



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 30, 2026 – 12:25 PM UTC

PDB ID : 4WT1 / pdb_00004wt1
Title : Complex of 70S ribosome with tRNA-Phe and mRNA with A-A mismatch in the second position in the A-site
Authors : Rozov, A.; Demeshkina, N.; Yusupov, M.; Yusupova, G.
Deposited on : 2014-10-29
Resolution : 3.05 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**
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
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) : 2.49

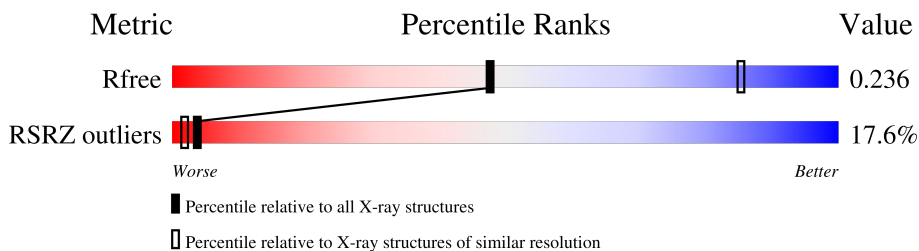
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.05 Å.

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



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	2469 (3.10-3.02)
RSRZ outliers	180081	2469 (3.10-3.02)

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	13	1620	-	-	-	X
56	MG	13	1621	-	-	-	X
56	MG	13	1629	-	-	-	X
56	MG	13	1637	-	-	-	X
56	MG	13	1669	-	-	-	X
56	MG	13	1682	-	-	-	X
56	MG	13	1691	-	-	-	X
56	MG	13	1697	-	-	-	X
56	MG	13	1698	-	-	-	X
56	MG	13	1704	-	-	-	X
56	MG	13	1711	-	-	-	X
56	MG	13	1715	-	-	-	X
56	MG	14	3007	-	-	-	X
56	MG	14	3022	-	-	-	X
56	MG	14	3029	-	-	-	X
56	MG	14	3044	-	-	-	X
56	MG	14	3064	-	-	-	X
56	MG	14	3066	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	14	3091	-	-	-	X
56	MG	14	3093	-	-	-	X
56	MG	14	3109	-	-	-	X
56	MG	14	3120	-	-	-	X
56	MG	14	3137	-	-	-	X
56	MG	14	3142	-	-	-	X
56	MG	14	3143	-	-	-	X
56	MG	14	3158	-	-	-	X
56	MG	14	3169	-	-	-	X
56	MG	14	3183	-	-	-	X
56	MG	14	3185	-	-	-	X
56	MG	14	3188	-	-	-	X
56	MG	14	3194	-	-	-	X
56	MG	14	3197	-	-	-	X
56	MG	14	3199	-	-	-	X
56	MG	14	3201	-	-	-	X
56	MG	14	3202	-	-	-	X
56	MG	14	3216	-	-	-	X
56	MG	14	3227	-	-	-	X
56	MG	14	3232	-	-	-	X
56	MG	14	3235	-	-	-	X
56	MG	14	3258	-	-	-	X
56	MG	14	3267	-	-	-	X
56	MG	14	3272	-	-	-	X
56	MG	14	3274	-	-	-	X
56	MG	14	3288	-	-	-	X
56	MG	14	3293	-	-	-	X
56	MG	14	3307	-	-	-	X
56	MG	14	3314	-	-	-	X
56	MG	14	3329	-	-	-	X
56	MG	1G	1615	-	-	-	X
56	MG	1G	1626	-	-	-	X
56	MG	1G	1634	-	-	-	X
56	MG	1G	1654	-	-	-	X
56	MG	1G	1670	-	-	-	X
56	MG	1H	3011	-	-	-	X
56	MG	1H	3013	-	-	-	X
56	MG	1H	3026	-	-	-	X
56	MG	1H	3027	-	-	-	X
56	MG	1H	3028	-	-	-	X
56	MG	1H	3033	-	-	-	X
56	MG	1H	3061	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
56	MG	1H	3111	-	-	-	X
56	MG	1H	3119	-	-	-	X
56	MG	1H	3138	-	-	-	X
56	MG	1H	3143	-	-	-	X
56	MG	1H	3158	-	-	-	X
56	MG	1H	3160	-	-	-	X
56	MG	1H	3164	-	-	-	X
56	MG	1H	3204	-	-	-	X
56	MG	1H	3213	-	-	-	X
56	MG	1H	3234	-	-	-	X
56	MG	1H	3242	-	-	-	X
56	MG	1H	3255	-	-	-	X
56	MG	1H	3270	-	-	-	X
56	MG	1H	3272	-	-	-	X
56	MG	1H	3275	-	-	-	X
56	MG	1H	3277	-	-	-	X
56	MG	1H	3288	-	-	-	X
56	MG	1H	3304	-	-	-	X
56	MG	1H	3310	-	-	-	X
56	MG	1H	3320	-	-	-	X
56	MG	1H	3326	-	-	-	X
56	MG	1H	3336	-	-	-	X
56	MG	1H	3340	-	-	-	X
56	MG	1H	3344	-	-	-	X
56	MG	1J	203	-	-	-	X
56	MG	25	202	-	-	-	X
56	MG	2K	105	-	-	-	X
56	MG	2K	106	-	-	-	X
56	MG	2K	107	-	-	-	X
56	MG	88	201	-	-	-	X

2 Entry composition

There are 58 unique types of molecules in this entry. The entry contains 299951 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 ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
1	13	1498	Total 32207	C 14334	N 5973	O 10402	P 1498	0	0	0
1	1G	1497	Total 32182	C 14324	N 5968	O 10394	P 1496	0	0	0

- Molecule 2 is a protein called 30S ribosomal protein S2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	1E	237	Total 1924	C 1228	N 344	O 347	S 5	0	0	0
2	12	237	Total 1924	C 1228	N 344	O 347	S 5	0	0	0

- Molecule 3 is a protein called 30S ribosomal protein S3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
3	2E	205	Total 1605	C 1011	N 313	O 280	S 1	0	0	0
3	22	206	Total 1612	C 1016	N 314	O 281	S 1	0	0	0

- Molecule 4 is a protein called 30S ribosomal protein S4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
4	3E	208	Total 1702	C 1066	N 339	O 290	S 7	0	0	0
4	32	208	Total 1702	C 1066	N 339	O 290	S 7	0	0	0

- Molecule 5 is a protein called 30S ribosomal protein S5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
5	4E	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			
5	42	151	Total	C	N	O	S	0	0	0
			1155	729	218	204	4			

- Molecule 6 is a protein called 30S ribosomal protein S6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	5E	101	Total	C	N	O	S	0	0	0
			842	531	155	153	3			
6	52	101	Total	C	N	O	S	0	0	0
			842	531	155	153	3			

- Molecule 7 is a protein called 30S ribosomal protein S7.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	6E	155	Total	C	N	O	S	0	0	0
			1256	781	252	217	6			
7	62	155	Total	C	N	O	S	0	0	0
			1256	781	252	217	6			

- Molecule 8 is a protein called 30S ribosomal protein S8.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	7E	138	Total	C	N	O	S	0	0	0
			1115	705	215	192	3			
8	72	138	Total	C	N	O	S	0	0	0
			1115	705	215	192	3			

- Molecule 9 is a protein called 30S ribosomal protein S9.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	8E	127	Total	C	N	O	0	0	0
			1009	639	197	173			
9	82	127	Total	C	N	O	0	0	0
			1009	639	197	173			

- Molecule 10 is a protein called 30S ribosomal protein S10.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1I	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	1A	99	Total	C	N	O	S	0	0	0
			801	504	157	139	1			

- Molecule 11 is a protein called 30S ribosomal protein S11.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	2I	116	Total	C	N	O	S	0	0	0
			864	537	164	160	3			
11	2A	116	Total	C	N	O	S	0	0	0
			864	537	164	160	3			

- Molecule 12 is a protein called 30S ribosomal protein S12.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
12	3I	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			
12	3A	125	Total	C	N	O	S	0	0	0
			975	614	196	164	1			

- Molecule 13 is a protein called 30S ribosomal protein S13.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	4I	118	Total	C	N	O	S	0	0	0
			938	580	193	163	2			
13	4A	117	Total	C	N	O	S	0	0	0
			933	577	192	162	2			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
4I	119	ALA	GLY	conflict	UNP P80377
4A	119	ALA	GLY	conflict	UNP P80377

- Molecule 14 is a protein called 30S ribosomal protein S14 type Z.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
14	5I	60	Total	C	N	O	S	0	0	0
			491	312	104	71	4			
14	5A	58	Total	C	N	O	S	0	0	0
			475	303	99	69	4			

- Molecule 15 is a protein called 30S ribosomal protein S15.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
15	6I	88	Total	C	N	O	S	0	0	0
			733	459	147	125	2			
15	6A	88	Total	C	N	O	S	0	0	0
			733	459	147	125	2			

- Molecule 16 is a protein called 30S ribosomal protein S16.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
16	7I	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			
16	7A	84	Total	C	N	O	S	0	0	0
			705	446	140	118	1			

- Molecule 17 is a protein called 30S ribosomal protein S17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
17	8I	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			
17	8A	100	Total	C	N	O	S	0	0	0
			834	534	155	143	2			

- Molecule 18 is a protein called 30S ribosomal protein S18.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
18	9I	72	Total	C	N	O	0	0	0
			590	376	117	97			
18	9A	72	Total	C	N	O	0	0	0
			590	376	117	97			

- Molecule 19 is a protein called 30S ribosomal protein S19.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
19	AI	81	Total	C	N	O	S	0	0	0
			647	413	119	113	2			
19	AA	78	Total	C	N	O	S	0	0	0
			624	398	115	109	2			

- Molecule 20 is a protein called 30S ribosomal protein S20.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
20	BI	99	Total	C	N	O	S	0	0	0
			762	470	162	128	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
20	BA	99	762	470	162	128	2	0	0	0

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
21	1F	25	217	134	52	31	0	0	0
21	1B	25	217	134	52	31	0	0	0

- Molecule 22 is a RNA chain called tRNA-Phe.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
			Total	C	N	O	P				S
22	1K	76	1628	731	290	530	75	2	0	0	0

- Molecule 23 is a RNA chain called tRNA-fMet.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace	
			Total	C	N	O	P				S
23	2K	77	1646	735	298	535	77	1	0	0	0
23	2L	77	1646	735	298	535	77	1	0	0	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
2K	18	C	U	conflict	GB 675818144
2L	18	C	U	conflict	GB 675818144

- Molecule 24 is a RNA chain called tRNA-Phe.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	P			
24	3K	76	1619	723	290	531	75	0	0	0
24	1L	76	1619	723	290	531	75	0	0	0
24	3L	76	1619	723	290	531	75	0	0	0

- Molecule 25 is a RNA chain called mRNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
25	4K	13	Total	C	N	O	P	0	0	0
			281	127	57	84	13			
25	4L	9	Total	C	N	O	P	0	0	0
			193	87	37	60	9			

- Molecule 26 is a RNA chain called 23S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
26	1H	2912	Total	C	N	O	P	0	0	0
			62707	27911	11722	20163	2911			
26	14	2909	Total	C	N	O	P	0	0	0
			62647	27884	11716	20139	2908			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1H	161	U	-	insertion	GB 48268
1H	493	G	-	insertion	GB 48268
1H	1228	G	-	insertion	GB 48268
14	161	U	-	insertion	GB 48268
14	493	G	-	insertion	GB 48268
14	1228	G	-	insertion	GB 48268

- Molecule 27 is a RNA chain called 5S ribosomal RNA.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
27	16	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			
27	1J	122	Total	C	N	O	P	0	0	0
			2617	1166	486	844	121			

- Molecule 28 is a protein called 50S ribosomal protein L2.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
28	11	272	Total	C	N	O	S	0	0	0
			2115	1335	420	357	3			
28	19	273	Total	C	N	O	S	0	0	0
			2120	1338	421	358	3			

- Molecule 29 is a protein called 50S ribosomal protein L3.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
29	21	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			
29	29	205	Total	C	N	O	S	0	0	0
			1568	991	300	271	6			

- Molecule 30 is a protein called 50S ribosomal protein L4.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
30	31	202	Total	C	N	O	S	0	0	0
			1585	1011	297	275	2			
30	39	208	Total	C	N	O	S	0	0	0
			1627	1037	304	283	3			

- Molecule 31 is a protein called 50S ribosomal protein L5.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
31	41	181	Total	C	N	O	S	0	0	0
			1473	942	268	259	4			
31	49	181	Total	C	N	O	S	0	0	0
			1473	942	268	259	4			

- Molecule 32 is a protein called 50S ribosomal protein L6.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
32	51	174	Total	C	N	O	S	0	0	0
			1336	848	251	236	1			
32	59	169	Total	C	N	O	S	0	0	0
			1299	823	244	231	1			

- Molecule 33 is a protein called 50S ribosomal protein L9.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
33	61	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			
33	69	146	Total	C	N	O	S	0	0	0
			1136	726	201	208	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
34	58	138	Total	C	N	O	S	0	0	0
			1104	712	206	182	4			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
34	15	138	1104	712	206	182	4	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
35	68	122	932	588	171	169	4	0	0	0
35	25	122	932	588	171	169	4	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
36	78	150	1144	712	232	197	3	0	0	0
36	35	150	1144	712	232	197	3	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
37	88	138	1086	693	208	179	6	0	0	0
37	45	141	1121	715	212	187	7	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
38	98	118	967	604	203	159	1	0	0	0
38	55	117	959	599	202	158		0	0	0

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace	
			Total	C	N	O				
39	A8	111	881	556	176	149		0	0	0
39	65	111	881	556	176	149		0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
40	B8	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			
40	75	137	Total	C	N	O	S	0	0	0
			1141	710	234	196	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
41	C8	117	Total	C	N	O	S	0	0	0
			963	610	202	150	1			
41	85	117	Total	C	N	O	S	0	0	0
			963	610	202	150	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
42	D8	101	Total	C	N	O	S	0	0	0
			778	501	142	134	1			
42	95	101	Total	C	N	O	S	0	0	0
			778	501	142	134	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
43	E8	113	Total	C	N	O	S	0	0	0
			899	566	177	154	2			
43	A5	113	Total	C	N	O	S	0	0	0
			899	566	177	154	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
44	F8	94	Total	C	N	O	S	0	0	0
			742	482	134	125	1			
44	B5	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	G8	104	Total	C	N	O	S	0	0	0
			791	510	149	127	5			
45	C5	104	Total	C	N	O	S	0	0	0
			794	510	152	127	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
46	H8	175	Total	C	N	O	S	0	0	0
			1397	892	251	251	3			
46	D5	179	Total	C	N	O	S	0	0	0
			1428	911	255	259	3			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
47	I8	80	Total	C	N	O	S	0	0	0
			626	388	132	105	1			
47	E5	76	Total	C	N	O	S	0	0	0
			606	376	128	101	1			

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
I8	6	ALA	GLY	conflict	UNP P60493
I8	8	ALA	GLY	conflict	UNP P60493
E5	6	ALA	GLY	conflict	UNP P60493
E5	8	ALA	GLY	conflict	UNP P60493

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
48	J8	97	Total	C	N	O	S	0	0	0
			762	481	150	130	1			
48	F5	97	Total	C	N	O	S	0	0	0
			762	481	150	130	1			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
49	K8	67	Total	C	N	O	S	0	0	0
			563	349	114	99	1			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
49	G5	66	558	346	113	98	1	0	0	0

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
50	L8	57	452	288	88	76	0	0	0
50	H5	59	468	298	90	80	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
51	M8	66	533	335	96	97	5	0	0	0
51	I5	63	515	326	93	91	5	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
52	N8	58	453	285	89	74	5	0	0	0
52	J5	56	434	272	87	70	5	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
53	O8	45	389	241	79	65	4	0	0	0
53	K5	45	389	241	79	65	4	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
54	P8	45	391	240	97	52	2	0	0	0
54	L5	46	398	245	98	53	2	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
55	Q8	61	Total 485	C 309	N 99	O 75	S 2	0	0	0
55	M5	60	Total 477	C 303	N 98	O 74	S 2	0	0	0

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

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	13	152	Total 152	Mg 152	0	0
56	5E	1	Total 1	Mg 1	0	0
56	3I	2	Total 2	Mg 2	0	0
56	2K	7	Total 7	Mg 7	0	0
56	4K	1	Total 1	Mg 1	0	0
56	1H	506	Total 506	Mg 506	0	0
56	16	15	Total 15	Mg 15	0	0
56	11	2	Total 2	Mg 2	0	0
56	21	2	Total 2	Mg 2	0	0
56	31	1	Total 1	Mg 1	0	0
56	41	2	Total 2	Mg 2	0	0
56	78	2	Total 2	Mg 2	0	0
56	88	2	Total 2	Mg 2	0	0
56	G8	1	Total 1	Mg 1	0	0
56	I8	2	Total 2	Mg 2	0	0
56	J8	1	Total 1	Mg 1	0	0
56	L8	1	Total 1	Mg 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
56	P8	1	Total 1	Mg 1	0	0
56	1G	88	Total 88	Mg 88	0	0
56	32	1	Total 1	Mg 1	0	0
56	52	1	Total 1	Mg 1	0	0
56	6A	1	Total 1	Mg 1	0	0
56	2L	3	Total 3	Mg 3	0	0
56	14	426	Total 426	Mg 426	0	0
56	1J	10	Total 10	Mg 10	0	0
56	29	2	Total 2	Mg 2	0	0
56	39	3	Total 3	Mg 3	0	0
56	49	1	Total 1	Mg 1	0	0
56	15	1	Total 1	Mg 1	0	0
56	25	2	Total 2	Mg 2	0	0
56	35	1	Total 1	Mg 1	0	0
56	45	2	Total 2	Mg 2	0	0
56	85	1	Total 1	Mg 1	0	0
56	C5	1	Total 1	Mg 1	0	0
56	E5	1	Total 1	Mg 1	0	0
56	M5	1	Total 1	Mg 1	0	0

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

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
57	3E	1	Total Zn 1 1	0	0
57	5I	1	Total Zn 1 1	0	0
57	G8	1	Total Zn 1 1	0	0
57	32	1	Total Zn 1 1	0	0
57	5A	1	Total Zn 1 1	0	0
57	C5	1	Total Zn 1 1	0	0

- Molecule 58 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	13	164	Total O 164 164	0	0
58	3E	1	Total O 1 1	0	0
58	4E	1	Total O 1 1	0	0
58	1I	1	Total O 1 1	0	0
58	3I	1	Total O 1 1	0	0
58	5I	1	Total O 1 1	0	0
58	6I	1	Total O 1 1	0	0
58	7I	1	Total O 1 1	0	0
58	4K	1	Total O 1 1	0	0
58	1H	920	Total O 920 920	0	0
58	16	6	Total O 6 6	0	0
58	11	9	Total O 9 9	0	0
58	21	5	Total O 5 5	0	0
58	31	7	Total O 7 7	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
58	78	6	Total O 6 6	0	0
58	B8	1	Total O 1 1	0	0
58	C8	2	Total O 2 2	0	0
58	E8	1	Total O 1 1	0	0
58	F8	1	Total O 1 1	0	0
58	G8	3	Total O 3 3	0	0
58	J8	1	Total O 1 1	0	0
58	L8	3	Total O 3 3	0	0
58	P8	1	Total O 1 1	0	0
58	Q8	2	Total O 2 2	0	0
58	1G	64	Total O 64 64	0	0
58	32	1	Total O 1 1	0	0
58	7A	1	Total O 1 1	0	0
58	14	543	Total O 543 543	0	0
58	1J	18	Total O 18 18	0	0
58	19	3	Total O 3 3	0	0
58	29	3	Total O 3 3	0	0
58	39	8	Total O 8 8	0	0
58	15	1	Total O 1 1	0	0
58	35	1	Total O 1 1	0	0
58	85	1	Total O 1 1	0	0

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
58	L5	2	Total	O	0	0
			2	2		

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3 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	209.90Å 447.90Å 621.50Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	188.03 – 3.05 188.03 – 3.05	Depositor EDS
% Data completeness (in resolution range)	99.8 (188.03-3.05) 91.4 (188.03-3.05)	Depositor EDS
R_{merge}	0.28	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	0.71 (at 3.07Å)	Xtrriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.199 , (Not available) 0.201 , 0.236	Depositor DCC
R_{free} test set	1998 reflections (0.18%)	wwPDB-VP
Wilson B-factor (Å ²)	95.1	Xtrriage
Anisotropy	0.265	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.34 , 220.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.45$, $\langle L^2 \rangle = 0.27$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	299951	wwPDB-VP
Average B, all atoms (Å ²)	128.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.50% 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](#)

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

4.2 Too-close contacts [i](#)

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

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

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4.3.2 Protein sidechains [i](#)

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

4.3.3 RNA [i](#)

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

17 non-standard protein/DNA/RNA residues are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
23	7MG	2L	47	23	23,26,27	3.10	7 (30%)	27,39,42	2.83	9 (33%)
22	7MG	1K	46	22	23,26,27	3.05	7 (30%)	27,39,42	2.88	8 (29%)
23	4SU	2L	8	23	18,21,22	2.05	5 (27%)	25,30,33	2.45	6 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	PSU	1K	55	22	18,21,22	1.43	1 (5%)	21,30,33	1.60	4 (19%)
23	OMC	2K	33	23	19,22,23	1.80	3 (15%)	25,31,34	1.04	1 (4%)
22	4SU	1K	8	22	18,21,22	1.97	5 (27%)	25,30,33	2.35	5 (20%)
23	4SU	2K	8	23	18,21,22	2.00	3 (16%)	25,30,33	3.34	10 (40%)
23	PSU	2L	56	23	18,21,22	1.35	2 (11%)	21,30,33	1.80	2 (9%)
23	OMC	2L	33	23	19,22,23	1.82	3 (15%)	25,31,34	1.33	3 (12%)
23	5MU	2L	55	23	19,22,23	3.95	5 (26%)	27,32,35	3.40	9 (33%)
22	5MU	1K	54	22	19,22,23	4.01	5 (26%)	27,32,35	3.12	8 (29%)
22	PSU	1K	32	22	18,21,22	1.31	2 (11%)	21,30,33	1.49	3 (14%)
23	PSU	2K	56	23	18,21,22	1.09	2 (11%)	21,30,33	1.87	4 (19%)
23	7MG	2K	47	23	23,26,27	3.18	6 (26%)	27,39,42	2.72	10 (37%)
22	PSU	1K	39	22	18,21,22	1.10	2 (11%)	21,30,33	1.68	5 (23%)
23	5MU	2K	55	23	19,22,23	3.96	5 (26%)	27,32,35	3.38	8 (29%)
22	MIA	1K	37	22	28,31,32	2.47	4 (14%)	38,44,47	2.55	11 (28%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
23	7MG	2L	47	23	-	1/7/37/38	0/3/3/3
22	7MG	1K	46	22	-	1/7/37/38	0/3/3/3
23	4SU	2L	8	23	-	2/7/25/26	0/2/2/2
22	PSU	1K	55	22	-	2/7/25/26	0/2/2/2
23	OMC	2K	33	23	-	0/9/27/28	0/2/2/2
22	4SU	1K	8	22	-	0/7/25/26	0/2/2/2
23	4SU	2K	8	23	-	3/7/25/26	0/2/2/2
23	PSU	2L	56	23	-	1/7/25/26	0/2/2/2
23	OMC	2L	33	23	-	2/9/27/28	0/2/2/2
23	5MU	2L	55	23	-	0/7/25/26	0/2/2/2
22	5MU	1K	54	22	-	0/7/25/26	0/2/2/2
22	PSU	1K	32	22	-	0/7/25/26	0/2/2/2
23	PSU	2K	56	23	-	0/7/25/26	0/2/2/2
23	7MG	2K	47	23	-	1/7/37/38	0/3/3/3
22	PSU	1K	39	22	-	1/7/25/26	0/2/2/2
23	5MU	2K	55	23	-	0/7/25/26	0/2/2/2
22	MIA	1K	37	22	-	5/15/33/34	0/3/3/3

All (67) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
23	2L	55	5MU	C2-N1	12.98	1.58	1.38
22	1K	54	5MU	C2-N1	12.93	1.58	1.38
23	2K	55	5MU	C2-N1	12.77	1.58	1.38
22	1K	37	MIA	C13-C14	9.12	1.59	1.32
23	2K	47	7MG	C4-N9	-8.41	1.27	1.37
23	2L	47	7MG	C5-N7	8.10	1.45	1.35
22	1K	46	7MG	C5-N7	8.09	1.45	1.35
23	2K	47	7MG	C5-N7	7.72	1.45	1.35
22	1K	37	MIA	C6-N6	7.59	1.46	1.34
23	2L	47	7MG	C4-N9	-7.18	1.29	1.37
22	1K	46	7MG	C4-N9	-7.07	1.29	1.37
23	2K	8	4SU	C5-C4	6.43	1.50	1.42
23	2L	8	4SU	C5-C4	6.27	1.50	1.42
22	1K	54	5MU	C6-N1	6.17	1.48	1.38
23	2K	55	5MU	C4-N3	-6.15	1.27	1.38
23	2L	55	5MU	C4-N3	-6.14	1.27	1.38
22	1K	54	5MU	C2-N3	6.13	1.48	1.38
23	2L	47	7MG	C4-N3	6.08	1.48	1.34
22	1K	8	4SU	C5-C4	5.99	1.49	1.42
22	1K	46	7MG	C4-N3	5.98	1.47	1.34
23	2K	55	5MU	C6-N1	5.95	1.48	1.38
22	1K	54	5MU	C4-N3	-5.82	1.27	1.38
23	2K	47	7MG	C4-N3	5.82	1.47	1.34
23	2L	55	5MU	C2-N3	5.82	1.48	1.38
23	2K	55	5MU	C2-N3	5.42	1.47	1.38
23	2L	55	5MU	C6-N1	5.40	1.47	1.38
23	2K	55	5MU	C4-C5	5.30	1.53	1.44
23	2L	33	OMC	C2-N3	5.06	1.46	1.36
22	1K	55	PSU	C6-C5	4.98	1.40	1.35
22	1K	54	5MU	C4-C5	4.94	1.52	1.44
23	2L	55	5MU	C4-C5	4.93	1.52	1.44
23	2K	47	7MG	C5-C4	-4.81	1.23	1.37
23	2K	47	7MG	C8-N7	4.72	1.65	1.42
23	2L	47	7MG	C8-N7	4.65	1.64	1.42
23	2L	47	7MG	C5-C4	-4.60	1.23	1.37
23	2L	56	PSU	C6-C5	4.56	1.40	1.35
22	1K	46	7MG	C8-N7	4.55	1.64	1.42
23	2K	33	OMC	C4-N4	4.51	1.44	1.33
23	2K	33	OMC	C2-N3	4.50	1.45	1.36
23	2L	33	OMC	C4-N4	4.33	1.44	1.33
22	1K	46	7MG	C5-C4	-4.23	1.25	1.37
23	2K	8	4SU	C2-N1	4.20	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
22	1K	32	PSU	C6-C5	4.19	1.39	1.35
23	2L	8	4SU	C2-N1	3.87	1.44	1.38
22	1K	8	4SU	C2-N1	3.80	1.44	1.38
23	2K	33	OMC	C5-C4	3.56	1.51	1.42
22	1K	39	PSU	C6-C5	3.32	1.39	1.35
23	2K	56	PSU	C6-C5	3.27	1.38	1.35
23	2L	33	OMC	C5-C4	3.19	1.50	1.42
23	2L	47	7MG	C2-N2	3.17	1.41	1.34
23	2K	47	7MG	C2-N2	3.15	1.41	1.34
22	1K	46	7MG	C2-N2	3.00	1.41	1.34
22	1K	8	4SU	C6-N1	2.82	1.44	1.38
23	2L	8	4SU	C6-N1	2.81	1.44	1.38
22	1K	37	MIA	C5-N7	-2.79	1.34	1.39
23	2L	8	4SU	C4-N3	2.64	1.40	1.37
23	2L	56	PSU	C2-N1	2.59	1.40	1.36
22	1K	39	PSU	C4-C5	-2.40	1.37	1.44
22	1K	8	4SU	C4-N3	2.37	1.40	1.37
22	1K	37	MIA	C15-C14	2.31	1.56	1.50
23	2L	8	4SU	C2-N3	2.21	1.41	1.38
23	2L	47	7MG	C5-C6	2.20	1.49	1.43
23	2K	56	PSU	C4-C5	-2.14	1.38	1.44
22	1K	46	7MG	C5-C6	2.10	1.48	1.43
22	1K	32	PSU	C2-N1	2.10	1.39	1.36
22	1K	8	4SU	C2-N3	2.08	1.41	1.38
23	2K	8	4SU	C2-N3	2.02	1.41	1.38

All (106) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
23	2K	55	5MU	C5-C4-N3	11.30	125.15	115.32
23	2L	55	5MU	C5-C4-N3	10.89	124.79	115.32
23	2K	8	4SU	C4-N3-C2	-10.86	116.91	127.31
22	1K	54	5MU	C5-C4-N3	10.56	124.50	115.32
22	1K	46	7MG	C4-C5-N7	8.50	115.42	105.38
22	1K	37	MIA	C12-C13-C14	-8.42	111.90	127.01
23	2L	47	7MG	C4-C5-N7	7.99	114.82	105.38
23	2L	8	4SU	C4-N3-C2	-7.76	119.87	127.31
23	2K	47	7MG	C4-C5-N7	7.64	114.41	105.38
22	1K	8	4SU	C4-N3-C2	-7.55	120.08	127.31
23	2K	55	5MU	C5-C6-N1	-6.86	115.86	123.31
22	1K	37	MIA	C5-C4-N3	-6.78	120.04	127.18
23	2L	55	5MU	C4-N3-C2	-6.70	118.55	127.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
23	2K	55	5MU	C4-N3-C2	-6.39	118.96	127.34
23	2K	47	7MG	C5-C4-N9	6.30	114.41	106.33
23	2L	55	5MU	C5-C6-N1	-6.29	116.48	123.31
22	1K	46	7MG	C5-C4-N9	6.24	114.33	106.33
23	2K	8	4SU	C5-C4-S4	-6.15	117.28	124.31
23	2L	55	5MU	C6-C5-C4	6.09	123.04	118.02
23	2K	8	4SU	C5-C4-N3	5.99	120.32	114.75
22	1K	54	5MU	C4-N3-C2	-5.70	119.87	127.34
23	2K	8	4SU	N3-C2-N1	5.62	122.21	114.89
23	2L	47	7MG	C5-C4-N9	5.62	113.53	106.33
23	2K	55	5MU	C6-C5-C4	5.55	122.59	118.02
22	1K	8	4SU	C5-C4-N3	5.50	119.86	114.75
22	1K	54	5MU	O4-C4-C5	-5.45	118.68	124.92
23	2L	55	5MU	O4-C4-C5	-5.25	118.91	124.92
23	2K	55	5MU	O4-C4-C5	-5.14	119.03	124.92
22	1K	46	7MG	C6-C5-N7	-5.04	124.12	131.93
23	2K	56	PSU	C4-N3-C2	-5.00	119.49	126.37
23	2L	8	4SU	C5-C4-S4	-4.91	118.70	124.31
23	2L	56	PSU	C4-N3-C2	-4.90	119.61	126.37
23	2L	47	7MG	C5-C6-N1	4.84	119.45	110.94
22	1K	54	5MU	C5-C6-N1	-4.76	118.15	123.31
23	2L	47	7MG	C6-C5-N7	-4.67	124.70	131.93
22	1K	8	4SU	C5-C4-S4	-4.65	119.00	124.31
23	2L	8	4SU	C5-C4-N3	4.62	119.05	114.75
22	1K	54	5MU	C6-C5-C4	4.59	121.81	118.02
22	1K	46	7MG	C5-C6-N1	4.58	119.01	110.94
23	2L	8	4SU	N3-C2-N1	4.47	120.72	114.89
22	1K	39	PSU	C4-N3-C2	-4.41	120.30	126.37
23	2L	47	7MG	C2-N3-C4	4.36	119.81	112.30
23	2K	47	7MG	C5-C6-N1	4.33	118.56	110.94
23	2L	55	5MU	C5M-C5-C6	-4.30	117.04	122.85
23	2K	56	PSU	N1-C2-N3	4.26	119.66	115.17
22	1K	37	MIA	C4-C5-N7	-4.24	105.73	110.58
23	2L	47	7MG	C5-C4-N3	-4.18	120.29	128.13
22	1K	46	7MG	C2-N3-C4	4.17	119.48	112.30
23	2L	56	PSU	N1-C2-N3	4.16	119.55	115.17
22	1K	46	7MG	C5-C4-N3	-4.13	120.38	128.13
22	1K	54	5MU	C5M-C5-C6	-4.03	117.39	122.85
23	2K	55	5MU	C5M-C5-C6	-4.03	117.40	122.85
22	1K	37	MIA	N3-C4-N9	3.92	131.96	126.99
22	1K	8	4SU	N3-C2-N1	3.90	119.97	114.89
22	1K	37	MIA	C5-N7-C8	3.81	109.43	103.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1K	32	PSU	C4-N3-C2	-3.76	121.19	126.37
23	2K	47	7MG	C2-N3-C4	3.71	118.69	112.30
23	2K	8	4SU	C1'-N1-C2	3.69	124.22	117.59
23	2K	47	7MG	C6-C5-N7	-3.69	126.21	131.93
23	2K	47	7MG	N9-C8-N7	-3.62	98.25	103.37
22	1K	55	PSU	C4-N3-C2	-3.61	121.40	126.37
22	1K	37	MIA	C4-C5-C6	3.57	119.75	116.78
22	1K	37	MIA	C15-C14-C13	-3.48	112.21	122.66
23	2L	33	OMC	C1'-N1-C2	3.47	126.11	118.44
22	1K	55	PSU	N1-C2-N3	3.46	118.81	115.17
22	1K	37	MIA	C16-C14-C13	-3.36	112.58	122.66
23	2L	47	7MG	N9-C8-N7	-3.26	98.75	103.37
22	1K	39	PSU	N1-C2-N3	3.25	118.60	115.17
23	2K	8	4SU	O2-C2-N1	-3.16	118.68	122.80
22	1K	54	5MU	C6-N1-C2	-3.14	118.17	121.30
23	2L	47	7MG	O6-C6-C5	-3.14	119.92	127.62
23	2K	47	7MG	O6-C6-C5	-3.13	119.93	127.62
23	2K	8	4SU	C6-C5-C4	2.96	122.52	119.95
23	2L	47	7MG	C2-N1-C6	-2.96	119.75	125.11
22	1K	46	7MG	O6-C6-C5	-2.92	120.45	127.62
22	1K	55	PSU	C6-N1-C2	-2.87	120.03	122.69
23	2L	33	OMC	N4-C4-N3	2.86	123.02	117.91
23	2K	47	7MG	C5-C4-N3	-2.85	122.77	128.13
22	1K	32	PSU	N1-C2-N3	2.83	118.16	115.17
23	2K	56	PSU	O2-C2-N1	-2.76	119.94	122.79
22	1K	55	PSU	O2-C2-N1	-2.76	119.94	122.79
22	1K	46	7MG	C2-N1-C6	-2.75	120.13	125.11
23	2K	8	4SU	C5-C6-N1	-2.62	117.57	121.84
23	2K	33	OMC	O2-C2-N3	-2.58	118.27	122.33
23	2K	8	4SU	C1'-N1-C6	-2.58	115.27	120.78
23	2L	55	5MU	N3-C2-N1	2.55	118.21	114.89
22	1K	39	PSU	O4-C4-C5	-2.53	117.72	124.01
23	2L	8	4SU	C1'-N1-C2	2.52	122.11	117.59
22	1K	37	MIA	C16-C14-C15	-2.51	108.81	114.59
23	2K	47	7MG	N2-C2-N1	2.48	122.00	116.76
23	2K	47	7MG	C2-N1-C6	-2.47	120.63	125.11
22	1K	8	4SU	O2-C2-N1	-2.43	119.63	122.80
22	1K	32	PSU	C6-N1-C2	-2.42	120.45	122.69
23	2L	55	5MU	C6-N1-C2	-2.40	118.91	121.30
23	2L	8	4SU	O2-C2-N1	-2.36	119.72	122.80
23	2K	56	PSU	C6-N1-C2	-2.29	120.56	122.69
23	2K	55	5MU	O4-C4-N3	-2.28	115.82	120.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
22	1K	37	MIA	N9-C8-N7	-2.26	110.73	113.94
23	2L	33	OMC	C1'-N1-C6	-2.17	116.14	120.78
22	1K	39	PSU	C5-C4-N3	2.11	121.20	116.55
23	2K	8	4SU	S4-C4-N3	2.10	122.40	120.20
22	1K	37	MIA	C2-N3-C4	2.09	117.76	112.29
22	1K	39	PSU	O2-C2-N1	-2.03	120.69	122.79
23	2K	55	5MU	N3-C2-N1	2.03	117.53	114.89
23	2L	55	5MU	O4-C4-N3	-2.03	116.30	120.11
22	1K	54	5MU	N3-C2-N1	2.00	117.50	114.89

There are no chirality outliers.

