



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 17, 2026 – 04:58 AM UTC

PDB ID : 4V67 / pdb_00004v67
Title : Crystal structure of a translation termination complex formed with release factor RF2.
Authors : Korostelev, A.; Asahara, H.; Lancaster, L.; Laurberg, M.; Hirschi, A.; Noller, H.F.
Deposited on : 2008-10-27
Resolution : 3.00 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

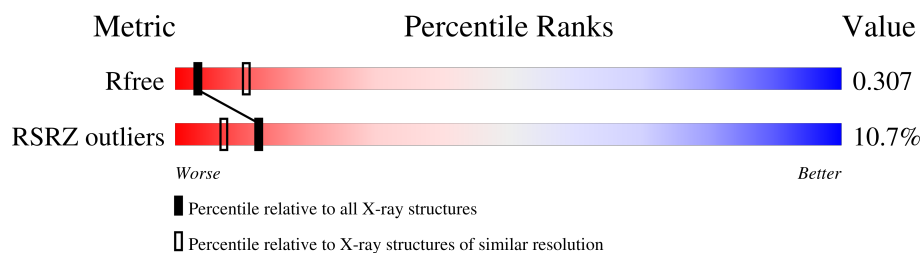
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.00 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	2511 (3.00-3.00)
RSRZ outliers	164620	2523 (3.00-3.00)

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

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	AA	1810	-	-	-	X
56	MG	AA	1844	-	-	-	X
56	MG	AA	1875	-	-	-	X
56	MG	AA	1876	-	-	-	X
56	MG	AA	1881	-	-	-	X
56	MG	AA	1955	-	-	-	X
56	MG	BA	3013	-	-	-	X
56	MG	BA	3020	-	-	-	X
56	MG	BA	3042	-	-	-	X
56	MG	BA	3143	-	-	-	X
56	MG	BA	3161	-	-	-	X
56	MG	BA	3168	-	-	-	X
56	MG	BA	3170	-	-	-	X
56	MG	BA	3362	-	-	-	X
56	MG	BA	3407	-	-	-	X
56	MG	BA	3437	-	-	-	X
56	MG	BA	3460	-	-	-	X
56	MG	BA	3598	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	BA	3745	-	-	-	X
56	MG	BA	3752	-	-	-	X
56	MG	BB	205	-	-	-	X
56	MG	DA	3283	-	-	-	X
56	MG	DA	3297	-	-	-	X
56	MG	DA	3361	-	-	-	X

2 Entry composition

There are 57 unique types of molecules in this entry. The entry contains 301148 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	10	Total	C	N	O	P	0	0	0
			214	98	44	63	9			
3	CV	10	Total	C	N	O	P	0	0	0
			214	98	44	63	9			

- 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	114	Total	C	N	O	S	0	0	0
			842	522	159	158	3			
13	CK	114	Total	C	N	O	S	0	0	0
			842	522	159	158	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	AL	122	Total	C	N	O	S	0	0	0
			956	603	193	159	1			
14	CL	122	Total	C	N	O	S	0	0	0
			956	603	193	159	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 Bacterial peptide chain release factor 2 (RF-2).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	AX	362	Total	C	N	O	S	0	0	0
			2876	1794	518	556	8			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
24	CX	362	Total	C	N	O	S	0	0	0
			2876	1794	518	556	8			

- 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			

- 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			
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 L11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	BK	147	Total	C	N	O	S	0	0	0
			1088	692	191	199	6			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	DK	147	Total	C	N	O	S	0	0	0
			1088	692	191	199	6			

- 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 48 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
BN	1	MET	-	insertion	UNP Q72IN1
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
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	1	MET	-	insertion	UNP Q72IN1
DN	2	VAL	-	insertion	UNP Q72IN1
DN	3	LYS	-	insertion	UNP Q72IN1
DN	4	SER	-	insertion	UNP Q72IN1

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Chain	Residue	Modelled	Actual	Comment	Reference
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			
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	134	Total	C	N	O	S	0	0	0
			1064	680	201	178	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
37	DQ	134	Total	C	N	O	S	0	0	0
			1064	680	201	178	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	187	Total	C	N	O	S	0	0	0
			1482	945	264	271	2			
46	DZ	187	Total	C	N	O	S	0	0	0
			1482	945	264	271	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	62	Total	C	N	O	S	0	0	0
			520	325	102	91	2			
49	D2	62	Total	C	N	O	S	0	0	0
			520	325	102	91	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 54 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B4	1	MET	-	insertion	UNP Q72JR0
B4	2	PRO	-	insertion	UNP Q72JR0
B4	3	LEU	-	insertion	UNP Q72JR0
B4	4	GLY	-	insertion	UNP Q72JR0
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

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Chain	Residue	Modelled	Actual	Comment	Reference
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	1	MET	-	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
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

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Chain	Residue	Modelled	Actual	Comment	Reference
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	428	Total	Mg	0	0
			428	428		
56	AZ	15	Total	Mg	0	0
			15	15		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	AV	3	Total 3	Mg 3	0	0
56	AY	26	Total 26	Mg 26	0	0
56	AB	7	Total 7	Mg 7	0	0
56	AC	4	Total 4	Mg 4	0	0
56	AD	3	Total 3	Mg 3	0	0
56	AE	8	Total 8	Mg 8	0	0
56	AF	2	Total 2	Mg 2	0	0
56	AG	2	Total 2	Mg 2	0	0
56	AH	2	Total 2	Mg 2	0	0
56	AI	1	Total 1	Mg 1	0	0
56	AJ	1	Total 1	Mg 1	0	0
56	AK	7	Total 7	Mg 7	0	0
56	AL	4	Total 4	Mg 4	0	0
56	AM	3	Total 3	Mg 3	0	0
56	AN	1	Total 1	Mg 1	0	0
56	AO	2	Total 2	Mg 2	0	0
56	AQ	1	Total 1	Mg 1	0	0
56	AR	1	Total 1	Mg 1	0	0
56	AT	2	Total 2	Mg 2	0	0
56	AX	14	Total 14	Mg 14	0	0
56	BA	923	Total 923	Mg 923	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	BB	35	Total 35	Mg 35	0	0
56	BD	7	Total 7	Mg 7	0	0
56	BE	6	Total 6	Mg 6	0	0
56	BF	6	Total 6	Mg 6	0	0
56	BG	2	Total 2	Mg 2	0	0
56	BH	4	Total 4	Mg 4	0	0
56	BI	6	Total 6	Mg 6	0	0
56	BK	3	Total 3	Mg 3	0	0
56	BN	4	Total 4	Mg 4	0	0
56	BO	5	Total 5	Mg 5	0	0
56	BP	2	Total 2	Mg 2	0	0
56	BQ	6	Total 6	Mg 6	0	0
56	BR	2	Total 2	Mg 2	0	0
56	BS	3	Total 3	Mg 3	0	0
56	BT	1	Total 1	Mg 1	0	0
56	BU	1	Total 1	Mg 1	0	0
56	BV	3	Total 3	Mg 3	0	0
56	BW	2	Total 2	Mg 2	0	0
56	BX	2	Total 2	Mg 2	0	0
56	BY	3	Total 3	Mg 3	0	0
56	BZ	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	B0	3	Total 3	Mg 3	0	0
56	B1	7	Total 7	Mg 7	0	0
56	B2	3	Total 3	Mg 3	0	0
56	B4	2	Total 2	Mg 2	0	0
56	B5	2	Total 2	Mg 2	0	0
56	B6	2	Total 2	Mg 2	0	0
56	B8	4	Total 4	Mg 4	0	0
56	CA	222	Total 222	Mg 222	0	0
56	CZ	14	Total 14	Mg 14	0	0
56	CY	14	Total 14	Mg 14	0	0
56	CB	2	Total 2	Mg 2	0	0
56	CC	1	Total 1	Mg 1	0	0
56	CF	5	Total 5	Mg 5	0	0
56	CG	2	Total 2	Mg 2	0	0
56	CH	2	Total 2	Mg 2	0	0
56	CK	3	Total 3	Mg 3	0	0
56	CL	1	Total 1	Mg 1	0	0
56	CO	1	Total 1	Mg 1	0	0
56	CQ	1	Total 1	Mg 1	0	0
56	CS	1	Total 1	Mg 1	0	0
56	CT	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	DA	491	Total 491	Mg 491	0	0
56	DB	12	Total 12	Mg 12	0	0
56	DD	9	Total 9	Mg 9	0	0
56	DE	1	Total 1	Mg 1	0	0
56	DF	1	Total 1	Mg 1	0	0
56	DG	2	Total 2	Mg 2	0	0
56	DI	1	Total 1	Mg 1	0	0
56	DN	1	Total 1	Mg 1	0	0
56	DO	2	Total 2	Mg 2	0	0
56	DP	1	Total 1	Mg 1	0	0
56	DQ	2	Total 2	Mg 2	0	0
56	DR	1	Total 1	Mg 1	0	0
56	DT	1	Total 1	Mg 1	0	0
56	DU	1	Total 1	Mg 1	0	0
56	DY	1	Total 1	Mg 1	0	0
56	D1	2	Total 2	Mg 2	0	0
56	D6	1	Total 1	Mg 1	0	0
56	D8	1	Total 1	Mg 1	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

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
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	211.24Å 456.78Å 618.71Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	49.95 – 3.00 49.95 – 3.00	Depositor EDS
% Data completeness (in resolution range)	97.3 (49.95-3.00) 97.3 (49.95-3.00)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.31 (at 3.01Å)	Xtriage
Refinement program	PHENIX (phenix.refine), CNS 1.2	Depositor
R, R_{free}	0.280 , 0.316 0.274 , 0.307	Depositor DCC
R_{free} test set	10573 reflections (0.91%)	wwPDB-VP
Wilson B-factor (Å ²)	56.2	Xtriage
Anisotropy	0.291	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.23 , 59.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	301148	wwPDB-VP
Average B, all atoms (Å ²)	95.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.24% 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 2392 ligands modelled in this entry, 2392 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%)	-0.17	38 (2%) 58 36	35, 78, 175, 261	0
1	CA	1504/1525 (98%)	0.28	82 (5%) 32 18	34, 99, 199, 271	0
2	AY	77/77 (100%)	-0.17	3 (3%) 44 26	60, 90, 124, 194	0
2	AZ	77/77 (100%)	0.77	10 (12%) 9 5	146, 211, 242, 260	0
2	CY	77/77 (100%)	-0.00	2 (2%) 57 35	59, 91, 127, 196	0
2	CZ	77/77 (100%)	1.16	17 (22%) 3 2	175, 231, 266, 276	0
3	AV	10/27 (37%)	1.05	2 (20%) 3 2	62, 77, 118, 184	0
3	CV	10/27 (37%)	1.84	3 (30%) 1 1	63, 104, 143, 196	0
4	AB	234/256 (91%)	0.58	21 (8%) 17 9	85, 126, 167, 194	0
4	CB	234/256 (91%)	0.62	19 (8%) 19 11	91, 127, 174, 204	0
5	AC	206/239 (86%)	0.66	19 (9%) 16 9	86, 121, 159, 183	0
5	CC	206/239 (86%)	1.00	36 (17%) 5 3	87, 126, 164, 178	0
6	AD	208/209 (99%)	0.73	33 (15%) 6 4	50, 79, 127, 164	0
6	CD	208/209 (99%)	1.38	62 (29%) 1 1	81, 115, 151, 184	0
7	AE	151/162 (93%)	0.62	21 (13%) 7 4	65, 90, 130, 192	0
7	CE	151/162 (93%)	0.72	18 (11%) 10 6	71, 100, 145, 173	0
8	AF	101/101 (100%)	0.25	4 (3%) 43 25	69, 98, 137, 176	0
8	CF	101/101 (100%)	0.39	6 (5%) 29 16	64, 94, 131, 149	0
9	AG	155/156 (99%)	0.66	18 (11%) 11 6	82, 113, 154, 172	0
9	CG	155/156 (99%)	0.84	27 (17%) 5 3	87, 125, 158, 181	0
10	AH	138/138 (100%)	0.58	7 (5%) 34 19	64, 90, 135, 146	0
10	CH	138/138 (100%)	1.25	35 (25%) 2 2	80, 107, 145, 171	0
11	AI	127/128 (99%)	1.20	24 (18%) 4 3	90, 134, 168, 182	0
11	CI	127/128 (99%)	2.19	58 (45%) 1 1	105, 140, 173, 227	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
12	AJ	98/105 (93%)	1.57	25 (25%) 2 2	87, 125, 166, 184	0
12	CJ	98/105 (93%)	1.87	35 (35%) 1 1	106, 144, 175, 186	0
13	AK	114/129 (88%)	0.78	16 (14%) 7 4	59, 88, 123, 160	0
13	CK	114/129 (88%)	1.11	25 (21%) 3 2	64, 91, 135, 175	0
14	AL	122/134 (91%)	0.47	12 (9%) 14 8	47, 67, 114, 144	0
14	CL	122/134 (91%)	0.91	23 (18%) 4 3	57, 89, 131, 185	0
15	AM	117/126 (92%)	0.99	22 (18%) 4 3	93, 122, 159, 171	0
15	CM	117/126 (92%)	1.37	27 (23%) 2 2	98, 142, 172, 188	0
16	AN	60/61 (98%)	1.54	15 (25%) 2 2	75, 109, 141, 193	0
16	CN	60/61 (98%)	1.90	22 (36%) 1 1	80, 113, 158, 175	0
17	AO	88/89 (98%)	0.24	4 (4%) 39 22	57, 90, 123, 145	0
17	CO	88/89 (98%)	0.69	10 (11%) 11 6	60, 91, 130, 145	0
18	AP	83/88 (94%)	0.61	10 (12%) 10 6	58, 75, 119, 184	0
18	CP	83/88 (94%)	1.75	26 (31%) 1 1	90, 123, 155, 202	0
19	AQ	99/105 (94%)	0.44	5 (5%) 34 19	56, 79, 118, 142	0
19	CQ	99/105 (94%)	0.76	10 (10%) 14 8	76, 105, 140, 159	0
20	AR	70/88 (79%)	0.27	2 (2%) 54 32	68, 103, 147, 165	0
20	CR	70/88 (79%)	0.14	1 (1%) 73 52	64, 87, 139, 147	0
21	AS	78/93 (83%)	1.17	17 (21%) 3 2	98, 136, 170, 193	0
21	CS	78/93 (83%)	1.70	27 (34%) 1 1	114, 150, 184, 205	0
22	AT	99/106 (93%)	1.02	19 (19%) 4 3	51, 84, 138, 166	0
22	CT	99/106 (93%)	1.56	31 (31%) 1 1	87, 117, 160, 184	0
23	AU	24/27 (88%)	2.54	13 (54%) 0 0	93, 122, 162, 191	0
23	CU	24/27 (88%)	2.52	15 (62%) 0 0	100, 137, 178, 187	0
24	AX	362/378 (95%)	0.75	39 (10%) 12 7	61, 129, 207, 244	0
24	CX	362/378 (95%)	1.20	66 (18%) 4 3	94, 150, 244, 273	0
25	BA	2879/2894 (99%)	-0.19	69 (2%) 59 37	14, 64, 186, 278	0
25	DA	2879/2894 (99%)	-0.04	111 (3%) 44 26	10, 67, 204, 287	0
26	BB	119/124 (95%)	0.36	3 (2%) 58 36	69, 100, 144, 222	0
26	DB	119/124 (95%)	1.31	23 (19%) 4 2	87, 147, 205, 258	0
27	BD	271/276 (98%)	0.21	18 (6%) 26 14	27, 51, 99, 162	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
27	DD	271/276 (98%)	0.14	11 (4%) 42 24	26, 51, 92, 146	0
28	BE	204/206 (99%)	0.39	14 (6%) 24 14	36, 69, 126, 159	0
28	DE	204/206 (99%)	0.83	29 (14%) 7 4	45, 85, 137, 186	0
29	BF	202/210 (96%)	0.45	18 (8%) 17 9	38, 71, 131, 153	0
29	DF	202/210 (96%)	0.33	17 (8%) 18 10	34, 66, 124, 190	0
30	BG	181/182 (99%)	0.89	27 (14%) 7 4	88, 121, 164, 179	0
30	DG	181/182 (99%)	1.33	44 (24%) 2 2	113, 153, 182, 206	0
31	BH	159/180 (88%)	1.09	35 (22%) 3 2	97, 139, 185, 202	0
31	DH	159/180 (88%)	0.88	19 (11%) 10 6	79, 111, 154, 174	0
32	BI	145/148 (97%)	0.74	25 (17%) 5 3	54, 106, 147, 198	0
32	DI	145/148 (97%)	0.12	10 (6%) 24 14	58, 94, 129, 147	0
33	BK	147/147 (100%)	1.25	30 (20%) 3 2	177, 205, 225, 240	0
33	DK	147/147 (100%)	1.79	54 (36%) 1 1	207, 236, 257, 274	0
34	BN	137/163 (84%)	1.00	27 (19%) 3 3	55, 87, 131, 153	0
34	DN	137/163 (84%)	1.07	20 (14%) 7 4	59, 80, 130, 164	0
35	BO	122/122 (100%)	0.00	2 (1%) 70 49	32, 61, 101, 118	0
35	DO	122/122 (100%)	0.21	3 (2%) 58 36	47, 72, 108, 129	0
36	BP	146/150 (97%)	1.24	30 (20%) 3 2	35, 89, 148, 203	0
36	DP	146/150 (97%)	1.37	36 (24%) 2 2	21, 93, 146, 183	0
37	BQ	134/141 (95%)	0.78	14 (10%) 13 7	44, 79, 136, 188	0
37	DQ	134/141 (95%)	1.28	34 (25%) 2 2	56, 91, 148, 192	0
38	BR	117/118 (99%)	0.61	11 (9%) 15 9	31, 63, 114, 165	0
38	DR	117/118 (99%)	0.76	15 (12%) 9 5	48, 73, 130, 148	0
39	BS	98/112 (87%)	1.21	20 (20%) 3 2	66, 105, 140, 169	0
39	DS	98/112 (87%)	1.81	34 (34%) 1 1	106, 144, 177, 218	0
40	BT	137/146 (93%)	0.45	11 (8%) 20 11	41, 76, 136, 156	0
40	DT	137/146 (93%)	0.88	21 (15%) 6 4	66, 100, 155, 189	0
41	BU	117/118 (99%)	0.72	18 (15%) 6 4	45, 78, 124, 159	0
41	DU	117/118 (99%)	0.73	12 (10%) 13 8	39, 68, 120, 194	0
42	BV	101/101 (100%)	0.70	16 (15%) 6 4	63, 99, 144, 220	0
42	DV	101/101 (100%)	0.50	9 (8%) 17 9	46, 91, 143, 206	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
43	BW	112/113 (99%)	0.67	14 (12%) 9 5	39, 64, 111, 163	0
43	DW	112/113 (99%)	0.37	9 (8%) 20 11	31, 61, 119, 155	0
44	BX	92/96 (95%)	0.83	13 (14%) 7 4	50, 79, 122, 149	0
44	DX	92/96 (95%)	0.71	12 (13%) 9 5	38, 65, 114, 150	0
45	BY	100/110 (90%)	1.80	37 (37%) 1 1	75, 112, 179, 200	0
45	DY	100/110 (90%)	1.15	16 (16%) 6 4	53, 86, 160, 186	0
46	BZ	187/206 (90%)	0.72	21 (11%) 11 7	83, 119, 156, 196	0
46	DZ	187/206 (90%)	1.16	37 (19%) 3 3	107, 139, 176, 201	0
47	B0	76/85 (89%)	0.81	11 (14%) 7 4	56, 78, 115, 150	0
47	D0	76/85 (89%)	1.25	16 (21%) 3 2	73, 99, 139, 160	0
48	B1	88/98 (89%)	0.95	13 (14%) 7 4	31, 66, 119, 177	0
48	D1	88/98 (89%)	0.90	16 (18%) 4 3	34, 68, 143, 172	0
49	B2	62/72 (86%)	0.99	7 (11%) 11 6	55, 90, 131, 165	0
49	D2	62/72 (86%)	0.91	13 (20%) 3 2	37, 75, 147, 177	0
50	B3	59/60 (98%)	0.84	12 (20%) 3 2	65, 85, 145, 166	0
50	D3	59/60 (98%)	0.96	10 (16%) 5 3	57, 83, 129, 170	0
51	B4	30/97 (30%)	0.12	0 100 100	101, 135, 178, 183	0
51	D4	30/97 (30%)	0.45	1 (3%) 49 29	115, 149, 178, 183	0
52	B5	52/60 (86%)	0.76	5 (9%) 15 8	49, 79, 147, 166	0
52	D5	52/60 (86%)	0.64	4 (7%) 21 12	42, 80, 147, 167	0
53	B6	44/54 (81%)	2.23	14 (31%) 1 1	106, 136, 175, 224	0
53	D6	44/54 (81%)	1.72	14 (31%) 1 1	111, 140, 175, 192	0
54	B7	48/49 (97%)	1.39	12 (25%) 2 2	38, 57, 119, 143	0
54	D7	48/49 (97%)	0.58	6 (12%) 9 5	31, 44, 96, 161	0
55	B8	63/65 (96%)	1.26	14 (22%) 3 2	42, 59, 117, 156	0
55	D8	63/65 (96%)	1.29	18 (28%) 1 2	48, 72, 133, 168	0
All	All	21662/22654 (95%)	0.49	2317 (10%) 12 7	10, 90, 190, 287	0

All (2317) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
11	CI	7	THR	12.6
11	CI	8	GLY	12.4

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Mol	Chain	Res	Type	RSRZ
49	B2	3	LEU	11.2
16	AN	14	PRO	11.0
54	D7	48	LYS	11.0
24	CX	347	GLU	10.5
16	CN	14	PRO	10.4
36	BP	27	HIS	10.3
36	DP	107	LYS	10.3
46	DZ	70	LEU	10.3
6	CD	4	TYR	10.2
12	AJ	72	VAL	10.0
2	CZ	34	C	9.9
16	CN	2	ALA	9.8
5	CC	179	ARG	9.6
54	B7	48	LYS	9.6
12	CJ	5	ARG	9.4
25	DA	2169	A	9.4
34	DN	138	ARG	9.4
2	CZ	17(A)	U	9.3
53	B6	13	CYS	9.3
5	CC	101	LEU	9.3
27	BD	34	VAL	9.1
1	CA	81	G	9.0
15	CM	102	ARG	8.7
37	BQ	21	THR	8.7
44	BX	60	ARG	8.6
12	AJ	6	ILE	8.6
13	AK	119	CYS	8.5
46	BZ	80	ARG	8.5
44	BX	33	LYS	8.5
39	DS	11	LYS	8.4
18	CP	8	ARG	8.3
12	AJ	5	ARG	8.3
12	CJ	73	ASP	8.2
34	DN	132	LYS	8.2
11	CI	128	ARG	8.2
24	CX	173	PRO	8.1
12	AJ	47	PHE	8.0
46	DZ	74	VAL	8.0
37	DQ	21	THR	7.9
31	DH	170	ARG	7.8
28	DE	193	GLY	7.8
36	BP	51	PHE	7.8

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Mol	Chain	Res	Type	RSRZ
6	AD	4	TYR	7.8
39	DS	92	TYR	7.7
18	CP	17	TYR	7.6
30	BG	75	LYS	7.6
52	D5	2	ALA	7.6
12	CJ	46	ARG	7.6
53	D6	13	CYS	7.6
31	DH	116	GLU	7.5
55	D8	64	TYR	7.5
10	CH	101	PRO	7.4
10	AH	99	GLU	7.4
25	DA	1026	U	7.4
15	CM	118	ALA	7.3
16	AN	8	GLU	7.3
12	AJ	73	ASP	7.3
53	B6	23	THR	7.3
53	B6	24	GLU	7.2
9	AG	81	GLY	7.2
7	AE	29	GLY	7.2
30	DG	35	GLU	7.2
1	AA	84	U	7.2
10	CH	1	MET	7.1
11	AI	128	ARG	7.1
25	DA	508	G	7.1
25	DA	276	A	7.1
12	AJ	35	SER	7.0
28	DE	7	VAL	7.0
47	D0	17	GLN	7.0
11	AI	126	SER	7.0
24	CX	174	GLU	6.9
48	B1	95	LEU	6.9
39	BS	85	VAL	6.9
45	DY	33	LYS	6.9
4	AB	214	ILE	6.9
39	BS	20	ARG	6.8
26	DB	31	C	6.8
24	AX	74	THR	6.8
31	DH	156	ALA	6.8
1	CA	1224	G	6.8
9	AG	80	VAL	6.8
36	BP	107	LYS	6.8
2	CZ	56	C	6.7

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Mol	Chain	Res	Type	RSRZ
31	DH	155	SER	6.7
36	DP	68	GLN	6.6
43	BW	81	ALA	6.6
30	DG	34	LEU	6.6
39	BS	11	LYS	6.6
23	AU	13	ILE	6.6
4	AB	12	GLU	6.6
48	D1	27	GLU	6.5
15	AM	102	ARG	6.5
28	DE	52	LEU	6.5
27	DD	34	VAL	6.5
21	CS	56	GLN	6.4
1	AA	85	U	6.4
16	CN	19	ARG	6.4
31	DH	111	HIS	6.3
30	DG	33	ARG	6.3
33	BK	22	PRO	6.3
48	D1	95	LEU	6.3
28	DE	79	ARG	6.3
29	BF	44	ARG	6.2
22	CT	12	ALA	6.2
5	CC	2	GLY	6.2
37	DQ	10	ARG	6.2
29	BF	184	TYR	6.2
14	AL	27	LYS	6.2
16	CN	9	LYS	6.2
34	DN	68	ASN	6.2
46	DZ	27	VAL	6.2
10	CH	127	LEU	6.2
36	DP	74	GLU	6.2
31	DH	169	VAL	6.1
27	BD	35	LYS	6.1
5	CC	87	LEU	6.1
52	B5	2	ALA	6.1
28	BE	121	ASN	6.1
38	DR	8	ARG	6.1
45	BY	79	CYS	6.1
7	CE	24	ARG	6.1
46	DZ	88	PHE	6.0
36	DP	27	HIS	6.0
11	CI	15	ALA	6.0
11	CI	6	GLY	6.0

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Mol	Chain	Res	Type	RSRZ
2	CY	1	C	6.0
12	CJ	19	SER	6.0
48	B1	10	LYS	6.0
36	DP	103	ALA	5.9
55	B8	64	TYR	5.9
13	AK	25	TYR	5.9
23	CU	10	ARG	5.9
25	DA	2168	G	5.9
28	DE	60	ASN	5.9
34	BN	132	LYS	5.9
18	CP	13	HIS	5.9
55	B8	40	GLU	5.9
11	AI	64	THR	5.8
45	BY	47	LYS	5.8
47	B0	41	ARG	5.8
45	BY	3	VAL	5.8
18	CP	12	LYS	5.8
6	CD	3	ARG	5.8
25	DA	2120	G	5.8
24	CX	344	HIS	5.8
7	CE	19	MET	5.8
30	BG	159	VAL	5.8
1	CA	82	U	5.7
23	AU	25	LYS	5.7
21	CS	81	ARG	5.7
33	DK	22	PRO	5.7
23	CU	23	PRO	5.7
11	CI	28	VAL	5.7
33	DK	127	ILE	5.6
53	B6	39	TYR	5.6
24	CX	348	ASN	5.6
15	AM	100	GLY	5.6
37	BQ	24	GLY	5.6
15	AM	42	ALA	5.6
2	AY	1	C	5.6
36	BP	28	GLY	5.6
28	BE	151	TYR	5.6
25	BA	2121	G	5.5
26	DB	7	G	5.5
23	AU	6	ARG	5.5
37	BQ	90	VAL	5.5
55	D8	46	ARG	5.5

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Mol	Chain	Res	Type	RSRZ
12	CJ	58	ASP	5.5
38	BR	8	ARG	5.5
21	AS	44	MET	5.5
45	BY	92	ASN	5.5
48	B1	27	GLU	5.5
47	D0	10	THR	5.5
13	CK	89	ALA	5.5
11	CI	9	ARG	5.4
36	DP	51	PHE	5.4
33	DK	13	PRO	5.4
30	BG	74	LYS	5.4
52	B5	53	ALA	5.4
49	B2	4	SER	5.4
1	CA	91	C	5.4
34	BN	69	VAL	5.4
21	CS	35	SER	5.4
15	CM	31	LYS	5.4
11	CI	109	VAL	5.4
18	CP	6	LEU	5.3
21	CS	78	ARG	5.3
36	DP	28	GLY	5.3
3	CV	15	A	5.3
16	AN	6	LEU	5.3
54	B7	47	ARG	5.3
31	BH	55	PRO	5.3
9	CG	84	ASN	5.3
1	AA	86	U	5.3
10	AH	1	MET	5.3
36	BP	7	ARG	5.3
38	DR	2	ARG	5.3
54	B7	1	MET	5.3
38	BR	6	SER	5.3
32	BI	4	ILE	5.3
25	DA	2321	G	5.3
6	CD	10	ARG	5.3
24	CX	74	THR	5.2
48	D1	10	LYS	5.2
18	CP	65	GLN	5.2
13	AK	122	LYS	5.2
11	AI	14	VAL	5.2
32	BI	85	GLU	5.2
22	AT	21	LYS	5.2

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Mol	Chain	Res	Type	RSRZ
25	DA	2170	A	5.2
12	CJ	72	VAL	5.2
22	AT	12	ALA	5.1
39	DS	19	LYS	5.1
50	D3	24	LYS	5.1
10	CH	98	LYS	5.1
21	CS	80	TYR	5.1
37	BQ	139	GLU	5.1
36	BP	15	ARG	5.1
36	BP	17	LYS	5.1
14	CL	90	LYS	5.1
37	DQ	130	LYS	5.1
48	B1	30	VAL	5.1
23	AU	23	PRO	5.0
15	CM	21	TYR	5.0
22	AT	25	ARG	5.0
24	CX	46	LEU	5.0
13	AK	120	ARG	5.0
32	BI	35	LEU	5.0
36	DP	25	SER	5.0
39	BS	13	ARG	5.0
33	BK	21	PRO	5.0
3	CV	24	A	5.0
15	CM	99	ARG	5.0
36	DP	77	ARG	5.0
25	DA	2319	G	5.0
13	AK	75	TYR	4.9
21	CS	37	ARG	4.9
11	CI	42	ARG	4.9
6	AD	67	ILE	4.9
21	CS	68	GLY	4.9
55	B8	32	LEU	4.9
45	DY	17	SER	4.9
16	AN	15	LYS	4.9
37	DQ	68	ILE	4.9
25	BA	1026	U	4.9
2	AZ	34	C	4.9
32	BI	31	LEU	4.9
30	DG	29	TRP	4.8
33	BK	74	ALA	4.8
36	DP	79	ARG	4.8
2	CZ	35	A	4.8

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Mol	Chain	Res	Type	RSRZ
3	CV	23	A	4.8
12	CJ	61	GLU	4.8
22	CT	83	ARG	4.8
45	BY	59	GLY	4.8
7	AE	20	GLN	4.8
2	AZ	17	C	4.8
46	BZ	97	GLU	4.8
11	CI	83	ARG	4.8
46	BZ	79	ARG	4.8
13	AK	87	THR	4.8
27	DD	42	GLY	4.8
28	DE	10	GLY	4.8
16	AN	17	LYS	4.8
11	CI	17	VAL	4.8
10	CH	99	GLU	4.8
11	CI	12	GLU	4.8
26	DB	30	C	4.8
22	CT	9	ASN	4.8
25	BA	2116	G	4.8
6	AD	66	ARG	4.8
9	AG	5	ARG	4.8
11	CI	66	ARG	4.8
11	CI	126	SER	4.8
14	CL	19	LYS	4.8
31	BH	43	VAL	4.7
34	DN	69	VAL	4.7
36	BP	33	ARG	4.7
36	BP	30	THR	4.7
54	D7	1	MET	4.7
25	DA	1067	A	4.7
1	CA	84	U	4.7
26	DB	47	C	4.7
6	AD	8	VAL	4.7
2	AZ	17(A)	U	4.7
26	DB	8	U	4.7
15	AM	118	ALA	4.7
11	CI	5	TYR	4.7
33	DK	74	ALA	4.7
44	DX	85	PRO	4.6
25	DA	1091	G	4.6
13	CK	87	THR	4.6
6	CD	71	SER	4.6

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Mol	Chain	Res	Type	RSRZ
24	CX	332	ASN	4.6
28	DE	204	ALA	4.6
43	BW	8	ARG	4.6
24	AX	220	GLY	4.6
34	BN	139	LEU	4.6
13	CK	124	LYS	4.6
46	DZ	75	ASN	4.6
17	CO	63	ARG	4.6
9	AG	85	TYR	4.6
23	CU	9	ARG	4.6
30	DG	79	ASN	4.6
43	BW	85	VAL	4.6
14	CL	27	LYS	4.6
33	DK	15	GLY	4.6
49	D2	3	LEU	4.6
1	CA	92	G	4.6
39	DS	87	PHE	4.6
11	AI	7	THR	4.6
43	DW	82	LEU	4.6
6	CD	54	TYR	4.6
12	AJ	46	ARG	4.6
22	AT	9	ASN	4.5
13	CK	25	TYR	4.5
15	CM	97	PRO	4.5
12	CJ	47	PHE	4.5
11	CI	117	HIS	4.5
24	CX	345	ASP	4.5
7	CE	18	ARG	4.5
32	BI	36	ALA	4.5
25	DA	2180	U	4.5
42	DV	35	LEU	4.5
1	CA	90	C	4.5
6	AD	71	SER	4.5
11	CI	127	LYS	4.5
48	D1	32	LYS	4.5
44	DX	92	LEU	4.5
48	B1	36	GLY	4.5
27	BD	244	ARG	4.5
53	B6	14	THR	4.5
12	CJ	37	PRO	4.5
36	BP	68	GLN	4.5
30	DG	28	VAL	4.4

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Mol	Chain	Res	Type	RSRZ
36	DP	106	LEU	4.4
37	DQ	90	VAL	4.4
31	BH	167	GLU	4.4
30	DG	161	THR	4.4
6	AD	5	ILE	4.4
6	AD	69	GLY	4.4
18	CP	41	PRO	4.4
30	DG	158	ALA	4.4
31	BH	52	VAL	4.4
22	CT	79	ARG	4.4
53	D6	21	TYR	4.4
10	CH	84	ARG	4.4
19	CQ	24	GLU	4.4
33	DK	34	ILE	4.4
42	BV	70	ILE	4.4
1	CA	1127	G	4.4
46	BZ	56	VAL	4.4
1	CA	1223	C	4.4
11	AI	8	GLY	4.4
29	BF	139	PHE	4.4
34	BN	75	VAL	4.4
36	BP	29	LYS	4.4
3	AV	15	A	4.4
11	CI	115	GLY	4.4
2	CZ	17	C	4.4
33	DK	7	VAL	4.3
16	CN	31	ARG	4.3
36	BP	110	TYR	4.3
53	B6	21	TYR	4.3
54	D7	47	ARG	4.3
30	BG	39	ILE	4.3
38	DR	3	HIS	4.3
1	AA	81	G	4.3
55	B8	37	SER	4.3
11	CI	41	VAL	4.3
5	CC	162	GLN	4.3
25	DA	2122	U	4.3
37	DQ	139	GLU	4.3
12	CJ	71	LEU	4.3
31	BH	50	VAL	4.3
39	DS	20	ARG	4.3
34	DN	141	LYS	4.3

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Mol	Chain	Res	Type	RSRZ
15	AM	4	ILE	4.3
24	AX	345	ASP	4.3
27	DD	236	GLY	4.3
23	AU	9	ARG	4.3
11	AI	127	LYS	4.3
25	DA	1130	U	4.3
29	BF	85	GLY	4.3
38	BR	2	ARG	4.2
45	BY	53	PRO	4.2
25	BA	1084	A	4.2
28	BE	204	ALA	4.2
25	DA	277	C	4.2
28	DE	128	SER	4.2
7	AE	45	PHE	4.2
48	D1	36	GLY	4.2
54	B7	33	ARG	4.2
36	DP	76	LYS	4.2
6	AD	32	ALA	4.2
1	CA	1280	A	4.2
39	BS	27	SER	4.2
6	CD	77	ASN	4.2
11	CI	79	LEU	4.2
39	BS	29	PHE	4.2
39	DS	30	ARG	4.2
3	AV	24	A	4.2
14	AL	46	LYS	4.2
55	B8	35	GLN	4.2
28	DE	159	HIS	4.2
45	DY	3	VAL	4.2
55	B8	34	TRP	4.2
16	AN	31	ARG	4.2
30	DG	84	LYS	4.2
34	BN	90	LEU	4.2
41	DU	22	LYS	4.2
48	B1	19	GLN	4.1
6	CD	76	ARG	4.1
36	BP	79	ARG	4.1
28	DE	124	GLY	4.1
53	B6	52	VAL	4.1
54	B7	46	VAL	4.1
30	BG	72	ARG	4.1
47	D0	20	ARG	4.1

