	MG	DA	3369	1/1	0.99	0.05	7,7,7,7	0
56	MG	BA	3177	1/1	0.99	0.05	0,0,0,0	0
56	MG	AA	1671	1/1	0.99	0.02	20,20,20,20	0
56	MG	DA	3372	1/1	0.99	0.05	30,30,30,30	0
56	MG	CA	1735	1/1	0.99	0.03	20,20,20,20	0
56	MG	DA	3374	1/1	0.99	0.02	24,24,24,24	0
56	MG	BA	3179	1/1	0.99	0.04	26,26,26,26	0
56	MG	AA	1813	1/1	0.99	0.03	23,23,23,23	0
56	MG	DA	3378	1/1	0.99	0.03	17,17,17,17	0
56	MG	AA	1723	1/1	0.99	0.02	29,29,29,29	0
56	MG	DA	3380	1/1	0.99	0.03	26,26,26,26	0
56	MG	BA	3183	1/1	0.99	0.04	15,15,15,15	0
56	MG	AA	1724	1/1	0.99	0.05	26,26,26,26	0
56	MG	DA	3383	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3384	1/1	0.99	0.03	20,20,20,20	0
56	MG	CA	1742	1/1	0.99	0.03	22,22,22,22	0
56	MG	CA	1743	1/1	0.99	0.05	30,30,30,30	0
56	MG	DA	3387	1/1	0.99	0.04	13,13,13,13	0
56	MG	AY	121	1/1	0.99	0.07	30,30,30,30	0
56	MG	BA	3545	1/1	0.99	0.04	25,25,25,25	0
56	MG	BA	3546	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3391	1/1	0.99	0.05	17,17,17,17	0
56	MG	AY	122	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3394	1/1	0.99	0.10	38,38,38,38	0
56	MG	BA	3189	1/1	0.99	0.05	48,48,48,48	0
56	MG	BA	3190	1/1	0.99	0.04	36,36,36,36	0
56	MG	DA	3397	1/1	0.99	0.02	19,19,19,19	0
56	MG	BA	3552	1/1	0.99	0.04	12,12,12,12	0
56	MG	CA	1751	1/1	0.99	0.09	19,19,19,19	0
56	MG	CA	1752	1/1	0.99	0.03	24,24,24,24	0
56	MG	CA	1753	1/1	0.99	0.02	23,23,23,23	0
56	MG	DA	3402	1/1	0.99	0.06	19,19,19,19	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3553	1/1	0.99	0.05	24,24,24,24	0
56	MG	AA	1623	1/1	0.99	0.02	7,7,7,7	0
56	MG	CA	1757	1/1	0.99	0.06	27,27,27,27	0
56	MG	CA	1758	1/1	0.99	0.03	37,37,37,37	0
56	MG	CA	1759	1/1	0.99	0.04	25,25,25,25	0
56	MG	BA	3192	1/1	0.99	0.03	20,20,20,20	0
56	MG	DA	3409	1/1	0.99	0.02	24,24,24,24	0
56	MG	DA	3410	1/1	0.99	0.07	17,17,17,17	0
56	MG	DA	3411	1/1	0.99	0.09	26,26,26,26	0
56	MG	BA	3194	1/1	0.99	0.05	21,21,21,21	0
56	MG	AA	1641	1/1	0.99	0.02	8,8,8,8	0
56	MG	BA	3559	1/1	0.99	0.02	15,15,15,15	0
56	MG	AA	1819	1/1	0.99	0.03	1,1,1,1	0
56	MG	CA	1765	1/1	0.99	0.03	38,38,38,38	0
56	MG	CA	1766	1/1	0.99	0.06	26,26,26,26	0
56	MG	AA	1820	1/1	0.99	0.05	23,23,23,23	0
56	MG	AA	1821	1/1	0.99	0.05	27,27,27,27	0
56	MG	BA	3199	1/1	0.99	0.03	31,31,31,31	0
56	MG	CA	1770	1/1	0.99	0.03	30,30,30,30	0
56	MG	CA	1771	1/1	0.99	0.02	47,47,47,47	0
56	MG	DA	3424	1/1	0.99	0.03	22,22,22,22	0
56	MG	CA	1772	1/1	0.99	0.09	40,40,40,40	0
56	MG	DA	3426	1/1	0.99	0.03	34,34,34,34	0
56	MG	DA	3427	1/1	0.99	0.05	7,7,7,7	0
56	MG	BA	3564	1/1	0.99	0.03	47,47,47,47	0
56	MG	BA	3565	1/1	0.99	0.02	24,24,24,24	0
56	MG	AC	301	1/1	0.99	0.08	41,41,41,41	0
56	MG	CA	1776	1/1	0.99	0.03	17,17,17,17	0
56	MG	BA	3568	1/1	0.99	0.02	13,13,13,13	0
56	MG	CA	1778	1/1	0.99	0.05	34,34,34,34	0
56	MG	CA	1779	1/1	0.99	0.05	14,14,14,14	0
56	MG	BA	3569	1/1	0.99	0.07	0,0,0,0	0
56	MG	DA	3436	1/1	0.99	0.07	7,7,7,7	0
56	MG	CA	1781	1/1	0.99	0.04	57,57,57,57	0
56	MG	CA	1782	1/1	0.99	0.06	19,19,19,19	0
56	MG	DA	3439	1/1	0.99	0.04	17,17,17,17	0
56	MG	CA	1783	1/1	0.99	0.02	32,32,32,32	0
56	MG	BA	3570	1/1	0.99	0.04	21,21,21,21	0
56	MG	CA	1785	1/1	0.99	0.04	9,9,9,9	0
56	MG	AA	1624	1/1	0.99	0.05	26,26,26,26	0
56	MG	CA	1787	1/1	0.99	0.07	19,19,19,19	0