All (19) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
23	2K	8	4SU	O4'-C4'-C5'-O5'
22	1K	37	MIA	N1-C2-S10-C11
22	1K	37	MIA	N3-C2-S10-C11
22	1K	37	MIA	C12-C13-C14-C15
22	1K	37	MIA	C12-C13-C14-C16
23	2K	8	4SU	C3'-C4'-C5'-O5'
23	2L	8	4SU	O4'-C4'-C5'-O5'
22	1K	39	PSU	O4'-C1'-C5-C4
22	1K	55	PSU	O4'-C1'-C5-C4
23	2L	8	4SU	C3'-C4'-C5'-O5'
23	2K	8	4SU	C4'-C5'-O5'-P
23	2K	47	7MG	O4'-C4'-C5'-O5'
23	2L	47	7MG	O4'-C4'-C5'-O5'
22	1K	55	PSU	O4'-C1'-C5-C6
23	2L	56	PSU	O4'-C4'-C5'-O5'
22	1K	37	MIA	C13-C12-N6-C6
22	1K	46	7MG	C3'-C4'-C5'-O5'
23	2L	33	OMC	C2'-C1'-N1-C6
23	2L	33	OMC	C2'-C1'-N1-C2

There are no ring outliers.

No monomer is involved in short contacts.

4.5 Carbohydrates

There are no oligosaccharides in this entry.

4.6 Ligand geometry

Of 1253 ligands modelled in this entry, 1253 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

There are no such residues in this entry.

4.8 Polymer linkage issues

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	13	1498/1522 (98%)	0.89	255 (17%) 4 2	73, 122, 204, 309	0
1	1G	1497/1522 (98%)	1.10	289 (19%) 3 1	92, 145, 218, 318	0
2	12	237/256 (92%)	1.50	60 (25%) 1 1	168, 199, 220, 228	0
2	1E	237/256 (92%)	0.83	33 (13%) 6 4	132, 167, 193, 205	0
3	22	206/239 (86%)	2.57	103 (50%) 0 0	161, 182, 205, 218	0
3	2E	205/239 (85%)	0.80	22 (10%) 11 6	103, 128, 161, 170	0
4	32	208/209 (99%)	1.04	36 (17%) 4 2	122, 144, 165, 174	0
4	3E	208/209 (99%)	0.95	30 (14%) 6 3	102, 129, 151, 165	0
5	42	151/162 (93%)	1.67	41 (27%) 1 1	136, 154, 171, 203	0
5	4E	151/162 (93%)	0.84	23 (15%) 5 3	97, 120, 143, 176	0
6	52	101/101 (100%)	0.31	4 (3%) 42 23	106, 127, 147, 161	0
6	5E	101/101 (100%)	1.00	14 (13%) 6 4	101, 123, 148, 161	0
7	62	155/156 (99%)	1.74	42 (27%) 1 1	136, 154, 182, 207	0
7	6E	155/156 (99%)	1.18	23 (14%) 5 3	124, 139, 168, 193	0
8	72	138/138 (100%)	1.73	32 (23%) 2 1	130, 158, 174, 179	0
8	7E	138/138 (100%)	0.96	23 (16%) 4 2	105, 129, 141, 149	0
9	82	127/128 (99%)	1.79	41 (32%) 1 0	141, 183, 204, 208	0
9	8E	127/128 (99%)	1.39	27 (21%) 2 1	107, 156, 179, 193	0
10	1A	99/105 (94%)	1.82	28 (28%) 1 1	153, 184, 203, 210	0
10	1I	99/105 (94%)	1.84	41 (41%) 0 0	102, 155, 187, 192	0
11	2A	116/129 (89%)	1.82	28 (24%) 2 1	111, 137, 158, 182	0
11	2I	116/129 (89%)	1.23	20 (17%) 4 2	90, 127, 153, 180	0
12	3A	125/132 (94%)	1.47	29 (23%) 2 1	109, 134, 160, 185	0
12	3I	125/132 (94%)	1.04	22 (17%) 4 2	83, 96, 131, 179	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
13	4A	117/126 (92%)	1.29	23 (19%) 3 1	140, 184, 206, 216	0
13	4I	118/126 (93%)	0.92	20 (16%) 4 2	101, 139, 159, 170	0
14	5A	58/61 (95%)	1.37	13 (22%) 2 1	164, 179, 194, 201	0
14	5I	60/61 (98%)	0.62	7 (11%) 9 5	106, 118, 137, 147	0
15	6A	88/89 (98%)	0.37	5 (5%) 29 15	118, 139, 155, 159	0
15	6I	88/89 (98%)	0.53	9 (10%) 12 6	98, 125, 142, 154	0
16	7A	84/88 (95%)	0.93	11 (13%) 7 4	113, 132, 150, 174	0
16	7I	84/88 (95%)	1.49	23 (27%) 1 1	122, 135, 169, 187	0
17	8A	100/105 (95%)	0.88	14 (14%) 6 3	118, 138, 153, 176	0
17	8I	100/105 (95%)	1.31	21 (21%) 2 1	108, 127, 140, 145	0
18	9A	72/88 (81%)	0.75	9 (12%) 8 4	116, 142, 178, 198	0
18	9I	72/88 (81%)	0.83	11 (15%) 5 3	109, 127, 162, 187	0
19	AA	78/93 (83%)	1.08	16 (20%) 2 1	172, 203, 216, 222	0
19	AI	81/93 (87%)	0.99	11 (13%) 7 4	109, 135, 160, 166	0
20	BA	99/106 (93%)	1.86	42 (42%) 0 0	108, 130, 158, 173	0
20	BI	99/106 (93%)	1.89	43 (43%) 0 0	129, 144, 177, 183	0
21	1B	25/27 (92%)	1.03	2 (8%) 18 9	147, 163, 179, 196	0
21	1F	25/27 (92%)	1.27	5 (20%) 3 1	114, 126, 139, 164	0
22	1K	69/76 (90%)	2.66	25 (36%) 1 0	101, 222, 265, 271	0
23	2K	72/77 (93%)	1.26	15 (20%) 2 1	84, 108, 137, 146	0
23	2L	72/77 (93%)	1.13	10 (13%) 6 4	96, 136, 166, 170	0
24	1L	76/76 (100%)	2.81	32 (42%) 0 0	147, 264, 289, 295	0
24	3K	76/76 (100%)	2.20	27 (35%) 1 0	92, 255, 286, 289	0
24	3L	76/76 (100%)	2.28	33 (43%) 0 0	104, 264, 294, 299	0
25	4K	13/27 (48%)	0.20	0 100 100	88, 101, 151, 157	0
25	4L	9/27 (33%)	0.66	0 100 100	121, 154, 165, 175	0
26	14	2909/2917 (99%)	0.65	383 (13%) 7 4	67, 105, 270, 378	0
26	1H	2912/2917 (99%)	0.50	339 (11%) 9 5	56, 91, 253, 353	0
27	16	122/122 (100%)	0.22	3 (2%) 58 35	83, 111, 133, 217	0
27	1J	122/122 (100%)	1.14	21 (17%) 4 2	106, 152, 174, 226	0
28	11	272/276 (98%)	0.49	24 (8%) 15 8	57, 82, 100, 110	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
28	19	273/276 (98%)	0.59	29 (10%) 11 6	67, 94, 110, 125	0
29	21	205/206 (99%)	0.81	24 (11%) 9 5	66, 109, 151, 165	0
29	29	205/206 (99%)	1.34	50 (24%) 2 1	76, 113, 158, 183	0
30	31	202/210 (96%)	0.63	22 (10%) 10 5	60, 94, 130, 150	0
30	39	208/210 (99%)	1.17	46 (22%) 2 1	76, 123, 179, 199	0
31	41	181/182 (99%)	1.24	43 (23%) 2 1	100, 121, 159, 172	0
31	49	181/182 (99%)	1.05	29 (16%) 5 2	148, 169, 198, 209	0
32	51	174/180 (96%)	1.22	35 (20%) 3 1	99, 122, 139, 150	0
32	59	169/180 (93%)	2.62	84 (49%) 0 0	169, 218, 243, 258	0
33	61	146/148 (98%)	1.39	37 (25%) 1 1	98, 154, 170, 175	0
33	69	146/148 (98%)	2.32	57 (39%) 1 0	102, 146, 170, 175	0
34	15	138/140 (98%)	1.93	37 (26%) 1 1	98, 129, 161, 185	0
34	58	138/140 (98%)	1.14	27 (19%) 3 1	81, 109, 148, 163	0
35	25	122/122 (100%)	0.58	8 (6%) 24 12	85, 107, 125, 135	0
35	68	122/122 (100%)	0.51	14 (11%) 9 5	75, 92, 111, 124	0
36	35	150/150 (100%)	0.96	25 (16%) 4 2	77, 128, 162, 198	0
36	78	150/150 (100%)	0.74	17 (11%) 10 5	64, 98, 124, 176	0
37	45	141/141 (100%)	1.12	29 (20%) 2 1	97, 129, 154, 167	0
37	88	138/141 (97%)	0.51	13 (9%) 14 7	70, 95, 115, 147	0
38	55	117/118 (99%)	0.76	20 (17%) 4 2	77, 97, 113, 133	0
38	98	118/118 (100%)	1.09	23 (19%) 3 1	79, 102, 125, 139	0
39	65	111/112 (99%)	1.46	32 (28%) 1 1	118, 145, 162, 172	0
39	A8	111/112 (99%)	0.54	8 (7%) 21 11	92, 107, 130, 144	0
40	75	137/146 (93%)	1.06	24 (17%) 4 2	96, 115, 173, 208	0
40	B8	137/146 (93%)	1.54	37 (27%) 1 1	86, 111, 170, 202	0
41	85	117/118 (99%)	1.46	29 (24%) 2 1	86, 115, 155, 180	0
41	C8	117/118 (99%)	0.93	17 (14%) 6 3	71, 98, 136, 147	0
42	95	101/101 (100%)	2.16	36 (35%) 1 0	86, 143, 161, 177	0
42	D8	101/101 (100%)	1.85	22 (21%) 2 1	73, 123, 149, 162	0
43	A5	113/113 (100%)	1.17	21 (18%) 3 2	77, 94, 124, 183	0
43	E8	113/113 (100%)	0.50	5 (4%) 39 20	75, 91, 125, 164	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
44	B5	92/96 (95%)	0.86	15 (16%) 4 2	85, 102, 129, 133	0
44	F8	94/96 (97%)	0.46	10 (10%) 11 6	69, 88, 113, 128	0
45	C5	104/110 (94%)	1.48	24 (23%) 2 1	107, 137, 167, 175	0
45	G8	104/110 (94%)	0.94	18 (17%) 4 2	87, 113, 147, 166	0
46	D5	179/206 (86%)	1.32	40 (22%) 2 1	139, 176, 263, 269	0
46	H8	175/206 (84%)	0.88	22 (12%) 8 4	97, 139, 228, 236	0
47	E5	76/85 (89%)	1.16	15 (19%) 3 1	85, 111, 130, 169	0
47	I8	80/85 (94%)	1.50	19 (23%) 2 1	71, 90, 122, 131	0
48	F5	97/98 (98%)	0.85	18 (18%) 3 2	79, 102, 146, 163	0
48	J8	97/98 (98%)	0.73	16 (16%) 4 2	69, 91, 145, 176	0
49	G5	66/72 (91%)	0.90	11 (16%) 4 2	101, 121, 141, 167	0
49	K8	67/72 (93%)	0.74	8 (11%) 9 5	76, 96, 119, 154	0
50	H5	59/60 (98%)	1.33	12 (20%) 3 1	97, 126, 167, 182	0
50	L8	57/60 (95%)	0.37	3 (5%) 32 16	77, 98, 120, 133	0
51	I5	63/71 (88%)	0.70	2 (3%) 50 28	179, 219, 236, 243	0
51	M8	66/71 (92%)	1.33	15 (22%) 2 1	128, 174, 203, 214	0
52	J5	56/60 (93%)	1.47	18 (32%) 1 0	77, 103, 150, 162	0
52	N8	58/60 (96%)	1.22	12 (20%) 2 1	68, 115, 186, 191	0
53	K5	45/54 (83%)	2.05	22 (48%) 0 0	153, 180, 196, 202	0
53	O8	45/54 (83%)	1.24	8 (17%) 4 2	131, 159, 177, 183	0
54	L5	46/49 (93%)	0.27	3 (6%) 25 12	64, 76, 89, 102	0
54	P8	45/49 (91%)	0.43	4 (8%) 15 8	59, 64, 78, 92	0
55	M5	60/65 (92%)	0.89	7 (11%) 9 5	89, 101, 125, 147	0
55	Q8	61/65 (93%)	1.08	9 (14%) 5 3	74, 91, 117, 128	0
All	All	21042/21688 (97%)	0.99	3694 (17%) 4 2	56, 122, 214, 378	0

All (3694) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
22	1K	73	A	25.1
11	2A	125	PHE	15.6
24	1L	76	A	15.1
42	95	93	GLU	15.0
34	15	84	LYS	14.8

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Mol	Chain	Res	Type	RSRZ
40	75	104	ASN	14.8
24	3L	17	C	14.7
3	22	158	GLY	14.7
11	2A	126	ARG	14.4
7	62	82	GLY	14.2
9	82	115	GLY	13.7
24	1L	32	U	13.6
32	59	96	ALA	13.5
8	72	1	MET	13.5
50	H5	17	LYS	13.0
33	69	6	LEU	12.9
22	1K	76	A	12.9
7	62	81	GLY	12.7
31	49	74	LYS	12.5
1	1G	966	G	12.3
27	1J	88	C	12.3
24	3L	34	G	12.3
1	1G	965	A	12.3
3	22	160	ALA	12.1
5	42	126	ARG	12.0
33	69	35	LEU	11.9
32	59	93	GLY	11.8
26	1H	2116	G	11.8
33	69	36	ALA	11.8
32	59	94	TYR	11.8
8	72	2	LEU	11.7
10	1A	58	ASP	11.6
31	41	26	GLN	11.5
11	2A	120	ARG	11.4
33	69	34	GLY	11.4
11	2I	123	LYS	11.3
11	2A	121	PRO	11.3
10	1I	5	ARG	11.3
40	B8	104	ASN	11.2
24	1L	31	A	11.1
26	1H	2117	A	11.1
23	2K	1	C	11.1
5	42	124	GLY	11.0
19	AI	13	ASP	11.0
42	D8	81	TYR	10.9
34	15	85	ILE	10.9
22	1K	31	A	10.7

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Mol	Chain	Res	Type	RSRZ
24	1L	33	U	10.6
26	1H	1404	C	10.5
2	12	29	ALA	10.4
32	59	106	THR	10.3
26	14	1537	C	10.3
11	2A	123	LYS	10.2
24	1L	75	C	10.2
33	69	1	MET	10.1
1	13	1325	C	10.1
11	2I	124	LYS	10.1
32	59	131	VAL	10.1
42	D8	75	PHE	10.1
1	1G	825	G	10.1
38	98	69	ASP	10.1
1	13	311	C	10.0
24	3K	17	C	10.0
33	61	118	LYS	10.0
26	1H	1383	C	10.0
32	59	89	ILE	9.9
26	14	859	G	9.9
22	1K	33	U	9.9
42	D8	73	SER	9.9
12	3A	13	LYS	9.9
26	14	2173	A	9.8
7	62	32	ARG	9.8
1	1G	824	C	9.8
28	19	5	LYS	9.8
11	2A	124	LYS	9.7
13	4A	6	GLY	9.6
3	22	167	TRP	9.6
34	58	72	TYR	9.6
22	1K	75	C	9.6
26	14	1026	U	9.6
42	D8	74	LYS	9.6
34	15	74	ARG	9.5
42	95	83	ARG	9.5
32	59	129	THR	9.5
2	12	163	PHE	9.4
8	72	86	ILE	9.4
29	21	78	LEU	9.3
11	2I	125	PHE	9.3
34	15	72	TYR	9.3

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Mol	Chain	Res	Type	RSRZ
40	B8	1	MET	9.3
44	F8	52	VAL	9.3
26	1H	2190	G	9.3
32	59	155	SER	9.2
24	3K	20	U	9.2
2	12	33	TYR	9.2
32	59	95	ARG	9.2
42	95	75	PHE	9.1
42	D8	77	ALA	9.1
11	2A	122	LYS	9.0
26	1H	2113	U	9.0
42	95	74	LYS	9.0
41	85	20	LEU	9.0
42	D8	80	GLN	9.0
34	15	83	LYS	9.0
1	1G	969	A	9.0
39	65	5	THR	8.9
42	D8	82	ARG	8.9
1	1G	953	G	8.8
3	22	30	ARG	8.8
24	3L	16	U	8.8
52	N8	26	THR	8.7
33	69	37	VAL	8.7
42	D8	84	LYS	8.6
7	62	13	GLN	8.6
26	14	352	G	8.6
42	95	73	SER	8.6
26	14	967	C	8.6
9	82	123	PRO	8.5
1	13	1342	C	8.5
26	1H	1403	C	8.5
3	22	10	PHE	8.5
1	13	111	G	8.4
8	72	88	LYS	8.4
20	BI	72	LEU	8.4
1	13	112	G	8.4
3	22	157	ILE	8.4
30	39	93	LYS	8.4
54	P8	36	GLN	8.4
3	22	9	GLY	8.4
24	1L	40	C	8.3
34	15	75	TYR	8.3

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Mol	Chain	Res	Type	RSRZ
5	42	123	LEU	8.3
34	15	86	PRO	8.3
31	49	75	LYS	8.3
13	4A	102	ARG	8.2
11	2A	117	ASN	8.2
24	3K	65	G	8.2
24	1L	34	G	8.2
33	69	7	GLU	8.2
32	51	172	LYS	8.2
2	12	133	LYS	8.2
42	D8	78	LYS	8.2
24	1L	1	G	8.2
26	1H	1405	U	8.2
11	2A	119	CYS	8.2
21	1F	16	GLY	8.1
17	8I	37	LYS	8.1
22	1K	34	G	8.1
26	14	2271	G	8.1
43	A5	85	VAL	8.1
29	29	76	ARG	8.1
42	D8	79	VAL	8.1
45	C5	24	VAL	8.1
42	D8	71	LEU	8.1
41	85	43	GLY	8.0
26	1H	2189	U	8.0
40	B8	94	ALA	8.0
7	6E	32	ARG	8.0
38	55	8	ARG	8.0
10	1A	59	SER	8.0
47	I8	43	THR	7.9
23	2L	35	C	7.9
42	95	81	TYR	7.9
13	4A	7	VAL	7.9
34	58	84	LYS	7.9
26	14	1538	G	7.9
38	98	18	LEU	7.9
45	C5	22	GLY	7.9
11	2I	11	LYS	7.9
11	2I	126	ARG	7.9
47	I8	42	GLY	7.9
1	13	1531	A	7.9
46	D5	125	LEU	7.8

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Mol	Chain	Res	Type	RSRZ
9	8E	126	SER	7.8
29	21	76	ARG	7.8
30	39	96	ASP	7.8
31	41	25	TYR	7.8
26	14	2146	C	7.8
3	22	13	GLY	7.8
34	15	80	GLY	7.8
1	1G	262	A	7.8
2	12	70	PHE	7.7
26	1H	1384	A	7.6
34	15	76	SER	7.6
8	72	6	ILE	7.6
5	42	88	LYS	7.6
8	72	92	ARG	7.6
11	2I	122	LYS	7.6
7	62	33	ASP	7.6
42	95	77	ALA	7.5
33	69	21	VAL	7.5
26	14	2270	G	7.5
42	D8	76	LYS	7.5
36	78	68	GLN	7.5
5	42	15	ARG	7.5
33	69	11	ASN	7.5
10	1I	98	ILE	7.4
36	35	110	TYR	7.4
26	1H	2712	U	7.4
26	1H	2174	C	7.4
26	14	2174	C	7.4
26	1H	529	A	7.4
20	BA	80	ARG	7.4
3	22	206	GLU	7.4
8	72	89	PRO	7.4
1	1G	1235	U	7.4
2	12	26	PRO	7.4
7	6E	81	GLY	7.3
29	21	75	VAL	7.3
40	B8	106	SER	7.3
1	1G	1117	G	7.3
26	1H	2709	G	7.3
3	22	6	HIS	7.2
1	13	308	C	7.2
7	62	37	ASN	7.2

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Mol	Chain	Res	Type	RSRZ
20	BA	75	ASN	7.2
1	1G	1236	A	7.2
29	29	155	LYS	7.2
24	1L	73	A	7.2
11	2I	25	TYR	7.1
33	69	20	ASP	7.1
7	62	36	LYS	7.1
8	72	4	ASP	7.1
3	22	178	LEU	7.1
29	21	52	LEU	7.1
12	3A	5	PRO	7.1
50	H5	18	ASP	7.0
1	1G	377	G	7.0
1	1G	968	A	7.0
30	39	56	GLU	7.0
24	3K	36	A	7.0
8	7E	91	ARG	7.0
16	7I	29	ASP	7.0
40	75	101	PHE	7.0
45	C5	23	ARG	7.0
32	59	107	VAL	7.0
12	3A	16	GLU	6.9
17	8I	35	VAL	6.9
38	55	43	GLU	6.9
51	M8	34	GLU	6.9
33	61	117	GLU	6.9
46	D5	121	HIS	6.9
12	3A	14	GLY	6.9
26	14	2272	U	6.9
8	72	90	GLY	6.8
1	13	310	G	6.8
1	1G	823	G	6.8
6	5E	95	GLU	6.8
47	I8	44	ARG	6.8
47	E5	21	LEU	6.8
31	41	28	VAL	6.8
3	2E	27	LYS	6.8
34	15	73	THR	6.8
2	1E	228	GLY	6.8
40	75	6	LEU	6.8
1	1G	1028(B)	C	6.8
32	59	38	SER	6.8

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Mol	Chain	Res	Type	RSRZ
50	H5	20	LYS	6.8
5	42	122	GLU	6.7
34	58	71	ILE	6.7
13	4I	100	GLY	6.7
34	15	81	GLY	6.7
26	14	867	C	6.7
27	1J	41	U	6.7
7	62	41	ARG	6.7
26	14	394	A	6.7
33	61	22	LYS	6.7
1	1G	1400	C	6.7
26	1H	2161	C	6.7
41	85	40	PHE	6.7
32	59	105	LEU	6.7
18	9A	61	LYS	6.7
3	2E	26	LYS	6.6
18	9A	62	GLU	6.6
1	1G	883	C	6.6
5	42	125	SER	6.6
32	59	99	VAL	6.6
29	21	195	LEU	6.6
8	72	133	LEU	6.6
54	L5	1	MET	6.6
32	59	104	GLU	6.6
1	1G	876	G	6.6
9	82	75	ASP	6.6
38	55	7	GLY	6.6
11	2A	11	LYS	6.5
47	I8	40	GLN	6.5
1	13	309	G	6.5
26	1H	2690	C	6.5
26	14	2161	C	6.5
1	13	965	A	6.5
9	82	125	TYR	6.5
33	69	16	GLY	6.5
41	C8	118	GLY	6.5
6	5E	92	LYS	6.5
26	14	2145	C	6.5
39	65	57	LYS	6.5
26	1H	2191	G	6.5
33	69	4	ILE	6.5
32	59	103	LEU	6.4

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Mol	Chain	Res	Type	RSRZ
8	72	93	VAL	6.4
26	1H	2527	C	6.4
9	82	106	ALA	6.4
26	14	2119	A	6.4
15	6I	62	GLN	6.4
26	14	2690	C	6.4
47	I8	9	SER	6.4
7	62	16	LEU	6.4
22	1K	3	C	6.3
26	1H	756	C	6.3
24	3K	15	G	6.3
33	69	22	LYS	6.3
17	8I	36	ILE	6.3
42	95	70	ILE	6.3
1	13	1385	G	6.3
26	14	2269	A	6.3
34	15	90	MET	6.3
1	13	307	C	6.3
20	BA	74	LYS	6.3
26	14	2147	G	6.3
8	7E	88	LYS	6.3
13	4I	6	GLY	6.3
26	1H	2330	G	6.2
2	12	32	ILE	6.2
1	1G	569	C	6.2
26	14	2319	G	6.2
44	B5	86	GLY	6.2
29	29	150	VAL	6.2
32	59	169	VAL	6.2
42	95	80	GLN	6.2
8	7E	89	PRO	6.2
38	98	68	ARG	6.2
55	M5	40	GLU	6.2
40	B8	101	PHE	6.2
33	69	12	LEU	6.2
32	59	130	ARG	6.2
3	22	15	THR	6.2
34	58	73	THR	6.2
1	1G	568	G	6.2
7	6E	4	ARG	6.1
5	4E	128	PRO	6.1
1	1G	1529	G	6.1

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Mol	Chain	Res	Type	RSRZ
38	98	14	SER	6.1
38	98	15	SER	6.1
42	D8	70	ILE	6.1
8	72	5	PRO	6.1
24	1L	30	G	6.1
1	1G	882	C	6.1
1	13	1286	A	6.1
31	49	34	LEU	6.1
12	3I	16	GLU	6.1
21	1B	2	GLY	6.1
26	14	2118	U	6.1
35	68	31	LYS	6.1
1	1G	1115	C	6.1
26	1H	2477	C	6.1
42	95	71	LEU	6.1
23	2L	36	A	6.0
13	4A	4	ILE	6.0
26	1H	2647	U	6.0
4	3E	139	ARG	6.0
8	7E	92	ARG	6.0
26	14	961	C	6.0
39	65	33	LYS	6.0
1	13	607	A	6.0
26	1H	2476	A	6.0
32	51	170	ARG	6.0
8	72	9	MET	6.0
26	14	958	U	6.0
45	C5	29	GLU	6.0
8	72	3	THR	6.0
1	1G	822	C	6.0
7	62	86	GLN	6.0
7	6E	33	ASP	6.0
9	82	116	LYS	6.0
31	41	27	ASN	6.0
29	29	151	TYR	6.0
20	BI	80	ARG	6.0
40	B8	99	LEU	6.0
44	B5	52	VAL	6.0
26	1H	2694	G	6.0
32	59	100	GLY	6.0
46	D5	166	SER	6.0
33	69	15	VAL	5.9

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Mol	Chain	Res	Type	RSRZ
31	49	35	GLU	5.9
13	4I	102	ARG	5.9
43	A5	83	LYS	5.9
30	39	92	PRO	5.9
32	51	171	LEU	5.9
26	1H	1761	C	5.9
55	Q8	34	TRP	5.9
26	1H	2062	A	5.9
26	1H	2712(A)	A	5.9
24	3K	19	G	5.9
32	59	92	ILE	5.9
33	69	8	PRO	5.9
26	14	858	U	5.9
31	49	155	MET	5.9
32	51	114	VAL	5.9
41	85	44	ASN	5.9
11	2I	12	ARG	5.9
31	41	35	GLU	5.9
1	13	230	G	5.8
1	1G	1511	G	5.8
34	15	71	ILE	5.8
29	29	116	VAL	5.8
33	69	33	ARG	5.8
24	1L	74	C	5.8
26	1H	1406	U	5.8
3	2E	23	TYR	5.8
26	1H	1382	G	5.8
1	1G	967	C	5.8
1	1G	1116	C	5.8
3	22	116	VAL	5.8
37	45	1	MET	5.8
51	M8	58	ARG	5.8
3	22	137	ALA	5.8
7	6E	5	ARG	5.8
26	14	2297	C	5.8
42	95	76	LYS	5.8
1	1G	815	A	5.8
42	95	63	GLY	5.8
49	G5	52	ASP	5.7
32	59	90	LYS	5.7
5	4E	123	LEU	5.7
29	29	77	ILE	5.7

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Mol	Chain	Res	Type	RSRZ
1	13	390	C	5.7
6	5E	94	GLN	5.7
20	BI	18	GLN	5.7
10	1A	64	GLU	5.7
29	21	193	GLY	5.7
1	1G	1001	G	5.7
1	1G	132	C	5.7
26	1H	2119	A	5.7
26	14	866	A	5.7
46	H8	166	SER	5.7
3	2E	179	ARG	5.7
3	22	164	ARG	5.7
31	49	85	GLY	5.7
20	BA	72	LEU	5.7
1	13	1343	G	5.7
1	13	1529	G	5.7
1	1G	1286	A	5.7
42	95	91	TYR	5.7
10	1I	4	ILE	5.7
41	85	19	LYS	5.6
44	B5	85	PRO	5.6
47	I8	46	LYS	5.6
26	14	1539	G	5.6
26	14	1536	A	5.6
14	5A	6	LEU	5.6
5	42	83	GLU	5.6
38	55	9	LYS	5.6
22	1K	38	A	5.6
26	14	2318	G	5.6
17	8I	24	GLU	5.6
7	62	80	VAL	5.6
39	65	20	ARG	5.6
22	1K	72	C	5.6
4	32	112	VAL	5.6
33	69	3	VAL	5.6
10	1A	47	PHE	5.6
5	4E	122	GLU	5.6
31	41	34	LEU	5.6
1	13	110	C	5.6
19	AA	79	THR	5.6
51	M8	66	SER	5.6
17	8I	26	GLN	5.5

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Mol	Chain	Res	Type	RSRZ
33	69	18	VAL	5.5
47	I8	41	ARG	5.5
9	8E	125	TYR	5.5
26	1H	2188	C	5.5
1	1G	994	A	5.5
26	1H	1032	A	5.5
26	14	561	G	5.5
26	14	968	G	5.5
26	14	1816	G	5.5
38	98	47	PHE	5.5
53	K5	22	ALA	5.5
1	13	395	C	5.5
1	13	1230	C	5.5
12	3I	19	ARG	5.5
34	15	97	ARG	5.5
9	8E	8	GLY	5.5
10	1A	62	HIS	5.5
26	1H	2693	A	5.5
26	14	2298	A	5.5
4	3E	9	CYS	5.5
2	12	27	LYS	5.5
28	11	35	LYS	5.5
1	1G	230	G	5.5
3	22	8	ILE	5.5
40	75	112	ARG	5.4
1	1G	826	C	5.4
26	14	857	C	5.4
21	1F	15	ARG	5.4
52	N8	25	LEU	5.4
26	14	530	G	5.4
11	2A	118	GLY	5.4
47	E5	22	GLY	5.4
22	1K	74	C	5.4
26	14	1735	C	5.4
5	42	14	ARG	5.4
7	6E	79	ARG	5.4
42	D8	83	ARG	5.4
34	15	78	TYR	5.4
45	G8	94	LYS	5.4
34	15	82	LEU	5.4
36	35	74	GLU	5.4
1	1G	821	G	5.4