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Mol	Chain	Res	Type	RSRZ
16	CN	13	THR	4.1
27	DD	40	THR	4.1
39	DS	108	GLY	4.1
39	DS	85	VAL	4.1
28	DE	77	ILE	4.1
17	CO	68	ARG	4.1
45	BY	33	LYS	4.1
48	B1	20	ARG	4.1
52	D5	3	LYS	4.1
36	BP	104	GLY	4.1
9	CG	85	TYR	4.1
52	B5	24	ALA	4.1
38	BR	42	LYS	4.1
45	BY	77	PRO	4.1
9	AG	84	ASN	4.1
40	DT	1	MET	4.1
4	CB	73	THR	4.1
11	AI	109	VAL	4.1
18	CP	29	ASP	4.1
33	DK	8	VAL	4.1
46	DZ	86	VAL	4.1
46	DZ	87	ASP	4.1
6	AD	73	ARG	4.1
36	DP	33	ARG	4.1
28	DE	53	PRO	4.1
1	CA	80	G	4.1
12	AJ	71	LEU	4.1
24	AX	174	GLU	4.0
53	B6	42	TRP	4.0
43	DW	94	ASP	4.0
11	AI	15	ALA	4.0
46	DZ	80	ARG	4.0
47	D0	74	ARG	4.0
15	CM	87	TYR	4.0
12	AJ	8	LEU	4.0
39	DS	91	PRO	4.0
34	DN	124	HIS	4.0
1	CA	1222	G	4.0
7	CE	82	VAL	4.0
25	DA	2152	G	4.0
39	DS	28	VAL	4.0
23	CU	6	ARG	4.0

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Mol	Chain	Res	Type	RSRZ
10	CH	97	VAL	4.0
13	CK	122	LYS	4.0
33	DK	111	LYS	4.0
36	BP	88	LEU	4.0
34	DN	92	GLN	4.0
45	DY	2	ARG	4.0
6	CD	2	GLY	4.0
5	AC	84	ILE	4.0
28	DE	195	LEU	4.0
23	AU	10	ARG	4.0
25	BA	615	G	4.0
45	BY	10	GLY	4.0
37	DQ	105	GLU	4.0
4	CB	215	LEU	4.0
33	DK	27	LEU	4.0
39	DS	18	ILE	4.0
44	DX	66	LEU	4.0
21	AS	36	ARG	3.9
37	DQ	18	LYS	3.9
21	AS	41	VAL	3.9
30	BG	3	LEU	3.9
43	BW	82	LEU	3.9
47	B0	75	LEU	3.9
31	DH	167	GLU	3.9
25	BA	34	C	3.9
16	AN	58	LYS	3.9
52	B5	10	LYS	3.9
41	DU	117	GLN	3.9
12	CJ	74	ILE	3.9
38	BR	98	LEU	3.9
33	DK	17	ALA	3.9
10	CH	132	GLU	3.9
36	BP	74	GLU	3.9
25	DA	2629	A	3.9
15	CM	27	LYS	3.9
30	DG	36	LYS	3.9
39	DS	29	PHE	3.9
46	DZ	72	ARG	3.9
37	DQ	83	MET	3.9
6	AD	112	VAL	3.9
13	AK	13	GLN	3.9
25	BA	1781	C	3.9

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Mol	Chain	Res	Type	RSRZ
11	AI	102	LEU	3.9
36	DP	109	GLY	3.9
40	DT	50	ILE	3.9
53	B6	12	GLU	3.9
13	AK	121	PRO	3.9
14	AL	20	LYS	3.9
39	DS	53	SER	3.9
6	CD	203	VAL	3.9
36	BP	35	HIS	3.9
34	DN	25	LYS	3.9
50	D3	17	LYS	3.9
6	AD	115	ARG	3.9
43	DW	92	ARG	3.9
2	AZ	36	U	3.9
38	BR	3	HIS	3.9
8	CF	95	GLU	3.8
44	DX	52	VAL	3.8
24	CX	82	LEU	3.8
27	BD	236	GLY	3.8
29	BF	146	ALA	3.8
34	BN	60	LYS	3.8
41	BU	97	ASP	3.8
21	AS	5	LEU	3.8
36	DP	70	GLN	3.8
1	CA	982	U	3.8
25	BA	1205	U	3.8
25	DA	2116	G	3.8
4	CB	55	PHE	3.8
31	DH	12	PRO	3.8
32	DI	12	LEU	3.8
24	CX	331	LYS	3.8
32	BI	2	LYS	3.8
41	DU	15	LYS	3.8
7	AE	14	ARG	3.8
39	BS	55	ALA	3.8
24	CX	253	GLN	3.8
1	CA	85	U	3.8
2	CZ	36	U	3.8
37	DQ	132	VAL	3.8
45	BY	51	VAL	3.8
24	AX	235	LEU	3.8
49	D2	16	LEU	3.8

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Mol	Chain	Res	Type	RSRZ
16	CN	17	LYS	3.8
42	BV	91	TYR	3.8
22	CT	106	ALA	3.8
27	BD	42	GLY	3.8
49	B2	9	GLN	3.8
28	DE	51	PHE	3.8
23	AU	14	TRP	3.8
41	DU	90	VAL	3.8
14	CL	26	LEU	3.8
13	CK	91	ARG	3.8
16	CN	12	ARG	3.8
36	DP	65	ARG	3.8
9	AG	82	GLY	3.8
30	DG	31	VAL	3.7
15	CM	113	PRO	3.7
54	B7	42	LEU	3.7
12	CJ	38	ILE	3.7
33	DK	52	ILE	3.7
22	CT	59	ALA	3.7
2	CZ	33	U	3.7
9	AG	109	ASN	3.7
34	BN	68	ASN	3.7
10	CH	93	VAL	3.7
22	AT	104	LEU	3.7
22	CT	72	LEU	3.7
24	CX	86	LEU	3.7
40	DT	99	LEU	3.7
4	CB	137	ARG	3.7
9	CG	3	ARG	3.7
15	AM	99	ARG	3.7
44	DX	68	ARG	3.7
1	AA	1221	G	3.7
25	BA	2120	G	3.7
25	BA	2541	A	3.7
31	BH	18	GLU	3.7
5	CC	76	VAL	3.7
6	CD	62	GLN	3.7
12	CJ	59	SER	3.7
22	CT	11	SER	3.7
28	BE	60	ASN	3.7
45	DY	56	PRO	3.7
50	D3	29	ARG	3.7

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Mol	Chain	Res	Type	RSRZ
7	CE	83	GLU	3.7
50	D3	38	GLU	3.7
11	CI	106	ALA	3.7
9	CG	153	HIS	3.7
46	DZ	107	THR	3.7
18	CP	1	MET	3.7
25	DA	2181	G	3.7
33	DK	9	LYS	3.7
50	B3	59	VAL	3.7
25	DA	2167	U	3.7
33	DK	78	ILE	3.7
25	DA	1102	C	3.7
46	DZ	89	PHE	3.7
30	BG	84	LYS	3.7
33	DK	10	LEU	3.7
6	CD	73	ARG	3.7
24	CX	318	ILE	3.7
42	BV	90	PRO	3.7
55	D8	34	TRP	3.7
25	BA	2321	G	3.7
19	AQ	24	GLU	3.6
11	CI	33	PHE	3.6
38	BR	10	LEU	3.6
54	B7	22	MET	3.6
10	CH	95	VAL	3.6
53	D6	49	HIS	3.6
22	AT	103	GLY	3.6
12	CJ	51	ARG	3.6
24	CX	343	ARG	3.6
25	DA	2112	G	3.6
25	DA	2318	G	3.6
30	BG	160	VAL	3.6
38	DR	107	ASP	3.6
9	AG	106	GLN	3.6
1	CA	1503	A	3.6
34	BN	138	ARG	3.6
43	BW	78	GLU	3.6
43	BW	92	ARG	3.6
15	AM	43	THR	3.6
25	DA	614	U	3.6
25	DA	2332	U	3.6
7	AE	129	ILE	3.6

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Mol	Chain	Res	Type	RSRZ
24	AX	133	ILE	3.6
25	DA	2121	G	3.6
41	BU	91	ASP	3.6
25	BA	2798	C	3.6
36	DP	29	LYS	3.6
53	B6	22	ALA	3.6
10	CH	130	GLY	3.6
24	CX	248	SER	3.6
5	AC	103	VAL	3.6
22	AT	51	GLU	3.6
28	BE	163	GLU	3.6
14	CL	12	LYS	3.6
30	DG	67	LYS	3.6
50	B3	20	LYS	3.6
53	D6	42	TRP	3.6
33	DK	6	ALA	3.6
6	CD	64	LEU	3.6
10	AH	133	LEU	3.6
22	CT	84	LEU	3.6
34	BN	136	GLY	3.6
8	CF	90	VAL	3.6
5	CC	44	GLU	3.6
5	CC	90	GLU	3.6
24	AX	347	GLU	3.6
29	DF	169	ASN	3.6
10	CH	100	ILE	3.6
15	CM	4	ILE	3.6
54	B7	4	THR	3.6
18	CP	31	LYS	3.6
21	CS	55	LYS	3.6
31	BH	170	ARG	3.5
5	CC	91	LEU	3.5
47	B0	71	ASP	3.5
27	BD	12	SER	3.5
30	BG	88	ILE	3.5
26	DB	88	C	3.5
39	DS	93	LYS	3.5
1	AA	1224	G	3.5
28	DE	58	ARG	3.5
10	CH	119	LEU	3.5
32	DI	31	LEU	3.5
42	BV	76	LYS	3.5

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Mol	Chain	Res	Type	RSRZ
18	CP	39	TYR	3.5
19	CQ	26	GLN	3.5
45	DY	57	GLN	3.5
13	CK	84	VAL	3.5
54	B7	2	LYS	3.5
55	B8	36	LYS	3.5
14	CL	61	SER	3.5
25	DA	1535	U	3.5
14	CL	63	TYR	3.5
22	CT	75	ASN	3.5
24	CX	45	ARG	3.5
36	BP	65	ARG	3.5
10	CH	133	LEU	3.5
11	CI	40	LEU	3.5
15	CM	109	THR	3.5
33	DK	40	ALA	3.5
13	AK	124	LYS	3.5
22	CT	21	LYS	3.5
25	DA	2179	C	3.5
41	DU	80	ILE	3.5
42	BV	78	LYS	3.5
43	BW	4	LYS	3.5
9	CG	79	ARG	3.5
13	CK	24	SER	3.5
44	BX	92	LEU	3.5
42	BV	68	LYS	3.5
4	CB	214	ILE	3.5
31	BH	136	ILE	3.5
41	BU	58	ARG	3.5
41	BU	59	ARG	3.5
12	AJ	64	GLU	3.4
14	CL	51	LEU	3.4
16	CN	6	LEU	3.4
25	BA	2568	C	3.4
29	BF	33	LEU	3.4
15	AM	87	TYR	3.4
48	D1	8	SER	3.4
44	DX	84	ALA	3.4
13	AK	14	VAL	3.4
38	DR	73	VAL	3.4
45	BY	45	VAL	3.4
37	DQ	24	GLY	3.4

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Mol	Chain	Res	Type	RSRZ
25	BA	2797	U	3.4
55	D8	36	LYS	3.4
22	CT	63	ILE	3.4
32	DI	33	ARG	3.4
24	CX	353	ASP	3.4
5	CC	206	GLU	3.4
55	D8	54	GLU	3.4
21	AS	80	TYR	3.4
1	AA	1128	C	3.4
1	CA	1128	C	3.4
29	BF	48	THR	3.4
23	AU	2	GLY	3.4
6	CD	209	ARG	3.4
40	DT	48	ILE	3.4
47	B0	74	ARG	3.4
30	BG	120	LEU	3.4
30	DG	106	LEU	3.4
38	DR	10	LEU	3.4
7	AE	81	GLU	3.4
31	BH	40	GLU	3.4
4	AB	218	ALA	3.4
41	BU	2	PRO	3.4
39	BS	33	LYS	3.4
50	D3	59	VAL	3.4
39	BS	52	SER	3.4
44	BX	3	THR	3.4
49	D2	62	THR	3.4
6	CD	31	CYS	3.4
24	CX	53	ASN	3.4
12	AJ	50	ILE	3.4
23	AU	15	ARG	3.4
25	DA	1066	U	3.4
5	CC	161	GLU	3.4
10	AH	101	PRO	3.4
12	AJ	7	LYS	3.4
19	AQ	4	LYS	3.4
24	AX	344	HIS	3.4
27	DD	38	LYS	3.4
43	BW	97	LYS	3.4
12	AJ	63	PHE	3.4
46	BZ	96	VAL	3.4
24	CX	316	ARG	3.4

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Mol	Chain	Res	Type	RSRZ
27	DD	244	ARG	3.4
46	DZ	79	ARG	3.4
1	CA	1221	G	3.4
25	DA	1542	G	3.4
6	AD	31	CYS	3.4
15	AM	101	GLN	3.4
2	AZ	1	C	3.4
7	AE	88	LYS	3.4
9	CG	29	LYS	3.4
42	DV	85	LYS	3.4
45	BY	63	LYS	3.4
13	CK	121	PRO	3.4
30	BG	28	VAL	3.4
33	DK	19	PRO	3.4
45	BY	65	ALA	3.4
6	AD	68	TYR	3.4
14	AL	63	TYR	3.4
16	CN	57	ARG	3.4
27	DD	9	TYR	3.4
25	DA	2134	A	3.4
41	DU	94	ASN	3.3
54	B7	18	PHE	3.3
6	CD	69	GLY	3.3
11	CI	125	TYR	3.3
13	CK	75	TYR	3.3
40	BT	50	ILE	3.3
45	BY	52	SER	3.3
1	AA	977	A	3.3
1	CA	983	A	3.3
11	CI	43	ALA	3.3
6	AD	3	ARG	3.3
9	CG	5	ARG	3.3
10	CH	102	ARG	3.3
33	DK	83	GLY	3.3
25	DA	2151	G	3.3
6	CD	21	LEU	3.3
30	DG	19	LEU	3.3
39	DS	32	LEU	3.3
41	BU	51	LYS	3.3
39	BS	38	GLN	3.3
46	DZ	73	GLN	3.3
46	DZ	118	GLN	3.3

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Mol	Chain	Res	Type	RSRZ
18	CP	14	ASN	3.3
53	B6	20	ASN	3.3
13	AK	94	ALA	3.3
24	CX	349	VAL	3.3
28	BE	58	ARG	3.3
1	AA	983	A	3.3
40	DT	102	ILE	3.3
4	CB	12	GLU	3.3
24	AX	78	LEU	3.3
30	DG	74	LYS	3.3
23	CU	14	TRP	3.3
4	AB	210	SER	3.3
25	DA	2165	G	3.3
41	DU	58	ARG	3.3
45	BY	2	ARG	3.3
12	CJ	44	VAL	3.3
30	DG	160	VAL	3.3
45	BY	39	VAL	3.3
19	CQ	36	ILE	3.3
5	AC	105	GLU	3.3
10	CH	94	TYR	3.3
11	AI	66	ARG	3.3
27	BD	262	ARG	3.3
29	DF	106	ARG	3.3
9	AG	108	ALA	3.3
29	DF	193	VAL	3.3
12	AJ	98	ILE	3.3
40	DT	52	ILE	3.3
5	CC	43	LEU	3.3
7	CE	133	TYR	3.2
26	DB	52	A	3.2
6	CD	198	VAL	3.2
10	CH	129	VAL	3.2
4	CB	218	ALA	3.2
42	BV	80	GLN	3.2
15	CM	96	LEU	3.2
16	CN	15	LYS	3.2
22	CT	13	LEU	3.2
52	B5	3	LYS	3.2
1	CA	1148	U	3.2
6	CD	60	GLU	3.2
6	CD	80	GLU	3.2

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Mol	Chain	Res	Type	RSRZ
37	DQ	91	GLU	3.2
55	B8	46	ARG	3.2
1	CA	43	C	3.2
24	CX	216	THR	3.2
25	DA	2402	C	3.2
25	DA	2110	G	3.2
31	BH	17	VAL	3.2
53	D6	23	THR	3.2
11	CI	87	GLN	3.2
6	CD	135	LEU	3.2
55	D8	32	LEU	3.2
32	DI	70	GLU	3.2
36	DP	110	TYR	3.2
39	DS	94	TYR	3.2
25	DA	1033	U	3.2
34	BN	77	VAL	3.2
16	CN	16	PHE	3.2
19	CQ	37	LYS	3.2
4	AB	26	PRO	3.2
8	CF	94	GLN	3.2
11	CI	3	GLN	3.2
25	DA	2137	C	3.2
48	B1	23	LYS	3.2
40	DT	105	LEU	3.2
25	DA	10	G	3.2
8	CF	6	VAL	3.2
11	AI	65	VAL	3.2
28	DE	25	VAL	3.2
24	CX	320	TRP	3.2
9	CG	7	ALA	3.2
13	AK	74	ALA	3.2
13	CK	74	ALA	3.2
37	DQ	69	PHE	3.2
21	CS	30	LEU	3.2
30	BG	34	LEU	3.2
12	AJ	36	GLY	3.2
13	CK	88	GLY	3.2
28	DE	194	GLY	3.2
47	D0	52	GLY	3.2
10	CH	91	ARG	3.2
14	CL	88	ARG	3.2
16	AN	12	ARG	3.2

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Mol	Chain	Res	Type	RSRZ
28	DE	76	ARG	3.2
1	CA	984	C	3.2
25	BA	2175	C	3.2
39	DS	52	SER	3.2
1	CA	87	A	3.2
4	AB	9	GLU	3.2
4	AB	231	GLU	3.2
10	CH	123	GLU	3.2
11	CI	108	VAL	3.2
25	DA	2114	A	3.2
28	BE	7	VAL	3.2
36	BP	101	VAL	3.2
1	CA	108	G	3.2
25	BA	508	G	3.2
25	DA	615	G	3.2
13	CK	119	CYS	3.2
24	CX	171	PRO	3.1
6	CD	115	ARG	3.1
6	CD	139	ARG	3.1
11	CI	124	GLN	3.1
15	CM	95	GLY	3.1
30	BG	26	GLN	3.1
34	DN	133	GLY	3.1
42	DV	73	SER	3.1
7	AE	130	ASN	3.1
18	AP	19	ILE	3.1
53	B6	34	LEU	3.1
49	B2	62	THR	3.1
11	AI	9	ARG	3.1
18	CP	26	ARG	3.1
5	AC	2	GLY	3.1
25	DA	275	G	3.1
45	BY	22	GLY	3.1
25	DA	2118	U	3.1
28	DE	127	ASP	3.1
43	BW	94	ASP	3.1
8	AF	92	LYS	3.1
37	BQ	22	LYS	3.1
12	AJ	59	SER	3.1
27	DD	12	SER	3.1
12	CJ	20	ALA	3.1
37	BQ	20	ALA	3.1

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Mol	Chain	Res	Type	RSRZ
32	BI	38	LEU	3.1
5	AC	77	ILE	3.1
23	CU	17	THR	3.1
1	AA	1129	C	3.1
30	DG	2	PRO	3.1
31	BH	36	PRO	3.1
45	BY	66	PRO	3.1
23	AU	16	GLY	3.1
1	CA	977	A	3.1
17	CO	48	LYS	3.1
38	DR	69	ASP	3.1
4	AB	13	ALA	3.1
6	CD	207	TYR	3.1
11	CI	110	GLU	3.1
32	DI	9	LEU	3.1
33	BK	130	SER	3.1
5	AC	179	ARG	3.1
9	CG	4	ARG	3.1
16	AN	13	THR	3.1
24	AX	173	PRO	3.1
31	BH	12	PRO	3.1
10	CH	131	GLY	3.1
42	DV	48	GLY	3.1
24	CX	117	GLN	3.1
29	BF	36	VAL	3.1
33	BK	7	VAL	3.1
33	DK	23	VAL	3.1
53	D6	52	VAL	3.1
31	BH	71	LEU	3.1
24	CX	351	ASP	3.1
4	AB	137	ARG	3.1
34	BN	142	ARG	3.1
11	AI	110	GLU	3.1
6	AD	2	GLY	3.1
25	DA	2115	G	3.1
28	BE	24	THR	3.1
28	DE	8	LYS	3.1
30	BG	86	MET	3.1
53	D6	9	LEU	3.1
6	CD	14	ARG	3.1
39	BS	15	ARG	3.1
39	BS	51	ALA	3.1

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Mol	Chain	Res	Type	RSRZ
47	B0	72	ARG	3.1
47	D0	85	ALA	3.1
43	BW	95	ILE	3.1
25	DA	2527	C	3.1
26	DB	45	A	3.0
40	DT	104	ASN	3.0
33	BK	9	LYS	3.0
55	B8	29	LYS	3.0
11	CI	64	THR	3.0
7	AE	19	MET	3.0
30	DG	178	PHE	3.0
38	DR	54	LEU	3.0
24	CX	70	ARG	3.0
6	CD	67	ILE	3.0
24	CX	377	ALA	3.0
5	CC	167	TRP	3.0
14	AL	125	LYS	3.0
34	BN	107	LYS	3.0
46	DZ	78	LYS	3.0
25	DA	2136	C	3.0
45	BY	32	PRO	3.0
34	DN	66	THR	3.0
45	DY	51	VAL	3.0
12	CJ	66	ARG	3.0
22	AT	86	ARG	3.0
36	DP	7	ARG	3.0
6	AD	26	CYS	3.0
7	AE	13	ILE	3.0
27	BD	272	ALA	3.0
28	DE	187	ALA	3.0
31	BH	72	ILE	3.0
43	DW	98	LYS	3.0
31	BH	32	GLU	3.0
12	AJ	37	PRO	3.0
25	BA	11	G	3.0
48	B1	28	GLY	3.0
31	BH	38	SER	3.0
30	DG	37	VAL	3.0
32	BI	3	VAL	3.0
34	BN	66	THR	3.0
10	AH	2	LEU	3.0
16	CN	35	ARG	3.0

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Mol	Chain	Res	Type	RSRZ
24	AX	279	ARG	3.0
29	DF	44	ARG	3.0
33	DK	12	LEU	3.0
2	CZ	75	C	3.0
11	CI	84	ALA	3.0
12	AJ	4	ILE	3.0
14	AL	19	LYS	3.0
36	DP	108	LYS	3.0
24	AX	320	TRP	3.0
27	BD	181	GLU	3.0
37	DQ	80	GLU	3.0
12	AJ	52	GLY	3.0
47	D0	13	GLY	3.0
5	CC	68	VAL	3.0
24	CX	315	VAL	3.0
33	BK	77	LEU	3.0
39	DS	17	ARG	3.0
40	BT	115	ARG	3.0
1	CA	1002	G	3.0
5	AC	100	ALA	3.0
12	CJ	4	ILE	3.0
12	CJ	50	ILE	3.0
25	BA	2115	G	3.0
31	BH	111	HIS	3.0
43	BW	98	LYS	3.0
53	B6	49	HIS	3.0
9	CG	154	TYR	3.0
39	DS	36	TYR	3.0
53	D6	39	TYR	3.0
18	AP	1	MET	3.0
25	DA	1198	U	3.0
50	B3	38	GLU	3.0
23	CU	24	ARG	3.0
5	AC	175	LEU	3.0
17	AO	57	LEU	3.0
7	AE	5	ASP	3.0
24	AX	243	ASP	3.0
41	BU	56	ASP	3.0
40	BT	106	SER	3.0
12	AJ	38	ILE	3.0
16	CN	30	ALA	3.0
18	CP	7	ALA	3.0

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Mol	Chain	Res	Type	RSRZ
14	CL	46	LYS	2.9
1	CA	631	G	2.9
16	AN	34	TYR	2.9
25	DA	2133	G	2.9
5	CC	25	GLY	2.9
18	CP	30	GLY	2.9
33	DK	79	ARG	2.9
43	BW	84	ARG	2.9
1	CA	1398	A	2.9
1	CA	1531	A	2.9
25	DA	2135	A	2.9
26	DB	58	A	2.9
21	CS	77	THR	2.9
33	BK	99	ILE	2.9
27	DD	258	LYS	2.9
39	BS	37	ALA	2.9
45	BY	101	LYS	2.9
21	CS	65	ASN	2.9
34	BN	92	GLN	2.9
38	DR	71	GLN	2.9
9	AG	79	ARG	2.9
10	CH	18	ARG	2.9
31	BH	60	ARG	2.9
39	DS	15	ARG	2.9
5	CC	80	GLY	2.9
24	CX	321	GLY	2.9
33	DK	76	TYR	2.9
4	CB	187	LEU	2.9
21	AS	71	LEU	2.9
34	DN	131	PRO	2.9
37	DQ	97	VAL	2.9
16	CN	58	LYS	2.9
46	DZ	53	ILE	2.9
1	CA	390	C	2.9
13	CK	94	ALA	2.9
1	AA	994	A	2.9
1	CA	1041	A	2.9
23	CU	5	ASP	2.9
48	B1	8	SER	2.9
40	BT	2	ASN	2.9
5	CC	176	HIS	2.9
14	AL	40	ARG	2.9

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Mol	Chain	Res	Type	RSRZ
17	CO	88	ARG	2.9
24	CX	59	ARG	2.9
19	CQ	35	VAL	2.9
32	BI	6	LEU	2.9
36	DP	45	LEU	2.9
31	DH	157	TYR	2.9
37	BQ	18	LYS	2.9
33	DK	45	THR	2.9
15	AM	104	ARG	2.9
18	CP	71	ARG	2.9
33	DK	11	GLN	2.9
2	CZ	18	G	2.9
24	AX	89	MET	2.9
25	BA	896	A	2.9
26	DB	6	C	2.9
26	DB	103	U	2.9
25	BA	2123	G	2.9
25	DA	1743	G	2.9
39	BS	34	HIS	2.9
33	BK	115	LEU	2.9
45	BY	14	LEU	2.9
15	CM	53	VAL	2.9
22	CT	98	PRO	2.9
30	DG	25	TYR	2.9
34	DN	106	LYS	2.9
46	DZ	29	TYR	2.9
39	DS	35	ILE	2.9
11	CI	119	ALA	2.9
22	CT	64	ASP	2.9
32	DI	35	LEU	2.9
35	BO	28	SER	2.9
36	DP	81	GLN	2.9
5	CC	178	LEU	2.9
21	CS	66	MET	2.9
30	DG	176	LEU	2.9
15	AM	117	VAL	2.9
31	BH	135	GLY	2.9
33	BK	23	VAL	2.9
36	DP	9	ASN	2.9
5	CC	26	LYS	2.9
17	CO	2	PRO	2.9
31	BH	25	LYS	2.9

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Mol	Chain	Res	Type	RSRZ
37	BQ	99	PRO	2.9
46	BZ	78	LYS	2.9
25	BA	1963	U	2.9
2	CZ	76	A	2.9
25	DA	2178	C	2.9
25	DA	2297	C	2.9
30	DG	11	TYR	2.9
11	AI	18	PHE	2.9
11	CI	63	ILE	2.9
21	CS	10	PHE	2.9
33	DK	101	TRP	2.9
47	D0	69	PHE	2.9
1	CA	331	G	2.8
22	CT	60	GLU	2.8
24	CX	90	GLU	2.8
16	AN	59	ALA	2.8
26	BB	18	G	2.8
5	CC	30	ARG	2.8
36	DP	41	ARG	2.8
24	AX	257	THR	2.8
34	DN	26	THR	2.8
9	AG	12	LEU	2.8
12	CJ	85	LEU	2.8
15	CM	117	VAL	2.8
21	AS	38	SER	2.8
30	DG	78	SER	2.8
48	D1	30	VAL	2.8
9	AG	37	ASN	2.8
30	DG	32	PRO	2.8
4	CB	148	TYR	2.8
9	CG	151	TYR	2.8
37	DQ	104	PHE	2.8
1	AA	82	U	2.8
24	AX	300	GLU	2.8
24	CX	158	GLU	2.8
25	BA	1066	U	2.8
25	DA	362	U	2.8
33	DK	82	ALA	2.8
1	AA	1236	A	2.8
25	BA	2179	C	2.8
36	BP	138	LEU	2.8
49	B2	10	LEU	2.8

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Mol	Chain	Res	Type	RSRZ
10	AH	95	VAL	2.8
10	CH	126	LYS	2.8
25	BA	1215	G	2.8
25	DA	363(A)	G	2.8
32	BI	21	VAL	2.8
23	AU	5	ASP	2.8
24	AX	313	GLY	2.8
6	CD	5	ILE	2.8
13	CK	117	ASN	2.8
5	CC	29	TYR	2.8
5	CC	160	ALA	2.8
11	AI	106	ALA	2.8
12	CJ	43	ARG	2.8
22	AT	22	ARG	2.8
22	CT	76	ALA	2.8
33	DK	123	ALA	2.8
43	DW	90	ARG	2.8
49	D2	14	ARG	2.8
24	CX	305	GLU	2.8
24	AX	86	LEU	2.8
32	BI	5	LEU	2.8
34	BN	56	LEU	2.8
21	CS	70	LYS	2.8
30	BG	36	LYS	2.8
30	BG	67	LYS	2.8
44	BX	45	THR	2.8
2	CZ	1	C	2.8
25	DA	1092	C	2.8
25	DA	1536	A	2.8
26	DB	46	A	2.8
6	AD	70	ILE	2.8
6	CD	7	PRO	2.8
6	CD	37	PRO	2.8
18	AP	71	ARG	2.8
1	CA	973	G	2.8
34	BN	54	ALA	2.8
44	BX	38	GLU	2.8
5	AC	4	LYS	2.8
23	CU	25	LYS	2.8
41	BU	18	LEU	2.8
49	D2	10	LEU	2.8
6	AD	33	MET	2.8

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Mol	Chain	Res	Type	RSRZ
37	BQ	83	MET	2.8
13	CK	14	VAL	2.8
15	CM	116	THR	2.8
30	DG	162	THR	2.8
1	CA	950	U	2.8
11	CI	80	GLY	2.8
15	AM	113	PRO	2.8
41	BU	80	ILE	2.8
1	CA	968	A	2.8
1	CA	1321	C	2.8
6	CD	66	ARG	2.8
13	CK	12	ARG	2.8
25	BA	116	C	2.8
25	BA	806	C	2.8
7	AE	21	ALA	2.8
18	CP	11	SER	2.8
40	DT	2	ASN	2.8
7	CE	31	LEU	2.8
7	CE	81	GLU	2.8
13	AK	51	LYS	2.8
22	AT	72	LEU	2.8
31	BH	58	GLU	2.8
33	DK	16	LYS	2.8
38	BR	4	LEU	2.8
5	CC	207	VAL	2.8
32	BI	145	VAL	2.8
33	DK	18	THR	2.8
48	D1	34	THR	2.8
7	CE	27	ARG	2.7
12	CJ	54	PHE	2.8
10	CH	89	PRO	2.7
47	B0	17	GLN	2.7
55	D8	57	ARG	2.7
25	DA	2113	U	2.7
29	BF	172	TRP	2.7
2	AZ	76	A	2.7
14	AL	26	LEU	2.7
30	DG	173	LEU	2.7
33	BK	27	LEU	2.7
34	BN	135	LEU	2.7
6	AD	72	GLU	2.7
37	BQ	91	GLU	2.7

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Mol	Chain	Res	Type	RSRZ
6	CD	170	VAL	2.7
30	DG	159	VAL	2.7
18	CP	25	ARG	2.7
29	DF	207	GLY	2.7
31	BH	68	THR	2.7
30	BG	178	PHE	2.7
39	DS	97	ARG	2.7
43	DW	95	ILE	2.7
18	CP	15	PRO	2.7
24	CX	163	GLN	2.7
52	D5	5	PRO	2.7
55	B8	53	PRO	2.7
1	AA	570	G	2.7
5	CC	71	ALA	2.7
9	AG	83	ALA	2.7
47	D0	18	ALA	2.7
4	AB	133	LYS	2.7
22	CT	29	LYS	2.7
36	BP	76	LYS	2.7
52	D5	9	LYS	2.7
15	CM	19	LEU	2.7
24	CX	88	LEU	2.7
28	DE	151	TYR	2.7
29	DF	99	TYR	2.7
55	D8	62	LEU	2.7
33	BK	56	GLU	2.7
36	DP	71	VAL	2.7
55	D8	56	GLU	2.7
25	DA	1103	A	2.7
25	DA	2320	A	2.7
1	CA	88	C	2.7
1	CA	1149	C	2.7
9	AG	115	ARG	2.7
17	CO	54	ARG	2.7
22	AT	83	ARG	2.7
25	DA	2111	C	2.7
29	DF	72	ARG	2.7
13	AK	118	GLY	2.7
45	BY	41	GLY	2.7
47	B0	13	GLY	2.7
40	DT	22	PHE	2.7
7	CE	128	PRO	2.7

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Mol	Chain	Res	Type	RSRZ
17	AO	48	LYS	2.7
34	DN	54	ALA	2.7
11	CI	102	LEU	2.7
36	DP	105	LEU	2.7
23	AU	18	TYR	2.7
9	CG	33	ASP	2.7
46	BZ	74	VAL	2.7
46	DZ	90	VAL	2.7
25	DA	2132	U	2.7
49	D2	40	SER	2.7
1	AA	466	G	2.7
1	CA	44	G	2.7
6	CD	81	GLU	2.7
21	AS	81	ARG	2.7
25	BA	2567	G	2.7
36	BP	41	ARG	2.7
4	CB	163	PHE	2.7
21	AS	68	GLY	2.7
45	BY	60	PHE	2.7
5	AC	73	PRO	2.7
6	CD	61	LYS	2.7
24	CX	309	LYS	2.7
25	BA	276	A	2.7
25	DA	1084	A	2.7
53	D6	38	LYS	2.7
22	AT	106	ALA	2.7
24	CX	18	ALA	2.7
36	DP	150	ALA	2.7
2	AY	51	C	2.7
2	CZ	32	C	2.7
25	BA	2540	C	2.7
26	DB	28	C	2.7
42	BV	11	GLN	2.7
24	CX	23	TRP	2.7
23	CU	18	TYR	2.7
5	CC	66	VAL	2.7
24	CX	61	VAL	2.7
29	BF	183	VAL	2.7
12	AJ	43	ARG	2.7
30	DG	95	ARG	2.7
12	CJ	64	GLU	2.7
34	BN	73	ASP	2.7

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Mol	Chain	Res	Type	RSRZ
6	CD	204	ILE	2.7
48	D1	67	ILE	2.7
6	AD	6	GLY	2.7
29	BF	86	GLY	2.7
30	DG	80	PHE	2.7
12	CJ	99	LYS	2.7
34	BN	52	LYS	2.7
34	BN	67	PRO	2.7
4	AB	215	LEU	2.7
7	CE	123	LEU	2.7
25	BA	545	G	2.7
36	DP	35	HIS	2.7
36	DP	67	MET	2.7
1	CA	985	C	2.7
16	AN	19	ARG	2.7
39	DS	89	ARG	2.7
42	BV	21	ARG	2.7
47	D0	41	ARG	2.7
48	D1	61	ARG	2.7
12	AJ	74	ILE	2.6
5	AC	183	ASP	2.6
21	CS	38	SER	2.6
34	BN	112	LYS	2.6
36	BP	109	GLY	2.6
45	DY	47	LYS	2.6
9	CG	148	ASN	2.6
28	DE	192	ASN	2.6
39	DS	16	ASN	2.6
24	CX	317	PRO	2.6
1	CA	992	U	2.6
5	AC	71	ALA	2.6
33	DK	14	ALA	2.6
33	DK	54	PRO	2.6
10	CH	3	THR	2.6
41	BU	60	LEU	2.6
25	BA	1083	U	2.6
25	DA	1105	U	2.6
25	DA	1963	U	2.6
28	BE	159	HIS	2.6
34	BN	124	HIS	2.6
24	AX	233	VAL	2.6
24	CX	166	VAL	2.6

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Mol	Chain	Res	Type	RSRZ
50	B3	29	ARG	2.6
54	D7	23	ARG	2.6
18	CP	32	TYR	2.6
25	BA	117	G	2.6
1	AA	1286	A	2.6
25	BA	981	A	2.6
25	BA	1494	A	2.6
11	CI	18	PHE	2.6
12	CJ	35	SER	2.6
25	DA	2803	C	2.6
7	AE	123	LEU	2.6
9	CG	38	LEU	2.6
10	CH	112	LEU	2.6
12	AJ	65	LEU	2.6
33	DK	105	LEU	2.6
21	CS	59	PRO	2.6
28	BE	187	ALA	2.6
42	BV	77	ALA	2.6
33	BK	69	THR	2.6
4	AB	175	ARG	2.6
18	AP	65	GLN	2.6
38	DR	68	ARG	2.6
1	AA	1219	U	2.6
9	CG	9	VAL	2.6
49	D2	6	VAL	2.6
11	CI	116	LYS	2.6
22	AT	39	LYS	2.6
22	CT	14	LYS	2.6
4	CB	41	ILE	2.6
6	CD	93	PHE	2.6
24	AX	176	GLY	2.6
45	BY	62	GLU	2.6
45	DY	29	GLU	2.6
2	CZ	37	A	2.6
1	CA	79	G	2.6
1	CA	1190	G	2.6
24	CX	55	PRO	2.6
26	BB	52	A	2.6
26	DB	59	A	2.6
31	BH	134	SER	2.6
47	B0	16	SER	2.6
25	BA	1087	G	2.6