56	MG	DA	3446	1/1	0.99	0.03	20,20,20,20	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1728	1/1	0.99	0.03	14,14,14,14	0
56	MG	BA	3573	1/1	0.99	0.09	30,30,30,30	0
56	MG	DA	3449	1/1	0.99	0.03	16,16,16,16	0
56	MG	AA	1729	1/1	0.99	0.04	12,12,12,12	0
56	MG	DA	3451	1/1	0.99	0.04	5,5,5,5	0
56	MG	DA	3452	1/1	0.99	0.03	25,25,25,25	0
56	MG	AA	1825	1/1	0.99	0.05	28,28,28,28	0
56	MG	DA	3454	1/1	0.99	0.03	12,12,12,12	0
56	MG	CA	1792	1/1	0.99	0.07	16,16,16,16	0
56	MG	CA	1793	1/1	0.99	0.03	9,9,9,9	0
56	MG	DA	3457	1/1	0.99	0.07	23,23,23,23	0
56	MG	AD	302	1/1	0.99	0.03	13,13,13,13	0
56	MG	AD	303	1/1	0.99	0.03	17,17,17,17	0
56	MG	CA	1796	1/1	0.99	0.03	27,27,27,27	0
56	MG	DA	3461	1/1	0.99	0.04	8,8,8,8	0
56	MG	BA	3578	1/1	0.99	0.04	19,19,19,19	0
56	MG	CA	1798	1/1	0.99	0.04	51,51,51,51	0
56	MG	CA	1799	1/1	0.99	0.03	14,14,14,14	0
56	MG	AA	1826	1/1	0.99	0.03	35,35,35,35	0
56	MG	CA	1802	1/1	0.99	0.03	31,31,31,31	0
56	MG	AA	1827	1/1	0.99	0.03	38,38,38,38	0
56	MG	CA	1805	1/1	0.99	0.02	9,9,9,9	0
56	MG	BA	3210	1/1	0.99	0.08	31,31,31,31	0
56	MG	CA	1807	1/1	0.99	0.07	14,14,14,14	0
56	MG	CA	1808	1/1	0.99	0.02	13,13,13,13	0
56	MG	BA	3583	1/1	0.99	0.03	24,24,24,24	0
56	MG	BA	3211	1/1	0.99	0.03	27,27,27,27	0
56	MG	AD	306	1/1	0.99	0.03	38,38,38,38	0
56	MG	BA	3586	1/1	0.99	0.04	34,34,34,34	0
56	MG	AA	1643	1/1	0.99	0.03	24,24,24,24	0
56	MG	DA	3477	1/1	0.99	0.08	32,32,32,32	0
56	MG	BA	3588	1/1	0.99	0.03	22,22,22,22	0
56	MG	AD	308	1/1	0.99	0.03	42,42,42,42	0
56	MG	AA	1732	1/1	0.99	0.03	35,35,35,35	0
56	MG	DA	3481	1/1	0.99	0.03	31,31,31,31	0
56	MG	BA	3217	1/1	0.99	0.02	0,0,0,0	0
56	MG	DA	3483	1/1	0.99	0.09	19,19,19,19	0
56	MG	AA	1830	1/1	0.99	0.04	35,35,35,35	0
56	MG	AF	201	1/1	0.99	0.05	30,30,30,30	0
56	MG	BA	3221	1/1	0.99	0.02	21,21,21,21	0
56	MG	AA	1733	1/1	0.99	0.04	24,24,24,24	0
56	MG	DA	3489	1/1	0.99	0.03	24,24,24,24	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3490	1/1	0.99	0.03	5,5,5,5	0
56	MG	DA	3491	1/1	0.99	0.05	44,44,44,44	0
56	MG	BA	3225	1/1	0.99	0.03	21,21,21,21	0
56	MG	DA	3493	1/1	0.99	0.04	30,30,30,30	0
56	MG	BA	3226	1/1	0.99	0.08	24,24,24,24	0
56	MG	AG	201	1/1	0.99	0.04	23,23,23,23	0
56	MG	DA	3496	1/1	0.99	0.03	18,18,18,18	0
56	MG	BA	3601	1/1	0.99	0.04	33,33,33,33	0
56	MG	CA	1829	1/1	0.99	0.04	35,35,35,35	0
56	MG	CA	1830	1/1	0.99	0.03	36,36,36,36	0
56	MG	DA	3500	1/1	0.99	0.03	13,13,13,13	0
56	MG	BA	3228	1/1	0.99	0.03	0,0,0,0	0
56	MG	AH	201	1/1	0.99	0.03	24,24,24,24	0
56	MG	AH	202	1/1	0.99	0.02	41,41,41,41	0
56	MG	BA	3605	1/1	0.99	0.11	41,41,41,41	0
56	MG	DA	3506	1/1	0.99	0.02	6,6,6,6	0
56	MG	AA	1734	1/1	0.99	0.02	21,21,21,21	0
56	MG	CA	1837	1/1	0.99	0.05	45,45,45,45	0
56	MG	BA	3232	1/1	0.99	0.04	25,25,25,25	0
56	MG	CA	1839	1/1	0.99	0.06	31,31,31,31	0
56	MG	DA	3513	1/1	0.99	0.03	41,41,41,41	0
56	MG	AI	202	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3515	1/1	0.99	0.03	5,5,5,5	0
56	MG	CA	1841	1/1	0.99	0.04	63,63,63,63	0
56	MG	CA	1842	1/1	0.99	0.07	36,36,36,36	0
56	MG	BA	3609	1/1	0.99	0.02	10,10,10,10	0
56	MG	DA	3519	1/1	0.99	0.02	6,6,6,6	0
56	MG	BA	3234	1/1	0.99	0.03	25,25,25,25	0
56	MG	DA	3521	1/1	0.99	0.03	7,7,7,7	0
56	MG	DA	3522	1/1	0.99	0.02	33,33,33,33	0
56	MG	AA	1644	1/1	0.99	0.03	31,31,31,31	0