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Mol	Chain	Res	Type	RSRZ
26	14	952	G	5.4
18	9I	68	LYS	5.4
1	1G	574	A	5.4
7	6E	83	ALA	5.4
49	K8	69	ARG	5.4
33	69	38	LEU	5.4
46	D5	165	VAL	5.4
52	J5	26	THR	5.4
1	13	744	C	5.4
3	22	155	GLY	5.4
20	BI	79	ARG	5.4
27	1J	60	C	5.4
31	49	36	LYS	5.4
55	Q8	27	THR	5.3
12	3I	17	LYS	5.3
28	19	35	LYS	5.3
13	4A	66	LEU	5.3
1	1G	1251	A	5.3
26	14	964	C	5.3
20	BI	11	SER	5.3
12	3A	28	LYS	5.3
34	58	74	ARG	5.3
1	13	656	C	5.3
1	1G	570	G	5.3
7	62	83	ALA	5.3
24	3K	34	G	5.3
26	1H	2732	G	5.3
26	14	2111	C	5.3
1	1G	884	U	5.3
12	3I	91	LYS	5.3
41	85	16	LYS	5.3
43	A5	94	ASP	5.3
26	1H	2331	G	5.3
26	14	2110	G	5.3
4	32	80	GLU	5.3
5	42	24	ARG	5.3
33	69	9	LEU	5.2
29	29	152	LYS	5.2
1	13	1324	A	5.2
1	13	1341	U	5.2
1	1G	312	C	5.2
39	65	2	ALA	5.2

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Mol	Chain	Res	Type	RSRZ
1	1G	28	G	5.2
16	7A	26	ARG	5.2
2	12	71	VAL	5.2
16	7I	31	LYS	5.2
29	29	75	VAL	5.2
30	39	27	GLU	5.2
1	13	743	U	5.2
38	98	21	TYR	5.2
26	1H	435	C	5.2
8	7E	4	ASP	5.2
19	AI	12	ASP	5.2
30	31	96	ASP	5.2
34	15	77	GLY	5.2
12	3A	48	PRO	5.2
3	22	18	TRP	5.2
13	4I	8	GLU	5.2
9	8E	106	ALA	5.2
7	62	85	TYR	5.2
8	72	84	ARG	5.2
26	14	2150	U	5.2
1	1G	1234	C	5.2
26	14	1095	A	5.2
26	14	2295	C	5.2
7	62	77	SER	5.2
33	69	29	TYR	5.2
9	8E	117	HIS	5.2
24	1L	39	U	5.2
30	39	50	SER	5.2
53	K5	13	CYS	5.2
1	1G	311	C	5.1
24	1L	17	C	5.1
26	14	393	C	5.1
43	A5	82	LEU	5.1
8	72	91	ARG	5.1
10	1A	66	ARG	5.1
11	2A	114	VAL	5.1
33	69	144	VAL	5.1
32	59	128	PRO	5.1
1	13	933	G	5.1
1	1G	576	G	5.1
24	3L	6	G	5.1
24	3L	18	G	5.1

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Mol	Chain	Res	Type	RSRZ
9	8E	124	GLN	5.1
9	82	127	LYS	5.1
20	BA	83	ARG	5.1
32	51	153	LYS	5.1
33	69	25	TYR	5.1
24	3K	37	A	5.1
26	1H	21	A	5.1
19	AA	76	PRO	5.1
11	2I	120	ARG	5.1
1	13	104	G	5.1
17	8A	32	TYR	5.1
31	49	160	VAL	5.1
1	13	815	A	5.1
29	29	149	ARG	5.1
4	3E	137	SER	5.1
43	A5	81	ALA	5.1
46	D5	164	ALA	5.1
26	1H	1218	C	5.1
4	3E	31	CYS	5.1
29	29	195	LEU	5.1
7	62	40	ALA	5.0
50	H5	21	ALA	5.0
24	3L	54	U	5.0
1	1G	111	G	5.0
40	75	106	SER	5.0
22	1K	40	C	5.0
26	1H	2635	C	5.0
41	85	17	ILE	5.0
10	1A	48	THR	5.0
32	59	40	GLU	5.0
2	12	165	VAL	5.0
38	98	17	ARG	5.0
1	13	657	G	5.0
26	14	1620	G	5.0
26	14	2149	G	5.0
29	29	51	PHE	5.0
41	C8	40	PHE	5.0
26	1H	2386	C	5.0
27	1J	59	A	5.0
32	59	132	ARG	5.0
1	1G	1032(B)	G	5.0
52	J5	11	THR	5.0

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Mol	Chain	Res	Type	RSRZ
1	1G	877	C	5.0
23	2K	77	A	5.0
35	25	74	GLY	5.0
33	69	5	LEU	5.0
32	51	156	ALA	5.0
12	3I	20	LYS	5.0
15	6I	65	ARG	5.0
42	95	68	LYS	5.0
3	22	141	VAL	5.0
3	22	177	THR	5.0
3	22	14	ILE	4.9
1	13	312	C	4.9
1	13	1362(A)	C	4.9
1	1G	1509	C	4.9
33	69	2	LYS	4.9
3	22	12	LEU	4.9
26	1H	2118	U	4.9
16	7I	30	GLY	4.9
16	7I	27	LYS	4.9
18	9A	59	SER	4.9
26	1H	2708	G	4.9
3	2E	24	ALA	4.9
20	BI	76	ALA	4.9
46	D5	172	ALA	4.9
32	59	87	LEU	4.9
1	13	754	C	4.9
1	1G	655	A	4.9
26	14	574	C	4.9
30	39	52	LYS	4.9
1	13	823	G	4.9
43	A5	84	ARG	4.9
24	3K	16	U	4.9
26	14	387	U	4.9
43	E8	23	LEU	4.9
29	29	114	ALA	4.9
1	1G	134	A	4.9
1	1G	728	A	4.9
8	7E	93	VAL	4.9
2	12	196	LEU	4.9
10	1I	73	ASP	4.9
36	78	29	LYS	4.8
26	1H	2173	A	4.8

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Mol	Chain	Res	Type	RSRZ
7	62	4	ARG	4.8
32	59	148	ILE	4.8
38	98	22	ARG	4.8
1	1G	133	U	4.8
26	14	2296	U	4.8
20	BA	76	ALA	4.8
52	N8	24	ALA	4.8
2	12	25	ASN	4.8
26	14	966	G	4.8
26	14	1093	G	4.8
28	11	262	ARG	4.8
40	B8	115	ARG	4.8
1	13	755	G	4.8
38	98	7	GLY	4.8
29	29	52	LEU	4.8
1	13	389	A	4.8
26	1H	2804	C	4.8
26	14	1404	C	4.8
33	61	27	ARG	4.8
3	2E	161	GLU	4.8
39	65	55	ALA	4.8
1	1G	1373	G	4.8
24	3L	19	G	4.8
29	29	145	LYS	4.8
5	4E	126	ARG	4.8
18	9I	32	ARG	4.8
1	13	1354	C	4.7
26	1H	914	C	4.7
26	1H	1574	C	4.7
14	5A	50	LYS	4.7
4	3E	76	ARG	4.7
7	62	79	ARG	4.7
35	25	1	MET	4.7
1	13	42	G	4.7
9	8E	115	GLY	4.7
3	22	169	ALA	4.7
10	1I	60	ARG	4.7
32	59	133	VAL	4.7
1	1G	110	C	4.7
1	1G	1250	A	4.7
26	1H	1402	C	4.7
26	14	1305	C	4.7

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Mol	Chain	Res	Type	RSRZ
31	41	24	GLY	4.7
41	C8	37	GLU	4.7
26	1H	1385	G	4.7
37	45	103	MET	4.7
2	12	41	ILE	4.7
1	13	1394	A	4.7
1	13	1437	C	4.7
1	1G	964	A	4.7
26	14	1407	C	4.7
27	1J	25	A	4.7
9	8E	127	LYS	4.7
47	E5	71	ASP	4.7
1	13	852	G	4.7
1	1G	27	G	4.7
3	22	199	LYS	4.7
14	5I	28	GLY	4.7
52	J5	10	LYS	4.7
30	31	97	TYR	4.7
37	45	65	PHE	4.7
5	42	105	VAL	4.7
26	1H	181	A	4.7
1	1G	328	C	4.7
26	1H	1592	C	4.7
26	1H	2828	C	4.7
26	14	1179	C	4.7
3	22	7	PRO	4.6
9	8E	123	PRO	4.6
31	41	20	ILE	4.6
11	2A	87	THR	4.6
35	68	26	LYS	4.6
49	K8	15	LYS	4.6
19	AI	14	HIS	4.6
40	B8	114	LEU	4.6
13	4A	2	ALA	4.6
1	1G	1510	U	4.6
26	14	2716	U	4.6
26	14	1591	G	4.6
26	14	1661	G	4.6
30	39	94	PRO	4.6
1	1G	60	A	4.6
1	13	43	C	4.6
40	B8	51	ARG	4.6

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Mol	Chain	Res	Type	RSRZ
32	59	88	LEU	4.6
31	41	160	VAL	4.6
38	98	43	GLU	4.6
13	4A	101	GLN	4.6
26	14	1084	A	4.6
30	39	55	GLY	4.6
26	1H	1407	C	4.6
26	14	2136	C	4.6
26	14	2138	C	4.6
31	41	12	TYR	4.6
49	K8	4	SER	4.6
12	3A	19	ARG	4.6
31	41	33	ARG	4.6
20	BA	20	LEU	4.6
26	1H	2522	U	4.6
30	39	51	THR	4.6
3	22	184	TYR	4.6
11	2A	25	TYR	4.6
7	6E	35	LYS	4.6
1	13	1386	G	4.6
1	1G	818	G	4.6
26	1H	615	G	4.6
26	1H	1888	G	4.6
5	4E	21	ALA	4.6
29	21	79	ARG	4.5
33	61	20	ASP	4.5
9	82	126	SER	4.5
26	1H	2676	C	4.5
1	13	391	G	4.5
1	1G	1002	G	4.5
26	1H	2707	G	4.5
29	29	117	MET	4.5
38	55	5	LYS	4.5
31	41	96	ARG	4.5
23	2L	37	U	4.5
26	14	562	U	4.5
33	69	10	GLU	4.5
20	BA	49	ALA	4.5
26	1H	2320	A	4.5
26	14	2361	A	4.5
1	1G	995	C	4.5
26	1H	2021	C	4.5

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Mol	Chain	Res	Type	RSRZ
26	1H	2648	C	4.5
26	14	2456	C	4.5
46	D5	120	ILE	4.5
4	3E	96	LEU	4.5
26	1H	2319	G	4.5
26	14	2032	G	4.5
26	14	2120	G	4.5
33	61	35	LEU	4.5
4	3E	80	GLU	4.5
36	35	12	ALA	4.5
19	AA	78	ARG	4.5
1	13	366	C	4.5
26	1H	2145	C	4.5
9	8E	116	LYS	4.5
3	22	159	GLY	4.5
26	14	2712	U	4.5
5	42	12	LEU	4.5
20	BI	20	LEU	4.5
4	32	23	GLY	4.4
13	4A	5	ALA	4.4
38	55	69	ASP	4.4
53	K5	42	TRP	4.4
10	1I	92	THR	4.4
2	12	187	LEU	4.4
1	13	45	U	4.4
26	1H	12	U	4.4
1	1G	954	G	4.4
2	1E	229	VAL	4.4
43	A5	92	ARG	4.4
13	4A	99	ARG	4.4
31	49	72	ARG	4.4
10	1A	49	VAL	4.4
1	13	44	G	4.4
1	13	1312	G	4.4
17	8A	7	THR	4.4
51	M8	32	TYR	4.4
26	1H	2135	A	4.4
26	14	1349	A	4.4
26	14	2170	A	4.4
1	13	225	C	4.4
1	13	824	C	4.4
1	1G	656	C	4.4

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Mol	Chain	Res	Type	RSRZ
29	21	51	PHE	4.4
1	1G	952	U	4.4
26	14	2144	U	4.4
38	98	71	GLN	4.4
45	C5	90	LEU	4.4
33	69	14	ASP	4.4
46	D5	154	ASP	4.4
13	4I	114	ARG	4.4
1	1G	1392	G	4.4
26	1H	2160	G	4.4
2	1E	31	TYR	4.4
11	2I	121	PRO	4.4
17	8A	30	PRO	4.4
3	22	170	GLN	4.4
26	1H	1762	A	4.4
27	16	25	A	4.4
1	1G	1384	C	4.4
44	F8	53	LYS	4.4
26	14	1406	U	4.4
32	51	112	PRO	4.4
32	51	115	VAL	4.4
30	39	97	TYR	4.4
26	14	2338	G	4.3
31	49	135	LEU	4.3
40	B8	25	GLY	4.3
36	78	64	LYS	4.3
1	1G	325	A	4.3
26	1H	1463	C	4.3
26	14	614	U	4.3
47	I8	45	PHE	4.3
40	B8	52	ILE	4.3
10	1A	60	ARG	4.3
53	O8	42	TRP	4.3
1	13	800	G	4.3
17	8I	28	PRO	4.3
31	41	17	PRO	4.3
26	14	2273	A	4.3
38	55	42	LYS	4.3
47	I8	6	ALA	4.3
50	L8	17	LYS	4.3
1	13	822	C	4.3
1	1G	224	C	4.3

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Mol	Chain	Res	Type	RSRZ
26	1H	2710	C	4.3
1	1G	1135	U	4.3
24	3K	33	U	4.3
46	H8	73	GLN	4.3
3	22	31	HIS	4.3
37	45	104	PHE	4.3
26	1H	2805	G	4.3
26	1H	2114	A	4.3
1	1G	30	U	4.3
1	1G	962	C	4.3
26	14	350	U	4.3
32	59	50	VAL	4.3
40	75	10	VAL	4.3
10	1A	67	THR	4.3
29	21	90	THR	4.3
41	C8	20	LEU	4.3
4	3E	209	ARG	4.3
29	29	136	ARG	4.3
29	29	153	GLY	4.3
46	H8	153	SER	4.3
44	B5	82	GLN	4.3
12	3A	20	LYS	4.2
1	13	1425	U	4.2
1	1G	1166	G	4.2
16	7I	9	PHE	4.2
20	BA	73	HIS	4.2
26	1H	1594	G	4.2
26	1H	2334	G	4.2
26	14	271(C)	U	4.2
26	14	2148	G	4.2
26	14	2790	A	4.2
1	13	137	C	4.2
1	13	1362	C	4.2
3	22	34	LEU	4.2
2	12	30	ARG	4.2
5	42	128	PRO	4.2
8	72	85	ARG	4.2
24	1L	13	C	4.2
33	61	119	PRO	4.2
4	32	5	ILE	4.2
16	7I	39	TYR	4.2
10	1I	97	GLU	4.2

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Mol	Chain	Res	Type	RSRZ
12	3I	127	GLU	4.2
13	4A	8	GLU	4.2
3	22	37	GLN	4.2
33	69	17	GLN	4.2
29	29	120	TRP	4.2
20	BI	95	ALA	4.2
20	BA	97	ALA	4.2
27	1J	26	A	4.2
1	13	818	G	4.2
1	13	953	G	4.2
1	1G	1249	C	4.2
26	1H	232	G	4.2
26	1H	1295	C	4.2
26	1H	1593	G	4.2
26	1H	2112	G	4.2
26	1H	2677	G	4.2
26	1H	2695	C	4.2
4	3E	12	CYS	4.2
8	7E	2	LEU	4.2
45	G8	86	ARG	4.2
47	I8	57	PHE	4.2
12	3I	7	ILE	4.2
5	4E	124	GLY	4.2
42	95	9	GLY	4.2
31	41	30	GLU	4.2
10	1A	63	PHE	4.2
28	11	53	PHE	4.2
20	BA	78	ALA	4.2
34	58	85	ILE	4.2
40	75	5	ALA	4.2
19	AA	82	GLY	4.2
3	22	120	VAL	4.2
46	H8	79	ARG	4.2
20	BA	24	LEU	4.2
41	C8	39	LEU	4.2
6	5E	97	PHE	4.2
46	D5	149	SER	4.2
20	BA	95	ALA	4.2
26	14	849	A	4.2
36	78	141	ALA	4.2
1	13	150	C	4.2
12	3I	21	LYS	4.2

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Mol	Chain	Res	Type	RSRZ
26	1H	2678	C	4.2
1	1G	575	G	4.2
26	1H	975	G	4.2
5	42	81	GLU	4.1
32	59	86	GLU	4.1
2	1E	13	ALA	4.1
2	12	34	ALA	4.1
8	72	87	SER	4.1
11	2A	115	PRO	4.1
26	1H	2172	U	4.1
28	19	38	LYS	4.1
48	J8	92	LYS	4.1
52	N8	23	HIS	4.1
13	4A	100	GLY	4.1
9	82	10	ARG	4.1
26	14	2031	A	4.1
1	13	1384	C	4.1
4	3E	21	LEU	4.1
10	1A	65	LEU	4.1
26	14	965	C	4.1
26	14	2021	C	4.1
51	M8	59	PHE	4.1
5	4E	129	ILE	4.1
24	3L	5	G	4.1
40	75	113	LYS	4.1
19	AA	13	ASP	4.1
34	15	79	PRO	4.1
28	19	217	ARG	4.1
1	1G	223	U	4.1
24	3L	20	U	4.1
32	59	113	VAL	4.1
1	1G	1149	C	4.1
26	14	2620	C	4.1
38	98	106	GLY	4.1
1	13	799	G	4.1
1	1G	231	G	4.1
1	1G	1134	G	4.1
26	1H	1056	G	4.1
26	1H	1591	G	4.1
26	1H	1516	U	4.1
40	B8	110	ILE	4.1
55	Q8	35	GLN	4.1

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Mol	Chain	Res	Type	RSRZ
9	82	42	ARG	4.1
47	E5	44	ARG	4.1
26	1H	1472	A	4.1
2	1E	14	GLY	4.1
26	14	915	C	4.1
32	51	113	VAL	4.1
33	61	38	LEU	4.1
41	C8	19	LYS	4.1
28	19	64	ILE	4.1
16	7I	84	ALA	4.1
24	3K	22	G	4.1
26	14	1171	G	4.1
27	1J	116	G	4.1
32	59	39	PRO	4.1
7	6E	82	GLY	4.1
17	8I	29	HIS	4.1
3	22	115	LEU	4.0
4	32	161	ASN	4.0
46	D5	163	LEU	4.0
9	82	118	LYS	4.0
35	68	1	MET	4.0
45	C5	55	TYR	4.0
1	1G	1367	C	4.0
26	1H	2803	C	4.0
26	14	914	C	4.0
32	59	159	GLU	4.0
16	7I	28	ARG	4.0
19	AI	56	GLN	4.0
13	4I	7	VAL	4.0
36	35	71	VAL	4.0
1	1G	890	G	4.0
26	1H	530	G	4.0
26	1H	1343	G	4.0
26	1H	2523	G	4.0
41	C8	22	LYS	4.0
6	52	83	ASP	4.0
32	59	123	PHE	4.0
51	I5	32	TYR	4.0
20	BA	25	ARG	4.0
10	1A	61	GLU	4.0
29	29	157	ALA	4.0
52	N8	59	GLU	4.0

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Mol	Chain	Res	Type	RSRZ
1	1G	1394	A	4.0
39	65	34	HIS	4.0
40	B8	98	LYS	4.0
7	62	84	ASN	4.0
1	1G	261	U	4.0
3	22	17	ASP	4.0
26	14	2357	U	4.0
31	49	157	ILE	4.0
4	3E	207	TYR	4.0
36	78	30	THR	4.0
7	6E	8	GLU	4.0
31	41	137	GLU	4.0
32	59	150	ALA	4.0
1	1G	378	G	4.0
26	1H	563	G	4.0
26	1H	2131	G	4.0
26	14	1248	G	4.0
40	75	99	LEU	4.0
44	F8	85	PRO	4.0
20	BA	96	GLY	4.0
47	I8	73	GLY	4.0
26	14	32	C	4.0
26	14	1548	C	4.0
13	4A	104	ARG	4.0
34	15	100	GLU	4.0
1	1G	239	U	4.0
2	1E	213	LEU	4.0
49	G5	61	LEU	4.0
31	41	37	VAL	4.0
3	22	127	ARG	4.0
26	1H	2162	G	4.0
26	1H	2526	G	4.0
26	14	2362	G	4.0
5	42	127	ASN	4.0
1	1G	578	C	4.0
11	2A	75	TYR	4.0
24	3K	72	C	4.0
4	3E	22	LYS	4.0
33	61	41	GLU	4.0
33	61	116	LEU	4.0
32	59	21	PRO	3.9
23	2K	37	U	3.9

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Mol	Chain	Res	Type	RSRZ
1	13	226	G	3.9
26	14	2339	G	3.9
1	1G	970	C	3.9
24	3L	4	C	3.9
26	1H	1754	C	3.9
26	14	1886	C	3.9
33	69	27	ARG	3.9
34	15	69	GLN	3.9
26	14	868	U	3.9
26	14	2506	U	3.9
41	85	25	TRP	3.9
20	BI	17	ARG	3.9
3	22	51	GLY	3.9
1	1G	26	A	3.9
23	2K	74	A	3.9
26	1H	182	A	3.9
26	14	2363	C	3.9
12	3A	15	ARG	3.9
32	59	17	VAL	3.9
40	B8	89	VAL	3.9
51	M8	63	TYR	3.9
46	D5	97	GLU	3.9
51	M8	64	GLY	3.9
36	78	70	GLN	3.9
33	61	95	LYS	3.9
7	6E	16	LEU	3.9
1	1G	1225	A	3.9
24	3L	35	A	3.9
1	13	851	G	3.9
1	1G	506	G	3.9
12	3A	11	VAL	3.9
26	1H	961	C	3.9
26	1H	1595	G	3.9
26	1H	2363	C	3.9
31	49	159	VAL	3.9
17	8I	7	THR	3.9
1	1G	820	U	3.9
24	3L	55	U	3.9
10	1I	47	PHE	3.9
3	22	71	ALA	3.9
40	B8	93	ARG	3.8
2	12	86	GLU	3.8

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Mol	Chain	Res	Type	RSRZ
30	39	53	THR	3.8
34	58	88	GLU	3.8
4	32	77	ASN	3.8
24	3K	14	A	3.8
31	41	42	GLY	3.8
1	13	1326	C	3.8
1	1G	225	C	3.8
1	1G	1039	C	3.8
1	1G	1524	C	3.8
26	14	1178	C	3.8
26	14	1306	C	3.8
26	14	1660	C	3.8
26	14	2455	G	3.8
3	22	179	ARG	3.8
50	L8	42	ALA	3.8
17	8A	58	GLU	3.8
20	BI	68	LYS	3.8
28	11	5	LYS	3.8
32	51	116	GLU	3.8
35	68	108	GLU	3.8
44	B5	33	LYS	3.8
53	K5	12	GLU	3.8
33	69	137	PRO	3.8
34	58	93	THR	3.8
29	21	55	ASN	3.8
1	13	393	A	3.8
1	1G	160	A	3.8
2	12	137	ARG	3.8
24	1L	38	A	3.8
34	15	132	ALA	3.8
47	I8	56	ASP	3.8
1	13	1159	U	3.8
23	2K	35	C	3.8
24	3L	33	U	3.8
26	1H	856	C	3.8
26	14	395	U	3.8
26	14	1180	C	3.8
46	D5	56	VAL	3.8
1	1G	346	G	3.8
41	C8	16	LYS	3.8
4	32	4	TYR	3.8
48	F5	28	GLY	3.8

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Mol	Chain	Res	Type	RSRZ
4	3E	77	ASN	3.8
46	H8	80	ARG	3.8
4	32	83	SER	3.8
32	51	57	ASP	3.8
3	22	198	VAL	3.8
10	1A	57	LYS	3.8
1	1G	814	A	3.8
26	14	953	A	3.8
1	13	1364	U	3.8
26	14	1396	U	3.8
26	14	1405	U	3.8
3	22	5	ILE	3.8
3	22	205	GLY	3.8
8	7E	90	GLY	3.8
8	72	27	PRO	3.8
2	12	44	LEU	3.8
5	42	28	PHE	3.8
32	59	64	LEU	3.8
1	13	579	G	3.8
26	1H	2644	G	3.8
26	1H	2673	G	3.8
26	14	1347	G	3.8
44	B5	84	ALA	3.8
32	59	115	VAL	3.8
30	31	172	TRP	3.8
29	29	115	GLY	3.8
32	59	112	PRO	3.8
33	61	25	TYR	3.8
40	75	103	ARG	3.8
10	1I	88	LEU	3.8
26	14	1885	A	3.8
6	5E	101	ALA	3.7
24	1L	41	C	3.7
26	14	280	C	3.7
3	22	162	GLN	3.7
34	15	104	LYS	3.7
48	F5	30	VAL	3.7
1	13	1224	G	3.7
1	1G	657	G	3.7
1	1G	1233	G	3.7
1	1G	1432	G	3.7
26	1H	2115	G	3.7

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Mol	Chain	Res	Type	RSRZ
48	J8	85	LEU	3.7
2	12	134	GLU	3.7
40	B8	21	GLU	3.7
5	4E	88	LYS	3.7
12	3A	47	LYS	3.7
33	69	19	VAL	3.7
1	13	819	A	3.7
1	13	103	C	3.7
26	14	737	C	3.7
12	3I	89	ARG	3.7
47	I8	71	ASP	3.7
10	1I	90	LEU	3.7
52	J5	50	GLY	3.7
54	L5	2	LYS	3.7
1	13	1438	G	3.7
1	1G	1523	G	3.7
7	62	39	ALA	3.7
26	1H	273(A)	G	3.7
26	14	954	G	3.7
50	H5	19	GLN	3.7
3	22	181	ASN	3.7
40	B8	112	ARG	3.7
1	13	1391	U	3.7
1	1G	743	U	3.7
31	49	39	ILE	3.7
12	3I	81	SER	3.7
28	19	238	GLY	3.7
48	J8	84	GLY	3.7
32	59	36	PRO	3.7
20	BI	14	LYS	3.7
35	25	32	TYR	3.7
40	B8	103	ARG	3.7
5	42	131	ILE	3.7
32	59	151	ILE	3.7
1	13	1231	G	3.7
1	1G	326	G	3.7
1	1G	654	G	3.7
1	1G	963	G	3.7
7	6E	84	ASN	3.7
26	1H	2634	G	3.7
26	14	654(D)	G	3.7
29	29	121	ASN	3.7

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Mol	Chain	Res	Type	RSRZ
4	32	6	GLY	3.7
5	42	26	PHE	3.7
16	7A	68	ASP	3.7
51	M8	65	ASP	3.7
46	D5	99	TYR	3.7
1	1G	263	A	3.7
26	1H	1084	A	3.7
26	1H	1760	A	3.7
26	14	229	A	3.7
26	14	2126	A	3.7
4	32	73	ARG	3.7
24	3L	61	C	3.7
26	1H	591	C	3.7
26	14	2314	C	3.7
33	61	113	ARG	3.7
36	35	35	HIS	3.7
2	12	14	GLY	3.7
29	29	148	GLY	3.7
1	13	606	G	3.6
1	1G	1033	G	3.6
1	1G	1231	G	3.6
9	8E	114	TYR	3.6
37	88	139	GLU	3.6
26	1H	654(D)	G	3.6
26	14	1530	G	3.6
1	1G	20	U	3.6
1	1G	1232	U	3.6
1	1G	1393	U	3.6
23	2L	25	U	3.6
26	14	1415	U	3.6
30	39	95	ARG	3.6
47	I8	10	THR	3.6
47	E5	10	THR	3.6
1	13	262	A	3.6
26	1H	2336	A	3.6
38	98	70	LEU	3.6
26	1H	976	C	3.6
26	1H	2107	C	3.6
26	1H	2692	C	3.6
26	1H	2715	C	3.6
26	14	2137	C	3.6
29	29	122	PHE	3.6

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Mol	Chain	Res	Type	RSRZ
46	D5	68	PRO	3.6
9	8E	121	ARG	3.6
16	7A	84	ALA	3.6
44	B5	68	ARG	3.6
8	72	54	ASP	3.6
6	5E	89	MET	3.6
32	59	122	THR	3.6
33	61	12	LEU	3.6
41	85	39	LEU	3.6
9	8E	118	LYS	3.6
11	2A	70	LYS	3.6
20	BI	21	LYS	3.6
26	14	922	U	3.6
1	13	1182	G	3.6
1	1G	577	G	3.6
26	1H	2329	G	3.6
26	14	669	G	3.6
26	14	2101	G	3.6
26	14	2717	G	3.6
26	14	909	A	3.6
33	69	23	PRO	3.6
45	C5	56	PRO	3.6
30	39	6	VAL	3.6
34	58	100	GLU	3.6
39	65	36	TYR	3.6
11	2A	71	LYS	3.6
32	51	151	ILE	3.6
39	65	56	LEU	3.6
7	6E	34	GLY	3.6
3	22	109	PRO	3.6
9	82	14	VAL	3.6
30	39	5	ALA	3.6
32	59	19	VAL	3.6
41	85	46	ALA	3.6
1	13	227	G	3.6
1	13	254	G	3.6
1	13	742	G	3.6
1	1G	1224	G	3.6
26	14	2112	G	3.6
26	14	2121	G	3.6
46	D5	169	GLU	3.6
49	K8	66	GLU	3.6

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Mol	Chain	Res	Type	RSRZ
7	62	31	MET	3.6
26	14	1444(A)	A	3.6
34	15	89	LYS	3.6
2	1E	214	ILE	3.6
1	13	1514	C	3.6
9	82	105	ASP	3.6
22	1K	17	C	3.6
26	14	1625	C	3.6
3	22	171	GLY	3.6
17	8A	33	GLY	3.6
36	78	65	ARG	3.6
36	35	77	ARG	3.6
47	I8	76	GLY	3.6
3	22	53	ALA	3.6
4	32	7	PRO	3.6
26	1H	1133	U	3.6
26	1H	2387	U	3.6
4	32	9	CYS	3.6
28	19	215	LEU	3.6
40	75	105	LEU	3.6
41	C8	18	LEU	3.6
13	4A	9	ILE	3.6
1	13	105	G	3.5
1	1G	553	A	3.5
1	1G	873	A	3.5
1	1G	1171	G	3.5
2	1E	217	ARG	3.5
8	72	31	PHE	3.5
22	1K	30	G	3.5
24	3L	15	G	3.5
26	1H	654(C)	G	3.5
26	1H	2674	G	3.5
27	1J	89	G	3.5
3	22	145	GLY	3.5
1	1G	1352	C	3.5
24	1L	56	C	3.5
26	1H	755	C	3.5
46	H8	74	VAL	3.5
10	1I	99	LYS	3.5
31	49	84	LYS	3.5
17	8A	15	MET	3.5
33	69	68	LEU	3.5

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Mol	Chain	Res	Type	RSRZ
17	8I	86	GLU	3.5
34	58	68	GLU	3.5
40	75	109	GLU	3.5
1	1G	1150	U	3.5
1	1G	1512	U	3.5
4	32	31	CYS	3.5
4	32	76	ARG	3.5
20	BA	79	ARG	3.5
31	41	16	ARG	3.5
34	58	115	ARG	3.5
40	B8	22	PHE	3.5
42	95	65	GLY	3.5
1	13	935	A	3.5
7	6E	38	LEU	3.5
1	1G	1003	G	3.5
26	14	2707	G	3.5
9	8E	110	GLU	3.5
20	BI	33	ILE	3.5
3	2E	30	ARG	3.5
30	39	72	ARG	3.5
11	2I	87	THR	3.5
14	5A	37	PHE	3.5
1	13	1393	U	3.5
1	1G	1159	U	3.5
7	62	38	LEU	3.5
29	29	62	PRO	3.5
32	51	148	ILE	3.5
37	45	66	ILE	3.5
4	32	122	ARG	3.5
16	7A	25	ARG	3.5
3	22	23	TYR	3.5
24	3K	64	A	3.5
24	1L	14	A	3.5
24	1L	23	A	3.5
26	14	951	C	3.5
26	14	1592	C	3.5
24	3K	63	G	3.5
26	14	2299	G	3.5
37	88	124	LYS	3.5
53	K5	23	THR	3.5
3	2E	28	GLN	3.5
3	22	112	SER	3.5

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Mol	Chain	Res	Type	RSRZ
33	61	34	GLY	3.5
33	61	39	ALA	3.5
2	12	215	LEU	3.5
1	13	294	U	3.5
26	1H	2332	U	3.5
26	14	1094	U	3.5
3	22	166	GLU	3.5
3	22	201	TYR	3.5
50	H5	15	TYR	3.5
2	12	132	LYS	3.5
3	22	192	THR	3.5
1	13	134	A	3.5
26	14	2135	A	3.5
49	G5	6	VAL	3.5
4	3E	26	CYS	3.5
20	BI	67	ALA	3.5
1	13	1132	C	3.5
6	5E	96	PRO	3.5
26	1H	1386	C	3.5
33	61	1	MET	3.5
2	1E	42	ILE	3.5
2	12	43	ASP	3.5
1	13	1009	G	3.5
3	22	16	ARG	3.5
10	1I	45	ARG	3.5
29	29	119	ARG	3.5
1	13	1510	U	3.5
26	1H	1590	U	3.5
35	25	7	TYR	3.4
3	22	110	ASN	3.4
10	1I	101	VAL	3.4
29	29	7	VAL	3.4
33	69	136	VAL	3.4
45	C5	98	VAL	3.4
48	J8	49	VAL	3.4
20	BA	69	GLY	3.4
36	78	57	THR	3.4
3	22	168	ALA	3.4
38	98	19	ALA	3.4
42	95	62	LEU	3.4
45	G8	48	ALA	3.4
9	82	74	ILE	3.4