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Mol	Chain	Res	Type	RSRZ
7	AE	24	ARG	2.6
18	CP	28	ARG	2.6
25	BA	2520	C	2.6
33	DK	48	MET	2.6
21	CS	67	VAL	2.6
46	DZ	56	VAL	2.6
15	CM	101	GLN	2.6
33	DK	110	GLN	2.6
31	BH	140	LYS	2.6
48	D1	33	LYS	2.6
12	CJ	6	ILE	2.6
30	DG	102	PHE	2.6
5	CC	9	GLY	2.6
9	CG	81	GLY	2.6
37	DQ	33	GLY	2.6
7	CE	139	LEU	2.6
11	CI	19	LEU	2.6
21	CS	15	LEU	2.6
24	CX	341	LEU	2.6
15	AM	32	GLU	2.6
40	DT	11	GLU	2.6
4	AB	232	PRO	2.6
22	CT	25	ARG	2.6
24	AX	315	VAL	2.6
36	DP	30	THR	2.6
46	DZ	96	VAL	2.6
25	DA	899	A	2.6
26	DB	53	A	2.6
5	AC	162	GLN	2.6
7	CE	20	GLN	2.6
1	AA	108	G	2.6
1	CA	366	C	2.6
1	CA	1325	C	2.6
25	BA	2112	G	2.6
26	DB	51	G	2.6
49	D2	37	PHE	2.6
7	AE	22	GLY	2.6
17	CO	66	LEU	2.6
33	DK	84	LEU	2.6
45	DY	67	LEU	2.6
47	D0	21	LEU	2.6
48	D1	9	GLY	2.6

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Mol	Chain	Res	Type	RSRZ
21	AS	75	ALA	2.6
37	DQ	28	ALA	2.6
21	CS	9	VAL	2.6
33	DK	53	VAL	2.6
18	CP	68	ASP	2.6
28	DE	92	THR	2.6
53	D6	20	ASN	2.6
10	CH	109	ILE	2.5
45	BY	44	ILE	2.5
6	CD	11	LEU	2.5
26	DB	29	A	2.5
26	DB	57	A	2.5
44	DX	69	TYR	2.5
46	DZ	91	LEU	2.5
37	BQ	19	GLY	2.5
1	CA	330	C	2.5
16	CN	29	ARG	2.5
24	AX	18	ALA	2.5
24	AX	312	ARG	2.5
39	BS	17	ARG	2.5
4	CB	183	PRO	2.5
6	CD	165	MET	2.5
14	CL	44	PRO	2.5
25	BA	830	G	2.5
30	BG	87	PRO	2.5
53	D6	12	GLU	2.5
1	CA	89	U	2.5
18	AP	27	LYS	2.5
30	DG	8	LYS	2.5
31	DH	52	VAL	2.5
31	DH	153	LYS	2.5
6	CD	9	CYS	2.5
15	CM	103	THR	2.5
27	BD	40	THR	2.5
30	DG	76	SER	2.5
46	DZ	85	HIS	2.5
55	B8	41	ILE	2.5
29	DF	40	GLN	2.5
40	DT	43	GLN	2.5
16	AN	53	LEU	2.5
31	BH	109	PHE	2.5
23	CU	21	TYR	2.5

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Mol	Chain	Res	Type	RSRZ
21	AS	8	GLY	2.5
17	AO	54	ARG	2.5
50	B3	25	ALA	2.5
6	CD	40	PRO	2.5
6	CD	151	LYS	2.5
19	CQ	100	LYS	2.5
39	DS	33	LYS	2.5
6	CD	8	VAL	2.5
33	BK	104	VAL	2.5
1	CA	979	C	2.5
1	CA	136(B)	C	2.5
25	DA	1078	U	2.5
24	CX	330	ASP	2.5
25	DA	2166	G	2.5
26	DB	76	G	2.5
5	AC	101	LEU	2.5
11	AI	124	GLN	2.5
24	AX	88	LEU	2.5
29	BF	140	LEU	2.5
30	BG	29	TRP	2.5
46	DZ	33	LEU	2.5
10	AH	131	GLY	2.5
10	CH	90	GLY	2.5
14	CL	28	GLY	2.5
23	AU	21	TYR	2.5
40	DT	25	GLY	2.5
40	DT	93	ARG	2.5
46	DZ	26	GLY	2.5
9	CG	36	LYS	2.5
36	BP	64	LYS	2.5
38	BR	9	LYS	2.5
4	CB	141	GLU	2.5
46	DZ	97	GLU	2.5
5	CC	5	ILE	2.5
12	CJ	42	THR	2.5
33	DK	67	PHE	2.5
1	AA	1260	C	2.5
1	CA	1342	C	2.5
6	AD	76	ARG	2.5
6	CD	160	GLN	2.5
14	CL	18	ARG	2.5
25	DA	2896	C	2.5

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Mol	Chain	Res	Type	RSRZ
15	CM	112	GLY	2.5
31	BH	166	GLY	2.5
16	CN	11	LYS	2.5
22	AT	38	LYS	2.5
29	DF	43	LYS	2.5
42	DV	78	LYS	2.5
44	BX	63	LYS	2.5
49	D2	15	LYS	2.5
2	AZ	18	G	2.5
25	DA	2148	G	2.5
8	AF	9	VAL	2.5
32	BI	37	VAL	2.5
46	BZ	95	PRO	2.5
37	DQ	38	GLU	2.5
46	BZ	60	GLU	2.5
49	D2	12	GLU	2.5
5	CC	47	LEU	2.5
46	BZ	91	LEU	2.5
55	B8	62	LEU	2.5
4	CB	96	ARG	2.5
4	CB	152	PHE	2.5
6	AD	75	PHE	2.5
12	CJ	63	PHE	2.5
23	CU	15	ARG	2.5
1	CA	974	A	2.5
1	CA	1201	A	2.5
6	AD	124	GLY	2.5
12	CJ	55	LYS	2.5
14	CL	16	LYS	2.5
24	CX	322	SER	2.5
6	CD	154	ASN	2.5
14	CL	7	ASN	2.5
38	DR	72	ASP	2.5
15	AM	5	ALA	2.5
15	CM	72	ALA	2.5
25	DA	271(D)	U	2.5
25	DA	974(B)	C	2.5
33	DK	55	VAL	2.5
4	AB	125	PRO	2.5
21	AS	76	PRO	2.5
29	BF	171	PRO	2.5
34	BN	111	GLU	2.5

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Mol	Chain	Res	Type	RSRZ
10	CH	111	ILE	2.4
13	CK	21	ILE	2.4
37	DQ	127	ILE	2.4
19	CQ	6	LEU	2.4
31	DH	103	LEU	2.4
39	BS	58	LEU	2.4
2	CZ	31	G	2.4
11	CI	107	ARG	2.4
15	AM	88	ARG	2.4
27	BD	239	ARG	2.4
39	DS	13	ARG	2.4
27	BD	38	LYS	2.4
39	DS	83	LYS	2.4
50	B3	24	LYS	2.4
36	BP	43	GLY	2.4
50	D3	14	GLY	2.4
39	DS	37	ALA	2.4
14	CL	17	VAL	2.4
15	CM	98	VAL	2.4
25	DA	53	A	2.4
32	BI	32	PRO	2.4
46	DZ	68	PRO	2.4
55	D8	63	PRO	2.4
12	CJ	45	ARG	2.4
14	CL	15	GLU	2.4
21	CS	36	ARG	2.4
24	AX	151	ARG	2.4
24	CX	68	LEU	2.4
33	DK	85	GLU	2.4
46	BZ	163	LEU	2.4
48	B1	61	ARG	2.4
53	B6	36	LEU	2.4
11	CI	11	LYS	2.4
45	BY	19	LYS	2.4
45	BY	46	LYS	2.4
55	D8	31	HIS	2.4
40	DT	47	GLY	2.4
24	AX	175	ALA	2.4
1	CA	391	G	2.4
1	CA	1042	G	2.4
6	CD	137	SER	2.4
19	AQ	35	VAL	2.4

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Mol	Chain	Res	Type	RSRZ
25	DA	1087	G	2.4
37	DQ	27	VAL	2.4
5	CC	3	ASN	2.4
13	CK	26	ASN	2.4
32	BI	14	ASP	2.4
36	DP	8	PRO	2.4
5	CC	175	LEU	2.4
22	CT	80	ARG	2.4
33	BK	10	LEU	2.4
34	DN	161	LEU	2.4
39	DS	26	LEU	2.4
47	B0	55	ARG	2.4
1	CA	1396	A	2.4
24	AX	64	GLU	2.4
24	AX	376	GLU	2.4
25	BA	2169	A	2.4
20	CR	88	LYS	2.4
22	CT	58	LYS	2.4
25	BA	1535	U	2.4
25	DA	958	U	2.4
26	DB	41	U	2.4
28	DE	152	LYS	2.4
25	BA	115	C	2.4
25	DA	32	C	2.4
25	DA	2798	C	2.4
22	CT	69	GLY	2.4
23	CU	4	GLY	2.4
33	DK	71	THR	2.4
36	DP	104	GLY	2.4
33	BK	123	ALA	2.4
33	DK	26	ALA	2.4
53	D6	22	ALA	2.4
9	CG	80	VAL	2.4
9	CG	110	GLN	2.4
45	DY	49	VAL	2.4
32	DI	29	TYR	2.4
37	DQ	39	PRO	2.4
6	CD	65	ARG	2.4
9	AG	20	ASP	2.4
11	CI	29	ASN	2.4
13	CK	95	ILE	2.4
33	BK	105	LEU	2.4

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Mol	Chain	Res	Type	RSRZ
41	BU	10	ARG	2.4
45	BY	31	LEU	2.4
46	DZ	117	LEU	2.4
6	CD	12	CYS	2.4
18	CP	27	LYS	2.4
30	DG	105	LYS	2.4
25	BA	2446	G	2.4
25	DA	2147	G	2.4
25	DA	2526	G	2.4
30	DG	23	PHE	2.4
55	B8	54	GLU	2.4
1	CA	1286	A	2.4
2	AZ	37	A	2.4
25	BA	126	A	2.4
25	DA	1453	A	2.4
25	DA	2799	A	2.4
18	AP	63	GLY	2.4
5	AC	167	TRP	2.4
14	AL	25	ALA	2.4
22	CT	32	ALA	2.4
22	CT	35	THR	2.4
50	D3	21	ALA	2.4
1	CA	1054	C	2.4
1	CA	1352	C	2.4
25	BA	974(B)	C	2.4
14	CL	6	ILE	2.4
24	CX	120	LEU	2.4
24	CX	169	LEU	2.4
30	DG	52	ILE	2.4
33	DK	21	PRO	2.4
41	DU	60	LEU	2.4
44	DX	70	LEU	2.4
45	BY	61	ILE	2.4
50	B3	23	LEU	2.4
53	D6	10	LEU	2.4
13	CK	123	LYS	2.4
18	AP	68	ASP	2.4
27	BD	66	ASP	2.4
41	BU	16	LYS	2.4
43	BW	16	LYS	2.4
45	DY	88	LYS	2.4
38	DR	11	ASN	2.4

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Mol	Chain	Res	Type	RSRZ
12	CJ	36	GLY	2.4
32	BI	83	ALA	2.4
40	BT	94	ALA	2.4
33	BK	18	THR	2.4
33	DK	144	VAL	2.4
46	DZ	71	VAL	2.4
25	DA	11	G	2.4
25	DA	2149	G	2.4
25	DA	2329	G	2.4
1	CA	1125	U	2.4
24	CX	276	GLN	2.4
25	BA	2799	A	2.4
25	DA	2801	A	2.4
29	BF	168	ARG	2.4
17	CO	87	ILE	2.3
31	BH	67	LEU	2.3
33	BK	34	ILE	2.3
33	DK	99	ILE	2.3
49	B2	16	LEU	2.3
50	B3	26	LEU	2.3
37	DQ	77	LYS	2.3
25	BA	2036	C	2.3
22	AT	50	GLU	2.3
33	DK	44	ALA	2.3
38	BR	97	VAL	2.3
43	DW	81	ALA	2.3
4	AB	144	ARG	2.3
6	AD	65	ARG	2.3
31	DH	60	ARG	2.3
36	DP	57	THR	2.3
40	DT	51	ARG	2.3
47	B0	10	THR	2.3
18	AP	6	LEU	2.3
4	AB	211	ILE	2.3
8	CF	8	ILE	2.3
11	CI	118	LYS	2.3
34	BN	31	GLN	2.3
48	B1	32	LYS	2.3
48	D1	48	LYS	2.3
54	B7	29	LYS	2.3
30	DG	131	TYR	2.3
44	BX	26	TYR	2.3

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Mol	Chain	Res	Type	RSRZ
1	AA	101	A	2.3
1	AA	728	A	2.3
1	AA	920	U	2.3
1	AA	1035	A	2.3
1	CA	1227	A	2.3
2	CZ	57	A	2.3
11	CI	37	PHE	2.3
25	BA	229	A	2.3
25	BA	2448	A	2.3
25	BA	2765	A	2.3
25	DA	2322	A	2.3
1	AA	1220	G	2.3
1	AA	1453	G	2.3
1	CA	1033	G	2.3
25	BA	101	G	2.3
25	BA	1642	G	2.3
25	DA	1215	G	2.3
25	DA	1325	G	2.3
25	DA	2330	G	2.3
41	DU	91	ASP	2.3
30	BG	35	GLU	2.3
25	BA	2402	C	2.3
25	BA	2896	C	2.3
25	DA	2293	C	2.3
4	CB	175	ARG	2.3
11	CI	104	ARG	2.3
22	CT	17	ARG	2.3
28	BE	76	ARG	2.3
47	D0	55	ARG	2.3
55	D8	42	ARG	2.3
6	AD	19	LEU	2.3
6	CD	22	LYS	2.3
24	AX	331	LYS	2.3
29	DF	101	LEU	2.3
41	BU	13	LYS	2.3
49	B2	15	LYS	2.3
6	CD	127	THR	2.3
30	DG	157	ILE	2.3
40	BT	48	ILE	2.3
11	AI	87	GLN	2.3
11	CI	123	PRO	2.3
14	CL	30	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
46	DZ	83	PRO	2.3
7	AE	84	PHE	2.3
25	BA	271(D)	U	2.3
27	BD	32	SER	2.3
36	BP	42	SER	2.3
39	DS	31	SER	2.3
1	CA	1394	A	2.3
15	AM	40	ASN	2.3
24	CX	319	GLU	2.3
25	BA	1536	A	2.3
25	DA	1032	A	2.3
25	DA	2476	A	2.3
26	DB	13	A	2.3
26	DB	104	A	2.3
6	CD	32	ALA	2.3
11	CI	65	VAL	2.3
15	CM	85	GLY	2.3
22	AT	95	ALA	2.3
24	CX	261	ALA	2.3
24	CX	338	ARG	2.3
33	DK	36	GLU	2.3
54	B7	45	ALA	2.3
1	AA	331	G	2.3
1	CA	1003	G	2.3
28	BE	57	LYS	2.3
42	BV	85	LYS	2.3
34	BN	122	LEU	2.3
2	AZ	32	C	2.3
2	CZ	61	C	2.3
21	CS	33	THR	2.3
24	CX	237	PRO	2.3
30	BG	80	PHE	2.3
30	DG	12	TYR	2.3
11	AI	111	ARG	2.3
22	CT	8	ARG	2.3
46	DZ	28	MET	2.3
6	AD	170	VAL	2.3
11	CI	67	GLY	2.3
11	CI	68	GLY	2.3
16	CN	10	ALA	2.3
33	BK	102	GLU	2.3
37	BQ	102	VAL	2.3

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Mol	Chain	Res	Type	RSRZ
1	CA	5	U	2.3
5	CC	12	LEU	2.3
11	CI	105	ASP	2.3
12	CJ	40	LEU	2.3
21	CS	71	LEU	2.3
24	CX	178	ASP	2.3
29	BF	41	LEU	2.3
29	DF	156	LEU	2.3
31	BH	57	ASP	2.3
32	BI	30	LEU	2.3
34	DN	64	ASP	2.3
34	DN	153	HIS	2.3
1	AA	532	A	2.3
4	AB	127	ILE	2.3
25	BA	1214	A	2.3
25	DA	2892	A	2.3
39	DS	21	THR	2.3
46	DZ	69	THR	2.3
41	BU	57	PHE	2.3
48	D1	60	PHE	2.3
50	D3	19	GLN	2.3
25	DA	2795	G	2.3
1	CA	1112	C	2.3
25	BA	2178	C	2.3
4	CB	101	MET	2.3
28	DE	61	ARG	2.3
31	DH	114	VAL	2.3
45	DY	8	LYS	2.3
6	CD	120	LEU	2.3
9	CG	74	GLU	2.3
21	AS	15	LEU	2.3
30	BG	176	LEU	2.3
36	DP	100	LEU	2.3
37	DQ	37	LEU	2.3
40	BT	109	GLU	2.3
42	BV	71	LEU	2.3
18	AP	29	ASP	2.2
46	DZ	133	ILE	2.2
46	DZ	146	ILE	2.2
2	CZ	55	U	2.2
6	AD	9	CYS	2.2
20	AR	43	PHE	2.2

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Mol	Chain	Res	Type	RSRZ
31	DH	154	PRO	2.2
37	DQ	29	PHE	2.2
1	AA	978	A	2.2
25	BA	53	A	2.2
25	BA	2117	A	2.2
6	AD	10	ARG	2.2
14	CL	32	ARG	2.2
15	AM	114	ARG	2.2
21	CS	58	VAL	2.2
24	CX	184	VAL	2.2
33	BK	96	VAL	2.2
7	CE	59	GLY	2.2
24	CX	51	LEU	2.2
33	BK	124	ALA	2.2
35	BO	110	GLY	2.2
40	BT	97	ALA	2.2
6	CD	163	GLU	2.2
10	CH	136	GLU	2.2
34	BN	91	GLU	2.2
45	BY	64	GLU	2.2
6	CD	70	ILE	2.2
37	DQ	123	HIS	2.2
45	DY	52	SER	2.2
9	CG	43	PHE	2.2
14	CL	31	PHE	2.2
44	BX	27	THR	2.2
45	BY	76	CYS	2.2
16	CN	52	GLN	2.2
5	CC	27	LYS	2.2
13	AK	11	LYS	2.2
14	AL	16	LYS	2.2
27	BD	68	LYS	2.2
28	BE	109	LYS	2.2
32	BI	1	MET	2.2
32	BI	112	LYS	2.2
34	BN	141	LYS	2.2
40	DT	98	LYS	2.2
41	DU	19	LYS	2.2
44	DX	26	TYR	2.2
11	CI	14	VAL	2.2
36	BP	71	VAL	2.2
51	D4	36	VAL	2.2

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Mol	Chain	Res	Type	RSRZ
1	AA	1130	A	2.2
4	AB	161	ALA	2.2
25	BA	127	A	2.2
6	CD	16	GLY	2.2
15	AM	112	GLY	2.2
24	AX	251	GLY	2.2
30	DG	88	ILE	2.2
40	DT	46	GLU	2.2
46	BZ	185	GLU	2.2
38	DR	50	HIS	2.2
42	BV	73	SER	2.2
46	DZ	34	ASN	2.2
9	AG	32	ARG	2.2
32	BI	33	ARG	2.2
55	B8	57	ARG	2.2
7	AE	121	LYS	2.2
21	AS	77	THR	2.2
33	BK	111	LYS	2.2
33	DK	3	LYS	2.2
39	DS	59	LYS	2.2
55	D8	44	LYS	2.2
7	AE	133	TYR	2.2
30	BG	131	TYR	2.2
35	DO	21	CYS	2.2
37	BQ	7	MET	2.2
46	BZ	99	TYR	2.2
50	D3	1	MET	2.2
31	BH	44	VAL	2.2
39	BS	49	VAL	2.2
6	AD	64	LEU	2.2
8	AF	43	LEU	2.2
1	AA	1086	U	2.2
25	DA	270(M)	U	2.2
37	DQ	95	ALA	2.2
50	B3	21	ALA	2.2
13	CK	90	GLY	2.2
18	CP	36	ILE	2.2
21	AS	62	ILE	2.2
9	CG	8	GLU	2.2
25	DA	6	A	2.2
43	DW	111	HIS	2.2
5	CC	83	ARG	2.2

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Mol	Chain	Res	Type	RSRZ
22	CT	19	SER	2.2
33	BK	101	TRP	2.2
35	DO	28	SER	2.2
5	AC	102	ASN	2.2
11	CI	70	LYS	2.2
55	D8	29	LYS	2.2
11	CI	75	ASP	2.2
43	BW	77	ASP	2.2
1	AA	984	C	2.2
1	CA	1246	C	2.2
4	AB	44	LEU	2.2
5	CC	103	VAL	2.2
17	CO	67	LEU	2.2
21	CS	41	VAL	2.2
25	BA	271(B)	C	2.2
28	DE	27	LEU	2.2
29	BF	40	GLN	2.2
29	DF	41	LEU	2.2
30	DG	43	LEU	2.2
31	BH	64	LEU	2.2
41	BU	20	LEU	2.2
42	DV	46	VAL	2.2
54	D7	46	VAL	2.2
29	DF	42	ALA	2.2
42	DV	77	ALA	2.2
46	BZ	152	ALA	2.2
6	AD	23	GLY	2.2
35	DO	110	GLY	2.2
1	CA	306	G	2.2
21	AS	49	ILE	2.2
25	BA	2101	G	2.2
25	DA	2308	G	2.2
26	DB	102	G	2.2
1	AA	1257	U	2.2
15	CM	73	GLU	2.2
7	AE	28	PHE	2.2
9	CG	94	ARG	2.2
33	DK	56	GLU	2.2
38	BR	68	ARG	2.2
44	DX	65	ARG	2.2
8	CF	92	LYS	2.2
27	DD	208	LYS	2.2

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Mol	Chain	Res	Type	RSRZ
45	DY	19	LYS	2.2
40	DT	81	PRO	2.2
1	AA	1111	A	2.2
1	CA	975	A	2.2
25	BA	282	A	2.2
28	DE	55	ASN	2.2
54	D7	22	MET	2.2
4	CB	7	VAL	2.2
15	CM	43	THR	2.2
21	CS	12	ASP	2.2
30	DG	5	LEU	2.2
37	DQ	106	VAL	2.2
40	DT	114	LEU	2.2
46	DZ	42	VAL	2.2
9	AG	11	GLN	2.2
11	AI	125	TYR	2.2
11	CI	36	TYR	2.2
9	CG	39	ALA	2.1
30	DG	73	ALA	2.1
37	DQ	12	GLN	2.2
7	AE	39	GLY	2.1
22	AT	96	GLY	2.1
36	BP	26	GLY	2.1
47	B0	73	GLY	2.1
6	CD	26	CYS	2.1
1	AA	543	C	2.1
2	AY	34	C	2.1
25	DA	2129	C	2.1
25	DA	2385	C	2.1
11	CI	121	ARG	2.1
14	AL	18	ARG	2.1
15	CM	80	ARG	2.1
24	CX	201	ARG	2.1
29	BF	74	ARG	2.1
43	DW	11	ARG	2.1
7	CE	88	LYS	2.1
14	CL	125	LYS	2.1
15	AM	115	LYS	2.1
30	BG	137	GLU	2.1
30	BG	164	GLU	2.1
32	DI	7	GLU	2.1
37	BQ	32	PHE	2.1

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Mol	Chain	Res	Type	RSRZ
44	DX	72	LYS	2.1
25	DA	1083	U	2.1
25	DA	2130	U	2.1
1	CA	64	G	2.1
25	DA	2160	G	2.1
30	DG	87	PRO	2.1
46	BZ	167	PRO	2.1
55	D8	2	PRO	2.1
33	BK	112	MET	2.1
45	BY	5	MET	2.1
5	CC	188	LEU	2.1
6	CD	96	LEU	2.1
6	CD	174	LEU	2.1
10	CH	19	VAL	2.1
14	AL	54	VAL	2.1
31	BH	24	VAL	2.1
31	BH	76	VAL	2.1
36	BP	25	SER	2.1
44	BX	9	LEU	2.1
46	BZ	76	LEU	2.1
24	CX	274	THR	2.1
5	CC	184	TYR	2.1
10	CH	124	ALA	2.1
13	CK	50	TYR	2.1
33	DK	50	ASP	2.1
47	D0	71	ASP	2.1
24	CX	323	GLN	2.1
48	B1	15	ALA	2.1
25	BA	2170	A	2.1
48	D1	19	GLN	2.1
18	AP	30	GLY	2.1
23	CU	13	ILE	2.1
24	AX	318	ILE	2.1
36	DP	24	GLY	2.1
44	DX	67	GLY	2.1
48	D1	20	ARG	2.1
11	AI	116	LYS	2.1
22	AT	81	LYS	2.1
23	CU	3	LYS	2.1
45	BY	71	LYS	2.1
50	B3	17	LYS	2.1
18	CP	16	HIS	2.1

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Mol	Chain	Res	Type	RSRZ
1	CA	1384	C	2.1
25	BA	2521	C	2.1
28	BE	62	PRO	2.1
9	AG	103	TRP	2.1
5	AC	188	LEU	2.1
28	DE	63	LEU	2.1
30	BG	173	LEU	2.1
24	AX	231	VAL	2.1
46	DZ	111	VAL	2.1
11	CI	71	SER	2.1
30	DG	165	THR	2.1
32	BI	86	THR	2.1
10	CH	15	ASN	2.1
29	DF	97	TYR	2.1
29	DF	133	ASN	2.1
16	CN	7	ILE	2.1
18	CP	33	ILE	2.1
31	BH	89	ILE	2.1
33	DK	59	ILE	2.1
39	DS	90	GLY	2.1
44	BX	6	ASP	2.1
50	B3	18	ASP	2.1
55	D8	35	GLN	2.1
2	CY	29	G	2.1
25	DA	2141	G	2.1
34	DN	142	ARG	2.1
6	CD	75	PHE	2.1
25	DA	2117	A	2.1
42	BV	2	PHE	2.1
45	BY	89	PHE	2.1
11	AI	12	GLU	2.1
11	CI	21	PRO	2.1
12	CJ	41	PRO	2.1
29	BF	6	MET	2.1
32	BI	122	GLU	2.1
12	CJ	90	LEU	2.1
19	AQ	6	LEU	2.1
33	DK	115	LEU	2.1
34	DN	130	LEU	2.1
39	BS	56	LEU	2.1
50	B3	8	LEU	2.1
29	DF	37	VAL	2.1

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Mol	Chain	Res	Type	RSRZ
1	CA	136	C	2.1
16	CN	48	ALA	2.1
24	AX	219	ALA	2.1
25	DA	115	C	2.1
33	BK	14	ALA	2.1
33	DK	46	ALA	2.1
41	DU	4	ALA	2.1
19	CQ	65	ILE	2.1
1	CA	870	U	2.1
7	CE	85	GLY	2.1
9	CG	35	LYS	2.1
11	CI	112	LYS	2.1
16	AN	4	LYS	2.1
16	CN	21	TYR	2.1
22	AT	14	LYS	2.1
37	DQ	9	TYR	2.1
37	DQ	11	LYS	2.1
38	DR	5	LYS	2.1
41	DU	12	ARG	2.1
24	AX	181	GLN	2.1
42	DV	80	GLN	2.1
44	BX	50	LYS	2.1
47	D0	46	LYS	2.1
24	CX	54	ASP	2.1
1	AA	1034	G	2.1
1	CA	324	G	2.1
6	CD	19	LEU	2.1
12	CJ	56	HIS	2.1
38	DR	60	LEU	2.1
40	BT	99	LEU	2.1
1	CA	913	A	2.1
1	CA	959	A	2.1
13	CK	92	GLU	2.1
15	AM	7	VAL	2.1
24	AX	239	GLU	2.1
42	BV	36	PRO	2.1
25	BA	2176	A	2.1
25	DA	2119	A	2.1
31	DH	113	VAL	2.1
37	DQ	109	VAL	2.1
4	AB	132	LYS	2.1
4	AB	200	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
14	CL	99	ILE	2.1
22	CT	23	ARG	2.1
27	BD	31	LYS	2.1
27	DD	262	ARG	2.1
33	BK	127	ILE	2.1
42	DV	84	LYS	2.1
49	D2	41	ILE	2.1
7	CE	22	GLY	2.1
24	CX	138	GLY	2.1
45	BY	35	TYR	2.1
53	D6	14	THR	2.1
19	CQ	97	SER	2.1
1	CA	1113	C	2.1
25	DA	2294	C	2.1
26	BB	6	C	2.1
25	BA	1454	U	2.1
50	D3	39	ASP	2.1
6	AD	21	LEU	2.1
13	CK	73	MET	2.1
21	AS	30	LEU	2.1
37	DQ	103	MET	2.1
39	DS	78	LEU	2.1
42	BV	1	MET	2.1
5	AC	76	VAL	2.1
6	CD	29	PRO	2.1
19	CQ	5	VAL	2.1
24	AX	93	PRO	2.1
34	DN	134	PRO	2.1
39	BS	28	VAL	2.1
7	AE	83	GLU	2.1
24	AX	90	GLU	2.1
31	DH	119	GLU	2.1
20	AR	32	ARG	2.0
31	BH	69	ARG	2.0
32	DI	27	ARG	2.0
6	AD	158	ILE	2.0
37	DQ	36	ALA	2.0
41	BU	19	LYS	2.0
1	AA	1318	A	2.0
1	CA	532	A	2.0
1	AA	1222	G	2.0
1	CA	450	G	2.0

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Mol	Chain	Res	Type	RSRZ
9	CG	82	GLY	2.0
15	AM	85	GLY	2.0
24	CX	251	GLY	2.0
25	DA	2820	A	2.0
25	DA	1888	G	2.0
6	AD	74	GLN	2.0
8	AF	60	PHE	2.0
11	AI	37	PHE	2.0
46	BZ	48	PHE	2.0
13	AK	38	ASN	2.0
31	DH	147	ASN	2.0
6	CD	102	ASP	2.0
6	CD	157	LEU	2.0
10	CH	4	ASP	2.0
31	BH	137	ASP	2.0
33	BK	120	LEU	2.0
40	BT	105	LEU	2.0
40	BT	114	LEU	2.0
1	CA	210	U	2.0
5	AC	207	VAL	2.0
24	CX	346	PRO	2.0
25	BA	614	U	2.0
25	BA	2122	U	2.0
30	BG	2	PRO	2.0
33	DK	138	VAL	2.0
47	D0	79	VAL	2.0
12	AJ	56	HIS	2.0
6	CD	24	GLU	2.0
10	CH	116	LYS	2.0
22	CT	86	ARG	2.0
27	BD	30	GLU	2.0
29	DF	46	ARG	2.0
36	DP	64	LYS	2.0
44	BX	76	ARG	2.0
49	D2	7	ARG	2.0
4	CB	222	ILE	2.0
7	CE	134	ALA	2.0
24	CX	57	ALA	2.0
31	DH	150	ALA	2.0
33	BK	108	ALA	2.0
32	BI	84	GLY	2.0
24	AX	372	THR	2.0

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Mol	Chain	Res	Type	RSRZ
32	BI	89	TYR	2.0
45	BY	55	TYR	2.0
6	CD	79	PHE	2.0
9	CG	86	GLN	2.0
11	AI	33	PHE	2.0
16	AN	16	PHE	2.0
19	AQ	96	GLN	2.0
40	DT	90	GLN	2.0
47	D0	40	GLN	2.0
55	D8	43	GLN	2.0
2	AZ	35	A	2.0
24	AX	19	SER	2.0
25	DA	1088	A	2.0
39	BS	24	LEU	2.0
45	BY	17	SER	2.0
17	AO	58	MET	2.0
32	BI	43	ASN	2.0
46	BZ	98	MET	2.0
1	AA	1190	G	2.0
1	CA	190	G	2.0
1	CA	947	G	2.0
10	CH	118	VAL	2.0
25	DA	2123	G	2.0
25	DA	2337	G	2.0
45	DY	53	PRO	2.0
46	BZ	68	PRO	2.0
46	BZ	158	PRO	2.0
12	AJ	62	HIS	2.0
15	CM	114	ARG	2.0
21	CS	69	HIS	2.0
22	CT	38	LYS	2.0
33	BK	86	LYS	2.0
36	BP	77	ARG	2.0
41	BU	30	LYS	2.0
41	BU	101	ARG	2.0
1	CA	1235	U	2.0
15	AM	76	ALA	2.0
17	CO	73	GLU	2.0
21	CS	34	TRP	2.0
24	CX	137	ALA	2.0
27	BD	28	GLU	2.0
32	DI	4	ILE	2.0