56	MG	DA	3524	1/1	0.99	0.03	27,27,27,27	0
56	MG	DA	3525	1/1	0.99	0.03	31,31,31,31	0
56	MG	DA	3526	1/1	0.99	0.04	12,12,12,12	0
56	MG	CA	1847	1/1	0.99	0.03	22,22,22,22	0
56	MG	DA	3528	1/1	0.99	0.08	14,14,14,14	0
56	MG	DA	3530	1/1	0.99	0.12	51,51,51,51	0
56	MG	BA	3236	1/1	0.99	0.05	6,6,6,6	0
56	MG	DA	3533	1/1	0.99	0.03	12,12,12,12	0
56	MG	DA	3534	1/1	0.99	0.03	26,26,26,26	0
56	MG	CA	1849	1/1	0.99	0.03	32,32,32,32	0
56	MG	DA	3536	1/1	0.99	0.03	35,35,35,35	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3537	1/1	0.99	0.10	19,19,19,19	0
56	MG	CA	1850	1/1	0.99	0.07	20,20,20,20	0
56	MG	DA	3539	1/1	0.99	0.06	3,3,3,3	0
56	MG	DA	3540	1/1	0.99	0.04	0,0,0,0	0
56	MG	CA	1851	1/1	0.99	0.07	34,34,34,34	0
56	MG	BA	3237	1/1	0.99	0.04	28,28,28,28	0
56	MG	DA	3543	1/1	0.99	0.03	20,20,20,20	0
56	MG	DA	3544	1/1	0.99	0.03	31,31,31,31	0
56	MG	BA	3615	1/1	0.99	0.05	3,3,3,3	0
56	MG	BA	3616	1/1	0.99	0.08	2,2,2,2	0
56	MG	CA	1855	1/1	0.99	0.03	37,37,37,37	0
56	MG	DA	3548	1/1	0.99	0.07	26,26,26,26	0
56	MG	BA	3238	1/1	0.99	0.03	14,14,14,14	0
56	MG	DA	3551	1/1	0.99	0.03	17,17,17,17	0
56	MG	CA	1857	1/1	0.99	0.06	33,33,33,33	0
56	MG	DA	3553	1/1	0.99	0.05	6,6,6,6	0
56	MG	BA	3618	1/1	0.99	0.03	10,10,10,10	0
56	MG	DA	3555	1/1	0.99	0.04	24,24,24,24	0
56	MG	AA	1645	1/1	0.99	0.03	31,31,31,31	0
56	MG	DA	3557	1/1	0.99	0.06	13,13,13,13	0
56	MG	BA	3620	1/1	0.99	0.07	49,49,49,49	0
56	MG	AA	1835	1/1	0.99	0.04	17,17,17,17	0
56	MG	CA	1863	1/1	0.99	0.04	33,33,33,33	0
56	MG	CA	1864	1/1	0.99	0.02	40,40,40,40	0
56	MG	BA	3622	1/1	0.99	0.03	32,32,32,32	0
56	MG	DA	3566	1/1	0.99	0.02	15,15,15,15	0
56	MG	BA	3242	1/1	0.99	0.03	22,22,22,22	0
56	MG	BA	3243	1/1	0.99	0.04	14,14,14,14	0
56	MG	DA	3569	1/1	0.99	0.06	39,39,39,39	0
56	MG	DA	3570	1/1	0.99	0.03	36,36,36,36	0
56	MG	DA	3571	1/1	0.99	0.07	26,26,26,26	0
56	MG	CA	1871	1/1	0.99	0.03	34,34,34,34	0
56	MG	DA	3573	1/1	0.99	0.02	25,25,25,25	0
56	MG	BA	3625	1/1	0.99	0.04	25,25,25,25	0
56	MG	AA	1646	1/1	0.99	0.07	21,21,21,21	0
56	MG	DA	3576	1/1	0.99	0.08	18,18,18,18	0
56	MG	AM	201	1/1	0.99	0.08	54,54,54,54	0
56	MG	CA	1875	1/1	0.99	0.08	19,19,19,19	0
56	MG	CA	1876	1/1	0.99	0.08	22,22,22,22	0
56	MG	DA	3580	1/1	0.99	0.07	21,21,21,21	0
56	MG	DA	3581	1/1	0.99	0.03	16,16,16,16	0
56	MG	DA	3582	1/1	0.99	0.03	27,27,27,27	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3246	1/1	0.99	0.05	41,41,41,41	0
56	MG	CA	1878	1/1	0.99	0.06	31,31,31,31	0
56	MG	DA	3585	1/1	0.99	0.03	31,31,31,31	0
56	MG	AO	101	1/1	0.99	0.04	30,30,30,30	0
56	MG	DA	3587	1/1	0.99	0.14	42,42,42,42	0
56	MG	DA	3588	1/1	0.99	0.03	14,14,14,14	0
56	MG	DA	3589	1/1	0.99	0.04	19,19,19,19	0
56	MG	AA	1738	1/1	0.99	0.03	6,6,6,6	0
56	MG	AA	1679	1/1	0.99	0.03	32,32,32,32	0
56	MG	AA	1839	1/1	0.99	0.03	39,39,39,39	0
56	MG	AA	1607	1/1	0.99	0.03	8,8,8,8	0
56	MG	AA	1841	1/1	0.99	0.03	24,24,24,24	0
56	MG	DA	3595	1/1	0.99	0.03	17,17,17,17	0
56	MG	DA	3596	1/1	0.99	0.04	41,41,41,41	0
56	MG	BA	3254	1/1	0.99	0.04	31,31,31,31	0
56	MG	DA	3598	1/1	0.99	0.03	9,9,9,9	0
56	MG	BA	3255	1/1	0.99	0.04	43,43,43,43	0
56	MG	CA	1887	1/1	0.99	0.05	40,40,40,40	0
56	MG	AA	1742	1/1	0.99	0.04	17,17,17,17	0
56	MG	CA	1889	1/1	0.99	0.13	31,31,31,31	0
56	MG	BA	3257	1/1	0.99	0.04	18,18,18,18	0