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Mol	Chain	Res	Type	RSRZ
1	13	1285	A	3.4
9	8E	75	ASP	3.4
10	1I	58	ASP	3.4
26	1H	567	A	3.4
42	95	78	LYS	3.4
53	K5	25	LYS	3.4
8	72	132	GLU	3.4
29	29	163	GLU	3.4
34	15	117	PHE	3.4
4	3E	68	TYR	3.4
16	7I	32	TYR	3.4
1	13	1001	G	3.4
1	1G	159	G	3.4
26	1H	566	U	3.4
26	1H	948	G	3.4
26	14	906	G	3.4
3	22	111	LEU	3.4
17	8I	33	GLY	3.4
28	19	100	GLY	3.4
2	1E	30	ARG	3.4
51	I5	31	ILE	3.4
52	J5	32	PRO	3.4
9	82	71	SER	3.4
3	22	26	LYS	3.4
2	1E	220	ASP	3.4
2	12	193	ASP	3.4
1	1G	983	A	3.4
26	1H	2733	A	3.4
26	14	1847	A	3.4
41	85	45	TYR	3.4
12	3I	36	VAL	3.4
9	82	96	LEU	3.4
14	5A	44	LEU	3.4
33	69	30	LEU	3.4
26	1H	2129	C	3.4
27	1J	6	C	3.4
7	62	2	ALA	3.4
40	B8	95	ARG	3.4
52	J5	15	ARG	3.4
5	42	13	ILE	3.4
26	14	767	U	3.4
46	D5	151	HIS	3.4

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Mol	Chain	Res	Type	RSRZ
40	B8	113	LYS	3.4
1	13	102	G	3.4
1	1G	11	G	3.4
26	1H	2125	G	3.4
26	1H	2192	G	3.4
26	14	1170	G	3.4
13	4A	67	GLU	3.4
17	8I	84	LEU	3.4
31	41	31	VAL	3.4
38	55	10	LEU	3.4
49	G5	7	ARG	3.4
4	3E	32	ALA	3.4
1	1G	109	A	3.4
3	22	124	ILE	3.4
12	3A	80	HIS	3.4
30	31	40	GLN	3.4
24	3L	72	C	3.4
26	1H	654(B)	C	3.4
26	14	2172	U	3.4
4	3E	81	GLU	3.4
6	5E	47	ARG	3.4
1	13	630	G	3.4
1	1G	29	G	3.4
6	5E	50	TYR	3.4
9	82	114	TYR	3.4
23	2K	32	G	3.4
26	1H	654(P)	G	3.4
26	14	2100	G	3.4
14	5A	38	GLY	3.4
9	82	11	LYS	3.4
54	P8	29	LYS	3.4
32	59	168	PRO	3.4
31	41	100	TRP	3.3
37	45	41	TRP	3.3
1	1G	229	U	3.3
1	1G	308	C	3.3
1	1G	1397	C	3.3
3	22	172	ARG	3.3
5	42	34	VAL	3.3
8	72	10	LEU	3.3
9	82	66	ARG	3.3
26	1H	557	U	3.3

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Mol	Chain	Res	Type	RSRZ
26	1H	1130	U	3.3
26	1H	2700	C	3.3
26	14	2568	C	3.3
32	51	104	GLU	3.3
2	1E	227	GLY	3.3
3	22	180	ALA	3.3
8	7E	1	MET	3.3
30	31	99	TYR	3.3
12	3I	23	LYS	3.3
18	9I	61	LYS	3.3
28	19	4	LYS	3.3
9	82	77	ILE	3.3
1	13	231	G	3.3
1	13	293	G	3.3
1	1G	108	G	3.3
26	1H	929	G	3.3
26	1H	2659	G	3.3
26	1H	2731	G	3.3
26	14	2160	G	3.3
26	14	2780	G	3.3
4	3E	135	LEU	3.3
10	1I	85	LEU	3.3
48	J8	95	LEU	3.3
3	22	161	GLU	3.3
1	1G	344	A	3.3
24	3K	23	A	3.3
24	3L	9	A	3.3
26	1H	2711	A	3.3
26	14	2320	A	3.3
30	39	43	LYS	3.3
3	22	77	ILE	3.3
4	32	32	ALA	3.3
36	78	69	GLY	3.3
37	45	137	TYR	3.3
40	75	100	TYR	3.3
44	B5	69	TYR	3.3
1	13	619	U	3.3
26	1H	2696	U	3.3
36	35	18	ARG	3.3
3	22	52	LEU	3.3
39	A8	12	PHE	3.3
1	13	108	G	3.3

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Mol	Chain	Res	Type	RSRZ
1	13	951	G	3.3
1	13	1133	G	3.3
1	13	1233	G	3.3
1	1G	1032(A)	G	3.3
1	1G	1530	G	3.3
3	22	50	ALA	3.3
24	1L	70	G	3.3
26	14	545	G	3.3
26	14	921	G	3.3
47	I8	53	MET	3.3
36	78	28	GLY	3.3
11	2I	75	TYR	3.3
1	13	919	A	3.3
1	1G	819	A	3.3
26	14	2268	A	3.3
8	7E	85	ARG	3.3
12	3A	9	GLN	3.3
20	BA	71	THR	3.3
33	69	54	GLN	3.3
20	BA	13	LEU	3.3
26	1H	2108	C	3.3
26	14	1754	C	3.3
38	98	10	LEU	3.3
5	42	121	LYS	3.3
12	3A	21	LYS	3.3
30	39	11	VAL	3.3
20	BI	49	ALA	3.3
20	BI	63	ILE	3.3
48	F5	27	GLU	3.3
32	59	91	GLY	3.3
42	95	8	GLY	3.3
38	55	21	TYR	3.3
36	35	16	ARG	3.3
1	1G	331	G	3.3
4	32	79	PHE	3.3
6	5E	98	LEU	3.3
26	14	2331	G	3.3
3	22	99	VAL	3.3
3	22	207	VAL	3.3
29	21	7	VAL	3.3
46	H8	90	VAL	3.3
1	13	229	U	3.3

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Mol	Chain	Res	Type	RSRZ
1	13	1125	U	3.3
26	1H	866	A	3.3
26	1H	1759	A	3.3
26	1H	2170	A	3.3
26	14	2034	U	3.3
26	14	2041	U	3.3
1	1G	345	C	3.3
7	62	42	ILE	3.3
26	1H	1233	C	3.3
26	14	34	C	3.3
40	B8	109	GLU	3.3
13	4I	3	ARG	3.2
38	55	6	SER	3.2
46	H8	70	LEU	3.2
50	L8	20	LYS	3.2
17	8A	5	VAL	3.2
29	21	72	VAL	3.2
32	59	43	VAL	3.2
42	D8	49	THR	3.2
1	1G	755	G	3.2
1	1G	1061	G	3.2
1	1G	1391	U	3.2
5	42	35	GLY	3.2
12	3I	29	GLY	3.2
26	14	550	G	3.2
26	14	905	U	3.2
26	14	1348	G	3.2
1	13	313	A	3.2
1	13	655	A	3.2
1	13	974	A	3.2
28	11	52	ARG	3.2
42	95	21	ARG	3.2
26	14	1761	C	3.2
33	69	69	LYS	3.2
41	C8	95	LEU	3.2
31	41	102	PHE	3.2
36	35	47	ASP	3.2
28	11	64	ILE	3.2
55	M5	16	ILE	3.2
37	45	136	ALA	3.2
3	22	190	ARG	3.2
10	1I	95	GLU	3.2

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Mol	Chain	Res	Type	RSRZ
3	22	147	LYS	3.2
20	BI	29	LYS	3.2
40	B8	105	LEU	3.2
53	K5	9	LEU	3.2
1	1G	343	U	3.2
1	1G	1351	U	3.2
1	13	1131	G	3.2
1	1G	310	G	3.2
1	1G	1353	G	3.2
17	8I	27	PHE	3.2
26	1H	2042	A	3.2
26	14	710	G	3.2
26	14	1642	G	3.2
30	39	98	SER	3.2
42	D8	37	VAL	3.2
20	BA	16	HIS	3.2
1	13	732	C	3.2
1	1G	562	C	3.2
1	1G	1354	C	3.2
26	14	2139	C	3.2
26	14	2477	C	3.2
38	98	72	ASP	3.2
2	12	201	ILE	3.2
40	B8	50	ILE	3.2
3	22	119	ARG	3.2
5	4E	18	ARG	3.2
20	BI	103	GLY	3.2
20	BA	26	ASN	3.2
41	C8	15	LYS	3.2
2	1E	55	PHE	3.2
2	12	93	VAL	3.2
48	J8	70	VAL	3.2
26	14	2099	U	3.2
46	D5	153	SER	3.2
48	F5	86	SER	3.2
41	C8	36	ARG	3.2
22	1K	35	A	3.2
24	3L	37	A	3.2
26	1H	1932	A	3.2
33	61	94	ALA	3.2
1	1G	260	G	3.2
26	14	654(C)	G	3.2

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Mol	Chain	Res	Type	RSRZ
26	14	916	G	3.2
26	14	1555	G	3.2
45	C5	47	LYS	3.2
48	J8	69	LYS	3.2
26	1H	1575	C	3.2
10	1A	88	LEU	3.2
41	85	18	LEU	3.2
46	D5	155	LEU	3.2
2	12	164	VAL	3.2
3	22	106	VAL	3.2
6	52	97	PHE	3.2
52	N8	51	TYR	3.2
20	BA	98	PRO	3.2
32	51	15	VAL	3.2
37	88	81	VAL	3.2
20	BI	25	ARG	3.2
42	95	64	HIS	3.2
49	G5	9	GLN	3.2
10	1A	42	THR	3.2
12	3I	28	LYS	3.1
34	58	109	LYS	3.1
34	15	70	LYS	3.1
12	3A	29	GLY	3.1
14	5A	55	GLY	3.1
28	19	55	GLY	3.1
21	1B	14	TRP	3.1
1	13	1451	A	3.1
26	1H	1132	A	3.1
26	1H	2530	A	3.1
26	14	2712(A)	A	3.1
27	1J	89(A)	A	3.1
3	22	29	TYR	3.1
3	22	186	PHE	3.1
12	3I	11	VAL	3.1
29	29	59	VAL	3.1
31	41	80	PHE	3.1
45	G8	98	VAL	3.1
3	22	114	PRO	3.1
26	1H	436	C	3.1
26	1H	1556	C	3.1
40	B8	23	ARG	3.1
41	85	3	ARG	3.1

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Mol	Chain	Res	Type	RSRZ
49	K8	14	ARG	3.1
45	G8	34	LYS	3.1
15	6I	52	SER	3.1
47	E5	18	ALA	3.1
54	P8	4	THR	3.1
3	2E	34	LEU	3.1
4	32	11	LEU	3.1
32	59	48	GLY	3.1
26	14	1590	U	3.1
19	AA	11	VAL	3.1
28	11	34	VAL	3.1
5	42	73	ASN	3.1
34	58	129	PRO	3.1
4	3E	151	LYS	3.1
10	1I	6	ILE	3.1
32	51	162	ILE	3.1
1	1G	91	C	3.1
1	1G	121	C	3.1
26	14	790	C	3.1
29	29	5	LEU	3.1
1	13	1526	G	3.1
1	1G	413	G	3.1
1	1G	867	G	3.1
1	1G	916	G	3.1
1	1G	1370	G	3.1
11	2A	49	GLY	3.1
26	14	2330	G	3.1
30	31	131	GLY	3.1
32	51	5	GLY	3.1
5	42	50	GLU	3.1
7	62	146	GLU	3.1
8	72	136	GLU	3.1
2	12	229	VAL	3.1
26	1H	2150	U	3.1
34	15	109	LYS	3.1
53	K5	27	LYS	3.1
30	39	26	ALA	3.1
41	85	96	ALA	3.1
47	I8	8	ALA	3.1
20	BI	99	LEU	3.1
33	61	6	LEU	3.1
1	13	1280	A	3.1

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Mol	Chain	Res	Type	RSRZ
20	BI	96	GLY	3.1
26	14	1384	A	3.1
26	14	1597	A	3.1
1	1G	385	C	3.1
1	1G	1172	C	3.1
3	22	68	VAL	3.1
26	1H	2730	C	3.1
29	29	79	ARG	3.1
30	39	36	VAL	3.1
46	D5	168	GLU	3.1
1	13	306	G	3.1
1	1G	567	G	3.1
16	7I	17	TYR	3.1
24	3K	6	G	3.1
26	14	508	G	3.1
26	14	2035	G	3.1
28	19	231	HIS	3.1
48	F5	77	ALA	3.1
4	32	157	LEU	3.1
4	32	174	LEU	3.1
44	B5	66	LEU	3.1
20	BI	69	GLY	3.1
30	39	91	GLY	3.1
4	32	141	ARG	3.1
30	31	95	ARG	3.1
2	12	24	TRP	3.1
13	4A	73	GLU	3.1
1	13	968	A	3.1
55	Q8	52	LYS	3.1
37	45	138	ASP	3.1
40	B8	48	ILE	3.1
48	J8	71	TYR	3.1
53	K5	21	TYR	3.1
22	1K	56	C	3.0
26	1H	1217	C	3.0
13	4I	118	ALA	3.0
49	G5	44	LEU	3.0
17	8A	16	GLN	3.0
1	13	1166	G	3.0
1	1G	226	G	3.0
1	1G	973	G	3.0
1	1G	1220	G	3.0

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Mol	Chain	Res	Type	RSRZ
26	1H	2321	G	3.0
26	14	920	G	3.0
26	14	2153	G	3.0
29	29	106	GLY	3.0
47	I8	77	ARG	3.0
21	1F	17	THR	3.0
9	82	65	VAL	3.0
26	1H	1396	U	3.0
20	BI	70	SER	3.0
30	39	172	TRP	3.0
53	K5	24	GLU	3.0
32	59	12	PRO	3.0
35	68	80	ASP	3.0
1	13	1229	A	3.0
1	1G	975	A	3.0
9	82	76	ALA	3.0
20	BA	66	ALA	3.0
32	59	71	LEU	3.0
26	14	1641	A	3.0
5	42	130	ASN	3.0
10	1A	68	HIS	3.0
3	22	118	GLN	3.0
9	8E	120	ARG	3.0
1	13	63	C	3.0
1	13	623	C	3.0
1	1G	756	C	3.0
26	14	2143	C	3.0
29	29	107	THR	3.0
32	51	169	VAL	3.0
44	F8	50	LYS	3.0
1	13	1232	U	3.0
26	1H	2132	U	3.0
1	1G	384	G	3.0
1	1G	1385	G	3.0
26	1H	1176	G	3.0
26	1H	1219	G	3.0
26	1H	1371	G	3.0
26	14	2141	G	3.0
26	14	2321	G	3.0
3	22	33	LEU	3.0
14	5A	39	LEU	3.0
16	7I	6	LEU	3.0

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Mol	Chain	Res	Type	RSRZ
31	49	116	ASP	3.0
52	J5	24	ALA	3.0
8	72	12	ARG	3.0
12	3I	46	LYS	3.0
28	19	203	ASN	3.0
48	F5	32	LYS	3.0
1	1G	313	A	3.0
3	22	55	VAL	3.0
26	1H	1274	A	3.0
10	1I	100	THR	3.0
1	1G	395	C	3.0
1	1G	875	C	3.0
1	1G	1018	C	3.0
1	1G	1218	C	3.0
26	1H	22	C	3.0
26	1H	537	C	3.0
26	1H	1345	C	3.0
26	14	392	C	3.0
26	14	1145	C	3.0
28	11	30	GLU	3.0
2	12	202	PRO	3.0
7	62	14	PRO	3.0
50	H5	12	PRO	3.0
8	7E	10	LEU	3.0
9	8E	79	LEU	3.0
49	G5	60	LEU	3.0
39	65	37	ALA	3.0
1	13	261	U	3.0
26	14	380	U	3.0
1	1G	1173	G	3.0
2	12	45	GLN	3.0
9	82	69	GLY	3.0
26	1H	1252	G	3.0
26	1H	1555	G	3.0
26	1H	2482	G	3.0
26	1H	2891	G	3.0
26	14	2872	G	3.0
27	1J	117	G	3.0
44	B5	87	GLN	3.0
2	12	104	ASN	3.0
5	42	84	PHE	3.0
10	1I	67	THR	3.0

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Mol	Chain	Res	Type	RSRZ
10	1I	64	GLU	3.0
29	29	78	LEU	3.0
42	D8	39	LEU	3.0
43	A5	78	GLU	3.0
46	H8	68	PRO	3.0
53	K5	41	PRO	3.0
4	3E	25	ARG	3.0
6	5E	46	ARG	3.0
2	1E	188	ALA	3.0
20	BI	97	ALA	3.0
1	1G	135	C	3.0
1	1G	984	C	3.0
13	4A	87	TYR	3.0
53	K5	39	TYR	3.0
3	22	70	VAL	3.0
11	2A	105	VAL	3.0
18	9A	57	GLY	3.0
28	11	100	GLY	3.0
32	59	37	VAL	3.0
1	13	1390	U	3.0
1	1G	1062	U	3.0
7	6E	13	GLN	3.0
14	5A	52	GLN	3.0
13	4I	9	ILE	3.0
31	49	90	LEU	2.9
13	4A	88	ARG	2.9
33	69	41	GLU	2.9
40	B8	96	ARG	2.9
1	13	190	G	2.9
1	13	1392	G	2.9
1	1G	1017	G	2.9
1	1G	1127	G	2.9
26	1H	11	G	2.9
26	1H	882	G	2.9
26	14	2154	G	2.9
26	14	2708	G	2.9
17	8I	34	LYS	2.9
3	2E	184	TYR	2.9
30	31	98	SER	2.9
26	1H	1272	A	2.9
26	14	1472	A	2.9
4	3E	2	GLY	2.9

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Mol	Chain	Res	Type	RSRZ
3	22	28	GLN	2.9
26	1H	20	C	2.9
26	1H	2175	C	2.9
26	14	1383	C	2.9
26	14	2619	C	2.9
3	22	152	ILE	2.9
17	8I	15	MET	2.9
1	1G	561	U	2.9
10	1A	46	ARG	2.9
32	59	60	ARG	2.9
46	H8	82	ARG	2.9
4	32	22	LYS	2.9
10	1I	91	PRO	2.9
11	2I	42	TRP	2.9
29	21	62	PRO	2.9
40	75	11	GLU	2.9
44	B5	23	GLU	2.9
7	62	61	VAL	2.9
20	BI	88	VAL	2.9
2	12	99	GLY	2.9
4	3E	69	GLY	2.9
42	95	41	GLY	2.9
1	1G	1074	G	2.9
24	3K	5	G	2.9
26	14	446	G	2.9
10	1I	84	GLN	2.9
12	3A	7	ILE	2.9
31	49	144	ILE	2.9
3	22	38	ARG	2.9
7	62	124	LEU	2.9
20	BA	86	ARG	2.9
26	14	1762	A	2.9
26	14	2713	A	2.9
38	55	17	ARG	2.9
46	H8	72	ARG	2.9
49	G5	51	ARG	2.9
7	62	109	ASN	2.9
16	7A	31	LYS	2.9
32	59	68	THR	2.9
36	35	76	LYS	2.9
44	B5	27	THR	2.9
45	C5	54	LYS	2.9

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Mol	Chain	Res	Type	RSRZ
53	O8	23	THR	2.9
1	1G	528	C	2.9
26	1H	949	C	2.9
26	1H	2498	C	2.9
26	14	2700	C	2.9
27	1J	27	C	2.9
31	41	2	PRO	2.9
35	25	45	GLU	2.9
5	42	90	VAL	2.9
11	2A	47	VAL	2.9
42	95	79	VAL	2.9
5	4E	125	SER	2.9
2	1E	11	LEU	2.9
2	12	146	GLN	2.9
10	1A	84	GLN	2.9
13	4I	104	ARG	2.9
30	31	38	ARG	2.9
46	D5	133	ILE	2.9
46	D5	91	LEU	2.9
38	98	9	LYS	2.9
46	D5	156	LYS	2.9
53	O8	27	LYS	2.9
13	4A	63	THR	2.9
29	29	92	THR	2.9
53	K5	14	THR	2.9
1	1G	1081	G	2.9
1	1G	1133	G	2.9
1	1G	1525	G	2.9
4	32	172	PRO	2.9
26	1H	1816	G	2.9
26	1H	2018	G	2.9
26	14	2334	G	2.9
26	14	2454	G	2.9
1	13	608	A	2.9
26	14	532	A	2.9
1	13	934	C	2.9
1	13	967	C	2.9
26	1H	564	C	2.9
26	1H	2364	C	2.9
26	1H	2586	C	2.9
1	13	253	U	2.9
1	13	820	U	2.9

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Mol	Chain	Res	Type	RSRZ
1	1G	552	U	2.9
1	1G	1040	U	2.9
1	1G	1372	U	2.9
37	45	93	TYR	2.9
37	88	104	PHE	2.9
37	45	88	GLY	2.9
5	4E	15	ARG	2.9
39	65	17	ARG	2.9
7	62	59	LEU	2.9
10	1I	50	ILE	2.9
20	BI	13	LEU	2.9
32	51	87	LEU	2.9
36	35	45	LEU	2.9
37	88	2	LEU	2.9
40	75	50	ILE	2.9
45	G8	68	HIS	2.9
5	42	16	THR	2.9
41	85	42	ALA	2.9
33	69	66	GLU	2.9
1	13	853	G	2.9
24	3K	27	G	2.9
26	1H	571	A	2.9
26	14	1529	A	2.9
26	14	1884	A	2.9
29	29	160	TYR	2.9
12	3A	10	LEU	2.9
32	59	4	ILE	2.9
45	C5	75	ILE	2.9
10	1A	56	HIS	2.8
1	1G	1325	C	2.8
1	1G	1522	U	2.8
26	14	1629	U	2.8
26	14	2122	U	2.8
9	8E	119	ALA	2.8
40	B8	24	PRO	2.8
2	1E	15	VAL	2.8
48	F5	20	ARG	2.8
30	31	43	LYS	2.8
31	41	23	PHE	2.8
34	58	83	LYS	2.8
4	32	19	LEU	2.8
18	9A	58	LEU	2.8

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Mol	Chain	Res	Type	RSRZ
24	1L	9	A	2.8
26	1H	13	A	2.8
26	14	2621	A	2.8
27	1J	45	A	2.8
1	13	266	G	2.8
1	13	392	G	2.8
1	13	966	G	2.8
1	13	1196	U	2.8
1	1G	881	G	2.8
1	1G	1020	U	2.8
24	3L	12	U	2.8
26	1H	180	G	2.8
26	1H	859	G	2.8
26	14	592	G	2.8
26	14	1440	G	2.8
27	1J	18	G	2.8
39	65	3	ARG	2.8
39	65	43	GLU	2.8
47	E5	43	THR	2.8
1	13	1389	C	2.8
1	13	1515	C	2.8
1	1G	90	C	2.8
1	1G	1230	C	2.8
12	3A	82	VAL	2.8
26	1H	654(E)	C	2.8
26	1H	2612	C	2.8
26	14	654(M)	C	2.8
26	14	1386	C	2.8
26	14	2055	C	2.8
26	14	2142	C	2.8
30	39	65	TRP	2.8
20	BI	9	ASN	2.8
15	6I	31	LEU	2.8
40	75	7	ILE	2.8
2	1E	29	ALA	2.8
5	42	17	ALA	2.8
30	31	42	ALA	2.8
31	49	73	ALA	2.8
32	51	155	SER	2.8
32	59	16	SER	2.8
35	68	28	SER	2.8
2	1E	165	VAL	2.8

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Mol	Chain	Res	Type	RSRZ
7	62	35	LYS	2.8
8	7E	56	LYS	2.8
28	19	40	THR	2.8
31	41	164	GLU	2.8
39	65	47	THR	2.8
1	1G	573	A	2.8
48	J8	94	LEU	2.8
55	Q8	32	LEU	2.8
5	4E	11	ILE	2.8
15	6A	89	GLY	2.8
31	41	44	GLY	2.8
45	C5	43	ASN	2.8
46	D5	171	ILE	2.8
1	1G	112	G	2.8
1	1G	878	G	2.8
1	1G	879	C	2.8
1	1G	1156	G	2.8
7	6E	85	TYR	2.8
24	3L	62	C	2.8
26	1H	1515	C	2.8
26	1H	2633	G	2.8
26	1H	2714	G	2.8
26	14	654(L)	G	2.8
26	14	865	C	2.8
26	14	882	G	2.8
26	14	1304	C	2.8
26	14	1975	G	2.8
39	65	7	TYR	2.8
3	22	69	HIS	2.8
43	A5	111	HIS	2.8
9	8E	122	ALA	2.8
20	BA	67	ALA	2.8
34	15	131	GLN	2.8
3	22	150	LYS	2.8
13	4I	115	LYS	2.8
37	45	90	VAL	2.8
38	55	27	SER	2.8
46	D5	27	VAL	2.8
2	1E	9	GLU	2.8
4	32	120	LEU	2.8
53	K5	51	GLU	2.8
2	12	28	PHE	2.8

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Mol	Chain	Res	Type	RSRZ
11	2I	81	ASP	2.8
18	9I	65	ILE	2.8
15	6I	89	GLY	2.8
20	BI	47	GLY	2.8
33	6I	11	ASN	2.8
1	13	663	A	2.8
1	1G	1285	A	2.8
23	2K	36	A	2.8
26	1H	984	A	2.8
26	1H	2041	U	2.8
26	14	1029	A	2.8
10	1I	66	ARG	2.8
13	4A	3	ARG	2.8
1	13	1172	C	2.8
1	1G	454	C	2.8
1	1G	805	C	2.8
16	7I	7	ALA	2.8
28	11	225	ALA	2.8
39	A8	20	ARG	2.8
9	8E	70	LYS	2.8
34	58	69	GLN	2.8
1	13	1171	G	2.8
1	13	1516	G	2.8
7	62	69	VAL	2.8
11	2I	115	PRO	2.8
22	1K	70	G	2.8
24	1L	71	G	2.8
24	3L	27	G	2.8
26	1H	573	G	2.8
26	14	2152	G	2.8
26	14	2641	G	2.8
26	14	2642	G	2.8
30	31	94	PRO	2.8
43	A5	86	LEU	2.8
10	1I	48	THR	2.8
10	1I	61	GLU	2.8
10	1I	81	THR	2.8
37	45	91	GLU	2.8
10	1A	82	ILE	2.8
32	59	162	ILE	2.8
3	2E	158	GLY	2.7
10	1I	89	ASP	2.7

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Mol	Chain	Res	Type	RSRZ
9	82	128	ARG	2.7
52	N8	15	ARG	2.7
16	7I	12	LYS	2.7
52	J5	14	ALA	2.7
1	1G	1229	A	2.7
22	1K	36	A	2.7
26	1H	654(J)	A	2.7
26	14	913	U	2.7
26	14	2476	A	2.7
31	49	28	VAL	2.7
42	D8	72	VAL	2.7
30	39	25	PRO	2.7
46	D5	167	PRO	2.7
28	19	37	LEU	2.7
39	65	54	LEU	2.7
42	95	18	LEU	2.7
1	13	1270	C	2.7
1	1G	980	C	2.7
8	7E	3	THR	2.7
26	1H	857	C	2.7
26	1H	982	C	2.7
26	14	912	C	2.7
26	14	1640	C	2.7
26	14	2313	C	2.7
29	21	77	ILE	2.7
46	H8	66	SER	2.7
31	41	162	THR	2.7
46	D5	98	MET	2.7
1	13	331	G	2.7
1	13	1017	G	2.7
1	1G	524	G	2.7
1	1G	579	G	2.7
26	1H	1131	G	2.7
26	1H	1559	G	2.7
26	14	382	G	2.7
26	14	1678	G	2.7
26	14	1733	G	2.7
26	14	2340	G	2.7
41	C8	56	ASP	2.7
5	42	21	ALA	2.7
17	8A	29	HIS	2.7
5	42	20	GLN	2.7

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Mol	Chain	Res	Type	RSRZ
12	3A	78	GLN	2.7
17	8I	16	GLN	2.7
2	12	51	LEU	2.7
29	21	5	LEU	2.7
29	29	63	LEU	2.7
34	58	67	LEU	2.7
43	A5	107	LEU	2.7
50	H5	2	PRO	2.7
52	J5	28	PRO	2.7
53	K5	40	CYS	2.7
1	13	429	U	2.7
1	1G	1056	U	2.7
5	4E	13	ILE	2.7
26	1H	594	U	2.7
26	1H	1294	U	2.7
47	E5	45	PHE	2.7
1	13	609	A	2.7
1	1G	243	A	2.7
1	1G	915	A	2.7
1	1G	1287	A	2.7
26	1H	1177	A	2.7
28	19	250	TRP	2.7
16	7I	42	ARG	2.7
20	BA	21	LYS	2.7
32	59	25	LYS	2.7
35	68	66	LYS	2.7
4	3E	102	ASP	2.7
26	14	756	C	2.7
26	14	2317	C	2.7
26	14	2380	C	2.7
26	14	2463	C	2.7
26	14	2715	C	2.7
3	22	193	TYR	2.7
2	1E	218	ALA	2.7
13	4I	119	ALA	2.7
45	C5	78	ALA	2.7
36	78	71	VAL	2.7
31	49	139	LEU	2.7
32	51	105	LEU	2.7
45	C5	14	LEU	2.7
48	J8	98	LEU	2.7
1	13	576	G	2.7

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Mol	Chain	Res	Type	RSRZ
1	13	890	G	2.7
1	13	1173	G	2.7
1	13	1187	G	2.7
1	1G	941	G	2.7
1	1G	1021	G	2.7
23	2K	9	G	2.7
26	1H	968	G	2.7
26	1H	1517	G	2.7
26	1H	1573	G	2.7
34	15	108	PRO	2.7
52	N8	27	PRO	2.7
40	75	1	MET	2.7
10	1I	42	THR	2.7
16	7I	26	ARG	2.7
51	M8	37	SER	2.7
1	1G	571	U	2.7
1	1G	1364	U	2.7
26	1H	50	U	2.7
26	14	2457	U	2.7
1	13	228	A	2.7
1	13	949	A	2.7
26	1H	2019	A	2.7
26	1H	2892	A	2.7
26	14	1046	A	2.7
5	42	86	ALA	2.7
7	6E	2	ALA	2.7
41	85	91	ASP	2.7
15	6A	31	LEU	2.7
20	BA	92	LEU	2.7
30	31	101	LEU	2.7
30	31	182	ASN	2.7
31	41	62	LEU	2.7
33	61	21	VAL	2.7
34	15	87	LEU	2.7
34	15	101	HIS	2.7
47	I8	7	LEU	2.7
1	13	962	C	2.7
7	6E	11	GLN	2.7
8	7E	5	PRO	2.7
24	3K	13	C	2.7
24	1L	72	C	2.7
26	1H	273(B)	C	2.7

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Mol	Chain	Res	Type	RSRZ
26	14	560	C	2.7
16	7I	19	ILE	2.7
29	21	32	PRO	2.7
33	61	111	PRO	2.7
38	55	39	PRO	2.7
12	3A	12	ARG	2.7
18	9I	72	ARG	2.7
30	39	62	ARG	2.7
44	F8	94	GLY	2.7
1	1G	190	G	2.7
1	1G	1029	G	2.7
1	1G	1508	G	2.7
26	1H	2147	G	2.7
26	1H	2543	G	2.7
26	14	881	G	2.7
26	14	2486	G	2.7
3	22	163	ALA	2.7
1	13	952	U	2.7
1	13	982	U	2.7
31	49	133	LEU	2.7
33	69	31	LEU	2.7
41	85	95	LEU	2.7
19	AA	12	ASP	2.7
1	13	1513	A	2.6
2	12	214	ILE	2.6
3	22	202	ILE	2.6
9	82	18	PHE	2.6
26	1H	900	A	2.6
26	1H	2602	A	2.6
26	14	2117	A	2.6
34	15	129	PRO	2.6
36	78	1	MET	2.6
3	22	131	ARG	2.6
36	35	65	ARG	2.6
43	A5	97	LYS	2.6
45	G8	87	LYS	2.6
1	1G	1129	C	2.6
23	2K	72	C	2.6
26	1H	34	C	2.6
26	1H	535	C	2.6
26	14	378	C	2.6
26	14	758	C	2.6

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Mol	Chain	Res	Type	RSRZ
26	14	982	C	2.6
26	14	1607	C	2.6
37	45	105	GLU	2.6
13	4A	103	THR	2.6
20	BI	71	THR	2.6
2	12	112	VAL	2.6
13	4I	5	ALA	2.6
20	BI	59	ALA	2.6
32	51	102	ALA	2.6
32	59	24	VAL	2.6
4	3E	4	TYR	2.6
31	41	146	TYR	2.6
35	68	32	TYR	2.6
40	B8	100	TYR	2.6
43	A5	9	TYR	2.6
1	13	138	G	2.6
1	1G	1164	G	2.6
18	9A	65	ILE	2.6
26	1H	592	G	2.6
26	1H	711	G	2.6
26	1H	928	G	2.6
26	14	391	G	2.6
45	C5	61	ILE	2.6
3	22	142	MET	2.6
13	4I	106	ASN	2.6
28	11	149	PRO	2.6
29	21	74	PRO	2.6
36	35	33	ARG	2.6
45	G8	33	LYS	2.6
45	C5	66	PRO	2.6
46	H8	158	PRO	2.6
50	H5	16	PRO	2.6
29	21	194	GLY	2.6
26	1H	1597	A	2.6
28	11	206	LEU	2.6
29	29	196	VAL	2.6
30	39	33	LEU	2.6
31	41	152	LEU	2.6
52	N8	14	ALA	2.6
55	M5	32	LEU	2.6
1	1G	1063	C	2.6
22	1K	2	C	2.6