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Mol	Chain	Res	Type	RSRZ
46	BZ	189	ALA	2.0
46	DZ	84	GLU	2.0
49	D2	11	GLU	2.0
55	D8	58	ILE	2.0
1	CA	1218	C	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	DA	3094	1/1	-0.06	0.17	3,3,3,3	0
56	MG	BB	205	1/1	0.12	0.43	100,100,100,100	0
56	MG	BA	3758	1/1	0.30	0.27	94,94,94,94	0
56	MG	CA	1806	1/1	0.35	0.17	3,3,3,3	0
56	MG	BA	3862	1/1	0.36	0.28	85,85,85,85	0
56	MG	BA	3031	1/1	0.38	0.28	74,74,74,74	0
56	MG	AA	1790	1/1	0.41	0.23	97,97,97,97	0
56	MG	AA	1915	1/1	0.45	0.13	109,109,109,109	0
56	MG	BA	3161	1/1	0.47	0.58	103,103,103,103	0
56	MG	CK	202	1/1	0.49	0.23	91,91,91,91	0
56	MG	BA	3374	1/1	0.50	0.14	85,85,85,85	0
56	MG	BA	3362	1/1	0.51	0.53	68,68,68,68	0
56	MG	AA	1667	1/1	0.51	0.09	70,70,70,70	0
56	MG	BD	5007	1/1	0.52	0.22	55,55,55,55	0
56	MG	AA	1989	1/1	0.53	0.08	81,81,81,81	0
56	MG	BA	3102	1/1	0.53	0.17	89,89,89,89	0
56	MG	BA	3013	1/1	0.53	0.60	103,103,103,103	0
56	MG	BA	3437	1/1	0.54	0.58	117,117,117,117	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3260	1/1	0.54	0.21	75,75,75,75	0
56	MG	AA	1789	1/1	0.54	0.28	77,77,77,77	0
56	MG	AA	1605	1/1	0.54	0.33	88,88,88,88	0
56	MG	BA	3367	1/1	0.55	0.12	53,53,53,53	0
56	MG	CA	1815	1/1	0.55	0.27	63,63,63,63	0
56	MG	AA	1750	1/1	0.56	0.18	97,97,97,97	0
56	MG	BA	3252	1/1	0.56	0.19	80,80,80,80	0
56	MG	AA	1653	1/1	0.56	0.19	95,95,95,95	0
56	MG	BA	3505	1/1	0.57	0.31	92,92,92,92	0
56	MG	AA	1949	1/1	0.57	0.15	90,90,90,90	0
56	MG	BA	3176	1/1	0.57	0.25	66,66,66,66	0
56	MG	AA	1651	1/1	0.58	0.21	106,106,106,106	0
56	MG	DA	3282	1/1	0.58	0.35	72,72,72,72	0
56	MG	BA	3624	1/1	0.59	0.28	89,89,89,89	0
56	MG	BA	3250	1/1	0.59	0.14	81,81,81,81	0
56	MG	AA	1919	1/1	0.59	0.21	88,88,88,88	0
56	MG	AA	1885	1/1	0.59	0.17	58,58,58,58	0
56	MG	AA	1952	1/1	0.59	0.24	83,83,83,83	0
56	MG	DA	3297	1/1	0.60	0.47	89,89,89,89	0
56	MG	DD	5007	1/1	0.60	0.02	11,11,11,11	0
56	MG	BO	205	1/1	0.61	0.21	86,86,86,86	0
56	MG	AA	1936	1/1	0.61	0.19	97,97,97,97	0
56	MG	BA	3332	1/1	0.61	0.13	90,90,90,90	0
56	MG	BA	3193	1/1	0.61	0.10	83,83,83,83	0
56	MG	BA	3040	1/1	0.62	0.26	97,97,97,97	0
56	MG	BA	3041	1/1	0.62	0.32	98,98,98,98	0
56	MG	BA	3020	1/1	0.62	0.49	73,73,73,73	0
56	MG	AA	1678	1/1	0.62	0.24	92,92,92,92	0
56	MG	AA	1958	1/1	0.63	0.09	87,87,87,87	0
56	MG	BA	3189	1/1	0.63	0.26	96,96,96,96	0
56	MG	BA	3698	1/1	0.63	0.08	94,94,94,94	0
56	MG	BA	3057	1/1	0.63	0.19	80,80,80,80	0
56	MG	BA	3198	1/1	0.63	0.38	76,76,76,76	0
56	MG	AA	1752	1/1	0.64	0.15	66,66,66,66	0
56	MG	CA	1738	1/1	0.64	0.35	64,64,64,64	0
56	MG	BA	3490	1/1	0.64	0.21	75,75,75,75	0
56	MG	BA	3365	1/1	0.64	0.34	53,53,53,53	0
56	MG	DA	3304	1/1	0.64	0.17	76,76,76,76	0
56	MG	DA	3373	1/1	0.64	0.25	92,92,92,92	0
56	MG	CG	202	1/1	0.64	0.12	82,82,82,82	0
56	MG	BA	3263	1/1	0.65	0.14	47,47,47,47	0
56	MG	BW	201	1/1	0.65	0.25	80,80,80,80	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1679	1/1	0.65	0.18	90,90,90,90	0
56	MG	AB	306	1/1	0.65	0.22	56,56,56,56	0
56	MG	AK	201	1/1	0.65	0.22	76,76,76,76	0
56	MG	BA	3254	1/1	0.65	0.25	79,79,79,79	0
56	MG	AK	204	1/1	0.65	0.14	82,82,82,82	0
56	MG	CA	1713	1/1	0.66	0.28	80,80,80,80	0
56	MG	AA	1622	1/1	0.66	0.15	72,72,72,72	0
56	MG	AK	206	1/1	0.66	0.08	69,69,69,69	0
56	MG	BB	215	1/1	0.67	0.20	103,103,103,103	0
56	MG	BA	3683	1/1	0.67	0.25	63,63,63,63	0
56	MG	BE	304	1/1	0.67	0.07	79,79,79,79	0
56	MG	AV	5502	1/1	0.67	0.33	89,89,89,89	0
56	MG	AZ	106	1/1	0.67	0.07	93,93,93,93	0
56	MG	DA	3283	1/1	0.67	0.56	70,70,70,70	0
56	MG	BA	3792	1/1	0.67	0.25	85,85,85,85	0
56	MG	BA	3042	1/1	0.67	0.41	74,74,74,74	0
56	MG	DA	3320	1/1	0.67	0.32	82,82,82,82	0
56	MG	BA	3905	1/1	0.67	0.18	65,65,65,65	0
56	MG	DA	3390	1/1	0.67	0.10	73,73,73,73	0
56	MG	AE	205	1/1	0.67	0.11	65,65,65,65	0
56	MG	DA	3113	1/1	0.68	0.24	85,85,85,85	0
56	MG	AA	1870	1/1	0.68	0.27	85,85,85,85	0
56	MG	BA	3707	1/1	0.68	0.35	77,77,77,77	0
56	MG	AA	1652	1/1	0.68	0.10	63,63,63,63	0
56	MG	AX	404	1/1	0.68	0.16	92,92,92,92	0
56	MG	BF	302	1/1	0.68	0.36	59,59,59,59	0
56	MG	BA	3653	1/1	0.68	0.35	61,61,61,61	0
56	MG	BA	3460	1/1	0.68	0.51	75,75,75,75	0
56	MG	B2	102	1/1	0.68	0.08	62,62,62,62	0
56	MG	BA	3579	1/1	0.69	0.16	69,69,69,69	0
56	MG	CA	1758	1/1	0.69	0.19	78,78,78,78	0
56	MG	DA	3290	1/1	0.69	0.23	64,64,64,64	0
56	MG	AA	1875	1/1	0.69	0.58	83,83,83,83	0
56	MG	BA	3470	1/1	0.69	0.30	77,77,77,77	0
56	MG	AG	201	1/1	0.69	0.19	72,72,72,72	0
56	MG	BA	3697	1/1	0.69	0.10	72,72,72,72	0
56	MG	BA	3329	1/1	0.69	0.12	79,79,79,79	0
56	MG	BA	3525	1/1	0.69	0.23	77,77,77,77	0
56	MG	BA	3704	1/1	0.70	0.14	88,88,88,88	0
56	MG	AX	414	1/1	0.70	0.24	97,97,97,97	0
56	MG	AA	1953	1/1	0.70	0.21	87,87,87,87	0
56	MG	DA	3300	1/1	0.70	0.22	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3171	1/1	0.70	0.16	77,77,77,77	0
56	MG	AA	1699	1/1	0.70	0.14	61,61,61,61	0
56	MG	AA	1744	1/1	0.70	0.09	74,74,74,74	0
56	MG	DA	3389	1/1	0.70	0.14	70,70,70,70	0
56	MG	DA	3199	1/1	0.70	0.24	59,59,59,59	0
56	MG	CA	1771	1/1	0.70	0.30	80,80,80,80	0
56	MG	BF	304	1/1	0.71	0.23	65,65,65,65	0
56	MG	BA	3688	1/1	0.71	0.08	74,74,74,74	0
56	MG	BA	3175	1/1	0.71	0.17	69,69,69,69	0
56	MG	BA	3894	1/1	0.71	0.09	70,70,70,70	0
56	MG	BA	3899	1/1	0.71	0.24	73,73,73,73	0
56	MG	BA	3614	1/1	0.71	0.33	56,56,56,56	0
56	MG	CA	1724	1/1	0.71	0.19	36,36,36,36	0
56	MG	BA	3699	1/1	0.71	0.15	79,79,79,79	0
56	MG	BB	207	1/1	0.71	0.24	84,84,84,84	0
56	MG	AA	1932	1/1	0.71	0.06	64,64,64,64	0
56	MG	BB	230	1/1	0.71	0.10	50,50,50,50	0
56	MG	BA	3201	1/1	0.71	0.16	67,67,67,67	0
56	MG	BA	3752	1/1	0.71	0.61	71,71,71,71	0
56	MG	AA	2012	1/1	0.71	0.35	55,55,55,55	0
56	MG	CA	1788	1/1	0.72	0.22	94,94,94,94	0
56	MG	AA	1764	1/1	0.72	0.27	72,72,72,72	0
56	MG	BB	217	1/1	0.72	0.10	74,74,74,74	0
56	MG	AA	1813	1/1	0.72	0.15	67,67,67,67	0
56	MG	BD	5003	1/1	0.72	0.07	57,57,57,57	0
56	MG	AA	1881	1/1	0.72	0.49	98,98,98,98	0
56	MG	BA	3485	1/1	0.72	0.24	71,71,71,71	0
56	MG	BA	3323	1/1	0.72	0.12	57,57,57,57	0
56	MG	AA	1821	1/1	0.72	0.13	90,90,90,90	0
56	MG	BN	203	1/1	0.72	0.32	72,72,72,72	0
56	MG	AM	201	1/1	0.72	0.14	86,86,86,86	0
56	MG	AA	1897	1/1	0.72	0.20	62,62,62,62	0
56	MG	AA	1844	1/1	0.72	0.56	101,101,101,101	0
56	MG	BA	3620	1/1	0.72	0.26	53,53,53,53	0
56	MG	DA	3313	1/1	0.72	0.20	69,69,69,69	0
56	MG	BA	3143	1/1	0.72	0.43	64,64,64,64	0
56	MG	AA	1955	1/1	0.72	0.40	82,82,82,82	0
56	MG	BA	3920	1/1	0.72	0.09	54,54,54,54	0
56	MG	BA	3407	1/1	0.72	0.43	56,56,56,56	0
56	MG	BA	3433	1/1	0.72	0.27	67,67,67,67	0
56	MG	BB	224	1/1	0.73	0.19	65,65,65,65	0
56	MG	CA	1781	1/1	0.73	0.09	59,59,59,59	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3474	1/1	0.73	0.39	73,73,73,73	0
56	MG	BA	3598	1/1	0.73	0.41	73,73,73,73	0
56	MG	BA	3753	1/1	0.73	0.15	65,65,65,65	0
56	MG	CA	1684	1/1	0.73	0.10	74,74,74,74	0
56	MG	AA	1711	1/1	0.73	0.28	58,58,58,58	0
56	MG	BA	3454	1/1	0.73	0.13	63,63,63,63	0
56	MG	BA	3005	1/1	0.73	0.09	51,51,51,51	0
56	MG	AA	1619	1/1	0.73	0.18	62,62,62,62	0
56	MG	CA	1769	1/1	0.73	0.25	77,77,77,77	0
56	MG	BA	3044	1/1	0.74	0.16	49,49,49,49	0
56	MG	AA	2021	1/1	0.74	0.18	43,43,43,43	0
56	MG	BA	3089	1/1	0.74	0.33	69,69,69,69	0
56	MG	AA	1810	1/1	0.74	0.41	64,64,64,64	0
56	MG	BA	3190	1/1	0.74	0.21	77,77,77,77	0
56	MG	BA	3311	1/1	0.74	0.27	44,44,44,44	0
56	MG	BA	3536	1/1	0.74	0.35	70,70,70,70	0
56	MG	AA	1639	1/1	0.74	0.13	59,59,59,59	0
56	MG	BA	3597	1/1	0.74	0.23	48,48,48,48	0
56	MG	BA	3444	1/1	0.74	0.10	42,42,42,42	0
56	MG	BA	3449	1/1	0.74	0.11	73,73,73,73	0
56	MG	AY	113	1/1	0.74	0.16	89,89,89,89	0
56	MG	BE	302	1/1	0.74	0.10	67,67,67,67	0
56	MG	BA	3163	1/1	0.74	0.28	91,91,91,91	0
56	MG	BA	3884	1/1	0.74	0.21	80,80,80,80	0
56	MG	BA	3887	1/1	0.74	0.21	66,66,66,66	0
56	MG	CG	201	1/1	0.74	0.13	70,70,70,70	0
56	MG	AA	1623	1/1	0.75	0.40	74,74,74,74	0
56	MG	AK	203	1/1	0.75	0.16	49,49,49,49	0
56	MG	BA	3024	1/1	0.75	0.34	87,87,87,87	0
56	MG	AA	1633	1/1	0.75	0.15	77,77,77,77	0
56	MG	BA	3742	1/1	0.75	0.07	70,70,70,70	0
56	MG	CZ	101	1/1	0.75	0.18	72,72,72,72	0
56	MG	CZ	106	1/1	0.75	0.06	82,82,82,82	0
56	MG	CY	104	1/1	0.75	0.14	78,78,78,78	0
56	MG	BA	3169	1/1	0.75	0.27	67,67,67,67	0
56	MG	AA	1610	1/1	0.75	0.11	65,65,65,65	0
56	MG	AA	1991	1/1	0.75	0.18	84,84,84,84	0
56	MG	AE	203	1/1	0.75	0.17	72,72,72,72	0
56	MG	BA	3802	1/1	0.75	0.07	47,47,47,47	0
56	MG	BI	201	1/1	0.75	0.23	78,78,78,78	0
56	MG	DA	3209	1/1	0.75	0.18	3,3,3,3	0
56	MG	BA	3818	1/1	0.75	0.31	71,71,71,71	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3623	1/1	0.75	0.30	103,103,103,103	0
56	MG	AX	410	1/1	0.75	0.17	73,73,73,73	0
56	MG	B1	105	1/1	0.75	0.08	87,87,87,87	0
56	MG	BA	3628	1/1	0.75	0.26	71,71,71,71	0
56	MG	AA	1664	1/1	0.75	0.18	73,73,73,73	0
56	MG	BA	3340	1/1	0.75	0.13	73,73,73,73	0
56	MG	DA	3314	1/1	0.75	0.23	70,70,70,70	0
56	MG	BA	3686	1/1	0.75	0.08	49,49,49,49	0
56	MG	BA	3063	1/1	0.75	0.09	86,86,86,86	0
56	MG	DA	3383	1/1	0.75	0.22	71,71,71,71	0
56	MG	BB	201	1/1	0.75	0.22	59,59,59,59	0
56	MG	BA	3689	1/1	0.75	0.10	80,80,80,80	0
56	MG	AA	1647	1/1	0.75	0.28	64,64,64,64	0
56	MG	CA	1685	1/1	0.76	0.10	68,68,68,68	0
56	MG	DA	3048	1/1	0.76	0.09	4,4,4,4	0
56	MG	BA	3712	1/1	0.76	0.28	77,77,77,77	0
56	MG	CA	1714	1/1	0.76	0.10	62,62,62,62	0
56	MG	DA	3129	1/1	0.76	0.16	57,57,57,57	0
56	MG	CA	1723	1/1	0.76	0.21	67,67,67,67	0
56	MG	AA	1899	1/1	0.76	0.22	59,59,59,59	0
56	MG	BA	3014	1/1	0.76	0.36	65,65,65,65	0
56	MG	BA	3076	1/1	0.76	0.33	51,51,51,51	0
56	MG	AA	1950	1/1	0.76	0.11	73,73,73,73	0
56	MG	BA	3600	1/1	0.76	0.16	47,47,47,47	0
56	MG	BA	3412	1/1	0.76	0.15	64,64,64,64	0
56	MG	BB	210	1/1	0.76	0.10	72,72,72,72	0
56	MG	BT	201	1/1	0.76	0.16	81,81,81,81	0
56	MG	CA	1811	1/1	0.76	0.28	79,79,79,79	0
56	MG	BA	3022	1/1	0.76	0.15	61,61,61,61	0
56	MG	DA	3360	1/1	0.76	0.10	56,56,56,56	0
56	MG	AA	1951	1/1	0.76	0.09	59,59,59,59	0
56	MG	B2	101	1/1	0.76	0.07	76,76,76,76	0
56	MG	BA	3880	1/1	0.76	0.20	63,63,63,63	0
56	MG	BA	3055	1/1	0.76	0.13	73,73,73,73	0
56	MG	DA	3396	1/1	0.76	0.15	66,66,66,66	0
56	MG	BA	3445	1/1	0.76	0.15	63,63,63,63	0
56	MG	AA	1637	1/1	0.77	0.11	54,54,54,54	0
56	MG	AA	1923	1/1	0.77	0.19	79,79,79,79	0
56	MG	DA	3294	1/1	0.77	0.37	63,63,63,63	0
56	MG	BA	3253	1/1	0.77	0.33	71,71,71,71	0
56	MG	AX	411	1/1	0.77	0.16	75,75,75,75	0
56	MG	BA	3258	1/1	0.77	0.19	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BU	201	1/1	0.77	0.22	83,83,83,83	0
56	MG	AA	1661	1/1	0.77	0.17	66,66,66,66	0
56	MG	AA	1977	1/1	0.77	0.29	64,64,64,64	0
56	MG	DA	3110	1/1	0.77	0.14	48,48,48,48	0
56	MG	DA	3361	1/1	0.77	0.47	78,78,78,78	0
56	MG	BA	3060	1/1	0.77	0.13	83,83,83,83	0
56	MG	BA	3642	1/1	0.77	0.19	67,67,67,67	0
56	MG	AA	1638	1/1	0.77	0.09	72,72,72,72	0
56	MG	BA	3170	1/1	0.77	0.41	80,80,80,80	0
56	MG	DA	3394	1/1	0.77	0.15	53,53,53,53	0
56	MG	DA	3279	1/1	0.77	0.24	30,30,30,30	0
56	MG	BA	3231	1/1	0.77	0.23	63,63,63,63	0
56	MG	AA	1819	1/1	0.78	0.21	76,76,76,76	0
56	MG	BA	3687	1/1	0.78	0.09	59,59,59,59	0
56	MG	BA	3528	1/1	0.78	0.10	60,60,60,60	0
56	MG	BA	3117	1/1	0.78	0.34	63,63,63,63	0
56	MG	CA	1775	1/1	0.78	0.18	91,91,91,91	0
56	MG	BA	3265	1/1	0.78	0.12	42,42,42,42	0
56	MG	AA	1876	1/1	0.78	0.42	69,69,69,69	0
56	MG	BA	3050	1/1	0.78	0.16	44,44,44,44	0
56	MG	AA	1754	1/1	0.78	0.09	70,70,70,70	0
56	MG	BA	3222	1/1	0.78	0.23	39,39,39,39	0
56	MG	BA	3168	1/1	0.78	0.41	52,52,52,52	0
56	MG	AZ	102	1/1	0.78	0.08	71,71,71,71	0
56	MG	BA	3743	1/1	0.78	0.27	64,64,64,64	0
56	MG	CY	107	1/1	0.78	0.22	60,60,60,60	0
56	MG	BA	3745	1/1	0.78	0.50	70,70,70,70	0
56	MG	BB	211	1/1	0.78	0.14	81,81,81,81	0
56	MG	AF	202	1/1	0.78	0.07	41,41,41,41	0
56	MG	AA	1670	1/1	0.78	0.06	67,67,67,67	0
56	MG	BA	3757	1/1	0.78	0.25	76,76,76,76	0
56	MG	AZ	109	1/1	0.78	0.15	79,79,79,79	0
56	MG	BA	3497	1/1	0.78	0.27	68,68,68,68	0
56	MG	AA	1818	1/1	0.78	0.10	74,74,74,74	0
56	MG	BA	3043	1/1	0.79	0.13	58,58,58,58	0
56	MG	BA	3519	1/1	0.79	0.27	82,82,82,82	0
56	MG	BA	3666	1/1	0.79	0.18	46,46,46,46	0
56	MG	BA	3790	1/1	0.79	0.19	86,86,86,86	0
56	MG	AD	5002	1/1	0.79	0.21	64,64,64,64	0
56	MG	BA	3256	1/1	0.79	0.07	60,60,60,60	0
56	MG	BA	3529	1/1	0.79	0.22	64,64,64,64	0
56	MG	AA	1858	1/1	0.79	0.17	72,72,72,72	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3543	1/1	0.79	0.30	38,38,38,38	0
56	MG	BA	3560	1/1	0.79	0.23	52,52,52,52	0
56	MG	AA	1911	1/1	0.79	0.19	63,63,63,63	0
56	MG	AA	1860	1/1	0.79	0.08	58,58,58,58	0
56	MG	BA	3264	1/1	0.79	0.22	60,60,60,60	0
56	MG	BA	3401	1/1	0.79	0.06	86,86,86,86	0
56	MG	BA	3918	1/1	0.79	0.17	63,63,63,63	0
56	MG	AA	1609	1/1	0.79	0.18	58,58,58,58	0
56	MG	BA	3923	1/1	0.79	0.12	57,57,57,57	0
56	MG	BA	3732	1/1	0.79	0.36	68,68,68,68	0
56	MG	BA	3181	1/1	0.79	0.22	23,23,23,23	0
56	MG	BA	3496	1/1	0.79	0.12	63,63,63,63	0
56	MG	AA	1800	1/1	0.79	0.10	54,54,54,54	0
56	MG	BA	3751	1/1	0.79	0.35	53,53,53,53	0
56	MG	BA	3498	1/1	0.79	0.12	45,45,45,45	0
56	MG	AA	1912	1/1	0.80	0.23	62,62,62,62	0
56	MG	BA	3415	1/1	0.80	0.16	65,65,65,65	0
56	MG	BA	3053	1/1	0.80	0.12	78,78,78,78	0
56	MG	AE	206	1/1	0.80	0.13	57,57,57,57	0
56	MG	BF	301	1/1	0.80	0.19	63,63,63,63	0
56	MG	BA	3765	1/1	0.80	0.22	60,60,60,60	0
56	MG	AA	1938	1/1	0.80	0.09	58,58,58,58	0
56	MG	BH	204	1/1	0.80	0.19	77,77,77,77	0
56	MG	AA	1677	1/1	0.80	0.14	74,74,74,74	0
56	MG	AI	201	1/1	0.80	0.30	59,59,59,59	0
56	MG	BA	3300	1/1	0.80	0.32	61,61,61,61	0
56	MG	BA	3828	1/1	0.80	0.25	46,46,46,46	0
56	MG	BA	3843	1/1	0.80	0.34	60,60,60,60	0
56	MG	BA	3458	1/1	0.80	0.25	50,50,50,50	0
56	MG	BA	3068	1/1	0.80	0.25	50,50,50,50	0
56	MG	DA	3217	1/1	0.80	0.18	58,58,58,58	0
56	MG	AA	1846	1/1	0.80	0.38	68,68,68,68	0
56	MG	AA	1730	1/1	0.80	0.25	72,72,72,72	0
56	MG	AY	117	1/1	0.80	0.31	68,68,68,68	0
56	MG	AY	118	1/1	0.80	0.27	83,83,83,83	0
56	MG	BA	3341	1/1	0.80	0.20	70,70,70,70	0
56	MG	BA	3349	1/1	0.80	0.15	46,46,46,46	0
56	MG	BA	3128	1/1	0.80	0.31	60,60,60,60	0
56	MG	AY	120	1/1	0.80	0.10	40,40,40,40	0
56	MG	BA	3157	1/1	0.80	0.47	55,55,55,55	0
56	MG	BA	3373	1/1	0.80	0.21	50,50,50,50	0
56	MG	DA	3315	1/1	0.80	0.31	62,62,62,62	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3318	1/1	0.80	0.12	45,45,45,45	0
56	MG	AA	2011	1/1	0.80	0.19	75,75,75,75	0
56	MG	CA	1763	1/1	0.80	0.30	77,77,77,77	0
56	MG	CA	1768	1/1	0.80	0.08	46,46,46,46	0
56	MG	BA	3381	1/1	0.80	0.08	48,48,48,48	0
56	MG	BA	3392	1/1	0.80	0.05	52,52,52,52	0
56	MG	BA	3399	1/1	0.80	0.16	73,73,73,73	0
56	MG	AA	1710	1/1	0.80	0.19	40,40,40,40	0
56	MG	BA	3574	1/1	0.80	0.30	74,74,74,74	0
56	MG	BB	228	1/1	0.80	0.12	63,63,63,63	0
56	MG	DA	3479	1/1	0.80	0.14	3,3,3,3	0
56	MG	AA	1935	1/1	0.80	0.10	53,53,53,53	0
56	MG	BA	3800	1/1	0.81	0.35	74,74,74,74	0
56	MG	BA	3327	1/1	0.81	0.10	64,64,64,64	0
56	MG	BH	202	1/1	0.81	0.19	56,56,56,56	0
56	MG	AY	103	1/1	0.81	0.11	87,87,87,87	0
56	MG	BA	3630	1/1	0.81	0.07	47,47,47,47	0
56	MG	BA	3837	1/1	0.81	0.50	71,71,71,71	0
56	MG	BA	3077	1/1	0.81	0.24	59,59,59,59	0
56	MG	AA	1684	1/1	0.81	0.10	61,61,61,61	0
56	MG	DA	3102	1/1	0.81	0.23	74,74,74,74	0
56	MG	BA	3092	1/1	0.81	0.28	73,73,73,73	0
56	MG	BA	3093	1/1	0.81	0.30	80,80,80,80	0
56	MG	BZ	301	1/1	0.81	0.15	81,81,81,81	0
56	MG	AA	1603	1/1	0.81	0.14	91,91,91,91	0
56	MG	BA	3113	1/1	0.81	0.21	85,85,85,85	0
56	MG	BA	3210	1/1	0.81	0.08	69,69,69,69	0
56	MG	CA	1677	1/1	0.81	0.09	103,103,103,103	0
56	MG	BA	3904	1/1	0.81	0.23	53,53,53,53	0
56	MG	AA	1929	1/1	0.81	0.12	71,71,71,71	0
56	MG	BA	3119	1/1	0.81	0.15	54,54,54,54	0
56	MG	CA	1695	1/1	0.81	0.15	59,59,59,59	0
56	MG	BA	3048	1/1	0.81	0.19	58,58,58,58	0
56	MG	BA	3136	1/1	0.81	0.22	45,45,45,45	0
56	MG	CA	1722	1/1	0.81	0.12	49,49,49,49	0
56	MG	AA	1655	1/1	0.81	0.08	61,61,61,61	0
56	MG	BA	3400	1/1	0.81	0.19	101,101,101,101	0
56	MG	AZ	101	1/1	0.81	0.08	63,63,63,63	0
56	MG	BA	3159	1/1	0.81	0.16	61,61,61,61	0
56	MG	AA	1904	1/1	0.81	0.25	77,77,77,77	0
56	MG	AA	1630	1/1	0.81	0.35	65,65,65,65	0
56	MG	BA	3581	1/1	0.81	0.17	69,69,69,69	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1845	1/1	0.81	0.13	29,29,29,29	0
56	MG	BA	3033	1/1	0.81	0.17	38,38,38,38	0
56	MG	BA	3065	1/1	0.81	0.17	78,78,78,78	0
56	MG	BA	3609	1/1	0.81	0.19	39,39,39,39	0
56	MG	AA	1612	1/1	0.81	0.29	68,68,68,68	0
56	MG	BA	3615	1/1	0.81	0.19	56,56,56,56	0
56	MG	BA	3173	1/1	0.81	0.32	80,80,80,80	0
56	MG	DD	5006	1/1	0.81	0.18	47,47,47,47	0
56	MG	BA	3069	1/1	0.81	0.29	65,65,65,65	0
56	MG	CA	1757	1/1	0.82	0.42	66,66,66,66	0
56	MG	BA	3680	1/1	0.82	0.17	60,60,60,60	0
56	MG	BA	3681	1/1	0.82	0.18	59,59,59,59	0
56	MG	BA	3906	1/1	0.82	0.19	67,67,67,67	0
56	MG	BA	3160	1/1	0.82	0.28	54,54,54,54	0
56	MG	BA	3232	1/1	0.82	0.14	58,58,58,58	0
56	MG	AA	1830	1/1	0.82	0.19	55,55,55,55	0
56	MG	AA	1700	1/1	0.82	0.08	45,45,45,45	0
56	MG	AA	1696	1/1	0.82	0.09	59,59,59,59	0
56	MG	BA	3691	1/1	0.82	0.06	73,73,73,73	0
56	MG	BA	3510	1/1	0.82	0.23	61,61,61,61	0
56	MG	CA	1814	1/1	0.82	0.25	66,66,66,66	0
56	MG	BA	3082	1/1	0.82	0.30	56,56,56,56	0
56	MG	BB	212	1/1	0.82	0.14	82,82,82,82	0
56	MG	BA	3524	1/1	0.82	0.21	44,44,44,44	0
56	MG	CZ	109	1/1	0.82	0.19	95,95,95,95	0
56	MG	BA	3379	1/1	0.82	0.18	115,115,115,115	0
56	MG	BA	3255	1/1	0.82	0.07	72,72,72,72	0
56	MG	CY	108	1/1	0.82	0.09	60,60,60,60	0
56	MG	CY	111	1/1	0.82	0.09	60,60,60,60	0
56	MG	BB	225	1/1	0.82	0.15	48,48,48,48	0
56	MG	BA	3384	1/1	0.82	0.06	60,60,60,60	0
56	MG	BA	3727	1/1	0.82	0.20	44,44,44,44	0
56	MG	AA	1773	1/1	0.82	0.08	46,46,46,46	0
56	MG	AA	1643	1/1	0.82	0.34	50,50,50,50	0
56	MG	BA	3546	1/1	0.82	0.11	40,40,40,40	0
56	MG	DA	3108	1/1	0.82	0.32	59,59,59,59	0
56	MG	BA	3744	1/1	0.82	0.08	72,72,72,72	0
56	MG	BA	3009	1/1	0.82	0.61	59,59,59,59	0
56	MG	DA	3121	1/1	0.82	0.23	41,41,41,41	0
56	MG	BA	3746	1/1	0.82	0.26	71,71,71,71	0
56	MG	BA	3747	1/1	0.82	0.33	64,64,64,64	0
56	MG	DA	3207	1/1	0.82	0.37	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3174	1/1	0.82	0.28	83,83,83,83	0
56	MG	AA	1859	1/1	0.82	0.26	76,76,76,76	0
56	MG	BA	3103	1/1	0.82	0.05	78,78,78,78	0
56	MG	AA	1971	1/1	0.82	0.10	57,57,57,57	0
56	MG	BA	3422	1/1	0.82	0.15	59,59,59,59	0
56	MG	BA	3599	1/1	0.82	0.22	50,50,50,50	0
56	MG	BA	3771	1/1	0.82	0.11	72,72,72,72	0
56	MG	BA	3015	1/1	0.82	0.31	60,60,60,60	0
56	MG	AA	1902	1/1	0.82	0.33	61,61,61,61	0
56	MG	BA	3058	1/1	0.82	0.07	67,67,67,67	0
56	MG	AA	1717	1/1	0.82	0.22	75,75,75,75	0
56	MG	BA	3330	1/1	0.82	0.08	55,55,55,55	0
56	MG	B2	103	1/1	0.82	0.34	36,36,36,36	0
56	MG	BA	3331	1/1	0.82	0.18	74,74,74,74	0
56	MG	AA	1910	1/1	0.82	0.18	88,88,88,88	0
56	MG	DA	3350	1/1	0.82	0.27	63,63,63,63	0
56	MG	AA	1943	1/1	0.82	0.17	56,56,56,56	0
56	MG	BA	3861	1/1	0.82	0.10	65,65,65,65	0
56	MG	DA	3370	1/1	0.82	0.09	71,71,71,71	0
56	MG	AA	1791	1/1	0.82	0.12	81,81,81,81	0
56	MG	BA	3878	1/1	0.82	0.12	44,44,44,44	0
56	MG	BA	3343	1/1	0.82	0.41	70,70,70,70	0
56	MG	CA	1718	1/1	0.82	0.09	41,41,41,41	0
56	MG	BA	3480	1/1	0.82	0.23	43,43,43,43	0
56	MG	BA	3661	1/1	0.82	0.23	71,71,71,71	0
56	MG	BA	3346	1/1	0.82	0.09	65,65,65,65	0
56	MG	DA	3481	1/1	0.82	0.08	4,4,4,4	0
56	MG	BA	3667	1/1	0.82	0.30	48,48,48,48	0
56	MG	CA	1742	1/1	0.82	0.21	54,54,54,54	0
56	MG	AA	2003	1/1	0.83	0.21	54,54,54,54	0
56	MG	BA	3453	1/1	0.83	0.27	57,57,57,57	0
56	MG	AA	1908	1/1	0.83	0.23	85,85,85,85	0
56	MG	BA	3909	1/1	0.83	0.07	39,39,39,39	0
56	MG	BA	3233	1/1	0.83	0.30	70,70,70,70	0
56	MG	BA	3064	1/1	0.83	0.08	57,57,57,57	0
56	MG	AA	1698	1/1	0.83	0.17	53,53,53,53	0
56	MG	BA	3471	1/1	0.83	0.29	50,50,50,50	0
56	MG	BA	3066	1/1	0.83	0.10	67,67,67,67	0
56	MG	CA	1702	1/1	0.83	0.09	24,24,24,24	0
56	MG	DA	3132	1/1	0.83	0.51	65,65,65,65	0
56	MG	AA	1769	1/1	0.83	0.14	87,87,87,87	0
56	MG	AA	1812	1/1	0.83	0.14	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1879	1/1	0.83	0.12	49,49,49,49	0
56	MG	AA	1628	1/1	0.83	0.15	51,51,51,51	0
56	MG	BA	3646	1/1	0.83	0.18	47,47,47,47	0
56	MG	BA	3078	1/1	0.83	0.15	51,51,51,51	0
56	MG	BB	221	1/1	0.83	0.36	65,65,65,65	0
56	MG	CA	1741	1/1	0.83	0.24	50,50,50,50	0
56	MG	AA	1954	1/1	0.83	0.28	74,74,74,74	0
56	MG	BA	3389	1/1	0.83	0.10	75,75,75,75	0
56	MG	AA	1847	1/1	0.83	0.17	30,30,30,30	0
56	MG	BA	3793	1/1	0.83	0.18	54,54,54,54	0
56	MG	DA	3307	1/1	0.83	0.12	39,39,39,39	0
56	MG	CA	1767	1/1	0.83	0.19	64,64,64,64	0
56	MG	AA	1715	1/1	0.83	0.30	50,50,50,50	0
56	MG	BA	3278	1/1	0.83	0.31	67,67,67,67	0
56	MG	AA	1672	1/1	0.83	0.26	69,69,69,69	0
56	MG	AX	405	1/1	0.83	0.20	74,74,74,74	0
56	MG	BA	3410	1/1	0.83	0.13	67,67,67,67	0
56	MG	AA	1973	1/1	0.83	0.24	56,56,56,56	0
56	MG	BA	3857	1/1	0.83	0.27	71,71,71,71	0
56	MG	DA	3366	1/1	0.83	0.21	86,86,86,86	0
56	MG	BF	305	1/1	0.83	0.14	63,63,63,63	0
56	MG	AA	1975	1/1	0.83	0.28	66,66,66,66	0
56	MG	BH	203	1/1	0.83	0.10	56,56,56,56	0
56	MG	BA	3544	1/1	0.83	0.32	72,72,72,72	0
56	MG	AA	1723	1/1	0.83	0.32	76,76,76,76	0
56	MG	BA	3427	1/1	0.83	0.20	34,34,34,34	0
56	MG	AA	1903	1/1	0.83	0.33	54,54,54,54	0
56	MG	DA	3454	1/1	0.83	0.30	45,45,45,45	0