56	MG	AA	1843	1/1	0.99	0.06	28,28,28,28	0
56	MG	AA	1681	1/1	0.99	0.04	49,49,49,49	0
56	MG	CA	1894	1/1	0.99	0.04	19,19,19,19	0
56	MG	BA	3260	1/1	0.99	0.03	35,35,35,35	0
56	MG	DA	3608	1/1	0.99	0.04	36,36,36,36	0
56	MG	CA	1896	1/1	0.99	0.06	31,31,31,31	0
56	MG	CA	1897	1/1	0.99	0.10	23,23,23,23	0
56	MG	DA	3611	1/1	0.99	0.05	21,21,21,21	0
56	MG	CA	1898	1/1	0.99	0.04	14,14,14,14	0
56	MG	BA	3261	1/1	0.99	0.03	36,36,36,36	0
56	MG	AA	1744	1/1	0.99	0.03	30,30,30,30	0
56	MG	BA	3645	1/1	0.99	0.03	25,25,25,25	0
56	MG	DA	3616	1/1	0.99	0.05	10,10,10,10	0
56	MG	DA	3617	1/1	0.99	0.05	47,47,47,47	0
56	MG	BA	3646	1/1	0.99	0.08	12,12,12,12	0
56	MG	BA	3263	1/1	0.99	0.09	0,0,0,0	0
56	MG	BA	3265	1/1	0.99	0.06	0,0,0,0	0
56	MG	BA	3266	1/1	0.99	0.06	10,10,10,10	0
56	MG	CA	1906	1/1	0.99	0.08	24,24,24,24	0
56	MG	AA	1626	1/1	0.99	0.03	47,47,47,47	0
56	MG	CA	1908	1/1	0.99	0.02	5,5,5,5	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1627	1/1	0.99	0.04	29,29,29,29	0
56	MG	DA	3626	1/1	0.99	0.03	46,46,46,46	0
56	MG	DA	3627	1/1	0.99	0.07	24,24,24,24	0
56	MG	CA	1910	1/1	0.99	0.08	15,15,15,15	0
56	MG	DA	3629	1/1	0.99	0.08	22,22,22,22	0
56	MG	BA	3653	1/1	0.99	0.06	38,38,38,38	0
56	MG	AA	1848	1/1	0.99	0.07	45,45,45,45	0
56	MG	AA	1849	1/1	0.99	0.03	40,40,40,40	0
56	MG	DA	3633	1/1	0.99	0.07	19,19,19,19	0
56	MG	DA	3634	1/1	0.99	0.07	58,58,58,58	0
56	MG	CA	1914	1/1	0.99	0.03	29,29,29,29	0
56	MG	BA	3271	1/1	0.99	0.08	0,0,0,0	0
56	MG	BA	3272	1/1	0.99	0.03	15,15,15,15	0
56	MG	DA	3638	1/1	0.99	0.05	37,37,37,37	0
56	MG	AA	1850	1/1	0.99	0.05	23,23,23,23	0
56	MG	BA	3274	1/1	0.99	0.02	6,6,6,6	0
56	MG	BA	3660	1/1	0.99	0.07	38,38,38,38	0
56	MG	DA	3643	1/1	0.99	0.03	28,28,28,28	0
56	MG	DA	3645	1/1	0.99	0.06	20,20,20,20	0
56	MG	BA	3275	1/1	0.99	0.04	12,12,12,12	0
56	MG	BA	3276	1/1	0.99	0.04	0,0,0,0	0
56	MG	BA	3663	1/1	0.99	0.10	32,32,32,32	0
56	MG	DA	3649	1/1	0.99	0.03	19,19,19,19	0
56	MG	CA	1923	1/1	0.99	0.04	28,28,28,28	0
56	MG	BA	3005	1/1	0.99	0.04	2,2,2,2	0
56	MG	BA	3006	1/1	0.99	0.03	9,9,9,9	0
56	MG	CA	1926	1/1	0.99	0.05	61,61,61,61	0
56	MG	AA	1684	1/1	0.99	0.06	27,27,27,27	0
56	MG	BA	3008	1/1	0.99	0.04	5,5,5,5	0
56	MG	BA	3281	1/1	0.99	0.03	7,7,7,7	0
56	MG	DA	3657	1/1	0.99	0.06	38,38,38,38	0
56	MG	BA	3669	1/1	0.99	0.10	33,33,33,33	0
56	MG	BA	3282	1/1	0.99	0.03	6,6,6,6	0
56	MG	BA	3010	1/1	0.99	0.05	2,2,2,2	0
56	MG	BA	3284	1/1	0.99	0.04	12,12,12,12	0
56	MG	BA	3011	1/1	0.99	0.07	33,33,33,33	0
56	MG	BA	3286	1/1	0.99	0.03	1,1,1,1	0
56	MG	AA	1685	1/1	0.99	0.06	30,30,30,30	0
56	MG	BA	3014	1/1	0.99	0.03	11,11,11,11	0
56	MG	DA	3667	1/1	0.99	0.04	38,38,38,38	0
56	MG	BA	3016	1/1	0.99	0.04	0,0,0,0	0
56	MG	DA	3669	1/1	0.99	0.04	7,7,7,7	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1940	1/1	0.99	0.03	35,35,35,35	0
56	MG	DA	3672	1/1	0.99	0.06	29,29,29,29	0
56	MG	BA	3021	1/1	0.99	0.02	11,11,11,11	0
56	MG	BA	3022	1/1	0.99	0.02	2,2,2,2	0
56	MG	DA	3676	1/1	0.99	0.07	25,25,25,25	0
56	MG	DA	3677	1/1	0.99	0.09	27,27,27,27	0
56	MG	DA	3678	1/1	0.99	0.04	20,20,20,20	0
56	MG	BA	3680	1/1	0.99	0.03	44,44,44,44	0
56	MG	CA	1944	1/1	0.99	0.05	42,42,42,42	0
56	MG	DA	3682	1/1	0.99	0.08	10,10,10,10	0
56	MG	CA	1945	1/1	0.99	0.07	18,18,18,18	0