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Mol	Chain	Res	Type	RSRZ
26	1H	974(A)	C	2.6
12	3A	64	TYR	2.6
31	49	146	TYR	2.6
19	AA	40	ILE	2.6
20	BA	100	ILE	2.6
8	7E	9	MET	2.6
36	35	64	LYS	2.6
42	95	90	PRO	2.6
3	2E	41	GLY	2.6
29	29	158	GLY	2.6
40	B8	92	GLY	2.6
1	13	884	U	2.6
1	1G	89	U	2.6
1	13	416	G	2.6
1	13	662	G	2.6
1	1G	1181	G	2.6
26	1H	2751	G	2.6
26	14	388	G	2.6
26	14	711	G	2.6
26	14	2664	G	2.6
36	35	62	LEU	2.6
46	D5	150	LEU	2.6
10	1I	49	VAL	2.6
11	2I	114	VAL	2.6
20	BA	52	ALA	2.6
32	59	20	ALA	2.6
32	59	102	ALA	2.6
33	61	26	ALA	2.6
41	85	48	ALA	2.6
5	42	27	ARG	2.6
16	7I	75	ARG	2.6
26	1H	532	A	2.6
26	1H	1103	A	2.6
34	58	70	LYS	2.6
40	75	52	ILE	2.6
47	E5	36	ILE	2.6
54	P8	32	LYS	2.6
12	3A	81	SER	2.6
34	58	101	HIS	2.6
49	G5	45	SER	2.6
3	22	73	PRO	2.6
7	62	71	PRO	2.6

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Mol	Chain	Res	Type	RSRZ
28	19	249	PRO	2.6
1	1G	989	C	2.6
23	2K	13	C	2.6
27	1J	68	C	2.6
4	32	171	GLY	2.6
5	4E	130	ASN	2.6
2	1E	221	LEU	2.6
2	12	98	LEU	2.6
10	1I	65	LEU	2.6
20	BI	92	LEU	2.6
42	95	20	LEU	2.6
3	2E	169	ALA	2.6
28	11	2	ALA	2.6
31	49	37	VAL	2.6
51	M8	56	VAL	2.6
9	82	16	ARG	2.6
20	BA	23	ARG	2.6
28	11	250	TRP	2.6
30	31	34	TRP	2.6
41	85	28	ARG	2.6
52	N8	13	LYS	2.6
12	3A	37	CYS	2.6
32	59	136	ILE	2.6
1	13	1142	G	2.6
1	1G	485	G	2.6
2	12	152	PHE	2.6
23	2K	53	G	2.6
26	1H	654(L)	G	2.6
26	1H	2151	G	2.6
30	31	13	SER	2.6
33	69	143	SER	2.6
51	M8	42	PHE	2.6
28	11	223	GLY	2.6
10	1I	69	ASN	2.6
19	AA	53	ASN	2.6
1	1G	307	C	2.6
1	1G	526	C	2.6
1	1G	1066	C	2.6
9	82	44	VAL	2.6
23	2L	24	C	2.6
26	14	531	C	2.6
26	14	543	C	2.6

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Mol	Chain	Res	Type	RSRZ
26	14	1181	C	2.6
46	H8	135	GLU	2.6
11	2A	12	ARG	2.6
29	29	68	ALA	2.6
33	69	79	ILE	2.5
46	D5	137	ILE	2.5
28	19	6	PHE	2.5
1	13	1040	U	2.5
1	1G	1073	U	2.5
26	1H	1963	U	2.5
26	14	405	U	2.5
53	O8	13	CYS	2.5
3	22	91	LEU	2.5
45	C5	31	LEU	2.5
1	13	260	G	2.5
1	1G	1144	G	2.5
5	42	47	LYS	2.5
7	62	78	ARG	2.5
12	3I	18	VAL	2.5
24	3K	71	G	2.5
26	1H	363(D)	G	2.5
26	1H	2661	G	2.5
26	1H	2663	G	2.5
26	14	975	G	2.5
26	14	2125	G	2.5
26	14	2155	G	2.5
35	25	80	ASP	2.5
45	C5	45	VAL	2.5
9	82	45	ALA	2.5
26	1H	2040	C	2.5
26	1H	2111	C	2.5
26	14	2466	C	2.5
2	12	40	HIS	2.5
45	G8	35	TYR	2.5
53	K5	49	HIS	2.5
3	2E	112	SER	2.5
1	13	801	U	2.5
1	1G	1240	U	2.5
8	7E	55	GLY	2.5
26	14	1621	U	2.5
30	39	20	LEU	2.5
30	39	24	LEU	2.5

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Mol	Chain	Res	Type	RSRZ
30	39	196	LEU	2.5
37	45	30	GLY	2.5
48	F5	38	SER	2.5
23	2K	34	U	2.5
24	1L	59	U	2.5
8	7E	46	LYS	2.5
10	1I	80	LYS	2.5
48	F5	14	VAL	2.5
10	1A	69	ASN	2.5
8	7E	6	ILE	2.5
1	1G	974	A	2.5
26	1H	2675	A	2.5
27	1J	58	A	2.5
1	13	159	G	2.5
1	13	394	G	2.5
1	13	396	G	2.5
1	13	1530	G	2.5
1	1G	1526	G	2.5
24	3K	28	G	2.5
24	1L	15	G	2.5
24	1L	24	G	2.5
24	3L	24	G	2.5
26	1H	638	G	2.5
26	1H	660	G	2.5
26	1H	1002	G	2.5
26	1H	1678	G	2.5
26	1H	2182	G	2.5
26	14	869	G	2.5
26	14	1630	G	2.5
26	14	2162	G	2.5
2	12	159	PRO	2.5
6	5E	56	PRO	2.5
32	51	173	PRO	2.5
37	88	78	PRO	2.5
52	J5	23	HIS	2.5
1	13	135	C	2.5
1	13	345	C	2.5
20	BA	30	LYS	2.5
42	D8	85	LYS	2.5
46	H8	76	LEU	2.5
47	E5	77	ARG	2.5
53	O8	9	LEU	2.5

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Mol	Chain	Res	Type	RSRZ
26	1H	1320	C	2.5
26	1H	2774	C	2.5
26	14	654(E)	C	2.5
26	14	736	C	2.5
26	14	949	C	2.5
33	69	13	GLY	2.5
39	A8	45	GLY	2.5
9	82	124	GLN	2.5
32	59	63	SER	2.5
6	5E	88	VAL	2.5
34	15	98	VAL	2.5
42	95	72	VAL	2.5
13	4I	2	ALA	2.5
13	4A	75	ALA	2.5
20	BI	94	ALA	2.5
29	29	162	ALA	2.5
43	A5	93	ALA	2.5
1	13	950	U	2.5
1	13	1240	U	2.5
17	8I	49	GLU	2.5
24	3L	60	U	2.5
26	1H	1033	U	2.5
26	14	1976	U	2.5
37	45	38	GLU	2.5
39	65	107	GLU	2.5
30	39	90	PHE	2.5
33	61	23	PRO	2.5
2	12	149	LEU	2.5
28	19	69	ARG	2.5
31	41	47	LYS	2.5
32	59	23	ARG	2.5
48	F5	78	LYS	2.5
53	K5	17	LYS	2.5
55	Q8	26	LYS	2.5
1	13	767	A	2.5
1	1G	185	A	2.5
26	1H	655	A	2.5
26	14	1439	A	2.5
26	14	1755	A	2.5
30	31	150	GLY	2.5
32	51	14	GLY	2.5
36	78	66	GLY	2.5

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Mol	Chain	Res	Type	RSRZ
42	D8	8	GLY	2.5
48	F5	84	GLY	2.5
1	1G	347	G	2.5
1	1G	658	G	2.5
1	1G	1139	G	2.5
14	5A	10	ALA	2.5
26	1H	1055	G	2.5
26	1H	2165	G	2.5
26	14	956	G	2.5
26	14	2659	G	2.5
26	14	2893	G	2.5
33	69	39	ALA	2.5
36	78	131	SER	2.5
37	45	140	ALA	2.5
39	65	53	SER	2.5
1	13	1019	C	2.5
8	7E	132	GLU	2.5
26	1H	273(D)	C	2.5
26	1H	273(F)	C	2.5
26	1H	1178	C	2.5
26	14	2465	C	2.5
9	8E	105	ASP	2.5
38	55	47	PHE	2.5
53	K5	26	ASN	2.5
1	1G	723	U	2.5
16	7A	69	THR	2.5
23	2L	34	U	2.5
24	3L	32	U	2.5
26	1H	59	U	2.5
36	35	58	THR	2.5
13	4A	65	LYS	2.5
37	45	130	LYS	2.5
3	22	47	LEU	2.5
51	M8	55	ARG	2.5
3	2E	193	TYR	2.5
20	BI	16	HIS	2.5
28	19	223	GLY	2.5
10	1A	34	VAL	2.5
30	39	4	VAL	2.5
32	51	99	VAL	2.5
37	45	45	GLN	2.5
18	9I	20	ALA	2.4

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Mol	Chain	Res	Type	RSRZ
9	8E	81	ILE	2.4
1	13	149	A	2.4
26	1H	390	A	2.4
36	78	74	GLU	2.4
2	12	55	PHE	2.4
20	BA	17	ARG	2.4
28	11	203	ASN	2.4
35	68	29	ASN	2.4
1	13	1527	C	2.4
1	1G	41	G	2.4
2	1E	187	LEU	2.4
2	12	103	THR	2.4
9	8E	7	THR	2.4
22	1K	27	G	2.4
23	2L	65	G	2.4
26	1H	1091	G	2.4
26	1H	1933	G	2.4
26	14	219	G	2.4
26	14	549	G	2.4
26	14	880	G	2.4
26	14	1465	G	2.4
26	14	2210	G	2.4
26	14	2640	G	2.4
33	61	9	LEU	2.4
39	A8	110	LEU	2.4
32	59	10	PRO	2.4
33	69	134	PRO	2.4
42	95	36	PRO	2.4
1	13	367	U	2.4
1	1G	813	U	2.4
10	1I	62	HIS	2.4
16	7A	39	TYR	2.4
26	14	1520	U	2.4
26	14	1535	U	2.4
3	22	130	VAL	2.4
33	69	145	VAL	2.4
42	95	52	VAL	2.4
11	2A	13	GLN	2.4
20	BA	94	ALA	2.4
48	J8	77	ALA	2.4
31	41	99	MET	2.4
30	31	56	GLU	2.4

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Mol	Chain	Res	Type	RSRZ
37	45	80	GLU	2.4
14	5I	31	ARG	2.4
36	35	111	ARG	2.4
38	55	2	ARG	2.4
53	K5	38	LYS	2.4
2	12	155	LEU	2.4
39	65	58	LEU	2.4
49	K8	16	LEU	2.4
1	1G	228	A	2.4
1	1G	1151	A	2.4
1	1G	1167	A	2.4
1	1G	1201	A	2.4
2	12	107	THR	2.4
23	2L	22	A	2.4
26	1H	896	A	2.4
26	1H	1046	A	2.4
33	69	76	THR	2.4
33	61	134	PRO	2.4
7	62	44	TYR	2.4
30	39	99	TYR	2.4
31	49	70	VAL	2.4
38	98	13	HIS	2.4
39	A8	108	GLY	2.4
1	13	612	C	2.4
1	13	984	C	2.4
1	1G	1114	C	2.4
1	1G	1320	C	2.4
1	13	46	G	2.4
1	13	333	G	2.4
1	13	1508	G	2.4
1	1G	251	G	2.4
1	1G	1136	U	2.4
8	72	134	ILE	2.4
26	1H	2385	C	2.4
26	14	377	C	2.4
26	14	1464	C	2.4
28	11	224	ALA	2.4
26	14	298	G	2.4
26	14	381	G	2.4
26	14	860	U	2.4
26	14	2113	U	2.4
32	51	4	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
32	51	136	ILE	2.4
37	45	64	ILE	2.4
40	75	94	ALA	2.4
26	1H	391	G	2.4
54	L5	36	GLN	2.4
5	4E	45	PHE	2.4
17	8A	75	ARG	2.4
39	A8	8	GLU	2.4
51	M8	62	ARG	2.4
4	32	21	LEU	2.4
12	3I	37	CYS	2.4
30	39	125	LEU	2.4
50	H5	28	LEU	2.4
7	6E	156	TRP	2.4
28	19	192	THR	2.4
19	AA	9	VAL	2.4
32	59	137	ASP	2.4
2	1E	16	HIS	2.4
1	13	611	A	2.4
1	13	1170	A	2.4
1	13	1176	A	2.4
1	1G	1169	A	2.4
1	1G	1179	A	2.4
14	5I	7	ILE	2.4
28	19	2	ALA	2.4
29	29	197	ILE	2.4
30	39	49	ALA	2.4
34	15	18	ALA	2.4
24	3L	14	A	2.4
26	1H	2158	A	2.4
26	14	529	A	2.4
26	14	1272	A	2.4
40	B8	42	ILE	2.4
17	8I	87	LYS	2.4
32	59	139	GLN	2.4
41	85	36	ARG	2.4
46	H8	88	PHE	2.4
1	13	883	C	2.4
1	13	1140	C	2.4
1	13	1322	C	2.4
1	13	1367	C	2.4
1	1G	554	C	2.4

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Mol	Chain	Res	Type	RSRZ
1	1G	827	U	2.4
2	1E	215	LEU	2.4
4	32	58	LEU	2.4
26	1H	886	C	2.4
26	1H	1090	U	2.4
26	1H	1104	C	2.4
26	1H	2538	C	2.4
26	14	1092	C	2.4
26	14	1547	C	2.4
32	59	127	GLU	2.4
42	D8	38	LEU	2.4
1	13	41	G	2.4
1	13	760	G	2.4
1	13	825	G	2.4
1	1G	255	G	2.4
26	1H	2640	G	2.4
26	1H	2780	G	2.4
26	14	1036	G	2.4
7	62	75	VAL	2.4
28	19	3	VAL	2.4
3	2E	29	TYR	2.4
7	6E	45	ASP	2.4
11	2A	86	GLY	2.4
20	BI	102	GLY	2.4
32	59	5	GLY	2.4
34	58	56	ASN	2.4
39	A8	109	GLY	2.4
41	C8	43	GLY	2.4
41	85	97	ASP	2.4
52	J5	22	HIS	2.4
3	2E	160	ALA	2.4
3	22	84	ILE	2.4
8	7E	58	TYR	2.4
11	2A	74	ALA	2.4
37	88	49	ALA	2.4
2	1E	27	LYS	2.4
55	Q8	21	LYS	2.4
36	35	79	ARG	2.4
18	9I	31	LEU	2.4
33	69	75	LEU	2.4
1	1G	828	A	2.4
17	8A	49	GLU	2.4

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Mol	Chain	Res	Type	RSRZ
26	1H	872	A	2.4
26	1H	2713	A	2.4
26	14	590	A	2.4
26	14	2267	A	2.4
26	14	2336	A	2.4
1	13	164	U	2.4
3	22	153	VAL	2.4
15	6I	60	VAL	2.4
26	1H	1688	U	2.4
26	14	1035	U	2.4
51	M8	21	VAL	2.4
1	13	620	C	2.3
1	13	877	C	2.3
1	13	1317	C	2.3
1	1G	1369	C	2.3
3	22	165	THR	2.3
24	3L	3	C	2.3
24	3L	13	C	2.3
26	1H	654(F)	C	2.3
26	1H	790	C	2.3
26	1H	2699	C	2.3
26	14	589	C	2.3
28	19	216	GLY	2.3
29	29	105	THR	2.3
42	95	48	GLY	2.3
44	F8	86	GLY	2.3
47	E5	73	GLY	2.3
2	12	127	ILE	2.3
15	6A	51	HIS	2.3
28	19	39	LYS	2.3
31	41	75	LYS	2.3
36	35	39	LYS	2.3
47	E5	19	LYS	2.3
48	J8	91	LYS	2.3
30	39	7	TYR	2.3
32	51	60	ARG	2.3
46	H8	99	TYR	2.3
35	68	112	MET	2.3
1	13	255	G	2.3
22	1K	15	G	2.3
26	1H	2545	G	2.3
26	1H	2641	G	2.3

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Mol	Chain	Res	Type	RSRZ
26	14	1169	G	2.3
38	55	65	LEU	2.3
39	65	29	PHE	2.3
43	A5	19	LEU	2.3
48	F5	85	LEU	2.3
49	K8	3	LEU	2.3
16	7A	83	GLU	2.3
33	69	70	GLU	2.3
37	88	112	GLU	2.3
12	3I	83	VAL	2.3
32	51	11	VAL	2.3
3	2E	109	PRO	2.3
1	13	1269	A	2.3
3	2E	167	TRP	2.3
8	72	101	PRO	2.3
33	69	32	PRO	2.3
34	58	86	PRO	2.3
34	58	126	PRO	2.3
5	42	57	LYS	2.3
9	82	95	LYS	2.3
19	AA	68	GLY	2.3
20	BI	34	LYS	2.3
26	1H	2031	A	2.3
26	14	1177	A	2.3
36	35	46	LYS	2.3
4	32	158	ILE	2.3
5	4E	89	ILE	2.3
40	75	54	ARG	2.3
18	9A	60	ALA	2.3
43	E8	111	HIS	2.3
45	G8	105	ALA	2.3
46	D5	124	ILE	2.3
4	3E	138	TYR	2.3
11	2I	117	ASN	2.3
16	7A	32	TYR	2.3
26	14	33	U	2.3
1	13	328	C	2.3
1	13	1424	C	2.3
1	13	1463	C	2.3
1	1G	817	C	2.3
1	1G	1128	C	2.3
9	82	59	PHE	2.3

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Mol	Chain	Res	Type	RSRZ
10	1I	71	LEU	2.3
17	8I	43	LEU	2.3
18	9A	66	LEU	2.3
24	1L	49	C	2.3
24	3L	2	C	2.3
26	1H	574	C	2.3
26	1H	737	C	2.3
26	1H	1660	C	2.3
26	14	1644	C	2.3
26	14	2294	C	2.3
33	61	31	LEU	2.3
4	32	160	GLN	2.3
37	45	141	GLN	2.3
46	D5	118	GLN	2.3
1	13	625	G	2.3
1	13	769	G	2.3
1	13	1186	G	2.3
1	1G	158	G	2.3
9	82	108	VAL	2.3
26	1H	556	G	2.3
26	1H	1296	G	2.3
26	1H	1328	G	2.3
26	1H	2697	G	2.3
26	1H	2717	G	2.3
26	14	425	G	2.3
26	14	656	G	2.3
26	14	1998	G	2.3
30	39	57	VAL	2.3
53	K5	52	VAL	2.3
3	22	4	LYS	2.3
20	BA	68	LYS	2.3
44	B5	62	LYS	2.3
4	32	142	PRO	2.3
7	6E	3	ARG	2.3
46	H8	167	PRO	2.3
7	62	120	ILE	2.3
39	65	35	ILE	2.3
44	B5	94	GLY	2.3
46	D5	26	GLY	2.3
6	5E	49	ALA	2.3
20	BA	77	ALA	2.3
28	19	226	MET	2.3

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Mol	Chain	Res	Type	RSRZ
37	88	123	HIS	2.3
46	D5	29	TYR	2.3
5	4E	31	LEU	2.3
48	J8	82	LEU	2.3
1	13	977	A	2.3
1	1G	766	A	2.3
15	6A	15	PHE	2.3
18	9A	43	PHE	2.3
26	14	390	A	2.3
26	14	571	A	2.3
26	14	1301	A	2.3
24	1L	60	U	2.3
26	1H	1058	U	2.3
26	1H	2546	U	2.3
26	14	2689	U	2.3
38	55	71	GLN	2.3
40	B8	90	GLN	2.3
55	M5	56	GLU	2.3
1	1G	1217	C	2.3
7	6E	80	VAL	2.3
20	BI	30	LYS	2.3
26	1H	654(M)	C	2.3
26	1H	2767	C	2.3
26	14	544	C	2.3
26	14	856	C	2.3
26	14	1741	C	2.3
29	21	69	LYS	2.3
3	2E	14	ILE	2.3
14	5A	54	PRO	2.3
16	7A	33	ILE	2.3
18	9I	80	PRO	2.3
19	AI	59	PRO	2.3
2	12	218	ALA	2.3
29	29	187	ALA	2.3
31	41	50	ALA	2.3
39	65	6	ALA	2.3
44	F8	84	ALA	2.3
17	8A	82	MET	2.3
3	22	101	LEU	2.3
4	32	125	HIS	2.3
16	7A	6	LEU	2.3
17	8A	6	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
37	88	37	LEU	2.3
1	13	113	G	2.3
1	1G	232	G	2.3
1	1G	1124	G	2.3
1	1G	1160	G	2.3
1	1G	1182	G	2.3
26	1H	58	G	2.3
26	1H	2672	G	2.3
26	14	281	G	2.3
26	14	522	G	2.3
26	14	1416	G	2.3
26	14	1653	G	2.3
26	14	2655	G	2.3
27	1J	61	G	2.3
32	51	157	TYR	2.3
39	A8	7	TYR	2.3
32	51	123	PHE	2.3
9	82	97	LYS	2.3
31	41	36	LYS	2.3
35	25	18	LYS	2.3
1	13	151	A	2.3
1	1G	10	A	2.3
5	42	107	ARG	2.3
12	3A	18	VAL	2.3
38	98	8	ARG	2.3
46	D5	74	VAL	2.3
52	J5	16	ARG	2.3
24	3K	32	U	2.3
26	14	969	U	2.3
26	14	2109	U	2.3
13	4I	4	ILE	2.3
16	7I	33	ILE	2.3
33	61	97	ILE	2.3
40	B8	102	ILE	2.3
5	42	23	GLY	2.3
9	82	8	GLY	2.3
30	39	109	GLY	2.3
45	C5	105	ALA	2.3
26	1H	697	C	2.3
26	1H	867	C	2.3
26	1H	1370	C	2.3
26	14	591	C	2.3

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Mol	Chain	Res	Type	RSRZ
26	14	1589	C	2.3
26	14	2175	C	2.3
45	G8	106	LEU	2.3
55	M5	61	LEU	2.3
29	29	66	HIS	2.3
37	45	123	HIS	2.3
53	O8	49	HIS	2.3
5	4E	133	TYR	2.3
8	72	58	TYR	2.3
3	2E	45	LYS	2.3
32	51	175	LYS	2.3
35	68	5	GLN	2.3
48	J8	78	LYS	2.3
4	32	139	ARG	2.3
38	55	68	ARG	2.3
12	3A	40	VAL	2.3
30	31	173	VAL	2.3
30	39	88	VAL	2.3
32	59	15	VAL	2.3
32	59	45	VAL	2.3
34	15	122	VAL	2.3
37	45	31	ASP	2.3
33	61	99	GLU	2.2
1	13	351	G	2.2
1	13	610	G	2.2
1	1G	73	G	2.2
1	1G	309	G	2.2
1	1G	474	G	2.2
1	1G	1009	G	2.2
24	3K	44	G	2.2
24	3L	44	G	2.2
26	1H	881	G	2.2
27	16	82	G	2.2
31	41	77	ILE	2.2
9	82	72	GLY	2.2
35	68	72	PRO	2.2
12	3A	26	ALA	2.2
43	A5	3	ALA	2.2
52	J5	53	ALA	2.2
1	13	223	U	2.2
1	13	983	A	2.2
1	1G	1219	U	2.2

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Mol	Chain	Res	Type	RSRZ
20	BI	43	LEU	2.2
20	BA	99	LEU	2.2
26	1H	1659	U	2.2
26	1H	2662	A	2.2
26	14	911	A	2.2
26	14	960	A	2.2
26	14	2758	A	2.2
32	59	33	LEU	2.2
39	65	110	LEU	2.2
2	1E	152	PHE	2.2
2	1E	163	PHE	2.2
28	19	96	HIS	2.2
29	29	24	THR	2.2
45	G8	89	PHE	2.2
55	Q8	48	PHE	2.2
14	5A	4	LYS	2.2
29	21	160	TYR	2.2
43	A5	98	LYS	2.2
1	13	578	C	2.2
1	13	1008	C	2.2
1	13	1129	C	2.2
1	13	1234	C	2.2
4	3E	3	ARG	2.2
26	1H	277	C	2.2
26	1H	654(G)	C	2.2
26	14	1049	C	2.2
26	14	1656	C	2.2
26	14	1734	C	2.2
40	75	115	ARG	2.2
48	F5	11	ARG	2.2
2	1E	230	VAL	2.2
13	4I	101	GLN	2.2
16	7I	79	VAL	2.2
32	59	44	VAL	2.2
33	69	92	VAL	2.2
50	H5	59	VAL	2.2
53	K5	20	ASN	2.2
30	39	78	ILE	2.2
3	22	196	LEU	2.2
5	42	22	GLY	2.2
5	42	42	GLY	2.2
10	1A	71	LEU	2.2

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Mol	Chain	Res	Type	RSRZ
28	19	247	ALA	2.2
34	15	116	LEU	2.2
40	B8	47	GLY	2.2
40	B8	97	ALA	2.2
40	75	114	LEU	2.2
52	N8	50	GLY	2.2
10	1I	7	LYS	2.2
10	1A	11	PHE	2.2
1	13	941	G	2.2
22	1K	44	G	2.2
26	1H	1492	G	2.2
26	14	101	G	2.2
26	14	1473	G	2.2
26	14	2133	G	2.2
35	25	31	LYS	2.2
41	C8	34	LYS	2.2
41	85	72	HIS	2.2
42	95	69	LYS	2.2
45	G8	71	LYS	2.2
45	G8	83	THR	2.2
55	Q8	29	LYS	2.2
1	1G	323	U	2.2
1	1G	982	U	2.2
4	3E	66	ARG	2.2
24	3K	66	U	2.2
26	1H	639	U	2.2
26	1H	2109	U	2.2
26	14	270(L)	U	2.2
26	14	383	U	2.2
26	14	1300	U	2.2
28	11	244	ARG	2.2
42	95	12	TYR	2.2
52	J5	51	TYR	2.2
1	13	101	A	2.2
1	1G	1289	A	2.2
19	AA	38	SER	2.2
23	2K	60	A	2.2
2	12	197	VAL	2.2
28	11	221	VAL	2.2
29	21	198	VAL	2.2
43	E8	85	VAL	2.2
3	22	107	GLN	2.2

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Mol	Chain	Res	Type	RSRZ
31	49	138	GLN	2.2
44	F8	82	GLN	2.2
45	G8	99	CYS	2.2
53	O8	40	CYS	2.2
1	13	132	C	2.2
22	1K	13	C	2.2
26	1H	273(C)	C	2.2
26	1H	736	C	2.2
26	1H	915	C	2.2
26	1H	2829	C	2.2
26	14	902	C	2.2
26	14	2701	C	2.2
10	1I	26	ALA	2.2
10	1A	37	PRO	2.2
19	AI	68	GLY	2.2
31	49	82	LEU	2.2
33	69	65	ALA	2.2
36	35	11	GLY	2.2
36	35	59	LEU	2.2
41	85	41	ALA	2.2
42	95	67	GLY	2.2
48	F5	15	ALA	2.2
50	H5	23	LEU	2.2
29	29	64	LYS	2.2
41	C8	32	PHE	2.2
45	C5	60	PHE	2.2
9	8E	103	THR	2.2
2	12	31	TYR	2.2
37	45	27	VAL	2.2
41	C8	90	VAL	2.2
20	BA	82	SER	2.2
1	13	1065	U	2.2
1	13	1257	U	2.2
24	1L	54	U	2.2
2	12	68	ILE	2.2
1	13	332	G	2.2
1	13	1102	A	2.2
1	13	1353	G	2.2
1	1G	942	G	2.2
26	1H	16	G	2.2
26	1H	536	A	2.2
26	1H	880	G	2.2

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Mol	Chain	Res	Type	RSRZ
3	2E	42	LEU	2.2
26	1H	1471	A	2.2
26	1H	2030	A	2.2
26	1H	2171	A	2.2
26	14	1343	G	2.2
26	14	2182	G	2.2
26	14	2892	A	2.2
27	1J	23	G	2.2
28	11	119	ALA	2.2
32	59	41	MET	2.2
36	78	115	LEU	2.2
37	45	2	LEU	2.2
39	65	48	LEU	2.2
46	H8	67	LEU	2.2
2	1E	202	PRO	2.2
4	32	69	GLY	2.2
7	62	127	ALA	2.2
14	5I	27	CYS	2.2
20	BA	47	GLY	2.2
36	35	78	PRO	2.2
45	C5	102	CYS	2.2
43	A5	16	LYS	2.2
53	K5	45	LYS	2.2
32	59	109	PHE	2.2
1	13	369	C	2.2
1	13	882	C	2.2
1	13	1509	C	2.2
26	1H	654(I)	C	2.2
26	1H	1092	C	2.2
26	14	837	C	2.2
26	14	1599	C	2.2
26	14	2791	C	2.2
27	16	12	C	2.2
5	4E	41	VAL	2.2
16	7I	20	VAL	2.2
46	D5	139	VAL	2.2
2	1E	222	ILE	2.2
7	62	50	ILE	2.2
11	2A	48	ILE	2.2
20	BA	70	SER	2.2
29	21	95	ILE	2.2
29	21	197	ILE	2.2

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Mol	Chain	Res	Type	RSRZ
38	55	14	SER	2.2
43	A5	103	ILE	2.2
52	J5	12	SER	2.2
33	69	72	LEU	2.2
34	58	82	LEU	2.2
20	BI	66	ALA	2.2
33	61	53	ALA	2.2
35	68	45	GLU	2.2
45	C5	34	LYS	2.2
47	E5	33	ALA	2.2
1	13	14	U	2.2
14	5I	55	GLY	2.2
26	14	270(M)	U	2.2
29	29	138	PRO	2.2
30	39	131	GLY	2.2
48	F5	36	GLY	2.2
20	BI	23	ARG	2.2
1	1G	161	A	2.2
26	14	5	A	2.2
26	14	2274	A	2.2
1	13	346	G	2.2
1	13	1002	G	2.2
1	13	1033	G	2.2
1	13	1124	G	2.2
1	13	1143	G	2.2
1	13	1523	G	2.2
1	1G	1142	G	2.2
1	1G	1482	G	2.2
26	1H	629	G	2.2
26	1H	869	G	2.2
26	1H	1687	G	2.2
26	1H	2141	G	2.2
26	14	654(P)	G	2.2
26	14	654(S)	G	2.2
26	14	1131	G	2.2
26	14	1831	G	2.2
26	14	2891	G	2.2
30	39	39	TRP	2.2
55	M5	34	TRP	2.2
41	85	49	HIS	2.2
13	4I	117	VAL	2.1
32	59	49	VAL	2.1

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Mol	Chain	Res	Type	RSRZ
33	69	129	THR	2.1
52	J5	31	VAL	2.1
2	12	92	TYR	2.1
8	7E	94	TYR	2.1
9	82	92	TYR	2.1
11	2A	50	TYR	2.1
17	8I	51	TYR	2.1
1	13	314	C	2.1
1	1G	1019	C	2.1
1	1G	1045	C	2.1
1	1G	1165	C	2.1
18	9I	75	ILE	2.1
23	2L	40	C	2.1
24	3L	56	C	2.1
26	1H	1100	C	2.1
26	14	546	C	2.1
26	14	1350	C	2.1
26	14	1556	C	2.1
26	14	2356	C	2.1
26	14	2767	C	2.1
2	1E	51	LEU	2.1
2	12	138	LEU	2.1
7	62	12	LEU	2.1
14	5A	53	LEU	2.1
19	AI	22	LEU	2.1
20	BI	104	LEU	2.1
3	22	135	LYS	2.1
8	7E	87	SER	2.1
9	82	122	ALA	2.1
12	3A	50	SER	2.1
32	59	85	LYS	2.1
39	65	52	SER	2.1
53	O8	38	LYS	2.1
14	5I	2	ALA	2.1
17	8I	30	PRO	2.1
20	BI	22	ARG	2.1
20	BI	98	PRO	2.1
29	21	111	ARG	2.1
34	15	113	GLY	2.1
37	88	122	GLY	2.1
39	65	45	GLY	2.1
42	D8	50	PRO	2.1

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Mol	Chain	Res	Type	RSRZ
46	H8	81	ARG	2.1
46	D5	72	ARG	2.1
20	BA	9	ASN	2.1
33	69	43	ASN	2.1
2	12	17	PHE	2.1
1	13	961	U	2.1
2	12	195	ASP	2.1
8	72	25	ASP	2.1
26	1H	969	U	2.1
26	1H	1101	U	2.1
18	9I	22	VAL	2.1
30	31	37	VAL	2.1
32	59	26	VAL	2.1
32	59	76	VAL	2.1
46	H8	58	VAL	2.1
11	2I	41	THR	2.1
1	13	196	A	2.1
1	1G	559	A	2.1
1	1G	1280	A	2.1
2	12	42	ILE	2.1
24	3L	21	A	2.1
26	1H	528	A	2.1
26	14	572	A	2.1
26	14	1655	A	2.1
26	14	2134	A	2.1
33	61	120	ILE	2.1
41	85	24	TYR	2.1
46	D5	146	ILE	2.1
7	62	29	LYS	2.1
11	2A	103	LEU	2.1
32	51	103	LEU	2.1
34	15	118	LYS	2.1
38	98	20	LEU	2.1
49	G5	10	LEU	2.1
1	13	292	G	2.1
1	13	944	G	2.1
1	1G	886	G	2.1
1	1G	1386	G	2.1
4	3E	65	ARG	2.1
23	2K	12	G	2.1
26	1H	1099	G	2.1
26	14	474	G	2.1