56	MG	BA	3123	1/1	0.83	0.10	55,55,55,55	0
56	MG	AA	1864	1/1	0.83	0.07	71,71,71,71	0
56	MG	AA	1998	1/1	0.83	0.22	57,57,57,57	0
56	MG	BA	3901	1/1	0.83	0.13	62,62,62,62	0
56	MG	D1	102	1/1	0.83	0.32	53,53,53,53	0
56	MG	BA	3902	1/1	0.84	0.09	66,66,66,66	0
56	MG	BA	3202	1/1	0.84	0.10	57,57,57,57	0
56	MG	CA	1732	1/1	0.84	0.21	63,63,63,63	0
56	MG	BA	3306	1/1	0.84	0.17	52,52,52,52	0
56	MG	BA	3516	1/1	0.84	0.12	43,43,43,43	0
56	MG	BA	3719	1/1	0.84	0.16	37,37,37,37	0
56	MG	AA	1722	1/1	0.84	0.10	34,34,34,34	0
56	MG	BA	3731	1/1	0.84	0.19	53,53,53,53	0
56	MG	BA	3812	1/1	0.84	0.18	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	BA	3520	1/1	0.84	0.22	61,61,61,61	0
56	MG	AA	1995	1/1	0.84	0.14	44,44,44,44	0
56	MG	BA	3133	1/1	0.84	0.18	53,53,53,53	0
56	MG	BB	209	1/1	0.84	0.11	63,63,63,63	0
56	MG	CA	1774	1/1	0.84	0.24	82,82,82,82	0
56	MG	BA	3478	1/1	0.84	0.11	52,52,52,52	0
56	MG	BA	3854	1/1	0.84	0.25	60,60,60,60	0
56	MG	CA	1783	1/1	0.84	0.19	65,65,65,65	0
56	MG	BA	3613	1/1	0.84	0.16	32,32,32,32	0
56	MG	CA	1791	1/1	0.84	0.22	54,54,54,54	0
56	MG	BA	3441	1/1	0.84	0.44	70,70,70,70	0
56	MG	BA	3029	1/1	0.84	0.24	59,59,59,59	0
56	MG	BA	3863	1/1	0.84	0.26	62,62,62,62	0
56	MG	B6	101	1/1	0.84	0.12	44,44,44,44	0
56	MG	CA	1667	1/1	0.84	0.12	58,58,58,58	0
56	MG	CA	1670	1/1	0.84	0.17	43,43,43,43	0
56	MG	CA	1673	1/1	0.84	0.14	49,49,49,49	0
56	MG	BA	3750	1/1	0.84	0.21	45,45,45,45	0
56	MG	CY	106	1/1	0.84	0.07	66,66,66,66	0
56	MG	AA	1888	1/1	0.84	0.11	39,39,39,39	0
56	MG	BB	226	1/1	0.84	0.30	72,72,72,72	0
56	MG	BB	227	1/1	0.84	0.33	54,54,54,54	0
56	MG	AZ	110	1/1	0.84	0.07	69,69,69,69	0
56	MG	CA	1696	1/1	0.84	0.13	60,60,60,60	0
56	MG	AA	1686	1/1	0.84	0.17	43,43,43,43	0
56	MG	DA	3398	1/1	0.84	0.40	55,55,55,55	0
56	MG	CK	203	1/1	0.84	0.17	85,85,85,85	0
56	MG	BA	3892	1/1	0.84	0.11	46,46,46,46	0
56	MG	AB	305	1/1	0.84	0.07	56,56,56,56	0
56	MG	BA	3566	1/1	0.84	0.14	43,43,43,43	0
56	MG	DA	3105	1/1	0.84	0.09	55,55,55,55	0
56	MG	BA	3641	1/1	0.84	0.28	63,63,63,63	0
56	MG	AA	1693	1/1	0.85	0.23	79,79,79,79	0
56	MG	DA	3056	1/1	0.85	0.15	63,63,63,63	0
56	MG	AA	1709	1/1	0.85	0.26	54,54,54,54	0
56	MG	BA	3100	1/1	0.85	0.10	57,57,57,57	0
56	MG	AA	1792	1/1	0.85	0.06	63,63,63,63	0
56	MG	BA	3499	1/1	0.85	0.07	57,57,57,57	0
56	MG	BA	3788	1/1	0.85	0.16	69,69,69,69	0
56	MG	CA	1706	1/1	0.85	0.14	62,62,62,62	0
56	MG	AA	1981	1/1	0.85	0.08	52,52,52,52	0
56	MG	BA	3791	1/1	0.85	0.09	63,63,63,63	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3659	1/1	0.85	0.12	43,43,43,43	0
56	MG	BA	3393	1/1	0.85	0.14	61,61,61,61	0
56	MG	BA	3511	1/1	0.85	0.09	43,43,43,43	0
56	MG	BA	3272	1/1	0.85	0.26	54,54,54,54	0
56	MG	BA	3811	1/1	0.85	0.24	52,52,52,52	0
56	MG	DA	3241	1/1	0.85	0.15	73,73,73,73	0
56	MG	BA	3108	1/1	0.85	0.20	55,55,55,55	0
56	MG	BA	3297	1/1	0.85	0.14	45,45,45,45	0
56	MG	BA	3110	1/1	0.85	0.27	65,65,65,65	0
56	MG	AA	1728	1/1	0.85	0.35	46,46,46,46	0
56	MG	AA	1933	1/1	0.85	0.05	75,75,75,75	0
56	MG	BA	3320	1/1	0.85	0.44	84,84,84,84	0
56	MG	AA	1992	1/1	0.85	0.26	77,77,77,77	0
56	MG	BA	3122	1/1	0.85	0.16	56,56,56,56	0
56	MG	BF	303	1/1	0.85	0.17	50,50,50,50	0
56	MG	DA	3310	1/1	0.85	0.30	57,57,57,57	0
56	MG	DA	3311	1/1	0.85	0.20	72,72,72,72	0
56	MG	AA	1808	1/1	0.85	0.09	46,46,46,46	0
56	MG	BA	3436	1/1	0.85	0.17	47,47,47,47	0
56	MG	BG	201	1/1	0.85	0.12	64,64,64,64	0
56	MG	BA	3864	1/1	0.85	0.14	78,78,78,78	0
56	MG	BA	3867	1/1	0.85	0.26	50,50,50,50	0
56	MG	DA	3346	1/1	0.85	0.09	56,56,56,56	0
56	MG	AA	1997	1/1	0.85	0.28	56,56,56,56	0
56	MG	AA	1787	1/1	0.85	0.17	54,54,54,54	0
56	MG	AT	201	1/1	0.85	0.45	57,57,57,57	0
56	MG	BA	3575	1/1	0.85	0.19	53,53,53,53	0
56	MG	BA	3335	1/1	0.85	0.06	52,52,52,52	0
56	MG	BA	3140	1/1	0.85	0.18	33,33,33,33	0
56	MG	DA	3375	1/1	0.85	0.10	88,88,88,88	0
56	MG	BA	3038	1/1	0.85	0.19	41,41,41,41	0
56	MG	BA	3156	1/1	0.85	0.11	53,53,53,53	0
56	MG	AA	1956	1/1	0.85	0.19	58,58,58,58	0
56	MG	AA	2005	1/1	0.85	0.10	49,49,49,49	0
56	MG	BA	3466	1/1	0.85	0.27	67,67,67,67	0
56	MG	AA	1641	1/1	0.85	0.18	27,27,27,27	0
56	MG	DA	3449	1/1	0.85	0.09	53,53,53,53	0
56	MG	AA	1960	1/1	0.85	0.10	53,53,53,53	0
56	MG	B8	102	1/1	0.85	0.15	57,57,57,57	0
56	MG	BA	3162	1/1	0.85	0.10	58,58,58,58	0
56	MG	BA	3368	1/1	0.85	0.30	63,63,63,63	0
56	MG	AA	1873	1/1	0.85	0.22	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3047	1/1	0.85	0.08	54,54,54,54	0
56	MG	AX	403	1/1	0.86	0.06	68,68,68,68	0
56	MG	AA	1689	1/1	0.86	0.09	55,55,55,55	0
56	MG	DA	3103	1/1	0.86	0.37	62,62,62,62	0
56	MG	AA	1679	1/1	0.86	0.28	51,51,51,51	0
56	MG	AA	1820	1/1	0.86	0.09	46,46,46,46	0
56	MG	BA	3540	1/1	0.86	0.32	65,65,65,65	0
56	MG	BA	3356	1/1	0.86	0.13	54,54,54,54	0
56	MG	DA	3114	1/1	0.86	0.13	83,83,83,83	0
56	MG	DA	3119	1/1	0.86	0.16	58,58,58,58	0
56	MG	AA	2000	1/1	0.86	0.23	46,46,46,46	0
56	MG	AA	1743	1/1	0.86	0.18	63,63,63,63	0
56	MG	AA	1964	1/1	0.86	0.34	79,79,79,79	0
56	MG	AA	1825	1/1	0.86	0.11	31,31,31,31	0
56	MG	DA	3204	1/1	0.86	0.26	43,43,43,43	0
56	MG	AA	1799	1/1	0.86	0.08	31,31,31,31	0
56	MG	DA	3208	1/1	0.86	0.12	4,4,4,4	0
56	MG	AA	2016	1/1	0.86	0.26	43,43,43,43	0
56	MG	BA	3847	1/1	0.86	0.18	62,62,62,62	0
56	MG	DA	3230	1/1	0.86	0.23	58,58,58,58	0
56	MG	BA	3849	1/1	0.86	0.21	52,52,52,52	0
56	MG	BA	3850	1/1	0.86	0.09	54,54,54,54	0
56	MG	DA	3281	1/1	0.86	0.36	63,63,63,63	0
56	MG	AA	1687	1/1	0.86	0.14	47,47,47,47	0
56	MG	BA	3703	1/1	0.86	0.16	68,68,68,68	0
56	MG	BE	306	1/1	0.86	0.12	71,71,71,71	0
56	MG	BA	3860	1/1	0.86	0.24	62,62,62,62	0
56	MG	CA	1762	1/1	0.86	0.22	69,69,69,69	0
56	MG	AF	201	1/1	0.86	0.11	87,87,87,87	0
56	MG	BA	3705	1/1	0.86	0.21	42,42,42,42	0
56	MG	BA	3583	1/1	0.86	0.12	71,71,71,71	0
56	MG	BA	3709	1/1	0.86	0.19	70,70,70,70	0
56	MG	BA	3592	1/1	0.86	0.10	47,47,47,47	0
56	MG	CA	1773	1/1	0.86	0.19	66,66,66,66	0
56	MG	AA	2022	1/1	0.86	0.15	35,35,35,35	0
56	MG	BA	3129	1/1	0.86	0.09	48,48,48,48	0
56	MG	AA	1749	1/1	0.86	0.14	68,68,68,68	0
56	MG	BA	3482	1/1	0.86	0.24	63,63,63,63	0
56	MG	CA	1785	1/1	0.86	0.11	83,83,83,83	0
56	MG	BK	202	1/1	0.86	0.07	83,83,83,83	0
56	MG	AA	1979	1/1	0.86	0.08	58,58,58,58	0
56	MG	AA	1785	1/1	0.86	0.24	70,70,70,70	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3493	1/1	0.86	0.19	50,50,50,50	0
56	MG	BA	3207	1/1	0.86	0.12	73,73,73,73	0
56	MG	DA	3372	1/1	0.86	0.18	3,3,3,3	0
56	MG	BA	3208	1/1	0.86	0.15	86,86,86,86	0
56	MG	BA	3072	1/1	0.86	0.14	61,61,61,61	0
56	MG	AA	1984	1/1	0.86	0.17	39,39,39,39	0
56	MG	B1	106	1/1	0.86	0.07	56,56,56,56	0
56	MG	AA	1714	1/1	0.86	1.38	79,79,79,79	0
56	MG	AZ	111	1/1	0.86	0.09	71,71,71,71	0
56	MG	AA	1857	1/1	0.86	0.20	43,43,43,43	0
56	MG	BA	3337	1/1	0.86	0.14	69,69,69,69	0
56	MG	BA	3431	1/1	0.86	0.16	63,63,63,63	0
56	MG	BA	3432	1/1	0.86	0.09	52,52,52,52	0
56	MG	BB	203	1/1	0.86	0.14	51,51,51,51	0
56	MG	CA	1671	1/1	0.86	0.11	63,63,63,63	0
56	MG	BA	3523	1/1	0.86	0.21	62,62,62,62	0
56	MG	AA	1751	1/1	0.86	0.21	61,61,61,61	0
56	MG	CA	1678	1/1	0.86	0.27	49,49,49,49	0
56	MG	AY	122	1/1	0.87	0.13	58,58,58,58	0
56	MG	CA	1675	1/1	0.87	0.24	65,65,65,65	0
56	MG	DA	3101	1/1	0.87	0.56	64,64,64,64	0
56	MG	AA	1727	1/1	0.87	0.22	59,59,59,59	0
56	MG	AA	1928	1/1	0.87	0.07	52,52,52,52	0
56	MG	BA	3798	1/1	0.87	0.17	54,54,54,54	0
56	MG	CA	1681	1/1	0.87	0.12	3,3,3,3	0
56	MG	AA	1959	1/1	0.87	0.08	54,54,54,54	0
56	MG	BA	3268	1/1	0.87	0.11	45,45,45,45	0
56	MG	CA	1689	1/1	0.87	0.16	81,81,81,81	0
56	MG	BA	3561	1/1	0.87	0.21	75,75,75,75	0
56	MG	BA	3690	1/1	0.87	0.06	80,80,80,80	0
56	MG	BA	3467	1/1	0.87	0.30	21,21,21,21	0
56	MG	BB	218	1/1	0.87	0.24	78,78,78,78	0
56	MG	DA	3176	1/1	0.87	0.13	4,4,4,4	0
56	MG	CA	1712	1/1	0.87	0.13	39,39,39,39	0
56	MG	BA	3819	1/1	0.87	0.12	34,34,34,34	0
56	MG	BA	3693	1/1	0.87	0.07	62,62,62,62	0
56	MG	BA	3836	1/1	0.87	0.14	20,20,20,20	0
56	MG	AA	1788	1/1	0.87	0.21	66,66,66,66	0
56	MG	BA	3276	1/1	0.87	0.31	52,52,52,52	0
56	MG	BA	3845	1/1	0.87	0.32	68,68,68,68	0
56	MG	BA	3846	1/1	0.87	0.15	55,55,55,55	0
56	MG	DA	3251	1/1	0.87	0.11	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	AE	204	1/1	0.87	0.14	51,51,51,51	0
56	MG	BD	5004	1/1	0.87	0.17	50,50,50,50	0
56	MG	BA	3848	1/1	0.87	0.09	61,61,61,61	0
56	MG	AA	1616	1/1	0.87	0.10	47,47,47,47	0
56	MG	BA	3017	1/1	0.87	0.10	52,52,52,52	0
56	MG	CA	1759	1/1	0.87	0.08	48,48,48,48	0
56	MG	DA	3296	1/1	0.87	0.29	46,46,46,46	0
56	MG	AA	1892	1/1	0.87	0.19	30,30,30,30	0
56	MG	AA	1660	1/1	0.87	0.10	77,77,77,77	0
56	MG	DA	3302	1/1	0.87	0.26	44,44,44,44	0
56	MG	BA	3317	1/1	0.87	0.07	48,48,48,48	0
56	MG	BA	3710	1/1	0.87	0.09	52,52,52,52	0
56	MG	AA	1755	1/1	0.87	0.15	47,47,47,47	0
56	MG	BA	3403	1/1	0.87	0.08	98,98,98,98	0
56	MG	BF	306	1/1	0.87	0.06	47,47,47,47	0
56	MG	AA	1669	1/1	0.87	0.08	58,58,58,58	0
56	MG	BA	3610	1/1	0.87	0.13	38,38,38,38	0
56	MG	BA	3873	1/1	0.87	0.16	44,44,44,44	0
56	MG	AA	1942	1/1	0.87	0.07	34,34,34,34	0
56	MG	BA	3211	1/1	0.87	0.12	80,80,80,80	0
56	MG	DA	3347	1/1	0.87	0.08	35,35,35,35	0
56	MG	DA	3348	1/1	0.87	0.10	60,60,60,60	0
56	MG	BA	3883	1/1	0.87	0.18	67,67,67,67	0
56	MG	CA	1790	1/1	0.87	0.15	57,57,57,57	0
56	MG	AA	1611	1/1	0.87	0.15	48,48,48,48	0
56	MG	BA	3506	1/1	0.87	0.17	59,59,59,59	0
56	MG	BP	201	1/1	0.87	0.07	68,68,68,68	0
56	MG	AA	1944	1/1	0.87	0.07	48,48,48,48	0
56	MG	AA	1865	1/1	0.87	0.22	73,73,73,73	0
56	MG	BA	3512	1/1	0.87	0.11	62,62,62,62	0
56	MG	AA	1827	1/1	0.87	0.08	44,44,44,44	0
56	MG	BA	3235	1/1	0.87	0.06	47,47,47,47	0
56	MG	BA	3903	1/1	0.87	0.19	71,71,71,71	0
56	MG	AA	1770	1/1	0.87	0.12	52,52,52,52	0
56	MG	AY	104	1/1	0.87	0.11	64,64,64,64	0
56	MG	AA	1838	1/1	0.87	0.21	18,18,18,18	0
56	MG	DA	3400	1/1	0.87	0.33	52,52,52,52	0
56	MG	AA	1692	1/1	0.87	0.19	79,79,79,79	0
56	MG	AA	1878	1/1	0.87	0.25	67,67,67,67	0
56	MG	CA	1618	1/1	0.87	0.11	4,4,4,4	0
56	MG	CH	202	1/1	0.87	0.14	59,59,59,59	0
56	MG	DD	5003	1/1	0.87	0.07	65,65,65,65	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1680	1/1	0.87	0.33	51,51,51,51	0
56	MG	BA	3530	1/1	0.87	0.11	60,60,60,60	0
56	MG	BA	3109	1/1	0.87	0.09	70,70,70,70	0
56	MG	BA	3711	1/1	0.88	0.20	70,70,70,70	0
56	MG	B1	107	1/1	0.88	0.11	56,56,56,56	0
56	MG	BA	3023	1/1	0.88	0.09	44,44,44,44	0
56	MG	BA	3714	1/1	0.88	0.27	60,60,60,60	0
56	MG	BA	3888	1/1	0.88	0.21	53,53,53,53	0
56	MG	BA	3891	1/1	0.88	0.22	58,58,58,58	0
56	MG	BA	3587	1/1	0.88	0.28	40,40,40,40	0
56	MG	BA	3722	1/1	0.88	0.76	66,66,66,66	0
56	MG	AA	1988	1/1	0.88	0.18	65,65,65,65	0
56	MG	CA	1669	1/1	0.88	0.22	79,79,79,79	0
56	MG	AA	1853	1/1	0.88	0.09	24,24,24,24	0
56	MG	AA	1607	1/1	0.88	0.15	62,62,62,62	0
56	MG	BA	3740	1/1	0.88	0.20	53,53,53,53	0
56	MG	BA	3483	1/1	0.88	0.07	47,47,47,47	0
56	MG	BA	3387	1/1	0.88	0.06	56,56,56,56	0
56	MG	BA	3601	1/1	0.88	0.17	30,30,30,30	0
56	MG	BA	3607	1/1	0.88	0.15	40,40,40,40	0
56	MG	BA	3916	1/1	0.88	0.20	59,59,59,59	0
56	MG	CA	1683	1/1	0.88	0.09	61,61,61,61	0
56	MG	AA	1793	1/1	0.88	0.32	82,82,82,82	0
56	MG	BA	3491	1/1	0.88	0.24	38,38,38,38	0
56	MG	BA	3390	1/1	0.88	0.07	67,67,67,67	0
56	MG	AK	202	1/1	0.88	0.07	95,95,95,95	0
56	MG	AA	1822	1/1	0.88	0.19	40,40,40,40	0
56	MG	DA	3210	1/1	0.88	0.16	3,3,3,3	0
56	MG	CA	1697	1/1	0.88	0.08	52,52,52,52	0
56	MG	BA	3398	1/1	0.88	0.08	56,56,56,56	0
56	MG	DA	3238	1/1	0.88	0.07	62,62,62,62	0
56	MG	AA	1650	1/1	0.88	0.08	45,45,45,45	0
56	MG	DA	3245	1/1	0.88	0.10	41,41,41,41	0
56	MG	BB	208	1/1	0.88	0.07	63,63,63,63	0
56	MG	BA	3502	1/1	0.88	0.06	61,61,61,61	0
56	MG	BA	3626	1/1	0.88	0.08	62,62,62,62	0
56	MG	BA	3184	1/1	0.88	0.05	45,45,45,45	0
56	MG	AY	109	1/1	0.88	0.05	47,47,47,47	0
56	MG	AL	202	1/1	0.88	0.10	34,34,34,34	0
56	MG	AA	1694	1/1	0.88	0.16	52,52,52,52	0
56	MG	CA	1727	1/1	0.88	0.20	53,53,53,53	0
56	MG	CA	1729	1/1	0.88	0.19	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	3643	1/1	0.88	0.29	68,68,68,68	0
56	MG	BA	3045	1/1	0.88	0.18	56,56,56,56	0
56	MG	BA	3515	1/1	0.88	0.05	68,68,68,68	0
56	MG	BA	3657	1/1	0.88	0.34	56,56,56,56	0
56	MG	BA	3801	1/1	0.88	0.16	51,51,51,51	0
56	MG	AA	1786	1/1	0.88	0.11	61,61,61,61	0
56	MG	AA	1662	1/1	0.88	0.11	45,45,45,45	0
56	MG	BA	3662	1/1	0.88	0.18	35,35,35,35	0
56	MG	AA	1966	1/1	0.88	0.05	29,29,29,29	0
56	MG	AA	1842	1/1	0.88	0.32	75,75,75,75	0
56	MG	BA	3054	1/1	0.88	0.21	63,63,63,63	0
56	MG	AX	409	1/1	0.88	0.16	47,47,47,47	0
56	MG	AA	1909	1/1	0.88	0.23	55,55,55,55	0
56	MG	BA	3841	1/1	0.88	0.14	31,31,31,31	0
56	MG	AA	2015	1/1	0.88	0.09	40,40,40,40	0
56	MG	AX	412	1/1	0.88	0.12	56,56,56,56	0
56	MG	CA	1779	1/1	0.88	0.07	76,76,76,76	0
56	MG	BA	3532	1/1	0.88	0.13	55,55,55,55	0
56	MG	AB	307	1/1	0.88	0.08	45,45,45,45	0
56	MG	BA	3234	1/1	0.88	0.21	55,55,55,55	0
56	MG	AC	302	1/1	0.88	0.08	88,88,88,88	0
56	MG	BA	3239	1/1	0.88	0.27	69,69,69,69	0
56	MG	BH	201	1/1	0.88	0.07	54,54,54,54	0
56	MG	BA	3694	1/1	0.88	0.15	77,77,77,77	0
56	MG	AC	304	1/1	0.88	0.21	72,72,72,72	0
56	MG	BA	3859	1/1	0.88	0.05	80,80,80,80	0
56	MG	AA	1756	1/1	0.88	0.18	41,41,41,41	0
56	MG	AA	1763	1/1	0.88	0.06	41,41,41,41	0
56	MG	BA	3700	1/1	0.88	0.14	72,72,72,72	0
56	MG	DA	3425	1/1	0.88	0.09	5,5,5,5	0
56	MG	AA	1624	1/1	0.88	0.14	43,43,43,43	0
56	MG	AA	1712	1/1	0.88	0.24	35,35,35,35	0
56	MG	BR	201	1/1	0.88	0.09	34,34,34,34	0
56	MG	AA	1983	1/1	0.88	0.27	67,67,67,67	0
56	MG	BA	3577	1/1	0.88	0.06	60,60,60,60	0
56	MG	BA	3874	1/1	0.88	0.23	103,103,103,103	0
56	MG	BA	3369	1/1	0.88	0.14	60,60,60,60	0
56	MG	AA	1848	1/1	0.88	0.31	56,56,56,56	0
56	MG	AA	1884	1/1	0.89	0.09	26,26,26,26	0
56	MG	BA	3150	1/1	0.89	0.09	41,41,41,41	0
56	MG	BA	3154	1/1	0.89	0.15	41,41,41,41	0
56	MG	BA	3564	1/1	0.89	0.28	54,54,54,54	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1629	1/1	0.89	0.06	32,32,32,32	0
56	MG	BA	3572	1/1	0.89	0.20	34,34,34,34	0
56	MG	BA	3059	1/1	0.89	0.10	74,74,74,74	0
56	MG	BA	3748	1/1	0.89	0.23	35,35,35,35	0
56	MG	AA	1999	1/1	0.89	0.16	47,47,47,47	0
56	MG	AY	124	1/1	0.89	0.31	51,51,51,51	0
56	MG	BA	3421	1/1	0.89	0.10	45,45,45,45	0
56	MG	AB	301	1/1	0.89	0.07	62,62,62,62	0
56	MG	BA	3754	1/1	0.89	0.28	44,44,44,44	0
56	MG	BA	3425	1/1	0.89	0.12	48,48,48,48	0
56	MG	BB	235	1/1	0.89	0.12	59,59,59,59	0
56	MG	AA	1921	1/1	0.89	0.14	60,60,60,60	0
56	MG	BA	3429	1/1	0.89	0.09	51,51,51,51	0
56	MG	BA	3270	1/1	0.89	0.22	64,64,64,64	0
56	MG	BE	301	1/1	0.89	0.14	55,55,55,55	0
56	MG	BA	3781	1/1	0.89	0.20	85,85,85,85	0
56	MG	BA	3785	1/1	0.89	0.17	25,25,25,25	0
56	MG	AA	1766	1/1	0.89	0.25	33,33,33,33	0
56	MG	BA	3273	1/1	0.89	0.20	74,74,74,74	0
56	MG	BA	3164	1/1	0.89	0.16	35,35,35,35	0
56	MG	BA	3166	1/1	0.89	0.21	63,63,63,63	0
56	MG	BA	3606	1/1	0.89	0.17	52,52,52,52	0
56	MG	BA	3795	1/1	0.89	0.09	84,84,84,84	0
56	MG	BA	3283	1/1	0.89	0.40	63,63,63,63	0
56	MG	BA	3799	1/1	0.89	0.10	29,29,29,29	0
56	MG	BA	3288	1/1	0.89	0.13	43,43,43,43	0
56	MG	CL	201	1/1	0.89	0.19	67,67,67,67	0
56	MG	DA	3007	1/1	0.89	0.12	25,25,25,25	0
56	MG	DA	3035	1/1	0.89	0.12	3,3,3,3	0
56	MG	BA	3296	1/1	0.89	0.24	68,68,68,68	0
56	MG	BA	3446	1/1	0.89	0.05	58,58,58,58	0
56	MG	DA	3087	1/1	0.89	0.10	3,3,3,3	0
56	MG	BA	3167	1/1	0.89	0.33	22,22,22,22	0
56	MG	BA	3452	1/1	0.89	0.09	44,44,44,44	0
56	MG	AA	1889	1/1	0.89	0.13	30,30,30,30	0
56	MG	BN	202	1/1	0.89	0.06	46,46,46,46	0
56	MG	AA	1695	1/1	0.89	0.10	52,52,52,52	0
56	MG	DA	3106	1/1	0.89	0.10	46,46,46,46	0
56	MG	BO	201	1/1	0.89	0.09	62,62,62,62	0
56	MG	BO	203	1/1	0.89	0.09	55,55,55,55	0
56	MG	BO	204	1/1	0.89	0.26	50,50,50,50	0
56	MG	AA	1895	1/1	0.89	0.07	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	AA	1896	1/1	0.89	0.08	26,26,26,26	0
56	MG	AA	1934	1/1	0.89	0.05	65,65,65,65	0
56	MG	BA	3840	1/1	0.89	0.23	56,56,56,56	0
56	MG	AA	2020	1/1	0.89	0.15	74,74,74,74	0
56	MG	BA	3325	1/1	0.89	0.08	66,66,66,66	0
56	MG	BX	101	1/1	0.89	0.15	67,67,67,67	0
56	MG	AA	1738	1/1	0.89	0.07	47,47,47,47	0
56	MG	B0	101	1/1	0.89	0.16	63,63,63,63	0
56	MG	BA	3328	1/1	0.89	0.06	38,38,38,38	0
56	MG	BA	3083	1/1	0.89	0.56	71,71,71,71	0
56	MG	BA	3652	1/1	0.89	0.08	28,28,28,28	0
56	MG	BA	3479	1/1	0.89	0.21	30,30,30,30	0
56	MG	BA	3178	1/1	0.89	0.21	51,51,51,51	0
56	MG	AA	1817	1/1	0.89	0.23	29,29,29,29	0
56	MG	BA	3855	1/1	0.89	0.20	49,49,49,49	0
56	MG	BA	3856	1/1	0.89	0.12	36,36,36,36	0
56	MG	B8	104	1/1	0.89	0.08	49,49,49,49	0
56	MG	DA	3278	1/1	0.89	0.17	60,60,60,60	0
56	MG	BA	3090	1/1	0.89	0.14	43,43,43,43	0
56	MG	CA	1645	1/1	0.89	0.09	6,6,6,6	0
56	MG	BA	3334	1/1	0.89	0.07	77,77,77,77	0
56	MG	BA	3026	1/1	0.89	0.16	33,33,33,33	0
56	MG	AA	2024	1/1	0.89	0.22	53,53,53,53	0
56	MG	BA	3669	1/1	0.89	0.31	52,52,52,52	0
56	MG	AA	1739	1/1	0.89	0.30	55,55,55,55	0
56	MG	BA	3494	1/1	0.89	0.23	44,44,44,44	0
56	MG	CA	1676	1/1	0.89	0.21	42,42,42,42	0
56	MG	BA	3195	1/1	0.89	0.13	47,47,47,47	0
56	MG	BA	3197	1/1	0.89	0.27	85,85,85,85	0
56	MG	BA	3101	1/1	0.89	0.29	47,47,47,47	0
56	MG	DA	3308	1/1	0.89	0.05	46,46,46,46	0
56	MG	BA	3199	1/1	0.89	0.25	65,65,65,65	0
56	MG	AA	1602	1/1	0.89	0.47	74,74,74,74	0
56	MG	DA	3312	1/1	0.89	0.10	46,46,46,46	0
56	MG	BA	3359	1/1	0.89	0.59	70,70,70,70	0
56	MG	AA	1980	1/1	0.89	0.10	38,38,38,38	0
56	MG	CA	1686	1/1	0.89	0.19	48,48,48,48	0
56	MG	BA	3507	1/1	0.89	0.26	82,82,82,82	0
56	MG	AZ	108	1/1	0.89	0.09	60,60,60,60	0
56	MG	DA	3336	1/1	0.89	0.20	25,25,25,25	0
56	MG	AA	1726	1/1	0.89	0.08	53,53,53,53	0
56	MG	AA	1906	1/1	0.89	0.06	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	BA	3514	1/1	0.89	0.28	53,53,53,53	0
56	MG	CA	1704	1/1	0.89	0.19	63,63,63,63	0
56	MG	BA	3895	1/1	0.89	0.07	51,51,51,51	0
56	MG	CA	1709	1/1	0.89	0.11	55,55,55,55	0
56	MG	BA	3896	1/1	0.89	0.05	58,58,58,58	0
56	MG	DA	3367	1/1	0.89	0.06	59,59,59,59	0
56	MG	AA	1948	1/1	0.89	0.20	56,56,56,56	0
56	MG	BA	3114	1/1	0.89	0.17	63,63,63,63	0
56	MG	BA	3229	1/1	0.89	0.06	47,47,47,47	0
56	MG	AA	1646	1/1	0.89	0.15	38,38,38,38	0
56	MG	BA	3706	1/1	0.89	0.16	45,45,45,45	0
56	MG	AA	1804	1/1	0.89	0.17	56,56,56,56	0
56	MG	AA	1854	1/1	0.89	0.08	39,39,39,39	0
56	MG	BA	3386	1/1	0.89	0.17	79,79,79,79	0
56	MG	BA	3914	1/1	0.89	0.05	47,47,47,47	0
56	MG	AO	102	1/1	0.89	0.07	48,48,48,48	0
56	MG	BA	3049	1/1	0.89	0.17	56,56,56,56	0
56	MG	AA	1807	1/1	0.89	0.12	36,36,36,36	0
56	MG	CA	1743	1/1	0.89	0.09	52,52,52,52	0
56	MG	DA	3451	1/1	0.89	0.39	23,23,23,23	0
56	MG	DA	3453	1/1	0.89	0.22	3,3,3,3	0
56	MG	BA	3717	1/1	0.89	0.22	67,67,67,67	0
56	MG	BA	3248	1/1	0.89	0.08	43,43,43,43	0
56	MG	AY	111	1/1	0.89	0.22	60,60,60,60	0
56	MG	BA	3394	1/1	0.89	0.09	41,41,41,41	0
56	MG	AA	1882	1/1	0.89	0.36	53,53,53,53	0
56	MG	CA	1766	1/1	0.89	0.17	64,64,64,64	0
56	MG	AA	1996	1/1	0.89	0.06	56,56,56,56	0
56	MG	CH	201	1/1	0.90	0.19	58,58,58,58	0
56	MG	BA	3621	1/1	0.90	0.14	50,50,50,50	0
56	MG	BA	3749	1/1	0.90	0.50	53,53,53,53	0
56	MG	B5	101	1/1	0.90	0.19	63,63,63,63	0
56	MG	AA	1718	1/1	0.90	0.22	79,79,79,79	0
56	MG	BA	3280	1/1	0.90	0.11	29,29,29,29	0
56	MG	BA	3625	1/1	0.90	0.07	43,43,43,43	0
56	MG	BA	3187	1/1	0.90	0.09	54,54,54,54	0
56	MG	BA	3627	1/1	0.90	0.18	22,22,22,22	0
56	MG	DA	3060	1/1	0.90	0.06	4,4,4,4	0
56	MG	DA	3063	1/1	0.90	0.10	3,3,3,3	0
56	MG	DA	3074	1/1	0.90	0.15	3,3,3,3	0
56	MG	DA	3078	1/1	0.90	0.12	4,4,4,4	0
56	MG	CA	1648	1/1	0.90	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	BA	3913	1/1	0.90	0.06	45,45,45,45	0
56	MG	BA	3285	1/1	0.90	0.24	48,48,48,48	0
56	MG	AA	1871	1/1	0.90	0.14	68,68,68,68	0
56	MG	BA	3763	1/1	0.90	0.18	52,52,52,52	0
56	MG	BA	3764	1/1	0.90	0.10	45,45,45,45	0
56	MG	CA	1674	1/1	0.90	0.31	57,57,57,57	0
56	MG	BA	3921	1/1	0.90	0.16	53,53,53,53	0
56	MG	AA	1767	1/1	0.90	0.07	45,45,45,45	0
56	MG	AX	408	1/1	0.90	0.15	57,57,57,57	0
56	MG	BB	202	1/1	0.90	0.18	50,50,50,50	0
56	MG	DA	3115	1/1	0.90	0.11	62,62,62,62	0
56	MG	DA	3118	1/1	0.90	0.14	6,6,6,6	0
56	MG	BA	3051	1/1	0.90	0.05	44,44,44,44	0
56	MG	AA	1978	1/1	0.90	0.18	35,35,35,35	0
56	MG	BA	3651	1/1	0.90	0.23	37,37,37,37	0
56	MG	AA	1768	1/1	0.90	0.23	37,37,37,37	0
56	MG	AA	1683	1/1	0.90	0.13	74,74,74,74	0
56	MG	DA	3180	1/1	0.90	0.15	3,3,3,3	0
56	MG	BA	3056	1/1	0.90	0.17	66,66,66,66	0
56	MG	DA	3200	1/1	0.90	0.29	3,3,3,3	0
56	MG	BA	3416	1/1	0.90	0.07	55,55,55,55	0
56	MG	DA	3205	1/1	0.90	0.34	38,38,38,38	0
56	MG	CA	1690	1/1	0.90	0.17	54,54,54,54	0
56	MG	BA	3518	1/1	0.90	0.27	58,58,58,58	0
56	MG	BB	214	1/1	0.90	0.04	55,55,55,55	0
56	MG	AA	1907	1/1	0.90	0.23	76,76,76,76	0
56	MG	BA	3131	1/1	0.90	0.15	72,72,72,72	0
56	MG	AA	1796	1/1	0.90	0.20	60,60,60,60	0
56	MG	DA	3231	1/1	0.90	0.23	72,72,72,72	0
56	MG	DA	3237	1/1	0.90	0.06	51,51,51,51	0
56	MG	BB	220	1/1	0.90	0.20	84,84,84,84	0
56	MG	BA	3002	1/1	0.90	0.07	47,47,47,47	0
56	MG	BA	3003	1/1	0.90	0.09	36,36,36,36	0
56	MG	BA	3213	1/1	0.90	0.22	43,43,43,43	0
56	MG	DA	3271	1/1	0.90	0.10	3,3,3,3	0
56	MG	AA	1851	1/1	0.90	0.38	69,69,69,69	0
56	MG	BA	3815	1/1	0.90	0.09	28,28,28,28	0
56	MG	CA	1719	1/1	0.90	0.17	60,60,60,60	0
56	MG	CA	1721	1/1	0.90	0.11	49,49,49,49	0
56	MG	BA	3684	1/1	0.90	0.21	50,50,50,50	0