56	MG	BA	3023	1/1	0.99	0.05	2,2,2,2	0
56	MG	BA	3682	1/1	0.99	0.07	25,25,25,25	0
56	MG	DA	3686	1/1	0.99	0.03	30,30,30,30	0
56	MG	DA	3687	1/1	0.99	0.06	21,21,21,21	0
56	MG	BA	3683	1/1	0.99	0.06	18,18,18,18	0
56	MG	BA	3024	1/1	0.99	0.05	37,37,37,37	0
56	MG	AA	1853	1/1	0.99	0.03	12,12,12,12	0
56	MG	CA	1951	1/1	0.99	0.05	42,42,42,42	0
56	MG	BA	3027	1/1	0.99	0.05	20,20,20,20	0
56	MG	DA	3693	1/1	0.99	0.07	30,30,30,30	0
56	MG	CA	1953	1/1	0.99	0.04	18,18,18,18	0
56	MG	CA	1954	1/1	0.99	0.02	22,22,22,22	0
56	MG	CA	1955	1/1	0.99	0.04	29,29,29,29	0
56	MG	DA	3697	1/1	0.99	0.03	36,36,36,36	0
56	MG	CA	1956	1/1	0.99	0.03	57,57,57,57	0
56	MG	BA	3028	1/1	0.99	0.05	10,10,10,10	0
56	MG	BA	3300	1/1	0.99	0.02	20,20,20,20	0
56	MG	CA	1959	1/1	0.99	0.07	3,3,3,3	0
56	MG	AA	1749	1/1	0.99	0.04	32,32,32,32	0
56	MG	CA	1961	1/1	0.99	0.06	27,27,27,27	0
56	MG	BA	3690	1/1	0.99	0.07	38,38,38,38	0
56	MG	BA	3691	1/1	0.99	0.04	44,44,44,44	0
56	MG	BA	3302	1/1	0.99	0.04	21,21,21,21	0
56	MG	CA	1965	1/1	0.99	0.03	54,54,54,54	0
56	MG	CA	1966	1/1	0.99	0.05	41,41,41,41	0
56	MG	DA	3710	1/1	0.99	0.02	21,21,21,21	0
56	MG	BA	3303	1/1	0.99	0.03	22,22,22,22	0
56	MG	BA	3031	1/1	0.99	0.02	11,11,11,11	0
56	MG	BA	3305	1/1	0.99	0.02	5,5,5,5	0
56	MG	DA	3714	1/1	0.99	0.03	28,28,28,28	0
56	MG	BA	3032	1/1	0.99	0.03	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3307	1/1	0.99	0.06	26,26,26,26	0
56	MG	BA	3698	1/1	0.99	0.04	57,57,57,57	0
56	MG	CA	1973	1/1	0.99	0.04	37,37,37,37	0
56	MG	BA	3033	1/1	0.99	0.03	24,24,24,24	0
56	MG	CA	1975	1/1	0.99	0.06	32,32,32,32	0
56	MG	DA	3721	1/1	0.99	0.08	11,11,11,11	0
56	MG	BA	3309	1/1	0.99	0.02	25,25,25,25	0
56	MG	BA	3035	1/1	0.99	0.04	38,38,38,38	0
56	MG	AA	1855	1/1	0.99	0.07	23,23,23,23	0
56	MG	AA	1686	1/1	0.99	0.03	37,37,37,37	0
56	MG	DA	3726	1/1	0.99	0.04	34,34,34,34	0
56	MG	BA	3313	1/1	0.99	0.04	25,25,25,25	0
56	MG	BA	3314	1/1	0.99	0.04	10,10,10,10	0
56	MG	AA	1687	1/1	0.99	0.04	11,11,11,11	0
56	MG	BA	3316	1/1	0.99	0.04	12,12,12,12	0
56	MG	CA	1984	1/1	0.99	0.05	54,54,54,54	0
56	MG	AA	1628	1/1	0.99	0.05	34,34,34,34	0
56	MG	BA	3318	1/1	0.99	0.04	39,39,39,39	0
56	MG	DA	3734	1/1	0.99	0.04	60,60,60,60	0
56	MG	DA	3735	1/1	0.99	0.11	51,51,51,51	0
56	MG	AA	1756	1/1	0.99	0.08	38,38,38,38	0
56	MG	BA	3320	1/1	0.99	0.03	2,2,2,2	0
56	MG	AA	1862	1/1	0.99	0.05	44,44,44,44	0
56	MG	BA	3713	1/1	0.99	0.06	28,28,28,28	0
56	MG	AA	1757	1/1	0.99	0.02	26,26,26,26	0
56	MG	BA	3715	1/1	0.99	0.06	42,42,42,42	0
56	MG	DA	3742	1/1	0.99	0.13	2,2,2,2	0
56	MG	BA	3716	1/1	0.99	0.04	28,28,28,28	0
56	MG	AA	1613	1/1	0.99	0.03	20,20,20,20	0
56	MG	BA	3044	1/1	0.99	0.04	18,18,18,18	0
56	MG	BA	3325	1/1	0.99	0.03	5,5,5,5	0
56	MG	AA	1759	1/1	0.99	0.03	6,6,6,6	0
56	MG	BA	3721	1/1	0.99	0.07	34,34,34,34	0
56	MG	BA	3722	1/1	0.99	0.06	16,16,16,16	0
56	MG	BA	3046	1/1	0.99	0.03	20,20,20,20	0
56	MG	CA	2001	1/1	0.99	0.06	36,36,36,36	0
56	MG	DA	3752	1/1	0.99	0.09	55,55,55,55	0
56	MG	DA	3753	1/1	0.99	0.07	32,32,32,32	0
56	MG	CA	2003	1/1	0.99	0.08	18,18,18,18	0
56	MG	DA	3755	1/1	0.99	0.14	39,39,39,39	0
56	MG	CA	2004	1/1	0.99	0.04	45,45,45,45	0
56	MG	BA	3047	1/1	0.99	0.03	17,17,17,17	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1866	1/1	0.99	0.03	13,13,13,13	0