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Mol	Chain	Res	Type	RSRZ
26	14	1619	G	2.1
26	14	2029	G	2.1
27	1J	7	G	2.1
46	H8	28	MET	2.1
5	4E	134	ALA	2.1
11	2I	89	ALA	2.1
28	19	90	ALA	2.1
33	61	59	ALA	2.1
34	58	92	ALA	2.1
43	E8	74	ALA	2.1
49	G5	59	ARG	2.1
4	3E	167	GLY	2.1
5	4E	22	GLY	2.1
1	13	624	C	2.1
1	1G	930	C	2.1
6	52	56	PRO	2.1
13	4A	69	GLU	2.1
16	7I	10	GLY	2.1
20	BA	51	GLU	2.1
29	29	139	GLY	2.1
31	49	89	GLY	2.1
44	B5	61	GLY	2.1
48	J8	86	SER	2.1
24	3L	25	C	2.1
26	1H	2136	C	2.1
26	1H	2610	C	2.1
26	14	1934	C	2.1
26	14	2129	C	2.1
52	N8	34	PRO	2.1
52	J5	34	PRO	2.1
12	3A	66	VAL	2.1
28	11	99	ASP	2.1
34	58	46	VAL	2.1
3	22	39	ILE	2.1
9	82	64	THR	2.1
9	82	62	TYR	2.1
15	6I	34	LEU	2.1
17	8I	32	TYR	2.1
26	1H	273(E)	U	2.1
26	1H	2528	U	2.1
32	59	98	LEU	2.1
36	35	32	THR	2.1

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Mol	Chain	Res	Type	RSRZ
37	45	21	THR	2.1
42	95	84	LYS	2.1
43	A5	110	LYS	2.1
45	C5	44	ILE	2.1
48	F5	71	TYR	2.1
55	M5	52	LYS	2.1
12	3I	128	ALA	2.1
19	AI	75	ALA	2.1
40	75	43	GLN	2.1
41	85	71	GLN	2.1
1	13	1169	A	2.1
3	22	143	GLU	2.1
4	32	37	PRO	2.1
12	3I	5	PRO	2.1
24	3K	26	A	2.1
26	1H	1302	A	2.1
26	1H	2660	A	2.1
34	58	111	PRO	2.1
51	M8	41	PRO	2.1
2	1E	105	PHE	2.1
37	45	89	ASN	2.1
1	13	181	G	2.1
1	13	731	G	2.1
26	1H	593	G	2.1
26	1H	654(O)	G	2.1
26	1H	1059	G	2.1
26	14	593	G	2.1
26	14	738	G	2.1
26	14	1643	G	2.1
46	D5	141	VAL	2.1
1	13	106	C	2.1
1	13	163	C	2.1
1	13	745	C	2.1
1	1G	342	C	2.1
1	1G	1132	C	2.1
26	1H	4	C	2.1
26	14	654(F)	C	2.1
32	59	140	LYS	2.1
32	59	158	HIS	2.1
33	61	110	ASP	2.1
37	88	76	LYS	2.1
2	12	58	ILE	2.1

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Mol	Chain	Res	Type	RSRZ
19	AA	49	ILE	2.1
7	6E	44	TYR	2.1
9	82	27	THR	2.1
13	4I	105	THR	2.1
19	AA	39	THR	2.1
29	29	144	ARG	2.1
38	98	105	ARG	2.1
31	41	11	TYR	2.1
41	85	47	TYR	2.1
19	AA	24	ALA	2.1
32	51	150	ALA	2.1
39	65	86	ALA	2.1
39	65	105	ALA	2.1
1	1G	955	U	2.1
22	1K	66	U	2.1
23	2L	48	U	2.1
26	14	895	U	2.1
31	49	134	GLY	2.1
12	3A	94	PRO	2.1
33	61	137	PRO	2.1
10	1I	59	SER	2.1
30	39	15	SER	2.1
8	7E	103	VAL	2.1
43	A5	59	VAL	2.1
44	F8	51	VAL	2.1
24	3L	23	A	2.1
29	29	154	LYS	2.1
34	58	104	LYS	2.1
4	32	49	ARG	2.1
10	1I	38	ILE	2.1
16	7I	8	ARG	2.1
19	AI	78	ARG	2.1
20	BA	43	LEU	2.1
16	7I	68	ASP	2.1
8	72	135	CYS	2.1
30	31	100	THR	2.1
47	E5	53	MET	2.1
1	13	174	C	2.1
1	13	586	C	2.1
1	1G	985	C	2.1
24	3K	3	C	2.1
26	1H	659	C	2.1

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Mol	Chain	Res	Type	RSRZ
26	1H	1350	C	2.1
26	1H	2701	C	2.1
26	14	129	C	2.1
26	14	2691	C	2.1
26	1H	1107	G	2.1
26	14	602	G	2.1
26	14	1154	G	2.1
26	14	2472	G	2.1
45	G8	65	ALA	2.1
21	1F	2	GLY	2.1
31	41	13	GLU	2.1
31	41	45	GLU	2.1
32	59	124	GLU	2.1
39	65	112	PHE	2.1
45	G8	66	PRO	2.1
48	J8	60	PHE	2.1
52	J5	27	PRO	2.1
1	13	1135	U	2.0
1	1G	580	U	2.0
10	1A	55	LYS	2.0
22	1K	60	U	2.0
24	1L	55	U	2.0
26	1H	9	U	2.0
26	14	1438	U	2.0
26	14	2265	U	2.0
31	41	159	VAL	2.0
32	51	144	VAL	2.0
38	55	74	LYS	2.0
39	65	46	VAL	2.0
42	95	10	LYS	2.0
42	95	51	VAL	2.0
46	D5	96	VAL	2.0
49	K8	63	VAL	2.0
12	3I	22	SER	2.0
48	F5	17	SER	2.0
5	42	112	LEU	2.0
9	8E	66	ARG	2.0
14	5I	29	ARG	2.0
15	6A	39	LEU	2.0
17	8A	74	LEU	2.0
21	1F	6	ARG	2.0
30	31	106	ARG	2.0

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Mol	Chain	Res	Type	RSRZ
30	39	9	ILE	2.0
31	41	103	LEU	2.0
32	59	97	ARG	2.0
35	68	17	ARG	2.0
40	B8	111	ARG	2.0
45	G8	96	ILE	2.0
15	6I	58	MET	2.0
28	11	226	MET	2.0
28	11	233	HIS	2.0
1	13	282	A	2.0
1	13	780	A	2.0
1	13	1503	A	2.0
1	1G	383	A	2.0
2	1E	148	TYR	2.0
3	22	100	ALA	2.0
7	62	116	ALA	2.0
9	8E	5	TYR	2.0
26	14	821	A	2.0
26	14	1048	A	2.0
26	14	1174	A	2.0
26	14	1554	A	2.0
26	14	2778	A	2.0
28	11	230	ASP	2.0
30	39	42	ALA	2.0
46	D5	173	ALA	2.0
2	12	228	GLY	2.0
32	59	108	GLY	2.0
13	4I	113	PRO	2.0
1	13	18	C	2.0
1	1G	295	C	2.0
1	1G	1336	C	2.0
6	52	92	LYS	2.0
10	1I	55	LYS	2.0
10	1A	83	GLU	2.0
19	AI	6	LYS	2.0
30	39	35	GLU	2.0
31	41	14	GLU	2.0
40	B8	137	LYS	2.0
43	E8	30	GLU	2.0
9	82	28	VAL	2.0
19	AI	11	VAL	2.0
22	1K	25	C	2.0

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Mol	Chain	Res	Type	RSRZ
23	2K	75	C	2.0
26	1H	1537	C	2.0
26	1H	2295	C	2.0
26	1H	2324	C	2.0
26	14	897	C	2.0
26	14	955	C	2.0
26	14	1430	C	2.0
26	14	1463	C	2.0
44	F8	81	VAL	2.0
1	13	124	G	2.0
1	13	259	G	2.0
1	1G	266	G	2.0
1	1G	851	G	2.0
15	6I	32	LEU	2.0
20	BI	53	LEU	2.0
26	1H	636	G	2.0
26	1H	1232	G	2.0
26	1H	2706	G	2.0
26	14	573	G	2.0
26	14	2315	G	2.0
26	14	2802	G	2.0
34	58	138	LEU	2.0
38	98	67	LEU	2.0
39	65	80	LEU	2.0
40	75	96	ARG	2.0
41	85	12	ARG	2.0
18	9I	59	SER	2.0
33	61	109	ILE	2.0
36	78	133	SER	2.0
47	E5	16	SER	2.0
1	13	1049	U	2.0
1	1G	905	U	2.0
24	1L	16	U	2.0
24	1L	51	U	2.0
26	1H	757	U	2.0
26	14	822	U	2.0
11	2I	100	ALA	2.0
33	61	146	ALA	2.0
33	69	63	ALA	2.0
37	45	107	ALA	2.0
4	3E	75	PHE	2.0
5	4E	26	PHE	2.0

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Mol	Chain	Res	Type	RSRZ
10	1I	10	GLY	2.0
28	19	234	GLY	2.0
45	C5	103	GLY	2.0
5	4E	20	GLN	2.0
8	72	98	LYS	2.0
19	AA	25	LYS	2.0
36	35	8	PRO	2.0
37	88	130	LYS	2.0
41	85	30	LYS	2.0
48	F5	39	LYS	2.0
1	13	802	A	2.0
5	42	82	VAL	2.0
7	62	105	VAL	2.0
8	72	61	VAL	2.0
9	8E	9	ARG	2.0
14	5A	18	VAL	2.0
26	1H	1966	A	2.0
26	1H	2126	A	2.0
26	14	872	A	2.0
26	14	1302	A	2.0
26	14	2572	A	2.0
31	49	137	GLU	2.0
33	61	122	GLU	2.0
31	41	135	LEU	2.0
32	59	67	LEU	2.0
39	65	78	LEU	2.0
46	D5	53	ILE	2.0
1	13	186(A)	C	2.0
1	13	1189	C	2.0
1	13	1429	C	2.0
26	1H	1408	C	2.0
26	14	523	C	2.0
26	14	1549	C	2.0
27	1J	4	C	2.0
27	1J	12	C	2.0

5.2 Non-standard residues in protein, DNA, RNA chains [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
22	PSU	1K	55	20/21	0.56	0.16	153,172,191,191	0
22	7MG	1K	46	24/25	0.66	0.16	175,197,203,209	0
22	4SU	1K	8	20/21	0.69	0.15	184,192,200,205	0
23	5MU	2L	55	21/22	0.75	0.13	138,142,147,151	0
22	5MU	1K	54	21/22	0.76	0.15	142,157,168,172	0
23	PSU	2L	56	20/21	0.78	0.10	128,135,142,148	0
23	5MU	2K	55	21/22	0.79	0.16	99,116,125,136	0
23	PSU	2K	56	20/21	0.79	0.15	109,113,120,127	0
22	PSU	1K	32	20/21	0.82	0.57	113,119,123,123	0
23	7MG	2K	47	24/25	0.86	0.14	110,120,128,137	0
23	4SU	2K	8	20/21	0.87	0.18	100,108,123,123	0
23	7MG	2L	47	24/25	0.87	0.14	140,151,156,161	0
23	4SU	2L	8	20/21	0.88	0.15	128,140,143,147	0
22	PSU	1K	39	20/21	0.89	0.28	96,108,116,119	0
23	OMC	2K	33	21/22	0.94	0.24	88,94,101,106	0
22	MIA	1K	37	29/30	0.95	0.31	89,100,118,123	0
23	OMC	2L	33	21/22	0.96	0.10	124,127,132,137	0