56	MG	DA	3286	1/1	0.90	0.16	33,33,33,33	0
56	MG	BA	3146	1/1	0.90	0.17	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	BA	3147	1/1	0.90	0.09	52,52,52,52	0
56	MG	DA	3295	1/1	0.90	0.13	33,33,33,33	0
56	MG	BA	3535	1/1	0.90	0.36	62,62,62,62	0
56	MG	AE	201	1/1	0.90	0.16	52,52,52,52	0
56	MG	BA	3839	1/1	0.90	0.37	60,60,60,60	0
56	MG	BA	3440	1/1	0.90	0.31	73,73,73,73	0
56	MG	BA	3336	1/1	0.90	0.08	45,45,45,45	0
56	MG	BE	303	1/1	0.90	0.14	53,53,53,53	0
56	MG	BA	3692	1/1	0.90	0.17	52,52,52,52	0
56	MG	CA	1744	1/1	0.90	0.09	36,36,36,36	0
56	MG	BA	3443	1/1	0.90	0.14	71,71,71,71	0
56	MG	AZ	103	1/1	0.90	0.09	66,66,66,66	0
56	MG	BA	3338	1/1	0.90	0.09	56,56,56,56	0
56	MG	AA	1986	1/1	0.90	0.29	52,52,52,52	0
56	MG	BA	3067	1/1	0.90	0.09	48,48,48,48	0
56	MG	DA	3317	1/1	0.90	0.08	43,43,43,43	0
56	MG	AA	1880	1/1	0.90	0.09	40,40,40,40	0
56	MG	BA	3701	1/1	0.90	0.06	58,58,58,58	0
56	MG	BA	3702	1/1	0.90	0.08	83,83,83,83	0
56	MG	BG	202	1/1	0.90	0.18	63,63,63,63	0
56	MG	AA	1733	1/1	0.90	0.15	38,38,38,38	0
56	MG	AA	1620	1/1	0.90	0.33	56,56,56,56	0
56	MG	AA	1914	1/1	0.90	0.21	70,70,70,70	0
56	MG	BA	3576	1/1	0.90	0.19	43,43,43,43	0
56	MG	AZ	114	1/1	0.90	0.18	60,60,60,60	0
56	MG	BA	3361	1/1	0.90	0.29	16,16,16,16	0
56	MG	AH	201	1/1	0.90	0.13	27,27,27,27	0
56	MG	BA	3364	1/1	0.90	0.35	40,40,40,40	0
56	MG	AH	202	1/1	0.90	0.06	51,51,51,51	0
56	MG	CA	1789	1/1	0.90	0.11	43,43,43,43	0
56	MG	AA	1856	1/1	0.90	0.21	49,49,49,49	0
56	MG	DA	3376	1/1	0.90	0.12	75,75,75,75	0
56	MG	BA	3477	1/1	0.90	0.17	53,53,53,53	0
56	MG	BA	3088	1/1	0.90	0.24	63,63,63,63	0
56	MG	BA	3259	1/1	0.90	0.16	44,44,44,44	0
56	MG	AA	1725	1/1	0.90	0.08	56,56,56,56	0
56	MG	BA	3481	1/1	0.90	0.13	65,65,65,65	0
56	MG	AA	1887	1/1	0.90	0.14	31,31,31,31	0
56	MG	BV	202	1/1	0.90	0.12	38,38,38,38	0
56	MG	DA	3405	1/1	0.90	0.04	4,4,4,4	0
56	MG	AA	1636	1/1	0.90	0.15	67,67,67,67	0
56	MG	DA	3428	1/1	0.90	0.14	3,3,3,3	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CZ	110	1/1	0.90	0.06	68,68,68,68	0
56	MG	BA	3889	1/1	0.90	0.07	44,44,44,44	0
56	MG	AA	1828	1/1	0.90	0.24	69,69,69,69	0
56	MG	AA	1659	1/1	0.90	0.08	49,49,49,49	0
56	MG	AY	116	1/1	0.90	0.05	40,40,40,40	0
56	MG	AA	1745	1/1	0.90	0.05	75,75,75,75	0
56	MG	DA	3482	1/1	0.90	0.15	4,4,4,4	0
56	MG	CB	301	1/1	0.90	0.14	39,39,39,39	0
56	MG	CF	201	1/1	0.90	0.06	40,40,40,40	0
56	MG	AA	1748	1/1	0.90	0.08	41,41,41,41	0
56	MG	DG	202	1/1	0.90	0.06	59,59,59,59	0
56	MG	AA	1868	1/1	0.90	0.13	38,38,38,38	0
56	MG	AA	1747	1/1	0.91	0.19	41,41,41,41	0
56	MG	CZ	108	1/1	0.91	0.10	69,69,69,69	0
56	MG	BA	3632	1/1	0.91	0.17	51,51,51,51	0
56	MG	BA	3637	1/1	0.91	0.17	61,61,61,61	0
56	MG	BA	3638	1/1	0.91	0.18	48,48,48,48	0
56	MG	BA	3486	1/1	0.91	0.07	36,36,36,36	0
56	MG	BA	3363	1/1	0.91	0.20	42,42,42,42	0
56	MG	BA	3814	1/1	0.91	0.11	47,47,47,47	0
56	MG	CY	110	1/1	0.91	0.14	90,90,90,90	0
56	MG	AA	1961	1/1	0.91	0.17	61,61,61,61	0
56	MG	BI	202	1/1	0.91	0.11	53,53,53,53	0
56	MG	BI	203	1/1	0.91	0.10	53,53,53,53	0
56	MG	BI	205	1/1	0.91	0.18	45,45,45,45	0
56	MG	BK	201	1/1	0.91	0.09	60,60,60,60	0
56	MG	AB	304	1/1	0.91	0.11	73,73,73,73	0
56	MG	BK	203	1/1	0.91	0.14	72,72,72,72	0
56	MG	CK	201	1/1	0.91	0.08	70,70,70,70	0
56	MG	AA	1666	1/1	0.91	0.08	61,61,61,61	0
56	MG	BA	3495	1/1	0.91	0.11	48,48,48,48	0
56	MG	BA	3062	1/1	0.91	0.12	56,56,56,56	0
56	MG	CQ	201	1/1	0.91	0.18	3,3,3,3	0
56	MG	BA	3655	1/1	0.91	0.13	38,38,38,38	0
56	MG	BA	3001	1/1	0.91	0.09	38,38,38,38	0
56	MG	AA	1852	1/1	0.91	0.14	18,18,18,18	0
56	MG	AA	1970	1/1	0.91	0.20	52,52,52,52	0
56	MG	BQ	203	1/1	0.91	0.09	46,46,46,46	0
56	MG	BQ	205	1/1	0.91	0.05	57,57,57,57	0
56	MG	DA	3065	1/1	0.91	0.17	45,45,45,45	0
56	MG	DA	3066	1/1	0.91	0.15	43,43,43,43	0
56	MG	BA	3375	1/1	0.91	0.08	76,76,76,76	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BS	201	1/1	0.91	0.05	46,46,46,46	0
56	MG	BA	3664	1/1	0.91	0.15	23,23,23,23	0
56	MG	BA	3665	1/1	0.91	0.12	24,24,24,24	0
56	MG	AC	301	1/1	0.91	0.07	75,75,75,75	0
56	MG	AA	1774	1/1	0.91	0.13	39,39,39,39	0
56	MG	BA	3383	1/1	0.91	0.13	53,53,53,53	0
56	MG	BA	3670	1/1	0.91	0.18	37,37,37,37	0
56	MG	BA	3671	1/1	0.91	0.25	57,57,57,57	0
56	MG	BA	3675	1/1	0.91	0.17	43,43,43,43	0
56	MG	BA	3257	1/1	0.91	0.15	28,28,28,28	0
56	MG	AA	1777	1/1	0.91	0.14	53,53,53,53	0
56	MG	BA	3858	1/1	0.91	0.25	60,60,60,60	0
56	MG	AA	1974	1/1	0.91	0.13	48,48,48,48	0
56	MG	AA	1814	1/1	0.91	0.08	47,47,47,47	0
56	MG	BA	3073	1/1	0.91	0.21	57,57,57,57	0
56	MG	B5	102	1/1	0.91	0.10	49,49,49,49	0
56	MG	AA	1779	1/1	0.91	0.20	34,34,34,34	0
56	MG	AA	1697	1/1	0.91	0.19	48,48,48,48	0
56	MG	DA	3135	1/1	0.91	0.11	3,3,3,3	0
56	MG	DA	3170	1/1	0.91	0.14	3,3,3,3	0
56	MG	AA	1713	1/1	0.91	0.31	39,39,39,39	0
56	MG	AA	1729	1/1	0.91	0.09	60,60,60,60	0
56	MG	DA	3188	1/1	0.91	0.09	3,3,3,3	0
56	MG	DA	3190	1/1	0.91	0.12	4,4,4,4	0
56	MG	BA	3871	1/1	0.91	0.44	65,65,65,65	0
56	MG	BA	3271	1/1	0.91	0.23	57,57,57,57	0
56	MG	AA	1671	1/1	0.91	0.07	59,59,59,59	0
56	MG	BA	3172	1/1	0.91	0.26	54,54,54,54	0
56	MG	BA	3025	1/1	0.91	0.05	58,58,58,58	0
56	MG	AA	1656	1/1	0.91	0.04	47,47,47,47	0
56	MG	BA	3028	1/1	0.91	0.14	39,39,39,39	0
56	MG	BA	3411	1/1	0.91	0.14	51,51,51,51	0
56	MG	AA	1734	1/1	0.91	0.15	27,27,27,27	0
56	MG	DA	3221	1/1	0.91	0.29	52,52,52,52	0
56	MG	AA	1947	1/1	0.91	0.11	45,45,45,45	0
56	MG	BA	3537	1/1	0.91	0.12	38,38,38,38	0
56	MG	BA	3180	1/1	0.91	0.23	36,36,36,36	0
56	MG	AA	1905	1/1	0.91	0.05	50,50,50,50	0
56	MG	DA	3239	1/1	0.91	0.11	78,78,78,78	0
56	MG	CA	1680	1/1	0.91	0.05	34,34,34,34	0
56	MG	BA	3183	1/1	0.91	0.10	57,57,57,57	0
56	MG	BA	3423	1/1	0.91	0.10	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	BA	3556	1/1	0.91	0.12	45,45,45,45	0
56	MG	BA	3037	1/1	0.91	0.16	61,61,61,61	0
56	MG	BA	3301	1/1	0.91	0.11	31,31,31,31	0
56	MG	CA	1688	1/1	0.91	0.15	54,54,54,54	0
56	MG	BA	3563	1/1	0.91	0.26	57,57,57,57	0
56	MG	BA	3302	1/1	0.91	0.15	47,47,47,47	0
56	MG	CA	1693	1/1	0.91	0.05	58,58,58,58	0
56	MG	BA	3430	1/1	0.91	0.14	45,45,45,45	0
56	MG	BA	3570	1/1	0.91	0.25	62,62,62,62	0
56	MG	BA	3718	1/1	0.91	0.15	51,51,51,51	0
56	MG	BA	3186	1/1	0.91	0.12	67,67,67,67	0
56	MG	BA	3310	1/1	0.91	0.15	73,73,73,73	0
56	MG	BA	3724	1/1	0.91	0.06	29,29,29,29	0
56	MG	AA	1735	1/1	0.91	0.14	44,44,44,44	0
56	MG	BA	3919	1/1	0.91	0.07	49,49,49,49	0
56	MG	BA	3730	1/1	0.91	0.42	86,86,86,86	0
56	MG	BA	3316	1/1	0.91	0.04	35,35,35,35	0
56	MG	CA	1715	1/1	0.91	0.10	40,40,40,40	0
56	MG	AY	101	1/1	0.91	0.06	68,68,68,68	0
56	MG	BA	3733	1/1	0.91	0.11	38,38,38,38	0
56	MG	BA	3735	1/1	0.91	0.10	29,29,29,29	0
56	MG	BA	3737	1/1	0.91	0.15	50,50,50,50	0
56	MG	BB	204	1/1	0.91	0.07	51,51,51,51	0
56	MG	BA	3578	1/1	0.91	0.11	48,48,48,48	0
56	MG	BA	3105	1/1	0.91	0.10	30,30,30,30	0
56	MG	BA	3580	1/1	0.91	0.08	54,54,54,54	0
56	MG	DA	3323	1/1	0.91	0.22	3,3,3,3	0
56	MG	BA	3106	1/1	0.91	0.14	68,68,68,68	0
56	MG	BA	3324	1/1	0.91	0.08	50,50,50,50	0
56	MG	BA	3584	1/1	0.91	0.12	54,54,54,54	0
56	MG	AA	1758	1/1	0.91	0.06	22,22,22,22	0
56	MG	AA	1675	1/1	0.91	0.24	58,58,58,58	0
56	MG	DA	3353	1/1	0.91	0.16	61,61,61,61	0
56	MG	AY	108	1/1	0.91	0.15	59,59,59,59	0
56	MG	BB	216	1/1	0.91	0.18	46,46,46,46	0
56	MG	AK	205	1/1	0.91	0.09	61,61,61,61	0
56	MG	BA	3200	1/1	0.91	0.15	76,76,76,76	0
56	MG	AA	1836	1/1	0.91	0.10	53,53,53,53	0
56	MG	BA	3046	1/1	0.91	0.10	38,38,38,38	0
56	MG	BA	3205	1/1	0.91	0.24	55,55,55,55	0
56	MG	BA	3755	1/1	0.91	0.17	58,58,58,58	0
56	MG	BA	3756	1/1	0.91	0.29	49,49,49,49	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3380	1/1	0.91	0.06	64,64,64,64	0
56	MG	AA	1705	1/1	0.91	0.19	50,50,50,50	0
56	MG	DA	3387	1/1	0.91	0.21	77,77,77,77	0
56	MG	AY	112	1/1	0.91	0.21	38,38,38,38	0
56	MG	BA	3209	1/1	0.91	0.12	54,54,54,54	0
56	MG	DA	3392	1/1	0.91	0.17	38,38,38,38	0
56	MG	BA	3468	1/1	0.91	0.32	22,22,22,22	0
56	MG	BD	5002	1/1	0.91	0.12	82,82,82,82	0
56	MG	AA	1742	1/1	0.91	0.10	67,67,67,67	0
56	MG	BA	3768	1/1	0.91	0.06	31,31,31,31	0
56	MG	DA	3401	1/1	0.91	0.07	39,39,39,39	0
56	MG	DA	3403	1/1	0.91	0.14	64,64,64,64	0
56	MG	AY	115	1/1	0.91	0.25	65,65,65,65	0
56	MG	BA	3617	1/1	0.91	0.36	66,66,66,66	0
56	MG	AA	1707	1/1	0.91	0.11	37,37,37,37	0
56	MG	BA	3787	1/1	0.91	0.24	47,47,47,47	0
56	MG	AA	1802	1/1	0.91	0.06	39,39,39,39	0
56	MG	AA	1676	1/1	0.91	0.13	66,66,66,66	0
56	MG	BA	3230	1/1	0.91	0.10	60,60,60,60	0
56	MG	CA	1810	1/1	0.91	0.42	59,59,59,59	0
56	MG	AA	2002	1/1	0.91	0.20	47,47,47,47	0
56	MG	AA	1645	1/1	0.91	0.10	42,42,42,42	0
56	MG	BA	3360	1/1	0.91	0.19	65,65,65,65	0
56	MG	DD	5005	1/1	0.91	0.13	51,51,51,51	0
56	MG	CA	1816	1/1	0.91	0.17	61,61,61,61	0
56	MG	CA	1821	1/1	0.91	0.20	29,29,29,29	0
56	MG	BA	3141	1/1	0.91	0.14	68,68,68,68	0
56	MG	DI	201	1/1	0.91	0.15	38,38,38,38	0
56	MG	CZ	105	1/1	0.91	0.17	74,74,74,74	0
56	MG	BA	3148	1/1	0.92	0.25	35,35,35,35	0
56	MG	BA	3881	1/1	0.92	0.34	68,68,68,68	0
56	MG	B1	104	1/1	0.92	0.12	38,38,38,38	0
56	MG	BA	3149	1/1	0.92	0.15	29,29,29,29	0
56	MG	BA	3715	1/1	0.92	0.17	28,28,28,28	0
56	MG	BA	3885	1/1	0.92	0.10	67,67,67,67	0
56	MG	BA	3447	1/1	0.92	0.06	31,31,31,31	0
56	MG	AA	1867	1/1	0.92	0.16	51,51,51,51	0
56	MG	DA	3050	1/1	0.92	0.23	3,3,3,3	0
56	MG	DA	3054	1/1	0.92	0.05	5,5,5,5	0
56	MG	BA	3152	1/1	0.92	0.14	49,49,49,49	0
56	MG	BA	3890	1/1	0.92	0.14	25,25,25,25	0
56	MG	AA	1886	1/1	0.92	0.14	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	AA	1957	1/1	0.92	0.07	61,61,61,61	0
56	MG	B8	101	1/1	0.92	0.13	30,30,30,30	0
56	MG	BA	3590	1/1	0.92	0.06	32,32,32,32	0
56	MG	BA	3075	1/1	0.92	0.27	29,29,29,29	0
56	MG	CA	1601	1/1	0.92	0.19	3,3,3,3	0
56	MG	BA	3593	1/1	0.92	0.21	64,64,64,64	0
56	MG	CA	1626	1/1	0.92	0.27	3,3,3,3	0
56	MG	CA	1630	1/1	0.92	0.29	3,3,3,3	0
56	MG	AA	1654	1/1	0.92	0.09	75,75,75,75	0
56	MG	DA	3104	1/1	0.92	0.10	21,21,21,21	0
56	MG	BA	3462	1/1	0.92	0.10	35,35,35,35	0
56	MG	BA	3465	1/1	0.92	0.39	59,59,59,59	0
56	MG	BA	3736	1/1	0.92	0.22	26,26,26,26	0
56	MG	BA	3347	1/1	0.92	0.07	43,43,43,43	0
56	MG	BA	3246	1/1	0.92	0.11	60,60,60,60	0
56	MG	BA	3247	1/1	0.92	0.24	42,42,42,42	0
56	MG	AA	2023	1/1	0.92	0.06	33,33,33,33	0
56	MG	BA	3910	1/1	0.92	0.08	40,40,40,40	0
56	MG	AA	1797	1/1	0.92	0.28	21,21,21,21	0
56	MG	BA	3251	1/1	0.92	0.18	41,41,41,41	0
56	MG	AA	2026	1/1	0.92	0.07	26,26,26,26	0
56	MG	BA	3034	1/1	0.92	0.06	43,43,43,43	0
56	MG	AA	2028	1/1	0.92	0.06	65,65,65,65	0
56	MG	DA	3148	1/1	0.92	0.07	4,4,4,4	0
56	MG	DA	3150	1/1	0.92	0.06	4,4,4,4	0
56	MG	AM	202	1/1	0.92	0.10	58,58,58,58	0
56	MG	AY	126	1/1	0.92	0.43	68,68,68,68	0
56	MG	BA	3922	1/1	0.92	0.09	56,56,56,56	0
56	MG	AA	1798	1/1	0.92	0.08	25,25,25,25	0
56	MG	DA	3189	1/1	0.92	0.06	5,5,5,5	0
56	MG	BA	3622	1/1	0.92	0.19	60,60,60,60	0
56	MG	DA	3197	1/1	0.92	0.12	3,3,3,3	0
56	MG	CA	1687	1/1	0.92	0.16	46,46,46,46	0
56	MG	AX	402	1/1	0.92	0.10	42,42,42,42	0
56	MG	BA	3097	1/1	0.92	0.07	54,54,54,54	0
56	MG	AB	302	1/1	0.92	0.04	50,50,50,50	0
56	MG	DA	3206	1/1	0.92	0.12	5,5,5,5	0
56	MG	AA	1990	1/1	0.92	0.14	63,63,63,63	0
56	MG	CA	1694	1/1	0.92	0.08	60,60,60,60	0
56	MG	BA	3377	1/1	0.92	0.16	73,73,73,73	0
56	MG	AA	1940	1/1	0.92	0.18	53,53,53,53	0
56	MG	DA	3211	1/1	0.92	0.09	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	3213	1/1	0.92	0.07	4,4,4,4	0
56	MG	BA	3760	1/1	0.92	0.16	49,49,49,49	0
56	MG	AX	406	1/1	0.92	0.05	48,48,48,48	0
56	MG	BA	3382	1/1	0.92	0.14	75,75,75,75	0
56	MG	CA	1705	1/1	0.92	0.19	60,60,60,60	0
56	MG	DA	3232	1/1	0.92	0.19	37,37,37,37	0
56	MG	BA	3104	1/1	0.92	0.13	67,67,67,67	0
56	MG	CA	1708	1/1	0.92	0.15	36,36,36,36	0
56	MG	BA	3766	1/1	0.92	0.04	31,31,31,31	0
56	MG	AZ	104	1/1	0.92	0.13	61,61,61,61	0
56	MG	DA	3242	1/1	0.92	0.15	3,3,3,3	0
56	MG	BA	3385	1/1	0.92	0.16	63,63,63,63	0
56	MG	BA	3772	1/1	0.92	0.15	48,48,48,48	0
56	MG	BA	3778	1/1	0.92	0.30	63,63,63,63	0
56	MG	DA	3277	1/1	0.92	0.13	3,3,3,3	0
56	MG	BB	219	1/1	0.92	0.19	41,41,41,41	0
56	MG	AA	1771	1/1	0.92	0.28	45,45,45,45	0
56	MG	BA	3782	1/1	0.92	0.05	21,21,21,21	0
56	MG	BB	222	1/1	0.92	0.14	39,39,39,39	0
56	MG	BA	3784	1/1	0.92	0.18	33,33,33,33	0
56	MG	AA	1965	1/1	0.92	0.07	54,54,54,54	0
56	MG	DA	3288	1/1	0.92	0.07	33,33,33,33	0
56	MG	CA	1725	1/1	0.92	0.18	54,54,54,54	0
56	MG	DA	3291	1/1	0.92	0.17	44,44,44,44	0
56	MG	AA	1772	1/1	0.92	0.24	40,40,40,40	0
56	MG	AA	1969	1/1	0.92	0.07	46,46,46,46	0
56	MG	BA	3052	1/1	0.92	0.12	71,71,71,71	0
56	MG	CA	1734	1/1	0.92	0.10	29,29,29,29	0
56	MG	BA	3508	1/1	0.92	0.05	33,33,33,33	0
56	MG	BB	231	1/1	0.92	0.06	54,54,54,54	0
56	MG	AA	1625	1/1	0.92	0.12	44,44,44,44	0
56	MG	BA	3656	1/1	0.92	0.18	16,16,16,16	0
56	MG	BA	3116	1/1	0.92	0.06	44,44,44,44	0
56	MG	CA	1745	1/1	0.92	0.07	36,36,36,36	0
56	MG	BA	3188	1/1	0.92	0.11	53,53,53,53	0
56	MG	BD	5006	1/1	0.92	0.14	11,11,11,11	0
56	MG	AA	1720	1/1	0.92	0.26	36,36,36,36	0
56	MG	CA	1760	1/1	0.92	0.06	18,18,18,18	0
56	MG	BA	3290	1/1	0.92	0.20	15,15,15,15	0
56	MG	BA	3292	1/1	0.92	0.14	36,36,36,36	0
56	MG	AE	202	1/1	0.92	0.16	64,64,64,64	0
56	MG	BA	3806	1/1	0.92	0.21	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	BA	3405	1/1	0.92	0.16	44,44,44,44	0
56	MG	DA	3326	1/1	0.92	0.06	4,4,4,4	0
56	MG	BA	3192	1/1	0.92	0.06	50,50,50,50	0
56	MG	BA	3120	1/1	0.92	0.06	53,53,53,53	0
56	MG	AA	1648	1/1	0.92	0.13	87,87,87,87	0
56	MG	AA	1900	1/1	0.92	0.16	39,39,39,39	0
56	MG	BA	3527	1/1	0.92	0.10	38,38,38,38	0
56	MG	BA	3125	1/1	0.92	0.13	26,26,26,26	0
56	MG	DA	3358	1/1	0.92	0.12	54,54,54,54	0
56	MG	DA	3359	1/1	0.92	0.06	42,42,42,42	0
56	MG	BA	3008	1/1	0.92	0.23	38,38,38,38	0
56	MG	BA	3418	1/1	0.92	0.20	54,54,54,54	0
56	MG	DA	3362	1/1	0.92	0.08	82,82,82,82	0
56	MG	AA	1922	1/1	0.92	0.20	46,46,46,46	0
56	MG	CA	1786	1/1	0.92	0.12	67,67,67,67	0
56	MG	DA	3369	1/1	0.92	0.05	43,43,43,43	0
56	MG	AA	2004	1/1	0.92	0.09	51,51,51,51	0
56	MG	BA	3132	1/1	0.92	0.23	40,40,40,40	0
56	MG	BA	3424	1/1	0.92	0.28	55,55,55,55	0
56	MG	BA	3319	1/1	0.92	0.09	44,44,44,44	0
56	MG	CA	1802	1/1	0.92	0.12	3,3,3,3	0
56	MG	BA	3542	1/1	0.92	0.11	27,27,27,27	0
56	MG	BA	3426	1/1	0.92	0.20	20,20,20,20	0
56	MG	AY	106	1/1	0.92	0.06	58,58,58,58	0
56	MG	CA	1812	1/1	0.92	0.14	36,36,36,36	0
56	MG	BA	3135	1/1	0.92	0.07	43,43,43,43	0
56	MG	AY	107	1/1	0.92	0.13	67,67,67,67	0
56	MG	BA	3696	1/1	0.92	0.09	69,69,69,69	0
56	MG	BN	201	1/1	0.92	0.10	70,70,70,70	0
56	MG	AA	1657	1/1	0.92	0.05	45,45,45,45	0
56	MG	BA	3326	1/1	0.92	0.04	45,45,45,45	0
56	MG	BA	3562	1/1	0.92	0.11	28,28,28,28	0
56	MG	BA	3019	1/1	0.92	0.20	55,55,55,55	0
56	MG	AA	1863	1/1	0.92	0.05	57,57,57,57	0
56	MG	DA	3423	1/1	0.92	0.17	28,28,28,28	0
56	MG	BA	3565	1/1	0.92	0.07	50,50,50,50	0
56	MG	CZ	112	1/1	0.92	0.10	63,63,63,63	0
56	MG	AA	1823	1/1	0.92	0.10	47,47,47,47	0
56	MG	BA	3568	1/1	0.92	0.11	33,33,33,33	0
56	MG	BA	3438	1/1	0.92	0.19	67,67,67,67	0
56	MG	AA	1658	1/1	0.92	0.07	29,29,29,29	0
56	MG	BA	3226	1/1	0.92	0.17	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	BS	203	1/1	0.92	0.06	52,52,52,52	0
56	MG	BA	3708	1/1	0.92	0.15	28,28,28,28	0
56	MG	BA	3442	1/1	0.92	0.13	46,46,46,46	0
56	MG	CF	203	1/1	0.92	0.13	51,51,51,51	0
56	MG	CF	205	1/1	0.92	0.11	57,57,57,57	0
56	MG	BV	201	1/1	0.92	0.07	53,53,53,53	0
56	MG	BA	3227	1/1	0.92	0.05	46,46,46,46	0
56	MG	BA	3876	1/1	0.92	0.14	88,88,88,88	0
56	MG	DN	201	1/1	0.92	0.28	3,3,3,3	0
56	MG	BA	3228	1/1	0.92	0.10	31,31,31,31	0
56	MG	D6	101	1/1	0.92	0.04	43,43,43,43	0
56	MG	BA	3298	1/1	0.93	0.24	30,30,30,30	0
56	MG	DA	3178	1/1	0.93	0.06	4,4,4,4	0
56	MG	AA	1732	1/1	0.93	0.07	21,21,21,21	0
56	MG	AT	202	1/1	0.93	0.09	58,58,58,58	0
56	MG	BA	3079	1/1	0.93	0.33	51,51,51,51	0
56	MG	BA	3391	1/1	0.93	0.04	51,51,51,51	0
56	MG	BA	3912	1/1	0.93	0.04	26,26,26,26	0
56	MG	BA	3035	1/1	0.93	0.22	51,51,51,51	0
56	MG	BA	3307	1/1	0.93	0.10	34,34,34,34	0
56	MG	BA	3036	1/1	0.93	0.09	88,88,88,88	0
56	MG	BA	3917	1/1	0.93	0.13	51,51,51,51	0
56	MG	BY	201	1/1	0.93	0.09	68,68,68,68	0
56	MG	CA	1770	1/1	0.93	0.12	54,54,54,54	0
56	MG	AA	1833	1/1	0.93	0.07	60,60,60,60	0
56	MG	BA	3312	1/1	0.93	0.09	36,36,36,36	0
56	MG	BA	3315	1/1	0.93	0.19	28,28,28,28	0
56	MG	BA	3794	1/1	0.93	0.14	65,65,65,65	0
56	MG	BA	3225	1/1	0.93	0.04	27,27,27,27	0
56	MG	BA	3797	1/1	0.93	0.17	52,52,52,52	0
56	MG	AY	102	1/1	0.93	0.10	58,58,58,58	0
56	MG	BA	3155	1/1	0.93	0.21	46,46,46,46	0
56	MG	AA	1937	1/1	0.93	0.15	61,61,61,61	0
56	MG	BA	3409	1/1	0.93	0.16	58,58,58,58	0
56	MG	DA	3235	1/1	0.93	0.12	24,24,24,24	0
56	MG	DA	3236	1/1	0.93	0.12	53,53,53,53	0
56	MG	AA	1874	1/1	0.93	0.22	44,44,44,44	0
56	MG	AA	1939	1/1	0.93	0.18	47,47,47,47	0
56	MG	BA	3807	1/1	0.93	0.18	37,37,37,37	0
56	MG	CA	1795	1/1	0.93	0.18	54,54,54,54	0
56	MG	BA	3095	1/1	0.93	0.07	40,40,40,40	0
56	MG	B8	103	1/1	0.93	0.10	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3501	1/1	0.93	0.05	58,58,58,58	0
56	MG	DA	3254	1/1	0.93	0.18	42,42,42,42	0
56	MG	BA	3096	1/1	0.93	0.07	60,60,60,60	0
56	MG	CA	1615	1/1	0.93	0.17	3,3,3,3	0
56	MG	BA	3608	1/1	0.93	0.16	40,40,40,40	0
56	MG	AX	407	1/1	0.93	0.06	60,60,60,60	0
56	MG	AA	1674	1/1	0.93	0.07	52,52,52,52	0
56	MG	BA	3821	1/1	0.93	0.06	22,22,22,22	0
56	MG	BA	3827	1/1	0.93	0.16	48,48,48,48	0
56	MG	CZ	103	1/1	0.93	0.04	42,42,42,42	0
56	MG	CA	1651	1/1	0.93	0.11	28,28,28,28	0
56	MG	CA	1652	1/1	0.93	0.05	44,44,44,44	0
56	MG	BA	3419	1/1	0.93	0.15	50,50,50,50	0
56	MG	CA	1668	1/1	0.93	0.24	3,3,3,3	0
56	MG	AA	1962	1/1	0.93	0.35	48,48,48,48	0
56	MG	AA	1634	1/1	0.93	0.16	43,43,43,43	0
56	MG	AA	1691	1/1	0.93	0.23	37,37,37,37	0
56	MG	BA	3619	1/1	0.93	0.18	42,42,42,42	0
56	MG	DA	3301	1/1	0.93	0.24	42,42,42,42	0
56	MG	AA	1746	1/1	0.93	0.19	39,39,39,39	0
56	MG	AA	1945	1/1	0.93	0.04	34,34,34,34	0
56	MG	BA	3844	1/1	0.93	0.06	36,36,36,36	0
56	MG	AA	1778	1/1	0.93	0.07	37,37,37,37	0
56	MG	BA	3720	1/1	0.93	0.07	28,28,28,28	0
56	MG	AA	1701	1/1	0.93	0.07	29,29,29,29	0
56	MG	CF	202	1/1	0.93	0.06	51,51,51,51	0
56	MG	AA	1809	1/1	0.93	0.13	90,90,90,90	0
56	MG	AG	202	1/1	0.93	0.15	56,56,56,56	0
56	MG	AZ	105	1/1	0.93	0.13	78,78,78,78	0
56	MG	DA	3316	1/1	0.93	0.06	4,4,4,4	0
56	MG	BA	3521	1/1	0.93	0.18	45,45,45,45	0
56	MG	AY	119	1/1	0.93	0.11	50,50,50,50	0
56	MG	BA	3010	1/1	0.93	0.12	72,72,72,72	0
56	MG	DA	3322	1/1	0.93	0.12	3,3,3,3	0
56	MG	BA	3434	1/1	0.93	0.24	68,68,68,68	0
56	MG	BA	3012	1/1	0.93	0.08	75,75,75,75	0
56	MG	AA	1883	1/1	0.93	0.19	42,42,42,42	0
56	MG	BA	3738	1/1	0.93	0.26	57,57,57,57	0
56	MG	CA	1691	1/1	0.93	0.14	45,45,45,45	0
56	MG	AY	121	1/1	0.93	0.04	41,41,41,41	0
56	MG	DA	3012	1/1	0.93	0.11	3,3,3,3	0
56	MG	DA	3015	1/1	0.93	0.07	6,6,6,6	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3026	1/1	0.93	0.15	3,3,3,3	0
56	MG	DA	3033	1/1	0.93	0.06	4,4,4,4	0
56	MG	BA	3121	1/1	0.93	0.10	61,61,61,61	0
56	MG	DA	3041	1/1	0.93	0.09	52,52,52,52	0
56	MG	DA	3047	1/1	0.93	0.13	3,3,3,3	0
56	MG	AZ	107	1/1	0.93	0.10	78,78,78,78	0
56	MG	AY	123	1/1	0.93	0.24	42,42,42,42	0
56	MG	BA	3865	1/1	0.93	0.27	37,37,37,37	0
56	MG	BA	3648	1/1	0.93	0.26	48,48,48,48	0
56	MG	BA	3124	1/1	0.93	0.06	56,56,56,56	0
56	MG	DA	3062	1/1	0.93	0.14	4,4,4,4	0
56	MG	BA	3872	1/1	0.93	0.06	54,54,54,54	0
56	MG	BA	3267	1/1	0.93	0.28	21,21,21,21	0
56	MG	AA	1795	1/1	0.93	0.20	64,64,64,64	0
56	MG	DA	3382	1/1	0.93	0.08	42,42,42,42	0
56	MG	AY	125	1/1	0.93	0.27	36,36,36,36	0
56	MG	DA	3385	1/1	0.93	0.03	51,51,51,51	0
56	MG	DA	3076	1/1	0.93	0.08	3,3,3,3	0
56	MG	BA	3021	1/1	0.93	0.35	37,37,37,37	0
56	MG	DA	3080	1/1	0.93	0.09	3,3,3,3	0
56	MG	AA	1931	1/1	0.93	0.09	31,31,31,31	0
56	MG	AA	1850	1/1	0.93	0.08	38,38,38,38	0
56	MG	BA	3194	1/1	0.93	0.04	36,36,36,36	0
56	MG	DA	3397	1/1	0.93	0.19	24,24,24,24	0
56	MG	AA	1704	1/1	0.93	0.23	48,48,48,48	0
56	MG	BA	3279	1/1	0.93	0.23	39,39,39,39	0
56	MG	BA	3134	1/1	0.93	0.06	23,23,23,23	0
56	MG	AZ	113	1/1	0.93	0.12	60,60,60,60	0
56	MG	AM	203	1/1	0.93	0.04	47,47,47,47	0
56	MG	BA	3759	1/1	0.93	0.18	47,47,47,47	0
56	MG	BA	3138	1/1	0.93	0.09	27,27,27,27	0
56	MG	BA	3139	1/1	0.93	0.25	59,59,59,59	0
56	MG	DA	3443	1/1	0.93	0.12	3,3,3,3	0
56	MG	AA	1757	1/1	0.93	0.20	60,60,60,60	0
56	MG	BA	3569	1/1	0.93	0.06	40,40,40,40	0
56	MG	DA	3117	1/1	0.93	0.11	28,28,28,28	0
56	MG	BO	202	1/1	0.93	0.05	54,54,54,54	0
56	MG	DA	3455	1/1	0.93	0.29	27,27,27,27	0
56	MG	DA	3473	1/1	0.93	0.07	3,3,3,3	0
56	MG	CA	1735	1/1	0.93	0.09	31,31,31,31	0
56	MG	CA	1737	1/1	0.93	0.07	35,35,35,35	0
56	MG	BA	3678	1/1	0.93	0.11	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	DD	5001	1/1	0.93	0.11	33,33,33,33	0
56	MG	DA	3130	1/1	0.93	0.10	3,3,3,3	0
56	MG	DA	3131	1/1	0.93	0.30	31,31,31,31	0
56	MG	CA	1740	1/1	0.93	0.05	41,41,41,41	0
56	MG	AQ	201	1/1	0.93	0.12	52,52,52,52	0
56	MG	DA	3139	1/1	0.93	0.20	3,3,3,3	0
56	MG	BA	3571	1/1	0.93	0.07	39,39,39,39	0
56	MG	AR	101	1/1	0.93	0.05	32,32,32,32	0
56	MG	DA	3158	1/1	0.93	0.20	3,3,3,3	0
56	MG	BA	3774	1/1	0.93	0.29	42,42,42,42	0
56	MG	CA	1699	1/1	0.94	0.15	8,8,8,8	0
56	MG	AA	1681	1/1	0.94	0.15	27,27,27,27	0