56	MG	DB	201	1/1	0.99	0.07	14,14,14,14	0
56	MG	DB	202	1/1	0.99	0.03	59,59,59,59	0
56	MG	BA	3331	1/1	0.99	0.03	10,10,10,10	0
56	MG	BA	3729	1/1	0.99	0.02	43,43,43,43	0
56	MG	BA	3332	1/1	0.99	0.10	9,9,9,9	0
56	MG	BA	3731	1/1	0.99	0.04	45,45,45,45	0
56	MG	DB	207	1/1	0.99	0.04	37,37,37,37	0
56	MG	CA	2011	1/1	0.99	0.07	28,28,28,28	0
56	MG	BA	3333	1/1	0.99	0.06	19,19,19,19	0
56	MG	BA	3049	1/1	0.99	0.05	17,17,17,17	0
56	MG	BA	3734	1/1	0.99	0.03	32,32,32,32	0
56	MG	CZ	102	1/1	0.99	0.05	67,67,67,67	0
56	MG	CZ	103	1/1	0.99	0.03	51,51,51,51	0
56	MG	CZ	104	1/1	0.99	0.10	42,42,42,42	0
56	MG	CZ	106	1/1	0.99	0.07	19,19,19,19	0
56	MG	DB	217	1/1	0.99	0.07	24,24,24,24	0
56	MG	CZ	107	1/1	0.99	0.02	36,36,36,36	0
56	MG	BA	3050	1/1	0.99	0.04	4,4,4,4	0
56	MG	AA	1760	1/1	0.99	0.09	24,24,24,24	0
56	MG	CZ	110	1/1	0.99	0.02	33,33,33,33	0
56	MG	CZ	111	1/1	0.99	0.03	49,49,49,49	0
56	MG	BA	3737	1/1	0.99	0.10	22,22,22,22	0
56	MG	BA	3338	1/1	0.99	0.04	27,27,27,27	0
56	MG	CZ	114	1/1	0.99	0.03	46,46,46,46	0
56	MG	BA	3339	1/1	0.99	0.03	34,34,34,34	0
56	MG	BA	3741	1/1	0.99	0.04	28,28,28,28	0
56	MG	BA	3054	1/1	0.99	0.03	6,6,6,6	0
57	ZN	AN	101	1/1	0.99	0.02	68,68,68,68	0
57	ZN	CD	301	1/1	0.99	0.14	70,70,70,70	0
56	MG	AA	1875	1/1	1.00	0.04	16,16,16,16	0
56	MG	DA	3230	1/1	1.00	0.03	19,19,19,19	0
56	MG	BA	3017	1/1	1.00	0.06	18,18,18,18	0
56	MG	DA	3068	1/1	1.00	0.01	0,0,0,0	0
56	MG	BA	3547	1/1	1.00	0.04	26,26,26,26	0
56	MG	BA	3018	1/1	1.00	0.03	2,2,2,2	0
56	MG	DA	3235	1/1	1.00	0.02	0,0,0,0	0
56	MG	BA	3019	1/1	1.00	0.04	5,5,5,5	0
56	MG	CY	110	1/1	1.00	0.02	17,17,17,17	0
56	MG	DA	3238	1/1	1.00	0.04	2,2,2,2	0
56	MG	BF	305	1/1	1.00	0.02	27,27,27,27	0
56	MG	BA	3550	1/1	1.00	0.07	13,13,13,13	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3075	1/1	1.00	0.08	8,8,8,8	0
56	MG	BA	3740	1/1	1.00	0.03	22,22,22,22	0
56	MG	BA	3392	1/1	1.00	0.06	27,27,27,27	0
56	MG	BH	201	1/1	1.00	0.07	15,15,15,15	0
56	MG	DA	3421	1/1	1.00	0.08	26,26,26,26	0
56	MG	BA	3057	1/1	1.00	0.01	3,3,3,3	0
56	MG	DA	3246	1/1	1.00	0.03	15,15,15,15	0
56	MG	BA	3099	1/1	1.00	0.02	1,1,1,1	0
56	MG	BA	3468	1/1	1.00	0.01	1,1,1,1	0
56	MG	CY	119	1/1	1.00	0.10	35,35,35,35	0
56	MG	BA	3648	1/1	1.00	0.05	4,4,4,4	0
56	MG	CY	121	1/1	1.00	0.05	0,0,0,0	0
56	MG	CB	301	1/1	1.00	0.08	11,11,11,11	0
56	MG	BA	3020	1/1	1.00	0.03	2,2,2,2	0
56	MG	BA	3556	1/1	1.00	0.06	7,7,7,7	0
56	MG	BA	3101	1/1	1.00	0.02	0,0,0,0	0
56	MG	CA	1928	1/1	1.00	0.04	17,17,17,17	0
56	MG	CA	1801	1/1	1.00	0.02	30,30,30,30	0
56	MG	AA	1816	1/1	1.00	0.06	23,23,23,23	0
56	MG	CA	1803	1/1	1.00	0.04	6,6,6,6	0
56	MG	AA	1606	1/1	1.00	0.05	0,0,0,0	0
56	MG	BO	203	1/1	1.00	0.03	19,19,19,19	0
56	MG	BA	3328	1/1	1.00	0.03	2,2,2,2	0
56	MG	BA	3264	1/1	1.00	0.05	11,11,11,11	0
56	MG	AA	1615	1/1	1.00	0.03	8,8,8,8	0
56	MG	DA	3098	1/1	1.00	0.02	1,1,1,1	0
56	MG	AA	1664	1/1	1.00	0.06	6,6,6,6	0
56	MG	DA	3444	1/1	1.00	0.06	11,11,11,11	0
56	MG	BA	3063	1/1	1.00	0.02	0,0,0,0	0
56	MG	AC	306	1/1	1.00	0.04	21,21,21,21	0
56	MG	BA	3208	1/1	1.00	0.03	27,27,27,27	0
56	MG	BA	3567	1/1	1.00	0.02	11,11,11,11	0
56	MG	BA	3335	1/1	1.00	0.03	4,4,4,4	0
56	MG	CA	1815	1/1	1.00	0.02	12,12,12,12	0
56	MG	BA	3026	1/1	1.00	0.01	0,0,0,0	0