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	14	3274	1/1	0.18	0.43	122,122,122,122	0
56	MG	14	3329	1/1	0.22	0.61	120,120,120,120	0
56	MG	1J	207	1/1	0.24	0.36	147,147,147,147	0
56	MG	14	3199	1/1	0.26	0.49	126,126,126,126	0
56	MG	1J	203	1/1	0.29	0.48	114,114,114,114	0
56	MG	1G	1604	1/1	0.30	0.32	142,142,142,142	0
56	MG	1G	1670	1/1	0.31	0.50	138,138,138,138	0
56	MG	14	3267	1/1	0.31	0.42	110,110,110,110	0
56	MG	1H	3158	1/1	0.33	0.58	104,104,104,104	0
56	MG	14	3197	1/1	0.34	0.48	119,119,119,119	0
56	MG	14	3260	1/1	0.36	0.34	119,119,119,119	0
56	MG	2K	106	1/1	0.36	0.46	115,115,115,115	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1G	1671	1/1	0.40	0.34	120,120,120,120	0
56	MG	1H	3119	1/1	0.42	0.48	101,101,101,101	0
56	MG	1G	1634	1/1	0.43	0.43	120,120,120,120	0
56	MG	1H	3304	1/1	0.44	0.56	114,114,114,114	0
56	MG	13	1621	1/1	0.45	0.42	115,115,115,115	0
56	MG	1H	3213	1/1	0.46	0.40	113,113,113,113	0
56	MG	14	3239	1/1	0.46	0.28	166,166,166,166	0
56	MG	14	3233	1/1	0.48	0.33	118,118,118,118	0
56	MG	2K	105	1/1	0.48	0.45	107,107,107,107	0
56	MG	14	3307	1/1	0.49	0.52	87,87,87,87	0
56	MG	13	1682	1/1	0.49	0.47	116,116,116,116	0
56	MG	14	3258	1/1	0.50	0.47	104,104,104,104	0
56	MG	1H	3062	1/1	0.50	0.38	101,101,101,101	0
56	MG	13	1651	1/1	0.51	0.35	100,100,100,100	0
56	MG	1J	204	1/1	0.51	0.33	113,113,113,113	0
56	MG	14	3066	1/1	0.51	0.49	96,96,96,96	0
56	MG	13	1711	1/1	0.52	0.48	126,126,126,126	0
56	MG	14	3204	1/1	0.53	0.35	80,80,80,80	0
56	MG	1H	3268	1/1	0.53	0.30	125,125,125,125	0
56	MG	14	3146	1/1	0.53	0.28	128,128,128,128	0
56	MG	25	202	1/1	0.54	0.43	125,125,125,125	0
56	MG	14	3236	1/1	0.55	0.36	99,99,99,99	0
56	MG	14	3093	1/1	0.55	0.48	103,103,103,103	0
56	MG	1H	3011	1/1	0.55	0.47	91,91,91,91	0
56	MG	1H	3251	1/1	0.56	0.25	93,93,93,93	0
56	MG	13	1680	1/1	0.57	0.29	124,124,124,124	0
56	MG	14	3304	1/1	0.57	0.27	121,121,121,121	0
56	MG	1H	3340	1/1	0.57	0.47	93,93,93,93	0
56	MG	14	3017	1/1	0.57	0.38	91,91,91,91	0
56	MG	1H	3286	1/1	0.58	0.18	85,85,85,85	0
56	MG	1J	202	1/1	0.59	0.16	157,157,157,157	0
56	MG	1H	3326	1/1	0.59	0.48	117,117,117,117	0
56	MG	14	3216	1/1	0.59	0.43	111,111,111,111	0
56	MG	1H	3164	1/1	0.59	0.47	102,102,102,102	0
56	MG	1H	3277	1/1	0.59	0.57	109,109,109,109	0
56	MG	13	1658	1/1	0.60	0.30	117,117,117,117	0
56	MG	1H	3255	1/1	0.60	0.54	117,117,117,117	0
56	MG	14	3183	1/1	0.60	0.51	110,110,110,110	0
56	MG	1G	1651	1/1	0.60	0.21	138,138,138,138	0
56	MG	1G	1664	1/1	0.60	0.40	116,116,116,116	0
56	MG	1H	3242	1/1	0.60	0.41	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3309	1/1	0.60	0.27	96,96,96,96	0
56	MG	2L	103	1/1	0.60	0.39	115,115,115,115	0
56	MG	1H	3270	1/1	0.60	0.41	98,98,98,98	0
56	MG	14	3064	1/1	0.60	0.49	97,97,97,97	0
56	MG	1H	3275	1/1	0.60	0.42	97,97,97,97	0
56	MG	16	206	1/1	0.61	0.16	102,102,102,102	0
56	MG	1H	3227	1/1	0.61	0.26	123,123,123,123	0
56	MG	14	3268	1/1	0.61	0.33	100,100,100,100	0
56	MG	14	3286	1/1	0.62	0.38	92,92,92,92	0
56	MG	1H	3111	1/1	0.62	0.41	91,91,91,91	0
56	MG	13	1685	1/1	0.62	0.26	112,112,112,112	0
56	MG	C5	201	1/1	0.62	0.26	123,123,123,123	0
56	MG	1G	1645	1/1	0.63	0.39	113,113,113,113	0
56	MG	14	3042	1/1	0.63	0.34	87,87,87,87	0
56	MG	1H	3196	1/1	0.63	0.33	110,110,110,110	0
56	MG	14	3293	1/1	0.63	0.43	95,95,95,95	0
56	MG	14	3227	1/1	0.63	0.44	97,97,97,97	0
56	MG	1H	3149	1/1	0.63	0.37	99,99,99,99	0
56	MG	14	3308	1/1	0.63	0.36	106,106,106,106	0
56	MG	14	3202	1/1	0.64	0.56	100,100,100,100	0
56	MG	14	3022	1/1	0.65	0.40	107,107,107,107	0
56	MG	1G	1632	1/1	0.65	0.30	116,116,116,116	0
56	MG	14	3326	1/1	0.65	0.32	117,117,117,117	0
56	MG	13	1672	1/1	0.65	0.30	100,100,100,100	0
56	MG	1H	3344	1/1	0.65	0.43	95,95,95,95	0
56	MG	1G	1630	1/1	0.66	0.33	116,116,116,116	0
56	MG	1H	3028	1/1	0.66	0.46	115,115,115,115	0
56	MG	1H	3135	1/1	0.66	0.32	111,111,111,111	0
56	MG	1H	3235	1/1	0.66	0.33	75,75,75,75	0
56	MG	14	3235	1/1	0.66	0.47	83,83,83,83	0
56	MG	13	1713	1/1	0.67	0.35	119,119,119,119	0
56	MG	14	3142	1/1	0.67	0.59	100,100,100,100	0
56	MG	88	201	1/1	0.67	0.45	95,95,95,95	0
56	MG	1H	3029	1/1	0.67	0.28	110,110,110,110	0
56	MG	14	3029	1/1	0.67	0.50	97,97,97,97	0
56	MG	1G	1617	1/1	0.67	0.38	110,110,110,110	0
56	MG	13	1704	1/1	0.67	0.49	118,118,118,118	0
56	MG	1H	3143	1/1	0.67	0.41	99,99,99,99	0
56	MG	13	1629	1/1	0.68	0.42	106,106,106,106	0
56	MG	1H	3157	1/1	0.68	0.31	104,104,104,104	0
56	MG	1H	3272	1/1	0.68	0.41	96,96,96,96	0
56	MG	13	1606	1/1	0.68	0.38	115,115,115,115	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	14	3330	1/1	0.68	0.38	105,105,105,105	0
56	MG	14	3058	1/1	0.68	0.36	128,128,128,128	0
56	MG	1H	3240	1/1	0.68	0.36	94,94,94,94	0
56	MG	13	1708	1/1	0.68	0.28	119,119,119,119	0
56	MG	14	3091	1/1	0.68	0.44	87,87,87,87	0
56	MG	1H	3146	1/1	0.68	0.37	83,83,83,83	0
56	MG	1H	3200	1/1	0.68	0.35	104,104,104,104	0
56	MG	1G	1661	1/1	0.69	0.36	105,105,105,105	0
56	MG	1H	3033	1/1	0.69	0.40	100,100,100,100	0
56	MG	1G	1669	1/1	0.69	0.31	112,112,112,112	0
56	MG	14	3169	1/1	0.69	0.41	93,93,93,93	0
56	MG	13	1686	1/1	0.69	0.28	134,134,134,134	0
56	MG	13	1693	1/1	0.69	0.33	103,103,103,103	0
56	MG	13	1702	1/1	0.69	0.33	109,109,109,109	0
56	MG	14	3254	1/1	0.69	0.26	87,87,87,87	0
56	MG	13	1639	1/1	0.69	0.29	109,109,109,109	0
56	MG	1G	1628	1/1	0.70	0.33	118,118,118,118	0
56	MG	13	1654	1/1	0.70	0.24	123,123,123,123	0
56	MG	13	1717	1/1	0.70	0.31	114,114,114,114	0
56	MG	1H	3204	1/1	0.70	0.46	104,104,104,104	0
56	MG	1G	1672	1/1	0.70	0.22	126,126,126,126	0
56	MG	1H	3311	1/1	0.70	0.35	109,109,109,109	0
56	MG	1H	3322	1/1	0.70	0.24	96,96,96,96	0
56	MG	1H	3282	1/1	0.70	0.26	107,107,107,107	0
56	MG	14	3312	1/1	0.70	0.39	93,93,93,93	0
56	MG	14	3025	1/1	0.71	0.21	116,116,116,116	0
56	MG	1G	1644	1/1	0.71	0.16	115,115,115,115	0
56	MG	13	1646	1/1	0.71	0.34	104,104,104,104	0
56	MG	14	3311	1/1	0.71	0.32	89,89,89,89	0
56	MG	1H	3331	1/1	0.71	0.19	106,106,106,106	0
56	MG	14	3314	1/1	0.71	0.47	102,102,102,102	0
56	MG	1H	3310	1/1	0.71	0.56	96,96,96,96	0
56	MG	14	3327	1/1	0.71	0.35	117,117,117,117	0
56	MG	1H	3138	1/1	0.72	0.41	94,94,94,94	0
56	MG	1H	3186	1/1	0.72	0.28	93,93,93,93	0
56	MG	14	3238	1/1	0.72	0.22	110,110,110,110	0
56	MG	14	3181	1/1	0.72	0.26	100,100,100,100	0
56	MG	14	3251	1/1	0.72	0.34	105,105,105,105	0
56	MG	13	1683	1/1	0.72	0.17	106,106,106,106	0
56	MG	14	3256	1/1	0.72	0.25	97,97,97,97	0
56	MG	13	1687	1/1	0.72	0.30	109,109,109,109	0
56	MG	14	3007	1/1	0.72	0.47	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3076	1/1	0.72	0.30	93,93,93,93	0
56	MG	1H	3026	1/1	0.72	0.43	94,94,94,94	0
56	MG	14	3270	1/1	0.72	0.31	107,107,107,107	0
56	MG	13	1707	1/1	0.72	0.38	104,104,104,104	0
56	MG	14	3284	1/1	0.72	0.39	100,100,100,100	0
56	MG	14	3120	1/1	0.72	0.48	80,80,80,80	0
56	MG	13	1602	1/1	0.72	0.36	87,87,87,87	0
56	MG	14	3090	1/1	0.73	0.36	89,89,89,89	0
56	MG	14	3163	1/1	0.73	0.20	105,105,105,105	0
56	MG	14	3164	1/1	0.73	0.29	91,91,91,91	0
56	MG	14	3226	1/1	0.73	0.32	123,123,123,123	0
56	MG	1G	1673	1/1	0.73	0.26	108,108,108,108	0
56	MG	14	3232	1/1	0.73	0.41	103,103,103,103	0
56	MG	14	3175	1/1	0.73	0.40	99,99,99,99	0
56	MG	14	3178	1/1	0.73	0.33	95,95,95,95	0
56	MG	2K	107	1/1	0.73	0.46	106,106,106,106	0
56	MG	13	1669	1/1	0.73	0.42	110,110,110,110	0
56	MG	14	3194	1/1	0.73	0.42	97,97,97,97	0
56	MG	14	3121	1/1	0.73	0.34	84,84,84,84	0
56	MG	1H	3162	1/1	0.73	0.29	74,74,74,74	0
56	MG	1H	3034	1/1	0.74	0.18	96,96,96,96	0
56	MG	13	1697	1/1	0.74	0.46	97,97,97,97	0
56	MG	1H	3027	1/1	0.74	0.43	96,96,96,96	0
56	MG	14	3126	1/1	0.74	0.35	103,103,103,103	0
56	MG	1H	3246	1/1	0.74	0.38	78,78,78,78	0
56	MG	1H	3154	1/1	0.74	0.26	91,91,91,91	0
56	MG	13	1690	1/1	0.74	0.34	108,108,108,108	0
56	MG	1H	3003	1/1	0.74	0.28	75,75,75,75	0
56	MG	13	1655	1/1	0.74	0.34	89,89,89,89	0
56	MG	1G	1601	1/1	0.74	0.27	109,109,109,109	0
56	MG	1G	1654	1/1	0.74	0.41	94,94,94,94	0
56	MG	E5	101	1/1	0.74	0.25	98,98,98,98	0
56	MG	13	1696	1/1	0.75	0.31	108,108,108,108	0
56	MG	1H	3013	1/1	0.75	0.51	104,104,104,104	0
56	MG	14	3243	1/1	0.75	0.30	91,91,91,91	0
56	MG	16	214	1/1	0.75	0.28	109,109,109,109	0
56	MG	13	1607	1/1	0.75	0.25	78,78,78,78	0
56	MG	13	1620	1/1	0.75	0.43	119,119,119,119	0
56	MG	14	3125	1/1	0.75	0.38	101,101,101,101	0
56	MG	1H	3259	1/1	0.75	0.33	105,105,105,105	0
56	MG	1H	3153	1/1	0.75	0.35	98,98,98,98	0
56	MG	14	3052	1/1	0.75	0.35	110,110,110,110	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	14	3158	1/1	0.75	0.41	93,93,93,93	0
56	MG	1H	3115	1/1	0.75	0.40	95,95,95,95	0
56	MG	2K	102	1/1	0.75	0.20	97,97,97,97	0
56	MG	1H	3128	1/1	0.75	0.29	88,88,88,88	0
56	MG	14	3172	1/1	0.75	0.24	107,107,107,107	0
56	MG	1H	3007	1/1	0.75	0.34	97,97,97,97	0
56	MG	13	1698	1/1	0.76	0.42	95,95,95,95	0
56	MG	14	3109	1/1	0.76	0.53	89,89,89,89	0
56	MG	14	3276	1/1	0.76	0.40	103,103,103,103	0
56	MG	1G	1615	1/1	0.76	0.45	115,115,115,115	0
56	MG	1H	3150	1/1	0.76	0.33	86,86,86,86	0
56	MG	14	3288	1/1	0.76	0.40	107,107,107,107	0
56	MG	14	3291	1/1	0.76	0.18	115,115,115,115	0
56	MG	1G	1620	1/1	0.76	0.32	107,107,107,107	0
56	MG	13	1691	1/1	0.76	0.54	95,95,95,95	0
56	MG	14	3137	1/1	0.76	0.49	80,80,80,80	0
56	MG	13	1715	1/1	0.76	0.51	108,108,108,108	0
56	MG	14	3234	1/1	0.76	0.23	98,98,98,98	0
56	MG	13	1674	1/1	0.76	0.24	118,118,118,118	0
56	MG	1H	3338	1/1	0.76	0.25	110,110,110,110	0
56	MG	14	3027	1/1	0.76	0.40	84,84,84,84	0
56	MG	13	1721	1/1	0.76	0.21	101,101,101,101	0
56	MG	13	1677	1/1	0.76	0.30	98,98,98,98	0
56	MG	16	203	1/1	0.76	0.18	107,107,107,107	0
56	MG	14	3252	1/1	0.76	0.25	105,105,105,105	0
56	MG	13	1664	1/1	0.76	0.13	103,103,103,103	0
56	MG	16	211	1/1	0.76	0.39	79,79,79,79	0
56	MG	1J	206	1/1	0.76	0.11	123,123,123,123	0
56	MG	1G	1662	1/1	0.76	0.22	155,155,155,155	0
56	MG	39	302	1/1	0.76	0.14	118,118,118,118	0
56	MG	1H	3169	1/1	0.76	0.31	85,85,85,85	0
56	MG	1H	3170	1/1	0.76	0.23	100,100,100,100	0
56	MG	1H	3177	1/1	0.76	0.34	98,98,98,98	0
56	MG	1H	3094	1/1	0.77	0.28	79,79,79,79	0
56	MG	14	3047	1/1	0.77	0.13	66,66,66,66	0
56	MG	1H	3234	1/1	0.77	0.45	91,91,91,91	0
56	MG	13	1709	1/1	0.77	0.26	141,141,141,141	0
56	MG	1H	3237	1/1	0.77	0.30	70,70,70,70	0
56	MG	1H	3327	1/1	0.77	0.39	91,91,91,91	0
56	MG	14	3074	1/1	0.77	0.33	79,79,79,79	0
56	MG	1H	3273	1/1	0.77	0.34	84,84,84,84	0
56	MG	1H	3336	1/1	0.77	0.52	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	13	1604	1/1	0.77	0.38	108,108,108,108	0
56	MG	14	3092	1/1	0.77	0.21	109,109,109,109	0
56	MG	14	3196	1/1	0.77	0.33	99,99,99,99	0
56	MG	6A	101	1/1	0.77	0.17	138,138,138,138	0
56	MG	13	1750	1/1	0.77	0.29	131,131,131,131	0
56	MG	14	3201	1/1	0.77	0.48	111,111,111,111	0
56	MG	1H	3211	1/1	0.77	0.23	76,76,76,76	0
56	MG	1G	1640	1/1	0.77	0.37	106,106,106,106	0
56	MG	1H	3250	1/1	0.77	0.30	104,104,104,104	0
56	MG	1H	3288	1/1	0.77	0.60	87,87,87,87	0
56	MG	1H	3180	1/1	0.77	0.21	84,84,84,84	0
56	MG	1H	3221	1/1	0.77	0.31	99,99,99,99	0
56	MG	M5	101	1/1	0.77	0.15	94,94,94,94	0
56	MG	1G	1631	1/1	0.78	0.22	113,113,113,113	0
56	MG	13	1675	1/1	0.78	0.20	121,121,121,121	0
56	MG	1H	3230	1/1	0.78	0.31	91,91,91,91	0
56	MG	14	3319	1/1	0.78	0.22	118,118,118,118	0
56	MG	14	3324	1/1	0.78	0.19	96,96,96,96	0
56	MG	14	3210	1/1	0.78	0.35	98,98,98,98	0
56	MG	14	3167	1/1	0.78	0.32	110,110,110,110	0
56	MG	14	3095	1/1	0.78	0.32	78,78,78,78	0
56	MG	1H	3031	1/1	0.78	0.24	89,89,89,89	0
56	MG	1H	3139	1/1	0.78	0.31	79,79,79,79	0
56	MG	1G	1606	1/1	0.78	0.19	129,129,129,129	0
56	MG	1H	3140	1/1	0.78	0.40	101,101,101,101	0
56	MG	1H	3061	1/1	0.78	0.49	85,85,85,85	0
56	MG	14	3188	1/1	0.78	0.41	91,91,91,91	0
56	MG	14	3190	1/1	0.78	0.31	124,124,124,124	0
56	MG	1H	3320	1/1	0.78	0.45	106,106,106,106	0
56	MG	1H	3281	1/1	0.78	0.33	85,85,85,85	0
56	MG	14	3143	1/1	0.78	0.44	100,100,100,100	0
56	MG	1H	3263	1/1	0.78	0.25	106,106,106,106	0
56	MG	14	3051	1/1	0.79	0.39	100,100,100,100	0
56	MG	16	209	1/1	0.79	0.28	88,88,88,88	0
56	MG	1H	3117	1/1	0.79	0.24	87,87,87,87	0
56	MG	1G	1626	1/1	0.79	0.54	102,102,102,102	0
56	MG	14	3065	1/1	0.79	0.18	87,87,87,87	0
56	MG	14	3318	1/1	0.79	0.22	99,99,99,99	0
56	MG	1G	1657	1/1	0.79	0.23	106,106,106,106	0
56	MG	1H	3008	1/1	0.79	0.33	79,79,79,79	0
56	MG	14	3018	1/1	0.79	0.30	70,70,70,70	0
56	MG	41	202	1/1	0.79	0.22	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1H	3178	1/1	0.79	0.28	76,76,76,76	0
56	MG	14	3269	1/1	0.79	0.38	102,102,102,102	0
56	MG	13	1635	1/1	0.79	0.30	88,88,88,88	0
56	MG	13	1689	1/1	0.79	0.33	98,98,98,98	0
56	MG	14	3094	1/1	0.79	0.33	83,83,83,83	0
56	MG	13	1630	1/1	0.79	0.15	74,74,74,74	0
56	MG	14	3044	1/1	0.79	0.40	78,78,78,78	0
56	MG	14	3287	1/1	0.79	0.22	95,95,95,95	0
56	MG	14	3114	1/1	0.79	0.32	97,97,97,97	0
56	MG	13	1703	1/1	0.79	0.27	96,96,96,96	0
56	MG	14	3185	1/1	0.79	0.43	90,90,90,90	0
56	MG	14	3186	1/1	0.79	0.29	86,86,86,86	0
56	MG	14	3296	1/1	0.80	0.48	107,107,107,107	0
56	MG	1H	3004	1/1	0.80	0.33	68,68,68,68	0
56	MG	1H	3492	1/1	0.80	0.13	120,120,120,120	0
56	MG	1H	3321	1/1	0.80	0.18	99,99,99,99	0
56	MG	1H	3160	1/1	0.80	0.40	84,84,84,84	0
56	MG	14	3014	1/1	0.80	0.35	73,73,73,73	0
56	MG	1H	3323	1/1	0.80	0.31	110,110,110,110	0
56	MG	1H	3151	1/1	0.80	0.28	110,110,110,110	0
56	MG	1H	3243	1/1	0.80	0.19	93,93,93,93	0
56	MG	14	3151	1/1	0.80	0.34	91,91,91,91	0
56	MG	1H	3006	1/1	0.80	0.35	91,91,91,91	0
56	MG	14	3161	1/1	0.80	0.22	104,104,104,104	0
56	MG	1G	1668	1/1	0.80	0.19	111,111,111,111	0
56	MG	14	3208	1/1	0.80	0.25	84,84,84,84	0
56	MG	13	1657	1/1	0.80	0.17	104,104,104,104	0
56	MG	14	3272	1/1	0.80	0.46	95,95,95,95	0
56	MG	14	3039	1/1	0.80	0.34	68,68,68,68	0
56	MG	1J	205	1/1	0.80	0.17	101,101,101,101	0
56	MG	14	3220	1/1	0.80	0.34	94,94,94,94	0
56	MG	14	3040	1/1	0.80	0.25	79,79,79,79	0
56	MG	14	3171	1/1	0.80	0.25	73,73,73,73	0
56	MG	13	1637	1/1	0.80	0.41	96,96,96,96	0
56	MG	1G	1635	1/1	0.80	0.16	118,118,118,118	0
56	MG	14	3113	1/1	0.80	0.48	80,80,80,80	0
56	MG	1H	3175	1/1	0.80	0.22	93,93,93,93	0
56	MG	14	3012	1/1	0.81	0.38	94,94,94,94	0
56	MG	1H	3300	1/1	0.81	0.33	87,87,87,87	0
56	MG	16	204	1/1	0.81	0.13	99,99,99,99	0
56	MG	14	3313	1/1	0.81	0.26	124,124,124,124	0
56	MG	13	1699	1/1	0.81	0.23	102,102,102,102	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1H	3305	1/1	0.81	0.33	104,104,104,104	0
56	MG	1H	3106	1/1	0.81	0.19	95,95,95,95	0
56	MG	16	213	1/1	0.81	0.37	85,85,85,85	0
56	MG	1H	3059	1/1	0.81	0.25	92,92,92,92	0
56	MG	11	302	1/1	0.81	0.17	66,66,66,66	0
56	MG	13	1601	1/1	0.81	0.27	74,74,74,74	0
56	MG	14	3218	1/1	0.81	0.42	75,75,75,75	0
56	MG	1H	3315	1/1	0.81	0.21	105,105,105,105	0
56	MG	1H	3316	1/1	0.81	0.35	94,94,94,94	0
56	MG	13	1628	1/1	0.81	0.29	102,102,102,102	0
56	MG	14	3177	1/1	0.81	0.28	111,111,111,111	0
56	MG	1H	3087	1/1	0.81	0.11	69,69,69,69	0
56	MG	14	3002	1/1	0.81	0.34	70,70,70,70	0
56	MG	14	3054	1/1	0.81	0.29	93,93,93,93	0
56	MG	25	201	1/1	0.81	0.45	111,111,111,111	0
56	MG	1G	1614	1/1	0.81	0.22	140,140,140,140	0
56	MG	14	3060	1/1	0.81	0.35	83,83,83,83	0
56	MG	14	3136	1/1	0.81	0.22	112,112,112,112	0
56	MG	14	3063	1/1	0.81	0.16	104,104,104,104	0
56	MG	1G	1618	1/1	0.82	0.18	104,104,104,104	0
56	MG	14	3189	1/1	0.82	0.57	83,83,83,83	0
56	MG	1H	3228	1/1	0.82	0.34	94,94,94,94	0
56	MG	14	3249	1/1	0.82	0.51	97,97,97,97	0
56	MG	14	3020	1/1	0.82	0.39	92,92,92,92	0
56	MG	14	3067	1/1	0.82	0.23	73,73,73,73	0
56	MG	1H	3079	1/1	0.82	0.18	83,83,83,83	0
56	MG	1G	1627	1/1	0.82	0.27	116,116,116,116	0
56	MG	1H	3201	1/1	0.82	0.22	121,121,121,121	0
56	MG	1H	3337	1/1	0.82	0.23	106,106,106,106	0
56	MG	14	3261	1/1	0.82	0.42	83,83,83,83	0
56	MG	13	1634	1/1	0.82	0.45	85,85,85,85	0
56	MG	1H	3021	1/1	0.82	0.14	79,79,79,79	0
56	MG	1H	3173	1/1	0.82	0.23	98,98,98,98	0
56	MG	14	3213	1/1	0.82	0.29	113,113,113,113	0
56	MG	1H	3266	1/1	0.82	0.52	95,95,95,95	0
56	MG	14	3106	1/1	0.82	0.26	89,89,89,89	0
56	MG	1H	3502	1/1	0.82	0.12	118,118,118,118	0
56	MG	14	3277	1/1	0.82	0.24	90,90,90,90	0
56	MG	2L	102	1/1	0.82	0.36	89,89,89,89	0
56	MG	13	1663	1/1	0.82	0.14	87,87,87,87	0
56	MG	1H	3199	1/1	0.82	0.31	99,99,99,99	0
56	MG	1G	1649	1/1	0.82	0.20	105,105,105,105	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	16	205	1/1	0.82	0.18	91,91,91,91	0
56	MG	1H	3245	1/1	0.82	0.40	96,96,96,96	0
56	MG	14	3132	1/1	0.82	0.22	94,94,94,94	0
56	MG	1G	1655	1/1	0.83	0.19	111,111,111,111	0
56	MG	1G	1656	1/1	0.83	0.30	103,103,103,103	0
56	MG	14	3019	1/1	0.83	0.38	96,96,96,96	0
56	MG	16	202	1/1	0.83	0.28	73,73,73,73	0
56	MG	14	3166	1/1	0.83	0.21	106,106,106,106	0
56	MG	1H	3193	1/1	0.83	0.32	95,95,95,95	0
56	MG	14	3299	1/1	0.83	0.23	84,84,84,84	0
56	MG	13	1684	1/1	0.83	0.21	106,106,106,106	0
56	MG	1H	3197	1/1	0.83	0.32	89,89,89,89	0
56	MG	1H	3241	1/1	0.83	0.26	80,80,80,80	0
56	MG	1H	3023	1/1	0.83	0.39	100,100,100,100	0
56	MG	14	3103	1/1	0.83	0.25	90,90,90,90	0
56	MG	13	1673	1/1	0.83	0.44	91,91,91,91	0
56	MG	13	1712	1/1	0.83	0.34	99,99,99,99	0
56	MG	14	3246	1/1	0.83	0.37	75,75,75,75	0
56	MG	14	3043	1/1	0.83	0.30	101,101,101,101	0
56	MG	1H	3125	1/1	0.83	0.32	68,68,68,68	0
56	MG	14	3118	1/1	0.83	0.44	71,71,71,71	0
56	MG	2K	103	1/1	0.83	0.29	98,98,98,98	0
56	MG	1G	1675	1/1	0.83	0.10	99,99,99,99	0
56	MG	14	3124	1/1	0.83	0.32	85,85,85,85	0
56	MG	1J	201	1/1	0.83	0.18	123,123,123,123	0
56	MG	1H	3296	1/1	0.83	0.48	86,86,86,86	0
56	MG	1H	3176	1/1	0.83	0.32	91,91,91,91	0
56	MG	13	1667	1/1	0.83	0.42	147,147,147,147	0
56	MG	14	3059	1/1	0.83	0.30	74,74,74,74	0
56	MG	1H	3091	1/1	0.83	0.33	70,70,70,70	0
56	MG	14	3003	1/1	0.83	0.36	73,73,73,73	0
56	MG	13	1679	1/1	0.83	0.16	98,98,98,98	0
56	MG	14	3207	1/1	0.83	0.20	68,68,68,68	0
56	MG	14	3144	1/1	0.83	0.45	93,93,93,93	0
56	MG	1H	3185	1/1	0.83	0.38	88,88,88,88	0
56	MG	14	3280	1/1	0.83	0.20	95,95,95,95	0
56	MG	13	1701	1/1	0.83	0.32	103,103,103,103	0
57	ZN	G8	202	1/1	0.83	0.18	192,192,192,192	0
56	MG	13	1626	1/1	0.84	0.23	109,109,109,109	0
56	MG	14	3281	1/1	0.84	0.23	105,105,105,105	0
56	MG	14	3053	1/1	0.84	0.26	98,98,98,98	0
56	MG	1H	3265	1/1	0.84	0.38	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1G	1674	1/1	0.84	0.22	111,111,111,111	0
56	MG	13	1605	1/1	0.84	0.34	93,93,93,93	0
56	MG	13	1640	1/1	0.84	0.45	94,94,94,94	0
56	MG	1H	3165	1/1	0.84	0.35	95,95,95,95	0
56	MG	14	3225	1/1	0.84	0.20	65,65,65,65	0
56	MG	1G	1633	1/1	0.84	0.26	93,93,93,93	0
56	MG	14	3159	1/1	0.84	0.35	112,112,112,112	0
56	MG	13	1714	1/1	0.84	0.30	101,101,101,101	0
56	MG	13	1676	1/1	0.84	0.27	111,111,111,111	0
56	MG	1H	3070	1/1	0.84	0.15	125,125,125,125	0
56	MG	14	3009	1/1	0.84	0.39	65,65,65,65	0
56	MG	1H	3152	1/1	0.84	0.36	93,93,93,93	0
56	MG	21	301	1/1	0.84	0.23	75,75,75,75	0
56	MG	1H	3278	1/1	0.84	0.22	101,101,101,101	0
56	MG	1G	1650	1/1	0.84	0.22	101,101,101,101	0
56	MG	14	3323	1/1	0.84	0.33	101,101,101,101	0
56	MG	14	3244	1/1	0.84	0.20	99,99,99,99	0
56	MG	13	1668	1/1	0.84	0.19	94,94,94,94	0
56	MG	13	1636	1/1	0.84	0.25	100,100,100,100	0
56	MG	13	1647	1/1	0.84	0.31	93,93,93,93	0
56	MG	1H	3248	1/1	0.84	0.29	76,76,76,76	0
56	MG	14	3253	1/1	0.84	0.20	82,82,82,82	0
56	MG	1G	1613	1/1	0.84	0.22	117,117,117,117	0
56	MG	14	3108	1/1	0.84	0.26	92,92,92,92	0
56	MG	1G	1659	1/1	0.84	0.28	102,102,102,102	0
56	MG	14	3038	1/1	0.84	0.31	72,72,72,72	0
56	MG	1H	3290	1/1	0.84	0.19	92,92,92,92	0
56	MG	13	1710	1/1	0.84	0.21	98,98,98,98	0
56	MG	14	3041	1/1	0.84	0.26	80,80,80,80	0
56	MG	1G	1616	1/1	0.84	0.15	149,149,149,149	0
56	MG	1H	3298	1/1	0.84	0.43	92,92,92,92	0
56	MG	1H	3222	1/1	0.84	0.34	79,79,79,79	0
56	MG	1H	3225	1/1	0.84	0.27	69,69,69,69	0
56	MG	1H	3182	1/1	0.84	0.11	74,74,74,74	0
56	MG	14	3135	1/1	0.84	0.30	101,101,101,101	0
56	MG	1H	3055	1/1	0.85	0.19	82,82,82,82	0
56	MG	14	3021	1/1	0.85	0.45	79,79,79,79	0
56	MG	1H	3206	1/1	0.85	0.17	53,53,53,53	0
56	MG	1H	3208	1/1	0.85	0.30	63,63,63,63	0
56	MG	1H	3210	1/1	0.85	0.17	69,69,69,69	0
56	MG	14	3112	1/1	0.85	0.19	98,98,98,98	0
56	MG	13	1662	1/1	0.85	0.26	94,94,94,94	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3037	1/1	0.85	0.28	79,79,79,79	0
56	MG	13	1716	1/1	0.85	0.13	111,111,111,111	0
56	MG	14	3282	1/1	0.85	0.37	90,90,90,90	0
56	MG	14	3283	1/1	0.85	0.24	98,98,98,98	0
56	MG	1H	3017	1/1	0.85	0.22	79,79,79,79	0
56	MG	1H	3269	1/1	0.85	0.31	90,90,90,90	0
56	MG	2K	104	1/1	0.85	0.39	90,90,90,90	0
56	MG	1G	1607	1/1	0.85	0.23	98,98,98,98	0
56	MG	1G	1663	1/1	0.85	0.40	92,92,92,92	0
56	MG	13	1612	1/1	0.85	0.26	89,89,89,89	0
56	MG	14	3295	1/1	0.85	0.30	95,95,95,95	0
56	MG	1H	3024	1/1	0.85	0.31	102,102,102,102	0
56	MG	14	3049	1/1	0.85	0.31	87,87,87,87	0
56	MG	13	1720	1/1	0.85	0.23	104,104,104,104	0
56	MG	13	1652	1/1	0.85	0.48	98,98,98,98	0
56	MG	1H	3095	1/1	0.85	0.43	74,74,74,74	0
56	MG	1H	3097	1/1	0.85	0.37	89,89,89,89	0
56	MG	13	1739	1/1	0.85	0.22	120,120,120,120	0
56	MG	14	3148	1/1	0.85	0.22	117,117,117,117	0
56	MG	1G	1622	1/1	0.85	0.15	89,89,89,89	0
56	MG	1H	3187	1/1	0.85	0.19	89,89,89,89	0
56	MG	13	1748	1/1	0.85	0.12	140,140,140,140	0
56	MG	1H	3494	1/1	0.85	0.21	121,121,121,121	0
56	MG	14	3162	1/1	0.85	0.30	88,88,88,88	0
56	MG	13	1631	1/1	0.85	0.12	102,102,102,102	0
56	MG	1H	3294	1/1	0.85	0.13	100,100,100,100	0
56	MG	14	3165	1/1	0.85	0.42	70,70,70,70	0
56	MG	1H	3116	1/1	0.85	0.41	70,70,70,70	0
56	MG	14	3416	1/1	0.85	0.21	126,126,126,126	0
56	MG	14	3247	1/1	0.85	0.31	75,75,75,75	0
56	MG	1H	3198	1/1	0.85	0.38	90,90,90,90	0
56	MG	13	1752	1/1	0.85	0.13	92,92,92,92	0
56	MG	14	3083	1/1	0.85	0.34	81,81,81,81	0
56	MG	14	3089	1/1	0.85	0.24	85,85,85,85	0
56	MG	5E	201	1/1	0.85	0.17	104,104,104,104	0
56	MG	14	3255	1/1	0.85	0.28	99,99,99,99	0
56	MG	14	3176	1/1	0.85	0.56	101,101,101,101	0
56	MG	1H	3052	1/1	0.85	0.32	80,80,80,80	0
56	MG	16	210	1/1	0.85	0.23	107,107,107,107	0
56	MG	1H	3307	1/1	0.85	0.19	99,99,99,99	0
56	MG	14	3263	1/1	0.85	0.49	88,88,88,88	0
56	MG	14	3264	1/1	0.85	0.17	89,89,89,89	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1G	1647	1/1	0.85	0.39	86,86,86,86	0
56	MG	1H	3141	1/1	0.86	0.24	89,89,89,89	0
56	MG	1H	3498	1/1	0.86	0.12	119,119,119,119	0
56	MG	1H	3047	1/1	0.86	0.23	65,65,65,65	0
56	MG	1H	3080	1/1	0.86	0.22	86,86,86,86	0
56	MG	14	3030	1/1	0.86	0.22	115,115,115,115	0
56	MG	1H	3086	1/1	0.86	0.16	72,72,72,72	0
56	MG	1G	1666	1/1	0.86	0.26	89,89,89,89	0
56	MG	13	1700	1/1	0.86	0.25	109,109,109,109	0
56	MG	14	3105	1/1	0.86	0.35	74,74,74,74	0
56	MG	1H	3122	1/1	0.86	0.14	94,94,94,94	0
56	MG	1H	3054	1/1	0.86	0.26	71,71,71,71	0
56	MG	1H	3127	1/1	0.86	0.28	92,92,92,92	0
56	MG	14	3245	1/1	0.86	0.33	71,71,71,71	0
56	MG	14	3110	1/1	0.86	0.26	61,61,61,61	0
56	MG	13	1744	1/1	0.86	0.19	132,132,132,132	0
56	MG	1H	3324	1/1	0.86	0.28	107,107,107,107	0
56	MG	14	3315	1/1	0.86	0.22	92,92,92,92	0
56	MG	14	3316	1/1	0.86	0.42	103,103,103,103	0
56	MG	1H	3132	1/1	0.86	0.48	74,74,74,74	0
56	MG	14	3115	1/1	0.86	0.21	100,100,100,100	0
56	MG	14	3322	1/1	0.86	0.24	90,90,90,90	0
56	MG	14	3117	1/1	0.86	0.27	98,98,98,98	0
56	MG	1H	3216	1/1	0.86	0.24	77,77,77,77	0
56	MG	1H	3328	1/1	0.86	0.24	87,87,87,87	0
56	MG	1G	1636	1/1	0.86	0.10	115,115,115,115	0
56	MG	13	1615	1/1	0.86	0.27	100,100,100,100	0
56	MG	1H	3137	1/1	0.86	0.40	87,87,87,87	0
56	MG	14	3405	1/1	0.86	0.26	102,102,102,102	0
56	MG	14	3191	1/1	0.86	0.30	92,92,92,92	0
56	MG	1H	3192	1/1	0.86	0.19	78,78,78,78	0
56	MG	14	3127	1/1	0.86	0.14	87,87,87,87	0
56	MG	14	3130	1/1	0.86	0.21	71,71,71,71	0
56	MG	14	3005	1/1	0.86	0.24	66,66,66,66	0
56	MG	1H	3012	1/1	0.86	0.25	93,93,93,93	0
56	MG	1G	1602	1/1	0.86	0.21	118,118,118,118	0
56	MG	1H	3194	1/1	0.86	0.17	104,104,104,104	0
56	MG	1H	3038	1/1	0.86	0.14	58,58,58,58	0
56	MG	1H	3346	1/1	0.86	0.48	106,106,106,106	0
56	MG	1H	3395	1/1	0.86	0.14	118,118,118,118	0
56	MG	85	201	1/1	0.86	0.54	93,93,93,93	0
56	MG	1H	3473	1/1	0.86	0.24	127,127,127,127	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3041	1/1	0.86	0.30	67,67,67,67	0
56	MG	1G	1658	1/1	0.86	0.28	110,110,110,110	0
56	MG	14	3152	1/1	0.86	0.29	80,80,80,80	0
56	MG	13	1650	1/1	0.87	0.22	87,87,87,87	0
56	MG	1H	3313	1/1	0.87	0.30	93,93,93,93	0
56	MG	14	3278	1/1	0.87	0.39	85,85,85,85	0
56	MG	1H	3098	1/1	0.87	0.35	72,72,72,72	0
56	MG	1H	3102	1/1	0.87	0.32	67,67,67,67	0
56	MG	14	3128	1/1	0.87	0.18	97,97,97,97	0
56	MG	14	3203	1/1	0.87	0.25	81,81,81,81	0
56	MG	14	3129	1/1	0.87	0.27	78,78,78,78	0
56	MG	1H	3010	1/1	0.87	0.33	83,83,83,83	0
56	MG	14	3055	1/1	0.87	0.20	85,85,85,85	0
56	MG	2L	101	1/1	0.87	0.25	98,98,98,98	0
56	MG	1H	3276	1/1	0.87	0.26	99,99,99,99	0
56	MG	1H	3172	1/1	0.87	0.25	98,98,98,98	0
56	MG	13	1694	1/1	0.87	0.23	121,121,121,121	0
56	MG	1H	3280	1/1	0.87	0.30	100,100,100,100	0
56	MG	14	3221	1/1	0.87	0.31	87,87,87,87	0
56	MG	16	212	1/1	0.87	0.08	99,99,99,99	0
56	MG	14	3305	1/1	0.87	0.24	79,79,79,79	0
56	MG	1H	3114	1/1	0.87	0.27	82,82,82,82	0
56	MG	1H	3063	1/1	0.87	0.24	83,83,83,83	0
56	MG	14	3010	1/1	0.87	0.27	65,65,65,65	0
56	MG	13	1659	1/1	0.87	0.25	109,109,109,109	0
56	MG	14	3156	1/1	0.87	0.38	99,99,99,99	0
56	MG	14	3080	1/1	0.87	0.39	88,88,88,88	0
56	MG	1H	3329	1/1	0.87	0.28	99,99,99,99	0
56	MG	13	1613	1/1	0.87	0.12	96,96,96,96	0
56	MG	1H	3333	1/1	0.87	0.34	91,91,91,91	0
56	MG	1G	1652	1/1	0.87	0.28	103,103,103,103	0
56	MG	1H	3334	1/1	0.87	0.26	99,99,99,99	0
56	MG	1H	3335	1/1	0.87	0.26	85,85,85,85	0
56	MG	13	1614	1/1	0.87	0.12	98,98,98,98	0
56	MG	14	3023	1/1	0.87	0.17	86,86,86,86	0
56	MG	14	3102	1/1	0.87	0.34	93,93,93,93	0
56	MG	14	3250	1/1	0.87	0.20	86,86,86,86	0
56	MG	1G	1605	1/1	0.87	0.17	98,98,98,98	0
56	MG	1H	3293	1/1	0.87	0.19	85,85,85,85	0
56	MG	14	3413	1/1	0.87	0.20	110,110,110,110	0
56	MG	1H	3081	1/1	0.87	0.24	77,77,77,77	0
56	MG	14	3425	1/1	0.87	0.40	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	13	1653	1/1	0.87	0.14	78,78,78,78	0
56	MG	14	3031	1/1	0.87	0.24	76,76,76,76	0
56	MG	13	1642	1/1	0.87	0.21	98,98,98,98	0
56	MG	1H	3262	1/1	0.87	0.23	89,89,89,89	0
56	MG	13	1603	1/1	0.87	0.50	97,97,97,97	0
56	MG	1G	1665	1/1	0.87	0.16	110,110,110,110	0
56	MG	1H	3188	1/1	0.87	0.28	100,100,100,100	0
56	MG	14	3187	1/1	0.87	0.35	100,100,100,100	0
56	MG	49	201	1/1	0.87	0.10	143,143,143,143	0
56	MG	13	1627	1/1	0.87	0.32	101,101,101,101	0
56	MG	1H	3133	1/1	0.87	0.14	84,84,84,84	0
56	MG	13	1681	1/1	0.87	0.12	107,107,107,107	0
56	MG	1H	3500	1/1	0.87	0.12	122,122,122,122	0
56	MG	14	3271	1/1	0.87	0.15	87,87,87,87	0
56	MG	14	3123	1/1	0.87	0.29	75,75,75,75	0
56	MG	14	3195	1/1	0.87	0.34	100,100,100,100	0