56	MG	AA	1721	1/1	0.94	0.15	44,44,44,44	0
56	MG	AZ	112	1/1	0.94	0.07	46,46,46,46	0
56	MG	AA	1682	1/1	0.94	0.11	40,40,40,40	0
56	MG	BA	3107	1/1	0.94	0.10	49,49,49,49	0
56	MG	BB	232	1/1	0.94	0.11	58,58,58,58	0
56	MG	DA	3120	1/1	0.94	0.28	28,28,28,28	0
56	MG	CA	1711	1/1	0.94	0.09	57,57,57,57	0
56	MG	DA	3122	1/1	0.94	0.05	4,4,4,4	0
56	MG	BB	233	1/1	0.94	0.14	48,48,48,48	0
56	MG	BA	3354	1/1	0.94	0.28	59,59,59,59	0
56	MG	AD	5003	1/1	0.94	0.06	42,42,42,42	0
56	MG	BA	3358	1/1	0.94	0.14	17,17,17,17	0
56	MG	BA	3822	1/1	0.94	0.19	34,34,34,34	0
56	MG	BA	3823	1/1	0.94	0.23	14,14,14,14	0
56	MG	BA	3826	1/1	0.94	0.10	28,28,28,28	0
56	MG	AA	1855	1/1	0.94	0.05	21,21,21,21	0
56	MG	DA	3153	1/1	0.94	0.05	5,5,5,5	0
56	MG	DA	3157	1/1	0.94	0.19	3,3,3,3	0
56	MG	AV	5500	1/1	0.94	0.12	71,71,71,71	0
56	MG	BA	3829	1/1	0.94	0.29	40,40,40,40	0
56	MG	BA	3831	1/1	0.94	0.14	34,34,34,34	0
56	MG	BA	3835	1/1	0.94	0.21	8,8,8,8	0
56	MG	BA	3111	1/1	0.94	0.19	35,35,35,35	0
56	MG	CA	1731	1/1	0.94	0.11	3,3,3,3	0
56	MG	BA	3112	1/1	0.94	0.14	40,40,40,40	0
56	MG	BA	3456	1/1	0.94	0.18	24,24,24,24	0
56	MG	DA	3193	1/1	0.94	0.10	7,7,7,7	0
56	MG	AA	1968	1/1	0.94	0.07	35,35,35,35	0
56	MG	CA	1736	1/1	0.94	0.11	3,3,3,3	0
56	MG	AA	1673	1/1	0.94	0.04	64,64,64,64	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3461	1/1	0.94	0.10	69,69,69,69	0
56	MG	AA	1649	1/1	0.94	0.19	37,37,37,37	0
56	MG	BA	3004	1/1	0.94	0.11	27,27,27,27	0
56	MG	AA	1832	1/1	0.94	0.24	33,33,33,33	0
56	MG	BA	3006	1/1	0.94	0.13	11,11,11,11	0
56	MG	BA	3370	1/1	0.94	0.06	46,46,46,46	0
56	MG	BA	3469	1/1	0.94	0.27	46,46,46,46	0
56	MG	CA	1746	1/1	0.94	0.06	57,57,57,57	0
56	MG	BA	3585	1/1	0.94	0.20	35,35,35,35	0
56	MG	DA	3214	1/1	0.94	0.14	4,4,4,4	0
56	MG	BA	3586	1/1	0.94	0.07	18,18,18,18	0
56	MG	AE	207	1/1	0.94	0.15	38,38,38,38	0
56	MG	BA	3713	1/1	0.94	0.15	33,33,33,33	0
56	MG	BI	206	1/1	0.94	0.04	67,67,67,67	0
56	MG	AA	1741	1/1	0.94	0.08	60,60,60,60	0
56	MG	DA	3233	1/1	0.94	0.06	43,43,43,43	0
56	MG	AA	2006	1/1	0.94	0.28	53,53,53,53	0
56	MG	BA	3011	1/1	0.94	0.06	47,47,47,47	0
56	MG	BA	3277	1/1	0.94	0.17	57,57,57,57	0
56	MG	AA	2010	1/1	0.94	0.06	33,33,33,33	0
56	MG	AA	1642	1/1	0.94	0.22	57,57,57,57	0
56	MG	BN	204	1/1	0.94	0.04	43,43,43,43	0
56	MG	AA	1913	1/1	0.94	0.07	54,54,54,54	0
56	MG	AA	2013	1/1	0.94	0.28	40,40,40,40	0
56	MG	DA	3246	1/1	0.94	0.12	3,3,3,3	0
56	MG	DA	3248	1/1	0.94	0.04	3,3,3,3	0
56	MG	BA	3725	1/1	0.94	0.08	23,23,23,23	0
56	MG	BA	3604	1/1	0.94	0.07	50,50,50,50	0
56	MG	DA	3262	1/1	0.94	0.12	3,3,3,3	0
56	MG	DA	3264	1/1	0.94	0.07	4,4,4,4	0
56	MG	BA	3284	1/1	0.94	0.13	15,15,15,15	0
56	MG	BA	3196	1/1	0.94	0.19	50,50,50,50	0
56	MG	BA	3287	1/1	0.94	0.11	27,27,27,27	0
56	MG	BQ	204	1/1	0.94	0.14	80,80,80,80	0
56	MG	DA	3280	1/1	0.94	0.23	34,34,34,34	0
56	MG	CA	1787	1/1	0.94	0.14	57,57,57,57	0
56	MG	AA	1976	1/1	0.94	0.28	70,70,70,70	0
56	MG	BA	3734	1/1	0.94	0.08	59,59,59,59	0
56	MG	BA	3877	1/1	0.94	0.10	76,76,76,76	0
56	MG	BS	202	1/1	0.94	0.14	42,42,42,42	0
56	MG	AA	1618	1/1	0.94	0.26	50,50,50,50	0
56	MG	CA	1796	1/1	0.94	0.15	77,77,77,77	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	CA	1801	1/1	0.94	0.14	3,3,3,3	0
56	MG	AY	114	1/1	0.94	0.11	48,48,48,48	0
56	MG	AA	2017	1/1	0.94	0.06	47,47,47,47	0
56	MG	BA	3882	1/1	0.94	0.17	42,42,42,42	0
56	MG	AA	1631	1/1	0.94	0.05	39,39,39,39	0
56	MG	BA	3137	1/1	0.94	0.13	19,19,19,19	0
56	MG	BW	202	1/1	0.94	0.05	38,38,38,38	0
56	MG	BA	3395	1/1	0.94	0.07	22,22,22,22	0
56	MG	BX	102	1/1	0.94	0.09	25,25,25,25	0
56	MG	CA	1820	1/1	0.94	0.06	43,43,43,43	0
56	MG	BA	3203	1/1	0.94	0.18	39,39,39,39	0
56	MG	BY	202	1/1	0.94	0.07	42,42,42,42	0
56	MG	AA	1916	1/1	0.94	0.04	63,63,63,63	0
56	MG	AA	1816	1/1	0.94	0.05	55,55,55,55	0
56	MG	AA	1613	1/1	0.94	0.15	45,45,45,45	0
56	MG	AA	1982	1/1	0.94	0.24	51,51,51,51	0
56	MG	BA	3404	1/1	0.94	0.11	11,11,11,11	0
56	MG	BA	3893	1/1	0.94	0.08	62,62,62,62	0
56	MG	AA	2025	1/1	0.94	0.15	58,58,58,58	0
56	MG	DA	3319	1/1	0.94	0.10	43,43,43,43	0
56	MG	CY	102	1/1	0.94	0.17	3,3,3,3	0
56	MG	AA	1762	1/1	0.94	0.05	43,43,43,43	0
56	MG	CY	105	1/1	0.94	0.05	52,52,52,52	0
56	MG	BA	3509	1/1	0.94	0.17	34,34,34,34	0
56	MG	DA	3331	1/1	0.94	0.14	23,23,23,23	0
56	MG	DA	3333	1/1	0.94	0.10	4,4,4,4	0
56	MG	DA	3334	1/1	0.94	0.10	3,3,3,3	0
56	MG	BA	3897	1/1	0.94	0.08	48,48,48,48	0
56	MG	BA	3212	1/1	0.94	0.04	29,29,29,29	0
56	MG	BA	3080	1/1	0.94	0.18	29,29,29,29	0
56	MG	BA	3634	1/1	0.94	0.16	33,33,33,33	0
56	MG	CY	114	1/1	0.94	0.20	39,39,39,39	0
56	MG	BA	3030	1/1	0.94	0.04	36,36,36,36	0
56	MG	DA	3354	1/1	0.94	0.11	43,43,43,43	0
56	MG	DA	3355	1/1	0.94	0.10	56,56,56,56	0
56	MG	DA	3356	1/1	0.94	0.06	56,56,56,56	0
56	MG	BA	3513	1/1	0.94	0.15	28,28,28,28	0
56	MG	BA	3224	1/1	0.94	0.04	32,32,32,32	0
56	MG	BA	3413	1/1	0.94	0.05	43,43,43,43	0
56	MG	CA	1602	1/1	0.94	0.05	5,5,5,5	0
56	MG	CA	1604	1/1	0.94	0.11	3,3,3,3	0
56	MG	BA	3414	1/1	0.94	0.04	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	3644	1/1	0.94	0.21	26,26,26,26	0
56	MG	BA	3762	1/1	0.94	0.06	28,28,28,28	0
56	MG	AA	1869	1/1	0.94	0.13	47,47,47,47	0
56	MG	CA	1641	1/1	0.94	0.15	3,3,3,3	0
56	MG	BA	3084	1/1	0.94	0.15	62,62,62,62	0
56	MG	BA	3321	1/1	0.94	0.08	40,40,40,40	0
56	MG	CO	101	1/1	0.94	0.04	33,33,33,33	0
56	MG	BA	3087	1/1	0.94	0.24	24,24,24,24	0
56	MG	BA	3522	1/1	0.94	0.13	36,36,36,36	0
56	MG	DA	3010	1/1	0.94	0.06	3,3,3,3	0
56	MG	DA	3011	1/1	0.94	0.07	3,3,3,3	0
56	MG	BA	3153	1/1	0.94	0.37	41,41,41,41	0
56	MG	AA	1985	1/1	0.94	0.12	52,52,52,52	0
56	MG	DA	3022	1/1	0.94	0.09	3,3,3,3	0
56	MG	AA	1604	1/1	0.94	0.12	43,43,43,43	0
56	MG	DA	3028	1/1	0.94	0.09	4,4,4,4	0
56	MG	DA	3395	1/1	0.94	0.24	41,41,41,41	0
56	MG	DA	3031	1/1	0.94	0.16	3,3,3,3	0
56	MG	BA	3775	1/1	0.94	0.06	36,36,36,36	0
56	MG	BA	3777	1/1	0.94	0.14	32,32,32,32	0
56	MG	AA	1781	1/1	0.94	0.06	28,28,28,28	0
56	MG	AA	1872	1/1	0.94	0.09	59,59,59,59	0
56	MG	AX	401	1/1	0.94	0.04	74,74,74,74	0
56	MG	DA	3049	1/1	0.94	0.04	5,5,5,5	0
56	MG	DA	3415	1/1	0.94	0.11	4,4,4,4	0
56	MG	DA	3421	1/1	0.94	0.07	35,35,35,35	0
56	MG	BA	3663	1/1	0.94	0.13	50,50,50,50	0
56	MG	AA	1849	1/1	0.94	0.14	10,10,10,10	0
56	MG	BA	3786	1/1	0.94	0.28	18,18,18,18	0
56	MG	DA	3429	1/1	0.94	0.23	3,3,3,3	0
56	MG	DA	3440	1/1	0.94	0.05	4,4,4,4	0
56	MG	BA	3428	1/1	0.94	0.33	86,86,86,86	0
56	MG	BA	3039	1/1	0.94	0.32	67,67,67,67	0
56	MG	AA	1901	1/1	0.94	0.16	88,88,88,88	0
56	MG	CA	1682	1/1	0.94	0.07	52,52,52,52	0
56	MG	BA	3668	1/1	0.94	0.10	33,33,33,33	0
56	MG	DA	3072	1/1	0.94	0.07	3,3,3,3	0
56	MG	BA	3241	1/1	0.94	0.23	48,48,48,48	0
56	MG	BB	213	1/1	0.94	0.04	53,53,53,53	0
56	MG	AA	1635	1/1	0.94	0.09	52,52,52,52	0
56	MG	BA	3541	1/1	0.94	0.12	30,30,30,30	0
56	MG	DA	3485	1/1	0.94	0.05	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	3488	1/1	0.94	0.13	3,3,3,3	0
56	MG	AA	1993	1/1	0.94	0.19	46,46,46,46	0
56	MG	DA	3091	1/1	0.94	0.21	3,3,3,3	0
56	MG	BA	3676	1/1	0.94	0.09	44,44,44,44	0
56	MG	BA	3165	1/1	0.94	0.24	21,21,21,21	0
56	MG	BA	3249	1/1	0.94	0.08	58,58,58,58	0
56	MG	DD	5008	1/1	0.94	0.10	13,13,13,13	0
56	MG	BA	3339	1/1	0.94	0.07	66,66,66,66	0
56	MG	BA	3548	1/1	0.94	0.11	36,36,36,36	0
56	MG	AA	1801	1/1	0.94	0.11	55,55,55,55	0
56	MG	DR	201	1/1	0.94	0.18	3,3,3,3	0
56	MG	DU	201	1/1	0.94	0.17	3,3,3,3	0
56	MG	DY	201	1/1	0.94	0.04	3,3,3,3	0
56	MG	BA	3805	1/1	0.94	0.11	40,40,40,40	0
56	MG	BA	3557	1/1	0.94	0.24	29,29,29,29	0
56	MG	AB	303	1/1	0.95	0.03	40,40,40,40	0
56	MG	BA	3776	1/1	0.95	0.20	43,43,43,43	0
56	MG	AA	2008	1/1	0.95	0.10	49,49,49,49	0
56	MG	BA	3550	1/1	0.95	0.12	42,42,42,42	0
56	MG	CA	1780	1/1	0.95	0.06	51,51,51,51	0
56	MG	AZ	115	1/1	0.95	0.12	39,39,39,39	0
56	MG	BY	203	1/1	0.95	0.08	58,58,58,58	0
56	MG	BA	3158	1/1	0.95	0.15	42,42,42,42	0
56	MG	BA	3908	1/1	0.95	0.12	26,26,26,26	0
56	MG	B0	103	1/1	0.95	0.17	30,30,30,30	0
56	MG	BA	3061	1/1	0.95	0.09	76,76,76,76	0
56	MG	BA	3459	1/1	0.95	0.20	18,18,18,18	0
56	MG	AA	1644	1/1	0.95	0.22	54,54,54,54	0
56	MG	DA	3216	1/1	0.95	0.12	3,3,3,3	0
56	MG	AV	5501	1/1	0.95	0.10	28,28,28,28	0
56	MG	DA	3219	1/1	0.95	0.19	3,3,3,3	0
56	MG	CA	1792	1/1	0.95	0.25	3,3,3,3	0
56	MG	AA	1614	1/1	0.95	0.28	49,49,49,49	0
56	MG	BA	3915	1/1	0.95	0.07	41,41,41,41	0
56	MG	BA	3789	1/1	0.95	0.11	36,36,36,36	0
56	MG	BA	3463	1/1	0.95	0.13	38,38,38,38	0
56	MG	BA	3464	1/1	0.95	0.54	75,75,75,75	0
56	MG	CA	1809	1/1	0.95	0.17	3,3,3,3	0
56	MG	BA	3214	1/1	0.95	0.24	19,19,19,19	0
56	MG	BA	3218	1/1	0.95	0.10	25,25,25,25	0
56	MG	BA	3219	1/1	0.95	0.12	17,17,17,17	0
56	MG	AA	1627	1/1	0.95	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	BA	3223	1/1	0.95	0.04	36,36,36,36	0
56	MG	BA	3388	1/1	0.95	0.08	61,61,61,61	0
56	MG	BA	3027	1/1	0.95	0.17	86,86,86,86	0
56	MG	AA	1866	1/1	0.95	0.08	26,26,26,26	0
56	MG	DA	3250	1/1	0.95	0.09	3,3,3,3	0
56	MG	BA	3475	1/1	0.95	0.16	22,22,22,22	0
56	MG	AA	1918	1/1	0.95	0.15	58,58,58,58	0
56	MG	BB	206	1/1	0.95	0.05	51,51,51,51	0
56	MG	BA	3804	1/1	0.95	0.14	44,44,44,44	0
56	MG	CA	1632	1/1	0.95	0.26	3,3,3,3	0
56	MG	DA	3276	1/1	0.95	0.09	4,4,4,4	0
56	MG	CA	1633	1/1	0.95	0.17	3,3,3,3	0
56	MG	BA	3118	1/1	0.95	0.12	23,23,23,23	0
56	MG	AA	1706	1/1	0.95	0.07	36,36,36,36	0
56	MG	CZ	114	1/1	0.95	0.04	36,36,36,36	0
56	MG	CA	1647	1/1	0.95	0.08	3,3,3,3	0
56	MG	AD	5004	1/1	0.95	0.07	48,48,48,48	0
56	MG	CA	1650	1/1	0.95	0.11	73,73,73,73	0
56	MG	AA	1893	1/1	0.95	0.20	52,52,52,52	0
56	MG	AA	1894	1/1	0.95	0.06	35,35,35,35	0
56	MG	CA	1653	1/1	0.95	0.07	62,62,62,62	0
56	MG	CA	1654	1/1	0.95	0.12	28,28,28,28	0
56	MG	CA	1655	1/1	0.95	0.12	38,38,38,38	0
56	MG	CA	1662	1/1	0.95	0.10	4,4,4,4	0
56	MG	AA	1606	1/1	0.95	0.17	35,35,35,35	0
56	MG	AA	1926	1/1	0.95	0.04	30,30,30,30	0
56	MG	DA	3299	1/1	0.95	0.19	50,50,50,50	0
56	MG	BA	3816	1/1	0.95	0.16	38,38,38,38	0
56	MG	AY	110	1/1	0.95	0.21	31,31,31,31	0
56	MG	BA	3487	1/1	0.95	0.14	26,26,26,26	0
56	MG	CA	1672	1/1	0.95	0.17	3,3,3,3	0
56	MG	DA	3306	1/1	0.95	0.14	3,3,3,3	0
56	MG	BA	3820	1/1	0.95	0.30	59,59,59,59	0
56	MG	BA	3402	1/1	0.95	0.06	49,49,49,49	0
56	MG	BA	3126	1/1	0.95	0.07	46,46,46,46	0
56	MG	BA	3492	1/1	0.95	0.09	48,48,48,48	0
56	MG	BA	3237	1/1	0.95	0.04	28,28,28,28	0
56	MG	BA	3322	1/1	0.95	0.07	40,40,40,40	0
56	MG	BA	3406	1/1	0.95	0.19	23,23,23,23	0
56	MG	BA	3238	1/1	0.95	0.09	20,20,20,20	0
56	MG	BA	3830	1/1	0.95	0.13	12,12,12,12	0
56	MG	DA	3001	1/1	0.95	0.10	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	BA	3602	1/1	0.95	0.06	43,43,43,43	0
56	MG	BB	229	1/1	0.95	0.26	33,33,33,33	0
56	MG	BA	3408	1/1	0.95	0.24	50,50,50,50	0
56	MG	DA	3321	1/1	0.95	0.16	4,4,4,4	0
56	MG	BA	3127	1/1	0.95	0.04	22,22,22,22	0
56	MG	BA	3240	1/1	0.95	0.20	40,40,40,40	0
56	MG	DA	3016	1/1	0.95	0.05	3,3,3,3	0
56	MG	DA	3021	1/1	0.95	0.06	4,4,4,4	0
56	MG	DA	3332	1/1	0.95	0.06	33,33,33,33	0
56	MG	BA	3716	1/1	0.95	0.16	24,24,24,24	0
56	MG	BA	3500	1/1	0.95	0.09	21,21,21,21	0
56	MG	BD	5001	1/1	0.95	0.06	61,61,61,61	0
56	MG	DA	3338	1/1	0.95	0.12	3,3,3,3	0
56	MG	DA	3344	1/1	0.95	0.31	25,25,25,25	0
56	MG	DA	3029	1/1	0.95	0.05	4,4,4,4	0
56	MG	BA	3177	1/1	0.95	0.13	40,40,40,40	0
56	MG	DA	3032	1/1	0.95	0.14	6,6,6,6	0
56	MG	BA	3244	1/1	0.95	0.31	31,31,31,31	0
56	MG	DA	3351	1/1	0.95	0.34	40,40,40,40	0
56	MG	CA	1692	1/1	0.95	0.04	34,34,34,34	0
56	MG	DA	3038	1/1	0.95	0.07	4,4,4,4	0
56	MG	BA	3503	1/1	0.95	0.11	41,41,41,41	0
56	MG	BA	3245	1/1	0.95	0.04	39,39,39,39	0
56	MG	AA	1736	1/1	0.95	0.11	63,63,63,63	0
56	MG	BA	3179	1/1	0.95	0.06	32,32,32,32	0
56	MG	AA	1737	1/1	0.95	0.20	36,36,36,36	0
56	MG	AE	208	1/1	0.95	0.15	42,42,42,42	0
56	MG	BA	3333	1/1	0.95	0.04	55,55,55,55	0
56	MG	DA	3057	1/1	0.95	0.11	3,3,3,3	0
56	MG	DA	3058	1/1	0.95	0.05	3,3,3,3	0
56	MG	BA	3853	1/1	0.95	0.21	25,25,25,25	0
56	MG	BA	3182	1/1	0.95	0.16	20,20,20,20	0
56	MG	AA	1753	1/1	0.95	0.11	62,62,62,62	0
56	MG	AA	1794	1/1	0.95	0.11	19,19,19,19	0
56	MG	BA	3185	1/1	0.95	0.12	8,8,8,8	0
56	MG	DA	3069	1/1	0.95	0.24	3,3,3,3	0
56	MG	DA	3377	1/1	0.95	0.04	43,43,43,43	0
56	MG	CA	1710	1/1	0.95	0.08	46,46,46,46	0
56	MG	AA	1708	1/1	0.95	0.23	33,33,33,33	0
56	MG	AA	1685	1/1	0.95	0.12	28,28,28,28	0
56	MG	BA	3517	1/1	0.95	0.11	46,46,46,46	0
56	MG	BA	3629	1/1	0.95	0.12	50,50,50,50	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3741	1/1	0.95	0.12	52,52,52,52	0
56	MG	CA	1717	1/1	0.95	0.18	21,21,21,21	0
56	MG	DA	3391	1/1	0.95	0.12	35,35,35,35	0
56	MG	AA	1963	1/1	0.95	0.05	56,56,56,56	0
56	MG	DA	3393	1/1	0.95	0.04	47,47,47,47	0
56	MG	BA	3631	1/1	0.95	0.19	67,67,67,67	0
56	MG	CA	1720	1/1	0.95	0.06	27,27,27,27	0
56	MG	AA	1775	1/1	0.95	0.04	27,27,27,27	0
56	MG	BA	3633	1/1	0.95	0.06	36,36,36,36	0
56	MG	BA	3870	1/1	0.95	0.20	47,47,47,47	0
56	MG	DA	3399	1/1	0.95	0.07	58,58,58,58	0
56	MG	BA	3091	1/1	0.95	0.12	37,37,37,37	0
56	MG	BA	3191	1/1	0.95	0.05	26,26,26,26	0
56	MG	BA	3007	1/1	0.95	0.10	20,20,20,20	0
56	MG	DA	3111	1/1	0.95	0.08	3,3,3,3	0
56	MG	CA	1728	1/1	0.95	0.07	57,57,57,57	0
56	MG	BA	3639	1/1	0.95	0.09	42,42,42,42	0
56	MG	BA	3348	1/1	0.95	0.04	37,37,37,37	0
56	MG	DA	3424	1/1	0.95	0.23	14,14,14,14	0
56	MG	BA	3262	1/1	0.95	0.16	7,7,7,7	0
56	MG	AA	1776	1/1	0.95	0.12	30,30,30,30	0
56	MG	BA	3879	1/1	0.95	0.23	46,46,46,46	0
56	MG	BA	3526	1/1	0.95	0.04	49,49,49,49	0
56	MG	DA	3441	1/1	0.95	0.10	4,4,4,4	0
56	MG	BA	3435	1/1	0.95	0.13	32,32,32,32	0
56	MG	BA	3094	1/1	0.95	0.05	76,76,76,76	0
56	MG	BA	3649	1/1	0.95	0.23	30,30,30,30	0
56	MG	BA	3650	1/1	0.95	0.15	5,5,5,5	0
56	MG	AA	1663	1/1	0.95	0.07	33,33,33,33	0
56	MG	BA	3886	1/1	0.95	0.16	69,69,69,69	0
56	MG	DA	3465	1/1	0.95	0.10	3,3,3,3	0
56	MG	AA	1967	1/1	0.95	0.09	28,28,28,28	0
56	MG	DA	3477	1/1	0.95	0.11	3,3,3,3	0
56	MG	DA	3138	1/1	0.95	0.17	3,3,3,3	0
56	MG	BP	202	1/1	0.95	0.06	24,24,24,24	0
56	MG	DA	3142	1/1	0.95	0.21	3,3,3,3	0
56	MG	BQ	201	1/1	0.95	0.12	45,45,45,45	0
56	MG	DA	3486	1/1	0.95	0.25	3,3,3,3	0
56	MG	AA	1617	1/1	0.95	0.16	48,48,48,48	0
56	MG	BA	3534	1/1	0.95	0.08	61,61,61,61	0
56	MG	DA	3155	1/1	0.95	0.05	4,4,4,4	0
56	MG	DD	5004	1/1	0.95	0.04	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	AA	1688	1/1	0.95	0.15	68,68,68,68	0
56	MG	AA	1780	1/1	0.95	0.14	24,24,24,24	0
56	MG	AA	1829	1/1	0.95	0.05	43,43,43,43	0
56	MG	DA	3175	1/1	0.95	0.16	3,3,3,3	0
56	MG	DD	5009	1/1	0.95	0.06	29,29,29,29	0
56	MG	DF	301	1/1	0.95	0.19	3,3,3,3	0
56	MG	AA	1665	1/1	0.95	0.04	38,38,38,38	0
56	MG	BA	3275	1/1	0.95	0.09	46,46,46,46	0
56	MG	BA	3770	1/1	0.95	0.08	30,30,30,30	0
56	MG	AA	1831	1/1	0.95	0.10	68,68,68,68	0
56	MG	AA	1690	1/1	0.95	0.04	19,19,19,19	0
56	MG	BA	3898	1/1	0.95	0.21	38,38,38,38	0
56	MG	BA	3204	1/1	0.95	0.05	34,34,34,34	0
56	MG	DA	3194	1/1	0.95	0.10	3,3,3,3	0
56	MG	BA	3573	1/1	0.96	0.17	62,62,62,62	0
56	MG	AA	2018	1/1	0.96	0.04	23,23,23,23	0
56	MG	BA	3130	1/1	0.96	0.18	32,32,32,32	0
56	MG	AL	204	1/1	0.96	0.12	43,43,43,43	0
56	MG	AA	2019	1/1	0.96	0.09	70,70,70,70	0
56	MG	BA	3866	1/1	0.96	0.20	25,25,25,25	0
56	MG	DA	3222	1/1	0.96	0.05	41,41,41,41	0
56	MG	DA	3224	1/1	0.96	0.04	5,5,5,5	0
56	MG	DA	3228	1/1	0.96	0.04	4,4,4,4	0
56	MG	DA	3229	1/1	0.96	0.14	3,3,3,3	0
56	MG	BA	3350	1/1	0.96	0.12	31,31,31,31	0
56	MG	AA	1761	1/1	0.96	0.07	39,39,39,39	0
56	MG	BA	3355	1/1	0.96	0.10	33,33,33,33	0
56	MG	CY	103	1/1	0.96	0.06	31,31,31,31	0
56	MG	AA	1716	1/1	0.96	0.07	24,24,24,24	0
56	MG	AC	303	1/1	0.96	0.03	56,56,56,56	0
56	MG	BA	3767	1/1	0.96	0.12	31,31,31,31	0
56	MG	BA	3016	1/1	0.96	0.16	50,50,50,50	0
56	MG	BA	3677	1/1	0.96	0.08	30,30,30,30	0
56	MG	AA	1668	1/1	0.96	0.05	46,46,46,46	0
56	MG	BA	3504	1/1	0.96	0.04	34,34,34,34	0
56	MG	DA	3243	1/1	0.96	0.08	4,4,4,4	0
56	MG	CY	112	1/1	0.96	0.14	3,3,3,3	0
56	MG	BA	3773	1/1	0.96	0.04	25,25,25,25	0
56	MG	AA	1946	1/1	0.96	0.12	59,59,59,59	0
56	MG	BA	3588	1/1	0.96	0.10	24,24,24,24	0
56	MG	AA	1924	1/1	0.96	0.12	58,58,58,58	0
56	MG	DA	3252	1/1	0.96	0.09	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	AA	1994	1/1	0.96	0.24	52,52,52,52	0
56	MG	DA	3255	1/1	0.96	0.18	12,12,12,12	0
56	MG	DA	3256	1/1	0.96	0.05	6,6,6,6	0
56	MG	BA	3099	1/1	0.96	0.19	29,29,29,29	0
56	MG	BA	3780	1/1	0.96	0.10	32,32,32,32	0
56	MG	DA	3265	1/1	0.96	0.05	3,3,3,3	0
56	MG	DA	3268	1/1	0.96	0.04	4,4,4,4	0
56	MG	AA	1925	1/1	0.96	0.08	43,43,43,43	0
56	MG	DA	3272	1/1	0.96	0.11	3,3,3,3	0
56	MG	BA	3144	1/1	0.96	0.31	45,45,45,45	0
56	MG	BA	3783	1/1	0.96	0.13	27,27,27,27	0
56	MG	BA	3299	1/1	0.96	0.09	9,9,9,9	0
56	MG	AA	1782	1/1	0.96	0.19	24,24,24,24	0
56	MG	AA	1972	1/1	0.96	0.20	43,43,43,43	0
56	MG	CA	1698	1/1	0.96	0.04	37,37,37,37	0
56	MG	BA	3439	1/1	0.96	0.16	18,18,18,18	0
56	MG	BA	3603	1/1	0.96	0.23	47,47,47,47	0
56	MG	CA	1703	1/1	0.96	0.06	29,29,29,29	0
56	MG	AA	1835	1/1	0.96	0.11	37,37,37,37	0
56	MG	BA	3303	1/1	0.96	0.16	12,12,12,12	0
56	MG	BA	3243	1/1	0.96	0.06	26,26,26,26	0
56	MG	DA	3293	1/1	0.96	0.34	61,61,61,61	0
56	MG	BA	3376	1/1	0.96	0.05	39,39,39,39	0
56	MG	DA	3014	1/1	0.96	0.16	3,3,3,3	0
56	MG	AA	1783	1/1	0.96	0.19	28,28,28,28	0
56	MG	BA	3309	1/1	0.96	0.15	17,17,17,17	0
56	MG	BA	3611	1/1	0.96	0.15	8,8,8,8	0
56	MG	BA	3796	1/1	0.96	0.12	30,30,30,30	0
56	MG	DA	3023	1/1	0.96	0.11	3,3,3,3	0
56	MG	BQ	202	1/1	0.96	0.04	18,18,18,18	0
56	MG	AA	1930	1/1	0.96	0.05	59,59,59,59	0
56	MG	BA	3151	1/1	0.96	0.12	31,31,31,31	0
56	MG	DA	3030	1/1	0.96	0.04	4,4,4,4	0
56	MG	CA	1716	1/1	0.96	0.11	58,58,58,58	0
56	MG	BA	3448	1/1	0.96	0.18	21,21,21,21	0
56	MG	BA	3616	1/1	0.96	0.11	12,12,12,12	0
56	MG	DA	3034	1/1	0.96	0.10	6,6,6,6	0
56	MG	BR	202	1/1	0.96	0.22	89,89,89,89	0
56	MG	DA	3037	1/1	0.96	0.10	4,4,4,4	0
56	MG	AA	1632	1/1	0.96	0.19	35,35,35,35	0
56	MG	BA	3618	1/1	0.96	0.13	19,19,19,19	0
56	MG	BA	3313	1/1	0.96	0.05	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	BA	3314	1/1	0.96	0.08	22,22,22,22	0
56	MG	AA	1839	1/1	0.96	0.07	18,18,18,18	0
56	MG	AA	1824	1/1	0.96	0.12	34,34,34,34	0
56	MG	CA	1726	1/1	0.96	0.04	37,37,37,37	0
56	MG	BA	3808	1/1	0.96	0.18	18,18,18,18	0
56	MG	BV	203	1/1	0.96	0.07	52,52,52,52	0
56	MG	AA	1843	1/1	0.96	0.10	41,41,41,41	0
56	MG	DA	3059	1/1	0.96	0.11	3,3,3,3	0
56	MG	BA	3318	1/1	0.96	0.07	25,25,25,25	0
56	MG	DA	3061	1/1	0.96	0.09	4,4,4,4	0
56	MG	BA	3813	1/1	0.96	0.04	15,15,15,15	0
56	MG	DA	3335	1/1	0.96	0.27	3,3,3,3	0
56	MG	BA	3032	1/1	0.96	0.05	30,30,30,30	0
56	MG	AA	1765	1/1	0.96	0.23	11,11,11,11	0
56	MG	AA	2007	1/1	0.96	0.22	23,23,23,23	0
56	MG	DA	3345	1/1	0.96	0.28	3,3,3,3	0
56	MG	DA	3067	1/1	0.96	0.10	17,17,17,17	0
56	MG	BA	3070	1/1	0.96	0.30	37,37,37,37	0
56	MG	DA	3070	1/1	0.96	0.07	4,4,4,4	0
56	MG	DA	3349	1/1	0.96	0.12	29,29,29,29	0
56	MG	AX	413	1/1	0.96	0.23	32,32,32,32	0
56	MG	DA	3073	1/1	0.96	0.08	6,6,6,6	0
56	MG	CA	1739	1/1	0.96	0.17	3,3,3,3	0
56	MG	AA	1826	1/1	0.96	0.14	46,46,46,46	0
56	MG	BA	3396	1/1	0.96	0.20	42,42,42,42	0
56	MG	B1	101	1/1	0.96	0.05	31,31,31,31	0
56	MG	B1	103	1/1	0.96	0.11	37,37,37,37	0
56	MG	DA	3090	1/1	0.96	0.13	3,3,3,3	0
56	MG	BA	3723	1/1	0.96	0.09	7,7,7,7	0
56	MG	DA	3092	1/1	0.96	0.14	4,4,4,4	0
56	MG	DA	3093	1/1	0.96	0.20	3,3,3,3	0
56	MG	DA	3364	1/1	0.96	0.09	3,3,3,3	0
56	MG	BA	3074	1/1	0.96	0.14	26,26,26,26	0
56	MG	DA	3097	1/1	0.96	0.05	4,4,4,4	0
56	MG	BA	3824	1/1	0.96	0.11	17,17,17,17	0
56	MG	CA	1747	1/1	0.96	0.24	3,3,3,3	0
56	MG	BA	3825	1/1	0.96	0.12	45,45,45,45	0
56	MG	AA	2009	1/1	0.96	0.19	47,47,47,47	0
56	MG	AA	1862	1/1	0.96	0.03	41,41,41,41	0
56	MG	BA	3729	1/1	0.96	0.25	38,38,38,38	0
56	MG	BA	3635	1/1	0.96	0.04	37,37,37,37	0
56	MG	DA	3109	1/1	0.96	0.14	3,3,3,3	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3636	1/1	0.96	0.19	31,31,31,31	0
56	MG	CA	1765	1/1	0.96	0.15	3,3,3,3	0
56	MG	DA	3112	1/1	0.96	0.04	26,26,26,26	0
56	MG	BA	3545	1/1	0.96	0.10	23,23,23,23	0
56	MG	B6	102	1/1	0.96	0.04	57,57,57,57	0
56	MG	BA	3832	1/1	0.96	0.04	28,28,28,28	0
56	MG	BA	3833	1/1	0.96	0.12	9,9,9,9	0
56	MG	AJ	201	1/1	0.96	0.07	49,49,49,49	0
56	MG	AA	1898	1/1	0.96	0.03	27,27,27,27	0
56	MG	AA	1815	1/1	0.96	0.15	43,43,43,43	0
56	MG	AA	1803	1/1	0.96	0.04	55,55,55,55	0
56	MG	AA	1941	1/1	0.96	0.12	42,42,42,42	0
56	MG	DA	3124	1/1	0.96	0.12	14,14,14,14	0
56	MG	DA	3126	1/1	0.96	0.38	66,66,66,66	0
56	MG	DA	3128	1/1	0.96	0.11	12,12,12,12	0
56	MG	BA	3559	1/1	0.96	0.09	31,31,31,31	0
56	MG	BA	3645	1/1	0.96	0.16	30,30,30,30	0
56	MG	CA	1619	1/1	0.96	0.11	4,4,4,4	0
56	MG	CA	1622	1/1	0.96	0.11	3,3,3,3	0
56	MG	DA	3406	1/1	0.96	0.05	5,5,5,5	0
56	MG	DA	3134	1/1	0.96	0.26	21,21,21,21	0
56	MG	DA	3416	1/1	0.96	0.07	3,3,3,3	0
56	MG	BB	223	1/1	0.96	0.07	27,27,27,27	0
56	MG	CA	1627	1/1	0.96	0.11	3,3,3,3	0
56	MG	BA	3266	1/1	0.96	0.20	24,24,24,24	0
56	MG	BA	3647	1/1	0.96	0.07	48,48,48,48	0
56	MG	DA	3143	1/1	0.96	0.18	3,3,3,3	0
56	MG	AA	1987	1/1	0.96	0.10	40,40,40,40	0
56	MG	DA	3436	1/1	0.96	0.10	4,4,4,4	0
56	MG	DA	3437	1/1	0.96	0.28	3,3,3,3	0
56	MG	DA	3149	1/1	0.96	0.13	3,3,3,3	0
56	MG	CA	1634	1/1	0.96	0.04	6,6,6,6	0