56	MG	CA	1817	1/1	1.00	0.02	19,19,19,19	0
56	MG	DA	3641	1/1	1.00	0.04	13,13,13,13	0
56	MG	BV	201	1/1	1.00	0.10	21,21,21,21	0
56	MG	CA	1700	1/1	1.00	0.05	14,14,14,14	0
56	MG	DA	3644	1/1	1.00	0.04	5,5,5,5	0
56	MG	CX	401	1/1	1.00	0.02	13,13,13,13	0
56	MG	DA	3278	1/1	1.00	0.03	11,11,11,11	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3111	1/1	1.00	0.02	6,6,6,6	0
56	MG	AA	1858	1/1	1.00	0.03	15,15,15,15	0
56	MG	BA	3157	1/1	1.00	0.04	8,8,8,8	0
56	MG	BY	201	1/1	1.00	0.07	36,36,36,36	0
56	MG	BA	3212	1/1	1.00	0.02	17,17,17,17	0
56	MG	AA	1751	1/1	1.00	0.05	20,20,20,20	0
56	MG	BA	3029	1/1	1.00	0.03	1,1,1,1	0
56	MG	AA	1860	1/1	1.00	0.01	11,11,11,11	0
56	MG	AA	1752	1/1	1.00	0.07	13,13,13,13	0
56	MG	CA	1828	1/1	1.00	0.08	2,2,2,2	0
56	MG	AA	1739	1/1	1.00	0.05	3,3,3,3	0
56	MG	B5	101	1/1	1.00	0.03	18,18,18,18	0
56	MG	AA	1709	1/1	1.00	0.05	15,15,15,15	0
56	MG	B7	102	1/1	1.00	0.03	13,13,13,13	0
56	MG	DH	203	1/1	1.00	0.06	19,19,19,19	0
56	MG	DH	204	1/1	1.00	0.10	11,11,11,11	0
56	MG	BA	3219	1/1	1.00	0.02	14,14,14,14	0
56	MG	BA	3580	1/1	1.00	0.06	19,19,19,19	0
56	MG	BA	3034	1/1	1.00	0.03	17,17,17,17	0
56	MG	DA	3666	1/1	1.00	0.10	23,23,23,23	0
56	MG	DA	3298	1/1	1.00	0.06	0,0,0,0	0
56	MG	DA	3299	1/1	1.00	0.02	1,1,1,1	0
56	MG	CA	1836	1/1	1.00	0.06	14,14,14,14	0
56	MG	DO	202	1/1	1.00	0.02	14,14,14,14	0
56	MG	DA	3671	1/1	1.00	0.08	6,6,6,6	0
56	MG	DA	3132	1/1	1.00	0.02	11,11,11,11	0
56	MG	BA	3493	1/1	1.00	0.05	17,17,17,17	0
56	MG	DA	3674	1/1	1.00	0.03	4,4,4,4	0
56	MG	DA	3304	1/1	1.00	0.02	10,10,10,10	0
56	MG	AA	1908	1/1	1.00	0.08	13,13,13,13	0
56	MG	BA	3222	1/1	1.00	0.04	13,13,13,13	0
56	MG	DP	204	1/1	1.00	0.08	3,3,3,3	0
56	MG	BA	3776	1/1	1.00	0.04	6,6,6,6	0
56	MG	DA	3680	1/1	1.00	0.04	6,6,6,6	0
56	MG	BA	3223	1/1	1.00	0.03	9,9,9,9	0
56	MG	DA	3488	1/1	1.00	0.07	10,10,10,10	0
56	MG	BA	3118	1/1	1.00	0.02	20,20,20,20	0
56	MG	CA	1843	1/1	1.00	0.01	21,21,21,21	0
56	MG	DT	201	1/1	1.00	0.06	25,25,25,25	0
56	MG	AA	1755	1/1	1.00	0.03	29,29,29,29	0
56	MG	BA	3168	1/1	1.00	0.05	4,4,4,4	0
56	MG	BA	3288	1/1	1.00	0.04	8,8,8,8	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3120	1/1	1.00	0.03	1,1,1,1	0
56	MG	AA	1710	1/1	1.00	0.03	1,1,1,1	0
56	MG	BA	3077	1/1	1.00	0.05	8,8,8,8	0
56	MG	BA	3429	1/1	1.00	0.03	5,5,5,5	0
56	MG	BA	3505	1/1	1.00	0.05	1,1,1,1	0
56	MG	AA	1730	1/1	1.00	0.03	12,12,12,12	0
56	MG	BA	3596	1/1	1.00	0.04	8,8,8,8	0
56	MG	DA	3502	1/1	1.00	0.01	13,13,13,13	0
56	MG	AA	1808	1/1	1.00	0.06	23,23,23,23	0
56	MG	BA	3125	1/1	1.00	0.03	23,23,23,23	0
56	MG	D4	101	1/1	1.00	0.03	23,23,23,23	0
56	MG	DA	3700	1/1	1.00	0.07	10,10,10,10	0
56	MG	BA	3295	1/1	1.00	0.03	1,1,1,1	0
56	MG	DA	3507	1/1	1.00	0.05	0,0,0,0	0
56	MG	BA	3600	1/1	1.00	0.04	13,13,13,13	0
56	MG	D5	101	1/1	1.00	0.03	2,2,2,2	0
56	MG	BA	3296	1/1	1.00	0.03	20,20,20,20	0
56	MG	DA	3511	1/1	1.00	0.02	7,7,7,7	0
56	MG	CA	1859	1/1	1.00	0.02	22,22,22,22	0
56	MG	DA	3331	1/1	1.00	0.04	0,0,0,0	0
56	MG	AZ	103	1/1	1.00	0.04	34,34,34,34	0
56	MG	DA	3161	1/1	1.00	0.05	1,1,1,1	0
56	MG	AA	1711	1/1	1.00	0.03	17,17,17,17	0
56	MG	DA	3163	1/1	1.00	0.02	21,21,21,21	0
56	MG	AA	1721	1/1	1.00	0.01	0,0,0,0	0
56	MG	CA	1740	1/1	1.00	0.05	8,8,8,8	0
56	MG	BA	3366	1/1	1.00	0.03	10,10,10,10	0