56	MG	CA	1635	1/1	0.96	0.08	4,4,4,4	0
56	MG	DA	3154	1/1	0.96	0.16	3,3,3,3	0
56	MG	BA	3216	1/1	0.96	0.26	54,54,54,54	0
56	MG	DA	3156	1/1	0.96	0.17	3,3,3,3	0
56	MG	CA	1793	1/1	0.96	0.25	3,3,3,3	0
56	MG	BA	3269	1/1	0.96	0.13	31,31,31,31	0
56	MG	DA	3456	1/1	0.96	0.04	5,5,5,5	0
56	MG	BA	3217	1/1	0.96	0.15	12,12,12,12	0
56	MG	DA	3466	1/1	0.96	0.14	3,3,3,3	0
56	MG	DA	3469	1/1	0.96	0.20	3,3,3,3	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	0.96	0.18	13,13,13,13	0
56	MG	CA	1649	1/1	0.96	0.05	35,35,35,35	0
56	MG	CA	1804	1/1	0.96	0.11	4,4,4,4	0
56	MG	BA	3085	1/1	0.96	0.18	29,29,29,29	0
56	MG	DA	3186	1/1	0.96	0.04	4,4,4,4	0
56	MG	DA	3187	1/1	0.96	0.17	3,3,3,3	0
56	MG	CA	1807	1/1	0.96	0.21	3,3,3,3	0
56	MG	BA	3654	1/1	0.96	0.14	12,12,12,12	0
56	MG	DA	3489	1/1	0.96	0.10	4,4,4,4	0
56	MG	DA	3491	1/1	0.96	0.15	3,3,3,3	0
56	MG	DB	201	1/1	0.96	0.18	3,3,3,3	0
56	MG	DB	211	1/1	0.96	0.10	3,3,3,3	0
56	MG	BA	3567	1/1	0.96	0.04	23,23,23,23	0
56	MG	DD	5002	1/1	0.96	0.09	33,33,33,33	0
56	MG	DA	3191	1/1	0.96	0.13	4,4,4,4	0
56	MG	BA	3221	1/1	0.96	0.29	33,33,33,33	0
56	MG	BA	3274	1/1	0.96	0.15	21,21,21,21	0
56	MG	DA	3195	1/1	0.96	0.23	3,3,3,3	0
56	MG	CA	1813	1/1	0.96	0.16	64,64,64,64	0
56	MG	BA	3086	1/1	0.96	0.05	23,23,23,23	0
56	MG	CA	1658	1/1	0.96	0.17	3,3,3,3	0
56	MG	DE	301	1/1	0.96	0.04	5,5,5,5	0
56	MG	DA	3203	1/1	0.96	0.22	15,15,15,15	0
56	MG	DG	201	1/1	0.96	0.12	3,3,3,3	0
56	MG	CA	1661	1/1	0.96	0.15	3,3,3,3	0
56	MG	CA	1817	1/1	0.96	0.18	22,22,22,22	0
56	MG	CA	1818	1/1	0.96	0.19	59,59,59,59	0
56	MG	DP	201	1/1	0.96	0.22	3,3,3,3	0
56	MG	CA	1819	1/1	0.96	0.19	36,36,36,36	0
56	MG	BA	3345	1/1	0.96	0.08	42,42,42,42	0
56	MG	BA	3417	1/1	0.96	0.10	8,8,8,8	0
56	MG	BD	5005	1/1	0.96	0.04	10,10,10,10	0
56	MG	CZ	102	1/1	0.96	0.08	51,51,51,51	0
56	MG	BA	3582	1/1	0.97	0.05	55,55,55,55	0
56	MG	BA	3488	1/1	0.97	0.07	52,52,52,52	0
56	MG	BA	3489	1/1	0.97	0.16	32,32,32,32	0
56	MG	DA	3298	1/1	0.97	0.14	9,9,9,9	0
56	MG	CA	1603	1/1	0.97	0.11	4,4,4,4	0
56	MG	BA	3640	1/1	0.97	0.13	24,24,24,24	0
56	MG	AA	1841	1/1	0.97	0.14	8,8,8,8	0
56	MG	CA	1616	1/1	0.97	0.04	5,5,5,5	0
56	MG	CA	1617	1/1	0.97	0.03	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	3305	1/1	0.97	0.11	23,23,23,23	0
56	MG	AA	1917	1/1	0.97	0.04	52,52,52,52	0
56	MG	BA	3834	1/1	0.97	0.26	12,12,12,12	0
56	MG	BA	3907	1/1	0.97	0.24	27,27,27,27	0
56	MG	CA	1623	1/1	0.97	0.17	4,4,4,4	0
56	MG	AA	1759	1/1	0.97	0.12	15,15,15,15	0
56	MG	BA	3769	1/1	0.97	0.11	28,28,28,28	0
56	MG	DA	3125	1/1	0.97	0.15	28,28,28,28	0
56	MG	BA	3378	1/1	0.97	0.03	32,32,32,32	0
56	MG	DA	3127	1/1	0.97	0.17	3,3,3,3	0
56	MG	BA	3838	1/1	0.97	0.07	29,29,29,29	0
56	MG	BA	3589	1/1	0.97	0.07	29,29,29,29	0
56	MG	AA	1891	1/1	0.97	0.03	61,61,61,61	0
56	MG	BA	3591	1/1	0.97	0.11	29,29,29,29	0
56	MG	CF	204	1/1	0.97	0.20	3,3,3,3	0
56	MG	CA	1638	1/1	0.97	0.13	3,3,3,3	0
56	MG	BA	3539	1/1	0.97	0.21	12,12,12,12	0
56	MG	CA	1643	1/1	0.97	0.07	3,3,3,3	0
56	MG	BA	3380	1/1	0.97	0.04	43,43,43,43	0
56	MG	DA	3327	1/1	0.97	0.14	4,4,4,4	0
56	MG	DA	3329	1/1	0.97	0.14	10,10,10,10	0
56	MG	DA	3330	1/1	0.97	0.22	5,5,5,5	0
56	MG	DA	3140	1/1	0.97	0.07	3,3,3,3	0
56	MG	BA	3595	1/1	0.97	0.10	62,62,62,62	0
56	MG	BA	3344	1/1	0.97	0.27	47,47,47,47	0
56	MG	DA	3144	1/1	0.97	0.11	4,4,4,4	0
56	MG	DA	3147	1/1	0.97	0.22	3,3,3,3	0
56	MG	AA	1920	1/1	0.97	0.08	26,26,26,26	0
56	MG	BA	3455	1/1	0.97	0.11	26,26,26,26	0
56	MG	DA	3340	1/1	0.97	0.07	5,5,5,5	0
56	MG	DA	3341	1/1	0.97	0.21	3,3,3,3	0
56	MG	AA	1834	1/1	0.97	0.03	43,43,43,43	0
56	MG	DA	3151	1/1	0.97	0.04	4,4,4,4	0
56	MG	BA	3457	1/1	0.97	0.16	11,11,11,11	0
56	MG	BA	3851	1/1	0.97	0.17	17,17,17,17	0
56	MG	BA	3852	1/1	0.97	0.17	35,35,35,35	0
56	MG	DA	3004	1/1	0.97	0.10	3,3,3,3	0
56	MG	DA	3006	1/1	0.97	0.20	3,3,3,3	0
56	MG	BA	3289	1/1	0.97	0.04	31,31,31,31	0
56	MG	DA	3352	1/1	0.97	0.16	3,3,3,3	0
56	MG	DA	3160	1/1	0.97	0.20	3,3,3,3	0
56	MG	DA	3165	1/1	0.97	0.14	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	3169	1/1	0.97	0.17	3,3,3,3	0
56	MG	DA	3008	1/1	0.97	0.14	4,4,4,4	0
56	MG	DA	3009	1/1	0.97	0.14	3,3,3,3	0
56	MG	BA	3547	1/1	0.97	0.19	16,16,16,16	0
56	MG	DA	3177	1/1	0.97	0.17	3,3,3,3	0
56	MG	CA	1659	1/1	0.97	0.14	3,3,3,3	0
56	MG	DA	3179	1/1	0.97	0.23	3,3,3,3	0
56	MG	CA	1660	1/1	0.97	0.05	5,5,5,5	0
56	MG	DA	3183	1/1	0.97	0.13	3,3,3,3	0
56	MG	BA	3658	1/1	0.97	0.06	36,36,36,36	0
56	MG	BA	3721	1/1	0.97	0.23	34,34,34,34	0
56	MG	BA	3420	1/1	0.97	0.08	19,19,19,19	0
56	MG	DA	3371	1/1	0.97	0.06	56,56,56,56	0
56	MG	DA	3017	1/1	0.97	0.04	3,3,3,3	0
56	MG	BA	3605	1/1	0.97	0.07	12,12,12,12	0
56	MG	DA	3374	1/1	0.97	0.18	3,3,3,3	0
56	MG	BA	3549	1/1	0.97	0.25	27,27,27,27	0
56	MG	AY	105	1/1	0.97	0.15	39,39,39,39	0
56	MG	BA	3551	1/1	0.97	0.06	19,19,19,19	0
56	MG	DA	3027	1/1	0.97	0.07	6,6,6,6	0
56	MG	DA	3196	1/1	0.97	0.13	4,4,4,4	0
56	MG	BA	3728	1/1	0.97	0.17	34,34,34,34	0
56	MG	DA	3198	1/1	0.97	0.13	4,4,4,4	0
56	MG	CA	1772	1/1	0.97	0.15	3,3,3,3	0
56	MG	DA	3388	1/1	0.97	0.05	19,19,19,19	0
56	MG	BA	3552	1/1	0.97	0.07	15,15,15,15	0
56	MG	DA	3201	1/1	0.97	0.02	6,6,6,6	0
56	MG	DA	3202	1/1	0.97	0.19	3,3,3,3	0
56	MG	BA	3555	1/1	0.97	0.18	7,7,7,7	0
56	MG	BA	3291	1/1	0.97	0.17	9,9,9,9	0
56	MG	AA	1626	1/1	0.97	0.15	20,20,20,20	0
56	MG	BA	3353	1/1	0.97	0.07	37,37,37,37	0
56	MG	BA	3869	1/1	0.97	0.09	7,7,7,7	0
56	MG	BA	3293	1/1	0.97	0.13	7,7,7,7	0
56	MG	AK	207	1/1	0.97	0.10	65,65,65,65	0
56	MG	DA	3039	1/1	0.97	0.05	4,4,4,4	0
56	MG	BA	3672	1/1	0.97	0.06	18,18,18,18	0
56	MG	DA	3046	1/1	0.97	0.14	4,4,4,4	0
56	MG	DA	3402	1/1	0.97	0.08	32,32,32,32	0
56	MG	AL	201	1/1	0.97	0.03	28,28,28,28	0
56	MG	AA	2001	1/1	0.97	0.17	29,29,29,29	0
56	MG	BA	3875	1/1	0.97	0.04	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	DA	3410	1/1	0.97	0.12	3,3,3,3	0
56	MG	DA	3411	1/1	0.97	0.13	3,3,3,3	0
56	MG	DA	3412	1/1	0.97	0.14	3,3,3,3	0
56	MG	DA	3414	1/1	0.97	0.05	5,5,5,5	0
56	MG	DA	3218	1/1	0.97	0.04	4,4,4,4	0
56	MG	AL	203	1/1	0.97	0.08	43,43,43,43	0
56	MG	DA	3417	1/1	0.97	0.13	4,4,4,4	0
56	MG	DA	3418	1/1	0.97	0.16	3,3,3,3	0
56	MG	DA	3419	1/1	0.97	0.19	3,3,3,3	0
56	MG	DA	3051	1/1	0.97	0.13	3,3,3,3	0
56	MG	AA	2027	1/1	0.97	0.04	27,27,27,27	0
56	MG	DA	3055	1/1	0.97	0.18	3,3,3,3	0
56	MG	BA	3679	1/1	0.97	0.19	5,5,5,5	0
56	MG	DA	3426	1/1	0.97	0.04	5,5,5,5	0
56	MG	DA	3427	1/1	0.97	0.24	3,3,3,3	0
56	MG	AA	1703	1/1	0.97	0.13	48,48,48,48	0
56	MG	AA	1608	1/1	0.97	0.04	43,43,43,43	0
56	MG	DA	3434	1/1	0.97	0.06	3,3,3,3	0
56	MG	DA	3435	1/1	0.97	0.05	4,4,4,4	0
56	MG	BA	3810	1/1	0.97	0.17	12,12,12,12	0
56	MG	CA	1797	1/1	0.97	0.17	28,28,28,28	0
56	MG	DA	3438	1/1	0.97	0.05	6,6,6,6	0
56	MG	CA	1798	1/1	0.97	0.18	3,3,3,3	0
56	MG	BA	3472	1/1	0.97	0.10	10,10,10,10	0
56	MG	B0	102	1/1	0.97	0.23	37,37,37,37	0
56	MG	DA	3444	1/1	0.97	0.19	3,3,3,3	0
56	MG	DA	3447	1/1	0.97	0.20	15,15,15,15	0
56	MG	CA	1803	1/1	0.97	0.14	3,3,3,3	0
56	MG	DA	3450	1/1	0.97	0.18	12,12,12,12	0
56	MG	AA	1861	1/1	0.97	0.08	47,47,47,47	0
56	MG	DA	3452	1/1	0.97	0.27	38,38,38,38	0
56	MG	BA	3685	1/1	0.97	0.03	54,54,54,54	0
56	MG	B1	102	1/1	0.97	0.07	9,9,9,9	0
56	MG	CA	1808	1/1	0.97	0.24	3,3,3,3	0
56	MG	BA	3304	1/1	0.97	0.27	25,25,25,25	0
56	MG	DA	3457	1/1	0.97	0.15	4,4,4,4	0
56	MG	DA	3460	1/1	0.97	0.03	6,6,6,6	0
56	MG	DA	3461	1/1	0.97	0.07	4,4,4,4	0
56	MG	DA	3463	1/1	0.97	0.04	4,4,4,4	0
56	MG	BA	3305	1/1	0.97	0.12	18,18,18,18	0
56	MG	BA	3366	1/1	0.97	0.03	24,24,24,24	0
56	MG	BA	3817	1/1	0.97	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	DA	3249	1/1	0.97	0.10	6,6,6,6	0
56	MG	DA	3476	1/1	0.97	0.12	3,3,3,3	0
56	MG	CA	1700	1/1	0.97	0.05	12,12,12,12	0
56	MG	DA	3079	1/1	0.97	0.20	3,3,3,3	0
56	MG	CA	1701	1/1	0.97	0.14	13,13,13,13	0
56	MG	DA	3081	1/1	0.97	0.06	4,4,4,4	0
56	MG	DA	3083	1/1	0.97	0.12	3,3,3,3	0
56	MG	DA	3085	1/1	0.97	0.12	3,3,3,3	0
56	MG	DA	3487	1/1	0.97	0.15	3,3,3,3	0
56	MG	DA	3086	1/1	0.97	0.06	3,3,3,3	0
56	MG	DA	3263	1/1	0.97	0.07	4,4,4,4	0
56	MG	BA	3018	1/1	0.97	0.08	40,40,40,40	0
56	MG	DA	3088	1/1	0.97	0.04	4,4,4,4	0
56	MG	DB	207	1/1	0.97	0.10	4,4,4,4	0
56	MG	DB	208	1/1	0.97	0.12	3,3,3,3	0
56	MG	DB	209	1/1	0.97	0.18	3,3,3,3	0
56	MG	DA	3266	1/1	0.97	0.10	3,3,3,3	0
56	MG	AN	102	1/1	0.97	0.05	57,57,57,57	0
56	MG	DA	3269	1/1	0.97	0.07	3,3,3,3	0
56	MG	BA	3308	1/1	0.97	0.09	8,8,8,8	0
56	MG	BA	3145	1/1	0.97	0.09	22,22,22,22	0
56	MG	B4	101	1/1	0.97	0.03	29,29,29,29	0
56	MG	B4	102	1/1	0.97	0.09	31,31,31,31	0
56	MG	DA	3095	1/1	0.97	0.14	3,3,3,3	0
56	MG	DA	3096	1/1	0.97	0.16	3,3,3,3	0
56	MG	BA	3371	1/1	0.97	0.10	53,53,53,53	0
56	MG	DA	3100	1/1	0.97	0.09	4,4,4,4	0
56	MG	BA	3484	1/1	0.97	0.18	47,47,47,47	0
56	MG	BA	3695	1/1	0.97	0.12	70,70,70,70	0
56	MG	DA	3285	1/1	0.97	0.04	4,4,4,4	0
56	MG	BA	3372	1/1	0.97	0.03	37,37,37,37	0
56	MG	DA	3287	1/1	0.97	0.12	10,10,10,10	0
56	MG	DO	202	1/1	0.97	0.06	4,4,4,4	0
56	MG	BE	305	1/1	0.97	0.14	22,22,22,22	0
56	MG	DQ	201	1/1	0.97	0.10	4,4,4,4	0
56	MG	AO	101	1/1	0.97	0.07	33,33,33,33	0
56	MG	CZ	107	1/1	0.97	0.02	57,57,57,57	0
56	MG	DA	3292	1/1	0.97	0.07	74,74,74,74	0
56	MG	DA	3107	1/1	0.97	0.11	30,30,30,30	0
56	MG	AA	1784	1/1	0.97	0.13	25,25,25,25	0
57	ZN	AD	5001	1/1	0.97	0.16	41,41,41,41	0
56	MG	BA	3476	1/1	0.98	0.09	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	1637	1/1	0.98	0.06	4,4,4,4	0
56	MG	DA	3223	1/1	0.98	0.10	4,4,4,4	0
56	MG	BA	3282	1/1	0.98	0.09	34,34,34,34	0
56	MG	DA	3227	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3363	1/1	0.98	0.22	3,3,3,3	0
56	MG	CT	201	1/1	0.98	0.14	3,3,3,3	0
56	MG	CA	1707	1/1	0.98	0.04	36,36,36,36	0
56	MG	CA	1639	1/1	0.98	0.17	3,3,3,3	0
56	MG	DA	3368	1/1	0.98	0.11	3,3,3,3	0
56	MG	BA	3779	1/1	0.98	0.04	22,22,22,22	0
56	MG	AA	1615	1/1	0.98	0.04	4,4,4,4	0
56	MG	CA	1644	1/1	0.98	0.12	3,3,3,3	0
56	MG	AA	1702	1/1	0.98	0.21	48,48,48,48	0
56	MG	CA	1794	1/1	0.98	0.11	35,35,35,35	0
56	MG	BA	3220	1/1	0.98	0.17	13,13,13,13	0
56	MG	AA	1740	1/1	0.98	0.07	30,30,30,30	0
56	MG	DA	3013	1/1	0.98	0.13	3,3,3,3	0
56	MG	DA	3240	1/1	0.98	0.12	3,3,3,3	0
56	MG	BA	3739	1/1	0.98	0.13	23,23,23,23	0
56	MG	BA	3450	1/1	0.98	0.18	24,24,24,24	0
56	MG	DA	3116	1/1	0.98	0.08	3,3,3,3	0
56	MG	DA	3384	1/1	0.98	0.22	3,3,3,3	0
56	MG	DA	3244	1/1	0.98	0.03	5,5,5,5	0
56	MG	CA	1799	1/1	0.98	0.04	5,5,5,5	0
56	MG	CA	1800	1/1	0.98	0.19	3,3,3,3	0
56	MG	DA	3018	1/1	0.98	0.11	3,3,3,3	0
56	MG	DA	3019	1/1	0.98	0.08	3,3,3,3	0
56	MG	BA	3451	1/1	0.98	0.19	13,13,13,13	0
56	MG	BA	3242	1/1	0.98	0.12	23,23,23,23	0
56	MG	DA	3123	1/1	0.98	0.04	5,5,5,5	0
56	MG	DA	3253	1/1	0.98	0.10	3,3,3,3	0
56	MG	AA	1805	1/1	0.98	0.02	22,22,22,22	0
56	MG	DA	3024	1/1	0.98	0.10	3,3,3,3	0
56	MG	BA	3660	1/1	0.98	0.18	12,12,12,12	0
56	MG	DA	3257	1/1	0.98	0.13	3,3,3,3	0
56	MG	DA	3261	1/1	0.98	0.09	3,3,3,3	0
56	MG	CA	1805	1/1	0.98	0.10	3,3,3,3	0
56	MG	AA	1806	1/1	0.98	0.20	27,27,27,27	0
56	MG	CA	1657	1/1	0.98	0.17	3,3,3,3	0
56	MG	BA	3397	1/1	0.98	0.06	52,52,52,52	0
56	MG	BA	3554	1/1	0.98	0.14	7,7,7,7	0
56	MG	DA	3267	1/1	0.98	0.08	3,3,3,3	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	0.11	3,3,3,3	0
56	MG	DA	3408	1/1	0.98	0.11	4,4,4,4	0
56	MG	DA	3409	1/1	0.98	0.17	3,3,3,3	0
56	MG	AA	1890	1/1	0.98	0.07	21,21,21,21	0
56	MG	DA	3133	1/1	0.98	0.24	19,19,19,19	0
56	MG	BA	3206	1/1	0.98	0.02	35,35,35,35	0
56	MG	DA	3413	1/1	0.98	0.09	3,3,3,3	0
56	MG	BI	204	1/1	0.98	0.04	32,32,32,32	0
56	MG	DA	3274	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3275	1/1	0.98	0.09	4,4,4,4	0
56	MG	CA	1663	1/1	0.98	0.16	3,3,3,3	0
56	MG	DA	3036	1/1	0.98	0.09	5,5,5,5	0
56	MG	CA	1664	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3420	1/1	0.98	0.06	4,4,4,4	0
56	MG	CA	1730	1/1	0.98	0.13	4,4,4,4	0
56	MG	DA	3422	1/1	0.98	0.06	2,2,2,2	0
56	MG	AA	1621	1/1	0.98	0.15	25,25,25,25	0
56	MG	BA	3558	1/1	0.98	0.12	10,10,10,10	0
56	MG	DA	3145	1/1	0.98	0.09	4,4,4,4	0
56	MG	DA	3042	1/1	0.98	0.05	69,69,69,69	0
56	MG	DA	3284	1/1	0.98	0.08	8,8,8,8	0
56	MG	DA	3045	1/1	0.98	0.15	3,3,3,3	0
56	MG	BA	3294	1/1	0.98	0.14	4,4,4,4	0
56	MG	DA	3430	1/1	0.98	0.03	6,6,6,6	0
56	MG	BA	3594	1/1	0.98	0.14	12,12,12,12	0
56	MG	BA	3295	1/1	0.98	0.13	22,22,22,22	0
56	MG	DA	3289	1/1	0.98	0.17	59,59,59,59	0
56	MG	BA	3596	1/1	0.98	0.07	13,13,13,13	0
56	MG	BA	3081	1/1	0.98	0.21	31,31,31,31	0
56	MG	DA	3439	1/1	0.98	0.09	4,4,4,4	0
56	MG	BA	3673	1/1	0.98	0.20	19,19,19,19	0
56	MG	DA	3052	1/1	0.98	0.14	3,3,3,3	0
56	MG	DA	3442	1/1	0.98	0.14	3,3,3,3	0
56	MG	DA	3053	1/1	0.98	0.03	4,4,4,4	0
56	MG	BA	3803	1/1	0.98	0.20	32,32,32,32	0
56	MG	DA	3445	1/1	0.98	0.09	4,4,4,4	0
56	MG	CZ	104	1/1	0.98	0.13	3,3,3,3	0
56	MG	DA	3162	1/1	0.98	0.16	3,3,3,3	0
56	MG	DA	3163	1/1	0.98	0.16	3,3,3,3	0
56	MG	BA	3674	1/1	0.98	0.11	12,12,12,12	0
56	MG	DA	3166	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3167	1/1	0.98	0.02	6,6,6,6	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3168	1/1	0.98	0.10	4,4,4,4	0
56	MG	DA	3303	1/1	0.98	0.12	10,10,10,10	0
56	MG	BA	3900	1/1	0.98	0.19	51,51,51,51	0
56	MG	AA	1724	1/1	0.98	0.05	35,35,35,35	0
56	MG	DA	3458	1/1	0.98	0.11	6,6,6,6	0
56	MG	DA	3171	1/1	0.98	0.06	3,3,3,3	0
56	MG	DA	3172	1/1	0.98	0.14	3,3,3,3	0
56	MG	DA	3462	1/1	0.98	0.09	3,3,3,3	0
56	MG	AA	1640	1/1	0.98	0.10	36,36,36,36	0
56	MG	BA	3761	1/1	0.98	0.12	29,29,29,29	0
56	MG	BA	3098	1/1	0.98	0.10	27,27,27,27	0
56	MG	DA	3467	1/1	0.98	0.11	3,3,3,3	0
56	MG	DA	3468	1/1	0.98	0.23	3,3,3,3	0
56	MG	BA	3351	1/1	0.98	0.06	22,22,22,22	0
56	MG	DA	3470	1/1	0.98	0.10	4,4,4,4	0
56	MG	DA	3471	1/1	0.98	0.08	4,4,4,4	0
56	MG	DA	3472	1/1	0.98	0.04	4,4,4,4	0
56	MG	CA	1749	1/1	0.98	0.15	3,3,3,3	0
56	MG	DA	3474	1/1	0.98	0.14	3,3,3,3	0
56	MG	DA	3475	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3064	1/1	0.98	0.07	4,4,4,4	0
56	MG	CA	1753	1/1	0.98	0.07	3,3,3,3	0
56	MG	DA	3184	1/1	0.98	0.10	3,3,3,3	0
56	MG	DA	3480	1/1	0.98	0.16	3,3,3,3	0
56	MG	CA	1756	1/1	0.98	0.08	3,3,3,3	0
56	MG	AA	1927	1/1	0.98	0.13	29,29,29,29	0
56	MG	DA	3068	1/1	0.98	0.12	4,4,4,4	0
56	MG	CA	1605	1/1	0.98	0.14	3,3,3,3	0
56	MG	CA	1608	1/1	0.98	0.12	3,3,3,3	0
56	MG	CA	1610	1/1	0.98	0.07	4,4,4,4	0
56	MG	DA	3192	1/1	0.98	0.19	3,3,3,3	0
56	MG	DA	3490	1/1	0.98	0.16	3,3,3,3	0
56	MG	DA	3324	1/1	0.98	0.22	3,3,3,3	0
56	MG	DA	3325	1/1	0.98	0.18	3,3,3,3	0
56	MG	DB	202	1/1	0.98	0.14	3,3,3,3	0
56	MG	DB	205	1/1	0.98	0.18	3,3,3,3	0
56	MG	CA	1612	1/1	0.98	0.06	3,3,3,3	0
56	MG	CA	1613	1/1	0.98	0.12	3,3,3,3	0
56	MG	DA	3328	1/1	0.98	0.13	23,23,23,23	0
56	MG	DA	3075	1/1	0.98	0.04	4,4,4,4	0
56	MG	BA	3115	1/1	0.98	0.04	61,61,61,61	0
56	MG	DA	3077	1/1	0.98	0.05	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	BA	3531	1/1	0.98	0.07	12,12,12,12	0
56	MG	CY	113	1/1	0.98	0.13	27,27,27,27	0
56	MG	BA	3682	1/1	0.98	0.03	20,20,20,20	0
56	MG	AA	1731	1/1	0.98	0.12	17,17,17,17	0
56	MG	DA	3082	1/1	0.98	0.21	3,3,3,3	0
56	MG	DA	3337	1/1	0.98	0.06	4,4,4,4	0
56	MG	CC	301	1/1	0.98	0.16	3,3,3,3	0
56	MG	DA	3084	1/1	0.98	0.19	3,3,3,3	0
56	MG	BA	3911	1/1	0.98	0.03	22,22,22,22	0
56	MG	BA	3215	1/1	0.98	0.07	27,27,27,27	0
56	MG	BA	3726	1/1	0.98	0.09	25,25,25,25	0
56	MG	CA	1625	1/1	0.98	0.17	3,3,3,3	0
56	MG	DA	3089	1/1	0.98	0.10	4,4,4,4	0
56	MG	BA	3357	1/1	0.98	0.12	31,31,31,31	0
56	MG	AA	1811	1/1	0.98	0.20	37,37,37,37	0
56	MG	CA	1629	1/1	0.98	0.05	4,4,4,4	0
56	MG	DQ	202	1/1	0.98	0.18	3,3,3,3	0
56	MG	BA	3236	1/1	0.98	0.05	35,35,35,35	0
56	MG	AA	2014	1/1	0.98	0.11	21,21,21,21	0
56	MG	BA	3281	1/1	0.98	0.08	61,61,61,61	0
56	MG	D1	101	1/1	0.98	0.13	3,3,3,3	0
56	MG	CA	1782	1/1	0.98	0.07	3,3,3,3	0
56	MG	BA	3612	1/1	0.98	0.06	9,9,9,9	0
56	MG	DA	3220	1/1	0.98	0.25	21,21,21,21	0
57	ZN	CN	101	1/1	0.98	0.05	100,100,100,100	0
56	MG	DA	3343	1/1	0.99	0.14	3,3,3,3	0
56	MG	DA	3431	1/1	0.99	0.10	3,3,3,3	0
56	MG	DA	3432	1/1	0.99	0.18	3,3,3,3	0
56	MG	DA	3433	1/1	0.99	0.13	3,3,3,3	0
56	MG	BA	3538	1/1	0.99	0.09	30,30,30,30	0
56	MG	CA	1614	1/1	0.99	0.14	3,3,3,3	0
56	MG	BQ	206	1/1	0.99	0.04	13,13,13,13	0
56	MG	CZ	111	1/1	0.99	0.19	3,3,3,3	0
56	MG	CA	1646	1/1	0.99	0.13	3,3,3,3	0
56	MG	CZ	113	1/1	0.99	0.24	3,3,3,3	0
56	MG	DA	3071	1/1	0.99	0.11	3,3,3,3	0
56	MG	BA	3142	1/1	0.99	0.05	24,24,24,24	0
56	MG	CY	101	1/1	0.99	0.14	3,3,3,3	0
56	MG	CA	1748	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3273	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3020	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3446	1/1	0.99	0.12	3,3,3,3	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	BA	3842	1/1	0.99	0.15	16,16,16,16	0
56	MG	DA	3448	1/1	0.99	0.09	21,21,21,21	0
56	MG	DA	3357	1/1	0.99	0.15	3,3,3,3	0
56	MG	CA	1750	1/1	0.99	0.10	4,4,4,4	0
56	MG	CA	1751	1/1	0.99	0.14	3,3,3,3	0
56	MG	CA	1752	1/1	0.99	0.23	3,3,3,3	0
56	MG	AA	1877	1/1	0.99	0.26	24,24,24,24	0
56	MG	CA	1755	1/1	0.99	0.13	4,4,4,4	0
56	MG	DA	3136	1/1	0.99	0.15	8,8,8,8	0
56	MG	DA	3137	1/1	0.99	0.23	3,3,3,3	0
56	MG	DA	3365	1/1	0.99	0.18	3,3,3,3	0
56	MG	CY	109	1/1	0.99	0.12	3,3,3,3	0
56	MG	DA	3459	1/1	0.99	0.19	4,4,4,4	0
56	MG	BA	3071	1/1	0.99	0.05	35,35,35,35	0
56	MG	CA	1620	1/1	0.99	0.06	4,4,4,4	0
56	MG	DA	3141	1/1	0.99	0.08	4,4,4,4	0
56	MG	CA	1621	1/1	0.99	0.19	3,3,3,3	0
56	MG	DA	3464	1/1	0.99	0.14	3,3,3,3	0
56	MG	BA	3553	1/1	0.99	0.08	12,12,12,12	0
56	MG	AA	1601	1/1	0.99	0.04	37,37,37,37	0
56	MG	DA	3212	1/1	0.99	0.06	5,5,5,5	0
56	MG	CA	1761	1/1	0.99	0.07	30,30,30,30	0
56	MG	DA	3146	1/1	0.99	0.19	3,3,3,3	0
56	MG	DA	3215	1/1	0.99	0.12	4,4,4,4	0
56	MG	CA	1624	1/1	0.99	0.12	3,3,3,3	0
56	MG	DA	3378	1/1	0.99	0.15	3,3,3,3	0
56	MG	CA	1656	1/1	0.99	0.13	5,5,5,5	0
56	MG	DA	3381	1/1	0.99	0.11	3,3,3,3	0
56	MG	BA	3261	1/1	0.99	0.12	14,14,14,14	0
56	MG	BA	3533	1/1	0.99	0.07	2,2,2,2	0
56	MG	BA	3809	1/1	0.99	0.06	13,13,13,13	0
56	MG	DA	3478	1/1	0.99	0.18	3,3,3,3	0
56	MG	DA	3152	1/1	0.99	0.04	5,5,5,5	0
56	MG	DA	3386	1/1	0.99	0.13	3,3,3,3	0
56	MG	CA	1628	1/1	0.99	0.10	4,4,4,4	0
56	MG	BA	3286	1/1	0.99	0.20	17,17,17,17	0
56	MG	DA	3483	1/1	0.99	0.11	4,4,4,4	0
56	MG	DA	3484	1/1	0.99	0.18	3,3,3,3	0
56	MG	DA	3043	1/1	0.99	0.12	3,3,3,3	0
56	MG	DA	3225	1/1	0.99	0.10	4,4,4,4	0
56	MG	DA	3226	1/1	0.99	0.06	4,4,4,4	0
56	MG	AA	1840	1/1	0.99	0.19	26,26,26,26	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	DA	3098	1/1	0.99	0.13	3,3,3,3	0
56	MG	DA	3099	1/1	0.99	0.14	3,3,3,3	0
56	MG	DA	3159	1/1	0.99	0.17	3,3,3,3	0
56	MG	DA	3309	1/1	0.99	0.10	4,4,4,4	0
56	MG	CA	1631	1/1	0.99	0.15	3,3,3,3	0
56	MG	DB	203	1/1	0.99	0.15	3,3,3,3	0
56	MG	DB	204	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3161	1/1	0.99	0.22	3,3,3,3	0
56	MG	DB	206	1/1	0.99	0.07	4,4,4,4	0
56	MG	BA	3352	1/1	0.99	0.05	17,17,17,17	0
56	MG	DA	3234	1/1	0.99	0.09	3,3,3,3	0
56	MG	CA	1665	1/1	0.99	0.19	3,3,3,3	0
56	MG	DB	210	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3164	1/1	0.99	0.10	4,4,4,4	0
56	MG	DB	212	1/1	0.99	0.14	3,3,3,3	0
56	MG	CA	1666	1/1	0.99	0.19	3,3,3,3	0
56	MG	DA	3404	1/1	0.99	0.06	5,5,5,5	0
56	MG	CA	1606	1/1	0.99	0.16	3,3,3,3	0
56	MG	CA	1776	1/1	0.99	0.13	3,3,3,3	0
56	MG	CA	1777	1/1	0.99	0.14	4,4,4,4	0
56	MG	CA	1607	1/1	0.99	0.17	3,3,3,3	0
56	MG	CS	101	1/1	0.99	0.17	3,3,3,3	0
56	MG	CA	1822	1/1	0.99	0.21	3,3,3,3	0
56	MG	BB	234	1/1	0.99	0.01	23,23,23,23	0
56	MG	DA	3173	1/1	0.99	0.09	3,3,3,3	0
56	MG	DA	3174	1/1	0.99	0.07	3,3,3,3	0
56	MG	DA	3247	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3002	1/1	0.99	0.21	3,3,3,3	0
56	MG	CA	1636	1/1	0.99	0.20	3,3,3,3	0
56	MG	DA	3005	1/1	0.99	0.08	3,3,3,3	0
56	MG	DO	201	1/1	0.99	0.13	3,3,3,3	0
56	MG	CA	1609	1/1	0.99	0.22	3,3,3,3	0
56	MG	BA	3473	1/1	0.99	0.10	31,31,31,31	0
56	MG	CA	1611	1/1	0.99	0.17	3,3,3,3	0
56	MG	DA	3181	1/1	0.99	0.15	3,3,3,3	0
56	MG	DA	3182	1/1	0.99	0.16	3,3,3,3	0
56	MG	DT	201	1/1	0.99	0.21	3,3,3,3	0
56	MG	BA	3868	1/1	0.99	0.08	11,11,11,11	0
56	MG	CA	1642	1/1	0.99	0.24	3,3,3,3	0
56	MG	DA	3258	1/1	0.99	0.04	6,6,6,6	0
56	MG	DA	3259	1/1	0.99	0.13	4,4,4,4	0
56	MG	DA	3339	1/1	0.99	0.06	6,6,6,6	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
56	MG	D8	101	1/1	0.99	0.17	3,3,3,3	0
56	MG	DA	3260	1/1	0.99	0.11	3,3,3,3	0
57	ZN	AN	101	1/1	0.99	0.03	82,82,82,82	0
57	ZN	CD	5001	1/1	0.99	0.15	63,63,63,63	0
56	MG	DA	3185	1/1	0.99	0.09	4,4,4,4	0
56	MG	CA	1764	1/1	1.00	0.17	3,3,3,3	0
56	MG	CB	302	1/1	1.00	0.08	3,3,3,3	0
56	MG	DA	3025	1/1	1.00	0.14	3,3,3,3	0
56	MG	DA	3003	1/1	1.00	0.17	4,4,4,4	0
56	MG	CA	1640	1/1	1.00	0.15	4,4,4,4	0
56	MG	DA	3040	1/1	1.00	0.17	3,3,3,3	0
56	MG	CA	1733	1/1	1.00	0.15	3,3,3,3	0
56	MG	CA	1754	1/1	1.00	0.15	3,3,3,3	0
56	MG	DA	3342	1/1	1.00	0.11	7,7,7,7	0
56	MG	AA	1837	1/1	1.00	0.03	17,17,17,17	0
56	MG	DA	3044	1/1	1.00	0.12	3,3,3,3	0
56	MG	CA	1784	1/1	1.00	0.18	3,3,3,3	0
56	MG	DA	3270	1/1	1.00	0.10	4,4,4,4	0
56	MG	DA	3379	1/1	1.00	0.26	3,3,3,3	0
56	MG	AA	1760	1/1	1.00	0.02	8,8,8,8	0
56	MG	BA	3342	1/1	1.00	0.10	20,20,20,20	0
56	MG	CA	1778	1/1	1.00	0.09	3,3,3,3	0

5.5 Other polymers ⓘ

There are no such residues in this entry.