56	MG	DA	3005	1/1	1.00	0.02	1,1,1,1	0
56	MG	CA	1865	1/1	1.00	0.03	12,12,12,12	0
56	MG	AA	1776	1/1	1.00	0.03	11,11,11,11	0
56	MG	BA	3084	1/1	1.00	0.03	1,1,1,1	0
56	MG	CA	1630	1/1	1.00	0.03	36,36,36,36	0
56	MG	DA	3010	1/1	1.00	0.06	2,2,2,2	0
56	MG	CA	1869	1/1	1.00	0.03	32,32,32,32	0
56	MG	CA	1870	1/1	1.00	0.02	25,25,25,25	0
56	MG	DA	3529	1/1	1.00	0.03	7,7,7,7	0
56	MG	BA	3180	1/1	1.00	0.05	8,8,8,8	0
56	MG	DA	3531	1/1	1.00	0.03	39,39,39,39	0
56	MG	DA	3014	1/1	1.00	0.02	9,9,9,9	0
56	MG	BA	3518	1/1	1.00	0.01	9,9,9,9	0
56	MG	BA	3009	1/1	1.00	0.03	0,0,0,0	0
56	MG	DA	3017	1/1	1.00	0.02	4,4,4,4	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	2002	1/1	1.00	0.08	39,39,39,39	0
56	MG	DA	3353	1/1	1.00	0.03	0,0,0,0	0
56	MG	DA	3019	1/1	1.00	0.03	5,5,5,5	0
56	MG	BA	3240	1/1	1.00	0.04	10,10,10,10	0
56	MG	AA	1712	1/1	1.00	0.04	26,26,26,26	0
56	MG	BA	3522	1/1	1.00	0.03	0,0,0,0	0
56	MG	DA	3023	1/1	1.00	0.03	7,7,7,7	0
56	MG	DA	3024	1/1	1.00	0.01	12,12,12,12	0
56	MG	BA	3614	1/1	1.00	0.06	32,32,32,32	0
56	MG	BA	3523	1/1	1.00	0.02	0,0,0,0	0
56	MG	AA	1616	1/1	1.00	0.03	7,7,7,7	0
56	MG	BB	203	1/1	1.00	0.06	22,22,22,22	0
56	MG	CA	1755	1/1	1.00	0.02	31,31,31,31	0
56	MG	DA	3549	1/1	1.00	0.01	13,13,13,13	0
56	MG	DA	3365	1/1	1.00	0.03	8,8,8,8	0
56	MG	BA	3374	1/1	1.00	0.02	25,25,25,25	0
56	MG	AA	1670	1/1	1.00	0.03	22,22,22,22	0
56	MG	DA	3032	1/1	1.00	0.02	0,0,0,0	0
56	MG	CA	2013	1/1	1.00	0.01	7,7,7,7	0
56	MG	BA	3185	1/1	1.00	0.04	5,5,5,5	0
56	MG	DA	3035	1/1	1.00	0.02	6,6,6,6	0
56	MG	CA	1644	1/1	1.00	0.04	6,6,6,6	0
56	MG	BA	3377	1/1	1.00	0.04	4,4,4,4	0
56	MG	BA	3135	1/1	1.00	0.01	13,13,13,13	0
56	MG	BB	209	1/1	1.00	0.03	26,26,26,26	0
56	MG	DA	3202	1/1	1.00	0.02	32,32,32,32	0
56	MG	DA	3562	1/1	1.00	0.03	17,17,17,17	0
56	MG	DA	3563	1/1	1.00	0.08	8,8,8,8	0
56	MG	DA	3564	1/1	1.00	0.03	7,7,7,7	0
56	MG	DA	3377	1/1	1.00	0.03	21,21,21,21	0
56	MG	CZ	105	1/1	1.00	0.02	16,16,16,16	0
56	MG	BA	3013	1/1	1.00	0.02	0,0,0,0	0
56	MG	BA	3452	1/1	1.00	0.02	18,18,18,18	0
56	MG	BA	3188	1/1	1.00	0.05	3,3,3,3	0
56	MG	CA	1892	1/1	1.00	0.02	5,5,5,5	0
56	MG	DA	3045	1/1	1.00	0.02	7,7,7,7	0
56	MG	AA	1763	1/1	1.00	0.05	30,30,30,30	0
56	MG	DA	3047	1/1	1.00	0.06	10,10,10,10	0
56	MG	BA	3534	1/1	1.00	0.07	24,24,24,24	0
56	MG	BA	3015	1/1	1.00	0.03	16,16,16,16	0
56	MG	DB	213	1/1	1.00	0.02	20,20,20,20	0
56	MG	CA	1654	1/1	1.00	0.05	23,23,23,23	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3051	1/1	1.00	0.03	16,16,16,16	0
56	MG	BA	3537	1/1	1.00	0.05	17,17,17,17	0
56	MG	BA	3724	1/1	1.00	0.02	32,32,32,32	0
56	MG	DA	3392	1/1	1.00	0.07	4,4,4,4	0
56	MG	BA	3538	1/1	1.00	0.02	10,10,10,10	0
56	MG	BA	3052	1/1	1.00	0.02	0,0,0,0	0
56	MG	BA	3727	1/1	1.00	0.06	36,36,36,36	0
56	MG	BA	3385	1/1	1.00	0.03	18,18,18,18	0
56	MG	BA	3541	1/1	1.00	0.01	1,1,1,1	0
56	MG	CA	1663	1/1	1.00	0.02	8,8,8,8	0
56	MG	BA	3542	1/1	1.00	0.02	13,13,13,13	0
56	MG	DA	3061	1/1	1.00	0.05	4,4,4,4	0
56	MG	BA	3252	1/1	1.00	0.07	7,7,7,7	0
56	MG	BA	3193	1/1	1.00	0.05	2,2,2,2	0
57	ZN	AD	301	1/1	1.00	0.12	46,46,46,46	0
56	MG	BD	301	1/1	1.00	0.03	2,2,2,2	0
56	MG	BA	3637	1/1	1.00	0.03	14,14,14,14	0
57	ZN	CN	101	1/1	1.00	0.01	82,82,82,82	0

5.5 Other polymers [i](#)

There are no such residues in this entry.