56	MG	1G	1642	1/1	0.88	0.39	102,102,102,102	0
56	MG	14	3180	1/1	0.88	0.44	83,83,83,83	0
56	MG	1H	3183	1/1	0.88	0.22	83,83,83,83	0
56	MG	14	3182	1/1	0.88	0.18	98,98,98,98	0
56	MG	14	3300	1/1	0.88	0.24	98,98,98,98	0
56	MG	14	3303	1/1	0.88	0.21	100,100,100,100	0
56	MG	14	3078	1/1	0.88	0.38	97,97,97,97	0
56	MG	1H	3009	1/1	0.88	0.28	69,69,69,69	0
56	MG	14	3306	1/1	0.88	0.47	93,93,93,93	0
56	MG	14	3081	1/1	0.88	0.41	90,90,90,90	0
56	MG	14	3035	1/1	0.88	0.30	79,79,79,79	0
56	MG	14	3133	1/1	0.88	0.22	97,97,97,97	0
56	MG	1G	1611	1/1	0.88	0.28	105,105,105,105	0
56	MG	1H	3267	1/1	0.88	0.34	84,84,84,84	0
56	MG	1H	3142	1/1	0.88	0.20	88,88,88,88	0
56	MG	13	1666	1/1	0.88	0.18	105,105,105,105	0
56	MG	13	1745	1/1	0.88	0.34	121,121,121,121	0
56	MG	1H	3129	1/1	0.88	0.25	90,90,90,90	0
56	MG	14	3145	1/1	0.88	0.21	105,105,105,105	0
56	MG	14	3259	1/1	0.88	0.28	100,100,100,100	0
56	MG	13	1688	1/1	0.88	0.31	93,93,93,93	0
56	MG	14	3004	1/1	0.88	0.34	64,64,64,64	0
56	MG	1H	3274	1/1	0.88	0.35	100,100,100,100	0
56	MG	1H	3219	1/1	0.88	0.35	65,65,65,65	0
56	MG	13	1622	1/1	0.88	0.20	102,102,102,102	0
56	MG	1H	3134	1/1	0.88	0.21	57,57,57,57	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3343	1/1	0.88	0.27	92,92,92,92	0
56	MG	1G	1629	1/1	0.88	0.11	124,124,124,124	0
56	MG	1H	3090	1/1	0.88	0.51	91,91,91,91	0
56	MG	14	3423	1/1	0.88	0.16	133,133,133,133	0
56	MG	14	3215	1/1	0.88	0.23	104,104,104,104	0
56	MG	14	3057	1/1	0.88	0.27	91,91,91,91	0
56	MG	14	3275	1/1	0.88	0.14	105,105,105,105	0
56	MG	1H	3015	1/1	0.88	0.36	71,71,71,71	0
56	MG	1H	3064	1/1	0.88	0.17	76,76,76,76	0
56	MG	1H	3444	1/1	0.88	0.16	102,102,102,102	0
56	MG	14	3279	1/1	0.88	0.25	87,87,87,87	0
56	MG	14	3224	1/1	0.88	0.26	80,80,80,80	0
56	MG	29	302	1/1	0.88	0.36	108,108,108,108	0
56	MG	1G	1667	1/1	0.88	0.17	119,119,119,119	0
56	MG	14	3119	1/1	0.88	0.46	66,66,66,66	0
56	MG	1H	3261	1/1	0.88	0.34	99,99,99,99	0
56	MG	1H	3068	1/1	0.88	0.18	98,98,98,98	0
56	MG	14	3174	1/1	0.88	0.23	93,93,93,93	0
56	MG	1H	3002	1/1	0.88	0.28	76,76,76,76	0
56	MG	1H	3264	1/1	0.88	0.23	96,96,96,96	0
56	MG	14	3289	1/1	0.88	0.21	86,86,86,86	0
56	MG	14	3068	1/1	0.88	0.40	86,86,86,86	0
56	MG	14	3302	1/1	0.89	0.31	92,92,92,92	0
56	MG	1H	3491	1/1	0.89	0.22	93,93,93,93	0
56	MG	1H	3058	1/1	0.89	0.24	107,107,107,107	0
56	MG	I8	101	1/1	0.89	0.30	84,84,84,84	0
56	MG	14	3016	1/1	0.89	0.51	71,71,71,71	0
56	MG	14	3155	1/1	0.89	0.26	76,76,76,76	0
56	MG	14	3056	1/1	0.89	0.21	92,92,92,92	0
56	MG	14	3157	1/1	0.89	0.31	76,76,76,76	0
56	MG	1H	3493	1/1	0.89	0.09	130,130,130,130	0
56	MG	13	1749	1/1	0.89	0.22	121,121,121,121	0
56	MG	13	1678	1/1	0.89	0.07	111,111,111,111	0
56	MG	1H	3332	1/1	0.89	0.39	90,90,90,90	0
56	MG	14	3262	1/1	0.89	0.09	81,81,81,81	0
56	MG	14	3317	1/1	0.89	0.28	98,98,98,98	0
56	MG	14	3061	1/1	0.89	0.25	79,79,79,79	0
56	MG	14	3209	1/1	0.89	0.13	71,71,71,71	0
56	MG	14	3320	1/1	0.89	0.37	96,96,96,96	0
56	MG	14	3062	1/1	0.89	0.17	85,85,85,85	0
56	MG	1H	3217	1/1	0.89	0.13	91,91,91,91	0
56	MG	1G	1638	1/1	0.89	0.45	95,95,95,95	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1H	3074	1/1	0.89	0.31	80,80,80,80	0
56	MG	14	3168	1/1	0.89	0.44	67,67,67,67	0
56	MG	1H	3105	1/1	0.89	0.10	76,76,76,76	0
56	MG	1G	1643	1/1	0.89	0.56	104,104,104,104	0
56	MG	14	3331	1/1	0.89	0.23	112,112,112,112	0
56	MG	14	3340	1/1	0.89	0.11	91,91,91,91	0
56	MG	1H	3314	1/1	0.89	0.17	76,76,76,76	0
56	MG	1H	3155	1/1	0.89	0.25	78,78,78,78	0
56	MG	1H	3203	1/1	0.89	0.20	73,73,73,73	0
56	MG	14	3420	1/1	0.89	0.08	130,130,130,130	0
56	MG	1G	1680	1/1	0.89	0.11	140,140,140,140	0
56	MG	14	3229	1/1	0.89	0.26	83,83,83,83	0
56	MG	14	3231	1/1	0.89	0.22	93,93,93,93	0
56	MG	14	3079	1/1	0.89	0.22	84,84,84,84	0
56	MG	32	301	1/1	0.89	0.22	120,120,120,120	0
56	MG	14	3179	1/1	0.89	0.51	96,96,96,96	0
56	MG	1H	3247	1/1	0.89	0.15	81,81,81,81	0
56	MG	13	1751	1/1	0.89	0.26	94,94,94,94	0
56	MG	1H	3271	1/1	0.89	0.33	93,93,93,93	0
56	MG	1H	3124	1/1	0.89	0.18	72,72,72,72	0
56	MG	14	3240	1/1	0.89	0.36	76,76,76,76	0
56	MG	1H	3147	1/1	0.89	0.40	94,94,94,94	0
56	MG	1G	1623	1/1	0.89	0.14	122,122,122,122	0
56	MG	14	3294	1/1	0.89	0.21	91,91,91,91	0
56	MG	1G	1624	1/1	0.89	0.29	93,93,93,93	0
56	MG	1H	3232	1/1	0.89	0.22	80,80,80,80	0
56	MG	14	3298	1/1	0.89	0.25	115,115,115,115	0
56	MG	1H	3447	1/1	0.89	0.11	105,105,105,105	0
56	MG	13	1649	1/1	0.89	0.19	85,85,85,85	0
56	MG	1G	1641	1/1	0.90	0.10	90,90,90,90	0
56	MG	14	3193	1/1	0.90	0.29	89,89,89,89	0
56	MG	52	201	1/1	0.90	0.11	107,107,107,107	0
56	MG	1H	3037	1/1	0.90	0.27	76,76,76,76	0
56	MG	14	3147	1/1	0.90	0.24	97,97,97,97	0
56	MG	1H	3490	1/1	0.90	0.10	125,125,125,125	0
56	MG	14	3150	1/1	0.90	0.30	80,80,80,80	0
56	MG	14	3097	1/1	0.90	0.20	69,69,69,69	0
56	MG	1H	3256	1/1	0.90	0.14	88,88,88,88	0
56	MG	14	3153	1/1	0.90	0.45	70,70,70,70	0
56	MG	1H	3089	1/1	0.90	0.18	58,58,58,58	0
56	MG	13	1624	1/1	0.90	0.21	95,95,95,95	0
56	MG	1G	1608	1/1	0.90	0.21	98,98,98,98	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3107	1/1	0.90	0.38	80,80,80,80	0
56	MG	13	1648	1/1	0.90	0.23	76,76,76,76	0
56	MG	1G	1612	1/1	0.90	0.16	110,110,110,110	0
56	MG	1H	3495	1/1	0.90	0.22	91,91,91,91	0
56	MG	1H	3093	1/1	0.90	0.26	81,81,81,81	0
56	MG	13	1638	1/1	0.90	0.16	115,115,115,115	0
56	MG	14	3328	1/1	0.90	0.38	111,111,111,111	0
56	MG	1H	3066	1/1	0.90	0.30	71,71,71,71	0
56	MG	16	201	1/1	0.90	0.12	79,79,79,79	0
56	MG	1H	3295	1/1	0.90	0.35	92,92,92,92	0
56	MG	1H	3330	1/1	0.90	0.14	104,104,104,104	0
56	MG	14	3356	1/1	0.90	0.13	118,118,118,118	0
56	MG	14	3398	1/1	0.90	0.13	127,127,127,127	0
56	MG	1H	3048	1/1	0.90	0.14	65,65,65,65	0
56	MG	1H	3049	1/1	0.90	0.27	60,60,60,60	0
56	MG	13	1619	1/1	0.90	0.17	103,103,103,103	0
56	MG	14	3173	1/1	0.90	0.34	87,87,87,87	0
56	MG	1H	3301	1/1	0.90	0.13	79,79,79,79	0
56	MG	14	3424	1/1	0.90	0.15	116,116,116,116	0
56	MG	1H	3181	1/1	0.90	0.35	74,74,74,74	0
56	MG	14	3285	1/1	0.90	0.38	91,91,91,91	0
56	MG	1H	3103	1/1	0.90	0.31	60,60,60,60	0
56	MG	1H	3306	1/1	0.90	0.17	81,81,81,81	0
56	MG	13	1695	1/1	0.90	0.17	112,112,112,112	0
56	MG	1H	3020	1/1	0.90	0.12	90,90,90,90	0
56	MG	14	3290	1/1	0.90	0.16	113,113,113,113	0
56	MG	1H	3108	1/1	0.90	0.23	86,86,86,86	0
56	MG	13	1660	1/1	0.90	0.09	94,94,94,94	0
56	MG	14	3241	1/1	0.90	0.20	92,92,92,92	0
56	MG	14	3033	1/1	0.90	0.28	66,66,66,66	0
56	MG	15	201	1/1	0.90	0.24	102,102,102,102	0
56	MG	1H	3084	1/1	0.90	0.20	61,61,61,61	0
56	MG	1H	3191	1/1	0.90	0.50	87,87,87,87	0
56	MG	45	201	1/1	0.90	0.27	113,113,113,113	0
56	MG	14	3086	1/1	0.90	0.22	84,84,84,84	0
56	MG	2K	101	1/1	0.90	0.20	76,76,76,76	0
56	MG	14	3140	1/1	0.90	0.28	93,93,93,93	0
56	MG	P8	101	1/1	0.90	0.30	84,84,84,84	0
56	MG	1H	3253	1/1	0.90	0.30	91,91,91,91	0
57	ZN	C5	202	1/1	0.90	0.11	189,189,189,189	0
56	MG	14	3026	1/1	0.91	0.20	92,92,92,92	0
56	MG	1H	3428	1/1	0.91	0.08	123,123,123,123	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3301	1/1	0.91	0.12	83,83,83,83	0
56	MG	1H	3258	1/1	0.91	0.51	93,93,93,93	0
56	MG	1H	3303	1/1	0.91	0.21	76,76,76,76	0
56	MG	1H	3218	1/1	0.91	0.18	78,78,78,78	0
56	MG	1H	3260	1/1	0.91	0.23	76,76,76,76	0
56	MG	14	3034	1/1	0.91	0.22	69,69,69,69	0
56	MG	13	1645	1/1	0.91	0.28	86,86,86,86	0
56	MG	14	3036	1/1	0.91	0.22	67,67,67,67	0
56	MG	14	3309	1/1	0.91	0.12	87,87,87,87	0
56	MG	14	3310	1/1	0.91	0.44	96,96,96,96	0
56	MG	1H	3030	1/1	0.91	0.23	79,79,79,79	0
56	MG	4K	101	1/1	0.91	0.19	90,90,90,90	0
56	MG	1H	3223	1/1	0.91	0.15	82,82,82,82	0
56	MG	1H	3109	1/1	0.91	0.32	84,84,84,84	0
56	MG	1H	3312	1/1	0.91	0.33	79,79,79,79	0
56	MG	1H	3226	1/1	0.91	0.32	88,88,88,88	0
56	MG	1G	1625	1/1	0.91	0.08	131,131,131,131	0
56	MG	1H	3136	1/1	0.91	0.14	71,71,71,71	0
56	MG	14	3045	1/1	0.91	0.31	70,70,70,70	0
56	MG	13	1623	1/1	0.91	0.10	84,84,84,84	0
56	MG	1H	3229	1/1	0.91	0.30	83,83,83,83	0
56	MG	14	3184	1/1	0.91	0.31	94,94,94,94	0
56	MG	14	3050	1/1	0.91	0.26	60,60,60,60	0
56	MG	13	1728	1/1	0.91	0.10	131,131,131,131	0
56	MG	1G	1686	1/1	0.91	0.08	129,129,129,129	0
56	MG	1G	1688	1/1	0.91	0.23	117,117,117,117	0
56	MG	1H	3231	1/1	0.91	0.39	90,90,90,90	0
56	MG	1H	3036	1/1	0.91	0.39	61,61,61,61	0
56	MG	1H	3167	1/1	0.91	0.11	92,92,92,92	0
56	MG	16	208	1/1	0.91	0.44	94,94,94,94	0
56	MG	14	3355	1/1	0.91	0.09	102,102,102,102	0
56	MG	1H	3168	1/1	0.91	0.41	83,83,83,83	0
56	MG	14	3370	1/1	0.91	0.15	110,110,110,110	0
56	MG	3I	201	1/1	0.91	0.23	81,81,81,81	0
56	MG	14	3403	1/1	0.91	0.08	122,122,122,122	0
56	MG	1H	3238	1/1	0.91	0.23	84,84,84,84	0
56	MG	13	1670	1/1	0.91	0.38	88,88,88,88	0
56	MG	13	1610	1/1	0.91	0.17	79,79,79,79	0
56	MG	1H	3121	1/1	0.91	0.25	80,80,80,80	0
56	MG	14	3422	1/1	0.91	0.08	132,132,132,132	0
56	MG	14	3006	1/1	0.91	0.22	99,99,99,99	0
56	MG	16	215	1/1	0.91	0.10	113,113,113,113	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3145	1/1	0.91	0.27	57,57,57,57	0
56	MG	1H	3244	1/1	0.91	0.10	90,90,90,90	0
56	MG	13	1706	1/1	0.91	0.26	103,103,103,103	0
56	MG	14	3072	1/1	0.91	0.33	90,90,90,90	0
56	MG	14	3073	1/1	0.91	0.25	74,74,74,74	0
56	MG	14	3013	1/1	0.91	0.13	88,88,88,88	0
56	MG	14	3075	1/1	0.91	0.27	81,81,81,81	0
56	MG	1H	3287	1/1	0.91	0.24	92,92,92,92	0
56	MG	1J	208	1/1	0.91	0.07	121,121,121,121	0
56	MG	1H	3069	1/1	0.91	0.27	89,89,89,89	0
56	MG	14	3219	1/1	0.91	0.16	102,102,102,102	0
56	MG	1H	3289	1/1	0.91	0.34	93,93,93,93	0
56	MG	13	1618	1/1	0.91	0.21	86,86,86,86	0
56	MG	14	3222	1/1	0.91	0.14	99,99,99,99	0
56	MG	1H	3209	1/1	0.91	0.12	82,82,82,82	0
56	MG	1H	3179	1/1	0.91	0.22	96,96,96,96	0
56	MG	14	3292	1/1	0.91	0.32	90,90,90,90	0
56	MG	14	3085	1/1	0.91	0.10	81,81,81,81	0
56	MG	13	1692	1/1	0.91	0.28	102,102,102,102	0
56	MG	1H	3077	1/1	0.91	0.22	67,67,67,67	0
56	MG	13	1609	1/1	0.91	0.18	83,83,83,83	0
56	MG	1H	3130	1/1	0.91	0.27	78,78,78,78	0
56	MG	1H	3072	1/1	0.92	0.27	80,80,80,80	0
56	MG	13	1661	1/1	0.92	0.08	91,91,91,91	0
56	MG	1H	3076	1/1	0.92	0.20	73,73,73,73	0
56	MG	1G	1676	1/1	0.92	0.14	121,121,121,121	0
56	MG	1H	3195	1/1	0.92	0.11	94,94,94,94	0
56	MG	1H	3166	1/1	0.92	0.18	73,73,73,73	0
56	MG	14	3206	1/1	0.92	0.23	83,83,83,83	0
56	MG	1H	3022	1/1	0.92	0.22	64,64,64,64	0
56	MG	1H	3118	1/1	0.92	0.26	76,76,76,76	0
56	MG	14	3154	1/1	0.92	0.26	86,86,86,86	0
56	MG	13	1608	1/1	0.92	0.20	91,91,91,91	0
56	MG	14	3273	1/1	0.92	0.17	87,87,87,87	0
56	MG	1H	3120	1/1	0.92	0.27	80,80,80,80	0
56	MG	1H	3236	1/1	0.92	0.19	77,77,77,77	0
56	MG	14	3046	1/1	0.92	0.17	88,88,88,88	0
56	MG	14	3217	1/1	0.92	0.48	82,82,82,82	0
56	MG	14	3104	1/1	0.92	0.33	81,81,81,81	0
56	MG	14	3343	1/1	0.92	0.11	89,89,89,89	0
56	MG	1H	3171	1/1	0.92	0.35	75,75,75,75	0
56	MG	14	3048	1/1	0.92	0.23	73,73,73,73	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	13	1656	1/1	0.92	0.21	103,103,103,103	0
56	MG	14	3391	1/1	0.92	0.07	124,124,124,124	0
56	MG	1H	3239	1/1	0.92	0.17	88,88,88,88	0
56	MG	1H	3431	1/1	0.92	0.13	163,163,163,163	0
56	MG	1H	3439	1/1	0.92	0.08	92,92,92,92	0
56	MG	1G	1646	1/1	0.92	0.08	102,102,102,102	0
56	MG	1H	3441	1/1	0.92	0.07	122,122,122,122	0
56	MG	1G	1603	1/1	0.92	0.10	118,118,118,118	0
56	MG	14	3008	1/1	0.92	0.33	78,78,78,78	0
56	MG	1H	3099	1/1	0.92	0.24	69,69,69,69	0
56	MG	1H	3100	1/1	0.92	0.24	86,86,86,86	0
56	MG	14	3011	1/1	0.92	0.32	61,61,61,61	0
56	MG	1H	3148	1/1	0.92	0.08	79,79,79,79	0
56	MG	1H	3478	1/1	0.92	0.10	118,118,118,118	0
56	MG	14	3122	1/1	0.92	0.19	68,68,68,68	0
56	MG	1H	3485	1/1	0.92	0.12	121,121,121,121	0
56	MG	1H	3065	1/1	0.92	0.30	71,71,71,71	0
56	MG	1H	3082	1/1	0.92	0.19	77,77,77,77	0
56	MG	1H	3104	1/1	0.92	0.27	78,78,78,78	0
56	MG	1H	3319	1/1	0.92	0.24	90,90,90,90	0
56	MG	29	301	1/1	0.92	0.33	101,101,101,101	0
56	MG	13	1705	1/1	0.92	0.12	98,98,98,98	0
56	MG	39	301	1/1	0.92	0.16	111,111,111,111	0
56	MG	1H	3016	1/1	0.92	0.24	66,66,66,66	0
56	MG	39	303	1/1	0.92	0.41	87,87,87,87	0
56	MG	13	1740	1/1	0.92	0.15	106,106,106,106	0
56	MG	13	1718	1/1	0.92	0.12	96,96,96,96	0
56	MG	1H	3283	1/1	0.92	0.13	112,112,112,112	0
56	MG	1H	3504	1/1	0.92	0.06	138,138,138,138	0
56	MG	35	201	1/1	0.92	0.19	91,91,91,91	0
56	MG	1H	3156	1/1	0.92	0.20	110,110,110,110	0
56	MG	1H	3110	1/1	0.92	0.22	67,67,67,67	0
56	MG	14	3139	1/1	0.92	0.17	67,67,67,67	0
56	MG	1H	3071	1/1	0.92	0.05	94,94,94,94	0
56	MG	1H	3113	1/1	0.92	0.15	64,64,64,64	0
56	MG	1H	3257	1/1	0.92	0.17	80,80,80,80	0
56	MG	1H	3161	1/1	0.92	0.35	82,82,82,82	0
56	MG	3I	202	1/1	0.93	0.38	101,101,101,101	0
56	MG	1H	3302	1/1	0.93	0.09	90,90,90,90	0
56	MG	14	3116	1/1	0.93	0.18	73,73,73,73	0
56	MG	14	3325	1/1	0.93	0.19	89,89,89,89	0
56	MG	31	301	1/1	0.93	0.11	92,92,92,92	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1H	3457	1/1	0.93	0.09	113,113,113,113	0
56	MG	1H	3144	1/1	0.93	0.16	80,80,80,80	0
56	MG	1H	3046	1/1	0.93	0.29	72,72,72,72	0
56	MG	J8	101	1/1	0.93	0.30	78,78,78,78	0
56	MG	14	3070	1/1	0.93	0.34	66,66,66,66	0
56	MG	14	3071	1/1	0.93	0.44	94,94,94,94	0
56	MG	1H	3482	1/1	0.93	0.18	119,119,119,119	0
56	MG	14	3346	1/1	0.93	0.10	92,92,92,92	0
56	MG	14	3354	1/1	0.93	0.07	126,126,126,126	0
56	MG	13	1665	1/1	0.93	0.13	91,91,91,91	0
56	MG	1H	3018	1/1	0.93	0.38	79,79,79,79	0
56	MG	14	3368	1/1	0.93	0.10	117,117,117,117	0
56	MG	1H	3019	1/1	0.93	0.27	54,54,54,54	0
56	MG	1G	1687	1/1	0.93	0.14	135,135,135,135	0
56	MG	14	3077	1/1	0.93	0.22	80,80,80,80	0
56	MG	14	3400	1/1	0.93	0.12	95,95,95,95	0
56	MG	1H	3083	1/1	0.93	0.26	92,92,92,92	0
56	MG	1H	3284	1/1	0.93	0.10	70,70,70,70	0
56	MG	13	1632	1/1	0.93	0.12	64,64,64,64	0
56	MG	1H	3202	1/1	0.93	0.25	93,93,93,93	0
56	MG	1H	3184	1/1	0.93	0.06	107,107,107,107	0
56	MG	1G	1648	1/1	0.93	0.12	100,100,100,100	0
56	MG	14	3138	1/1	0.93	0.20	73,73,73,73	0
56	MG	13	1641	1/1	0.93	0.50	88,88,88,88	0
56	MG	13	1719	1/1	0.93	0.26	95,95,95,95	0
56	MG	14	3426	1/1	0.93	0.18	67,67,67,67	0
56	MG	1H	3341	1/1	0.93	0.11	100,100,100,100	0
56	MG	14	3297	1/1	0.93	0.20	96,96,96,96	0
56	MG	1H	3342	1/1	0.93	0.11	92,92,92,92	0
56	MG	1G	1653	1/1	0.93	0.12	106,106,106,106	0
56	MG	14	3248	1/1	0.93	0.10	85,85,85,85	0
56	MG	14	3192	1/1	0.93	0.14	84,84,84,84	0
56	MG	1H	3056	1/1	0.93	0.19	72,72,72,72	0
56	MG	1H	3317	1/1	0.93	0.32	85,85,85,85	0
56	MG	1H	3345	1/1	0.93	0.14	100,100,100,100	0
56	MG	13	1633	1/1	0.93	0.15	75,75,75,75	0
56	MG	14	3101	1/1	0.93	0.20	80,80,80,80	0
56	MG	1H	3367	1/1	0.93	0.12	82,82,82,82	0
56	MG	1H	3386	1/1	0.93	0.09	82,82,82,82	0
56	MG	1G	1660	1/1	0.93	0.15	97,97,97,97	0
56	MG	1H	3014	1/1	0.93	0.25	57,57,57,57	0
56	MG	1H	3407	1/1	0.93	0.08	115,115,115,115	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3015	1/1	0.93	0.13	81,81,81,81	0
56	MG	1H	3092	1/1	0.93	0.33	70,70,70,70	0
56	MG	1H	3430	1/1	0.93	0.07	116,116,116,116	0
56	MG	45	202	1/1	0.93	0.17	82,82,82,82	0
56	MG	13	1644	1/1	0.93	0.10	96,96,96,96	0
56	MG	14	3265	1/1	0.93	0.23	88,88,88,88	0
56	MG	1H	3299	1/1	0.93	0.15	71,71,71,71	0
56	MG	14	3212	1/1	0.93	0.15	104,104,104,104	0
56	MG	1H	3215	1/1	0.93	0.24	81,81,81,81	0
56	MG	14	3214	1/1	0.93	0.17	70,70,70,70	0
56	MG	16	207	1/1	0.94	0.20	84,84,84,84	0
56	MG	1H	3045	1/1	0.94	0.25	63,63,63,63	0
56	MG	14	3082	1/1	0.94	0.20	71,71,71,71	0
56	MG	1H	3214	1/1	0.94	0.11	103,103,103,103	0
56	MG	14	3084	1/1	0.94	0.21	78,78,78,78	0
56	MG	14	3352	1/1	0.94	0.08	74,74,74,74	0
56	MG	1H	3292	1/1	0.94	0.15	72,72,72,72	0
56	MG	1G	1621	1/1	0.94	0.13	88,88,88,88	0
56	MG	1H	3456	1/1	0.94	0.10	79,79,79,79	0
56	MG	14	3361	1/1	0.94	0.11	86,86,86,86	0
56	MG	14	3362	1/1	0.94	0.10	101,101,101,101	0
56	MG	1H	3163	1/1	0.94	0.40	88,88,88,88	0
56	MG	14	3237	1/1	0.94	0.14	95,95,95,95	0
56	MG	14	3372	1/1	0.94	0.09	134,134,134,134	0
56	MG	1H	3460	1/1	0.94	0.07	110,110,110,110	0
56	MG	1H	3464	1/1	0.94	0.09	133,133,133,133	0
56	MG	1H	3471	1/1	0.94	0.11	128,128,128,128	0
56	MG	14	3401	1/1	0.94	0.11	120,120,120,120	0
56	MG	13	1625	1/1	0.94	0.34	77,77,77,77	0
56	MG	14	3141	1/1	0.94	0.17	80,80,80,80	0
56	MG	14	3409	1/1	0.94	0.13	114,114,114,114	0
56	MG	1H	3475	1/1	0.94	0.19	76,76,76,76	0
56	MG	21	302	1/1	0.94	0.15	82,82,82,82	0
56	MG	14	3419	1/1	0.94	0.08	112,112,112,112	0
56	MG	14	3098	1/1	0.94	0.45	74,74,74,74	0
56	MG	14	3099	1/1	0.94	0.12	106,106,106,106	0
56	MG	14	3100	1/1	0.94	0.20	87,87,87,87	0
56	MG	13	1617	1/1	0.94	0.09	106,106,106,106	0
56	MG	13	1727	1/1	0.94	0.14	121,121,121,121	0
56	MG	78	202	1/1	0.94	0.21	97,97,97,97	0
56	MG	1H	3318	1/1	0.94	0.12	87,87,87,87	0
56	MG	14	3198	1/1	0.94	0.28	88,88,88,88	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	13	1611	1/1	0.94	0.18	95,95,95,95	0
56	MG	1H	3005	1/1	0.94	0.18	70,70,70,70	0
56	MG	1H	3112	1/1	0.94	0.12	55,55,55,55	0
56	MG	1G	1637	1/1	0.94	0.11	104,104,104,104	0
56	MG	1H	3053	1/1	0.94	0.09	92,92,92,92	0
56	MG	1G	1639	1/1	0.94	0.17	89,89,89,89	0
56	MG	14	3111	1/1	0.94	0.25	72,72,72,72	0
56	MG	1H	3039	1/1	0.94	0.22	55,55,55,55	0
56	MG	14	3160	1/1	0.94	0.35	85,85,85,85	0
56	MG	1H	3040	1/1	0.94	0.20	78,78,78,78	0
56	MG	14	3211	1/1	0.94	0.12	93,93,93,93	0
56	MG	1H	3385	1/1	0.94	0.15	75,75,75,75	0
56	MG	1G	1682	1/1	0.94	0.14	141,141,141,141	0
56	MG	1G	1683	1/1	0.94	0.16	129,129,129,129	0
56	MG	13	1747	1/1	0.94	0.19	103,103,103,103	0
56	MG	1H	3159	1/1	0.94	0.15	77,77,77,77	0
56	MG	1H	3285	1/1	0.94	0.18	88,88,88,88	0
56	MG	1H	3417	1/1	0.94	0.08	90,90,90,90	0
56	MG	1H	3424	1/1	0.94	0.06	119,119,119,119	0
56	MG	14	3170	1/1	0.94	0.20	77,77,77,77	0
56	MG	1H	3042	1/1	0.94	0.12	53,53,53,53	0
56	MG	1H	3308	1/1	0.94	0.23	90,90,90,90	0
56	MG	1H	3043	1/1	0.94	0.12	72,72,72,72	0
56	MG	1H	3212	1/1	0.94	0.19	61,61,61,61	0
56	MG	14	3149	1/1	0.95	0.14	79,79,79,79	0
56	MG	1H	3189	1/1	0.95	0.38	81,81,81,81	0
56	MG	11	301	1/1	0.95	0.30	62,62,62,62	0
56	MG	1H	3190	1/1	0.95	0.07	77,77,77,77	0
56	MG	1H	3174	1/1	0.95	0.37	78,78,78,78	0
56	MG	1H	3476	1/1	0.95	0.17	93,93,93,93	0
56	MG	14	3374	1/1	0.95	0.06	113,113,113,113	0
56	MG	1H	3254	1/1	0.95	0.28	80,80,80,80	0
56	MG	13	1643	1/1	0.95	0.20	78,78,78,78	0
56	MG	14	3024	1/1	0.95	0.27	73,73,73,73	0
56	MG	1H	3348	1/1	0.95	0.10	84,84,84,84	0
56	MG	1H	3487	1/1	0.95	0.17	126,126,126,126	0
56	MG	14	3205	1/1	0.95	0.07	72,72,72,72	0
56	MG	14	3406	1/1	0.95	0.07	99,99,99,99	0
56	MG	14	3407	1/1	0.95	0.06	116,116,116,116	0
56	MG	14	3069	1/1	0.95	0.17	63,63,63,63	0
56	MG	14	3411	1/1	0.95	0.07	104,104,104,104	0
56	MG	1H	3359	1/1	0.95	0.15	83,83,83,83	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	14	3415	1/1	0.95	0.07	107,107,107,107	0
56	MG	14	3028	1/1	0.95	0.14	98,98,98,98	0
56	MG	1H	3025	1/1	0.95	0.47	78,78,78,78	0
56	MG	1H	3001	1/1	0.95	0.20	64,64,64,64	0
56	MG	1H	3279	1/1	0.95	0.15	80,80,80,80	0
56	MG	13	1722	1/1	0.95	0.07	85,85,85,85	0
56	MG	1G	1684	1/1	0.95	0.08	124,124,124,124	0
56	MG	1H	3107	1/1	0.95	0.35	85,85,85,85	0
56	MG	1H	3073	1/1	0.95	0.13	88,88,88,88	0
56	MG	1H	3096	1/1	0.95	0.14	57,57,57,57	0
56	MG	1H	3501	1/1	0.95	0.22	107,107,107,107	0
56	MG	1H	3426	1/1	0.95	0.14	92,92,92,92	0
56	MG	1H	3503	1/1	0.95	0.06	116,116,116,116	0
56	MG	1G	1609	1/1	0.95	0.09	97,97,97,97	0
56	MG	1H	3085	1/1	0.95	0.14	62,62,62,62	0
56	MG	1H	3506	1/1	0.95	0.30	57,57,57,57	0
56	MG	1H	3032	1/1	0.95	0.33	78,78,78,78	0
56	MG	14	3321	1/1	0.95	0.34	99,99,99,99	0
56	MG	14	3087	1/1	0.95	0.12	82,82,82,82	0
56	MG	1H	3220	1/1	0.95	0.13	124,124,124,124	0
56	MG	1H	3434	1/1	0.95	0.13	130,130,130,130	0
56	MG	14	3228	1/1	0.95	0.38	86,86,86,86	0
56	MG	1H	3126	1/1	0.95	0.14	79,79,79,79	0
56	MG	1H	3050	1/1	0.95	0.17	80,80,80,80	0
56	MG	1H	3067	1/1	0.95	0.16	84,84,84,84	0
56	MG	1G	1619	1/1	0.95	0.20	72,72,72,72	0
56	MG	1H	3224	1/1	0.95	0.14	82,82,82,82	0
56	MG	1H	3448	1/1	0.95	0.23	97,97,97,97	0
56	MG	14	3337	1/1	0.95	0.11	76,76,76,76	0
56	MG	1H	3101	1/1	0.95	0.17	49,49,49,49	0
56	MG	1H	3339	1/1	0.95	0.07	90,90,90,90	0
56	MG	1H	3051	1/1	0.95	0.23	53,53,53,53	0
56	MG	1H	3207	1/1	0.95	0.31	60,60,60,60	0
56	MG	1H	3467	1/1	0.95	0.06	106,106,106,106	0
56	MG	1H	3469	1/1	0.95	0.11	106,106,106,106	0
56	MG	1H	3057	1/1	0.96	0.15	72,72,72,72	0
56	MG	1H	3409	1/1	0.96	0.09	76,76,76,76	0
56	MG	1H	3470	1/1	0.96	0.05	99,99,99,99	0
56	MG	1H	3415	1/1	0.96	0.06	99,99,99,99	0
56	MG	14	3131	1/1	0.96	0.17	56,56,56,56	0
56	MG	14	3200	1/1	0.96	0.36	85,85,85,85	0
56	MG	1H	3249	1/1	0.96	0.60	97,97,97,97	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3419	1/1	0.96	0.10	94,94,94,94	0
56	MG	14	3134	1/1	0.96	0.05	103,103,103,103	0
56	MG	1H	3297	1/1	0.96	0.09	86,86,86,86	0
56	MG	14	3242	1/1	0.96	0.09	94,94,94,94	0
56	MG	13	1741	1/1	0.96	0.07	118,118,118,118	0
56	MG	14	3418	1/1	0.96	0.12	130,130,130,130	0
56	MG	13	1743	1/1	0.96	0.14	108,108,108,108	0
56	MG	1H	3088	1/1	0.96	0.28	52,52,52,52	0
56	MG	1H	3347	1/1	0.96	0.10	57,57,57,57	0
56	MG	1H	3488	1/1	0.96	0.15	114,114,114,114	0
56	MG	1H	3060	1/1	0.96	0.18	74,74,74,74	0
56	MG	1H	3349	1/1	0.96	0.10	69,69,69,69	0
56	MG	1H	3351	1/1	0.96	0.08	65,65,65,65	0
56	MG	1H	3291	1/1	0.96	0.35	77,77,77,77	0
56	MG	1H	3325	1/1	0.96	0.15	86,86,86,86	0
56	MG	1H	3374	1/1	0.96	0.07	71,71,71,71	0
56	MG	1G	1678	1/1	0.96	0.13	108,108,108,108	0
56	MG	1H	3497	1/1	0.96	0.05	119,119,119,119	0
56	MG	1G	1681	1/1	0.96	0.13	133,133,133,133	0
56	MG	1H	3453	1/1	0.96	0.07	70,70,70,70	0
56	MG	1H	3455	1/1	0.96	0.12	99,99,99,99	0
56	MG	13	1734	1/1	0.96	0.13	133,133,133,133	0
56	MG	1G	1685	1/1	0.96	0.06	112,112,112,112	0
56	MG	14	3223	1/1	0.96	0.08	81,81,81,81	0
56	MG	1H	3205	1/1	0.96	0.10	64,64,64,64	0
56	MG	14	3088	1/1	0.96	0.19	66,66,66,66	0
56	MG	1H	3458	1/1	0.96	0.06	93,93,93,93	0
56	MG	14	3266	1/1	0.96	0.14	80,80,80,80	0
56	MG	1H	3391	1/1	0.96	0.06	96,96,96,96	0
56	MG	14	3371	1/1	0.96	0.06	101,101,101,101	0
56	MG	L8	101	1/1	0.96	0.15	85,85,85,85	0
56	MG	1H	3505	1/1	0.96	0.06	112,112,112,112	0
56	MG	14	3378	1/1	0.96	0.07	101,101,101,101	0
56	MG	14	3383	1/1	0.96	0.11	98,98,98,98	0
56	MG	14	3386	1/1	0.96	0.10	105,105,105,105	0
56	MG	14	3390	1/1	0.96	0.11	94,94,94,94	0
56	MG	1H	3078	1/1	0.96	0.07	70,70,70,70	0
56	MG	14	3393	1/1	0.96	0.08	80,80,80,80	0
56	MG	14	3397	1/1	0.96	0.09	101,101,101,101	0
56	MG	14	3396	1/1	0.97	0.09	119,119,119,119	0
56	MG	1H	3390	1/1	0.97	0.10	83,83,83,83	0
56	MG	1H	3449	1/1	0.97	0.06	78,78,78,78	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	4I	201	1/1	0.97	0.09	89,89,89,89	0
56	MG	1H	3496	1/1	0.97	0.06	131,131,131,131	0
56	MG	78	201	1/1	0.97	0.06	67,67,67,67	0
56	MG	14	3404	1/1	0.97	0.04	97,97,97,97	0
56	MG	1H	3233	1/1	0.97	0.12	65,65,65,65	0
56	MG	1H	3350	1/1	0.97	0.06	64,64,64,64	0
56	MG	1H	3499	1/1	0.97	0.08	110,110,110,110	0
56	MG	I8	102	1/1	0.97	0.24	64,64,64,64	0
56	MG	14	3410	1/1	0.97	0.20	96,96,96,96	0
56	MG	1H	3399	1/1	0.97	0.07	59,59,59,59	0
56	MG	1H	3405	1/1	0.97	0.07	86,86,86,86	0
56	MG	1H	3252	1/1	0.97	0.05	69,69,69,69	0
56	MG	1H	3408	1/1	0.97	0.05	87,87,87,87	0
56	MG	14	3417	1/1	0.97	0.14	148,148,148,148	0
56	MG	1H	3463	1/1	0.97	0.12	113,113,113,113	0
56	MG	1H	3353	1/1	0.97	0.10	77,77,77,77	0
56	MG	1H	3466	1/1	0.97	0.14	94,94,94,94	0
56	MG	14	3421	1/1	0.97	0.12	130,130,130,130	0
56	MG	1H	3354	1/1	0.97	0.07	64,64,64,64	0
56	MG	1H	3358	1/1	0.97	0.06	76,76,76,76	0
56	MG	1H	3418	1/1	0.97	0.14	134,134,134,134	0
56	MG	1G	1679	1/1	0.97	0.05	108,108,108,108	0
56	MG	1H	3075	1/1	0.97	0.06	59,59,59,59	0
56	MG	1H	3363	1/1	0.97	0.06	71,71,71,71	0
56	MG	14	3344	1/1	0.97	0.06	82,82,82,82	0
56	MG	1G	1610	1/1	0.97	0.08	115,115,115,115	0
56	MG	14	3350	1/1	0.97	0.06	80,80,80,80	0
56	MG	13	1725	1/1	0.97	0.05	102,102,102,102	0
56	MG	14	3257	1/1	0.97	0.10	84,84,84,84	0
56	MG	1H	3369	1/1	0.97	0.06	92,92,92,92	0
56	MG	1H	3372	1/1	0.97	0.05	79,79,79,79	0
56	MG	1J	209	1/1	0.97	0.07	125,125,125,125	0
56	MG	1H	3479	1/1	0.97	0.04	126,126,126,126	0
56	MG	1H	3480	1/1	0.97	0.04	109,109,109,109	0
56	MG	14	3363	1/1	0.97	0.11	117,117,117,117	0
56	MG	1H	3035	1/1	0.97	0.23	55,55,55,55	0
56	MG	14	3032	1/1	0.97	0.14	52,52,52,52	0
56	MG	1H	3432	1/1	0.97	0.06	113,113,113,113	0
56	MG	1H	3376	1/1	0.97	0.15	96,96,96,96	0
56	MG	1H	3381	1/1	0.97	0.06	89,89,89,89	0
56	MG	14	3376	1/1	0.97	0.05	119,119,119,119	0
56	MG	1H	3131	1/1	0.97	0.05	56,56,56,56	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
56	MG	1H	3442	1/1	0.97	0.12	57,57,57,57	0
56	MG	1H	3123	1/1	0.97	0.11	68,68,68,68	0
56	MG	14	3388	1/1	0.97	0.06	85,85,85,85	0
56	MG	14	3389	1/1	0.97	0.06	72,72,72,72	0
56	MG	14	3230	1/1	0.97	0.06	86,86,86,86	0
56	MG	14	3001	1/1	0.97	0.05	66,66,66,66	0
56	MG	1H	3387	1/1	0.97	0.06	70,70,70,70	0
57	ZN	5A	101	1/1	0.97	0.05	172,172,172,172	0
56	MG	14	3394	1/1	0.97	0.09	93,93,93,93	0
56	MG	14	3387	1/1	0.98	0.06	76,76,76,76	0
56	MG	13	1671	1/1	0.98	0.04	102,102,102,102	0
56	MG	1H	3468	1/1	0.98	0.04	95,95,95,95	0
56	MG	1H	3375	1/1	0.98	0.06	76,76,76,76	0
56	MG	13	1729	1/1	0.98	0.05	109,109,109,109	0
56	MG	1H	3420	1/1	0.98	0.04	84,84,84,84	0
56	MG	1H	3472	1/1	0.98	0.10	98,98,98,98	0
56	MG	14	3395	1/1	0.98	0.06	96,96,96,96	0
56	MG	1H	3423	1/1	0.98	0.04	102,102,102,102	0
56	MG	1H	3474	1/1	0.98	0.14	124,124,124,124	0
56	MG	1H	3377	1/1	0.98	0.13	97,97,97,97	0
56	MG	1H	3378	1/1	0.98	0.06	94,94,94,94	0
56	MG	1H	3477	1/1	0.98	0.04	108,108,108,108	0
56	MG	13	1730	1/1	0.98	0.07	113,113,113,113	0
56	MG	1H	3429	1/1	0.98	0.11	102,102,102,102	0
56	MG	1H	3382	1/1	0.98	0.13	58,58,58,58	0
56	MG	13	1731	1/1	0.98	0.05	91,91,91,91	0
56	MG	1H	3483	1/1	0.98	0.04	110,110,110,110	0
56	MG	1H	3355	1/1	0.98	0.06	64,64,64,64	0
56	MG	1H	3486	1/1	0.98	0.08	98,98,98,98	0
56	MG	88	202	1/1	0.98	0.07	77,77,77,77	0
56	MG	14	3412	1/1	0.98	0.04	108,108,108,108	0
56	MG	G8	201	1/1	0.98	0.06	83,83,83,83	0
56	MG	14	3414	1/1	0.98	0.07	93,93,93,93	0
56	MG	1H	3433	1/1	0.98	0.06	76,76,76,76	0
56	MG	1H	3044	1/1	0.98	0.13	68,68,68,68	0
56	MG	1H	3489	1/1	0.98	0.04	69,69,69,69	0
56	MG	1H	3436	1/1	0.98	0.05	79,79,79,79	0
56	MG	1H	3437	1/1	0.98	0.05	109,109,109,109	0
56	MG	14	3336	1/1	0.98	0.04	88,88,88,88	0
56	MG	13	1616	1/1	0.98	0.08	82,82,82,82	0
56	MG	14	3339	1/1	0.98	0.05	74,74,74,74	0
56	MG	13	1735	1/1	0.98	0.05	96,96,96,96	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	1H	3364	1/1	0.98	0.10	80,80,80,80	0
56	MG	1H	3443	1/1	0.98	0.05	76,76,76,76	0
56	MG	14	3345	1/1	0.98	0.05	84,84,84,84	0
56	MG	1H	3397	1/1	0.98	0.06	77,77,77,77	0
56	MG	1H	3445	1/1	0.98	0.05	83,83,83,83	0
56	MG	1H	3398	1/1	0.98	0.08	92,92,92,92	0
56	MG	1H	3365	1/1	0.98	0.07	69,69,69,69	0
56	MG	1H	3400	1/1	0.98	0.06	61,61,61,61	0
56	MG	1H	3451	1/1	0.98	0.05	87,87,87,87	0
56	MG	14	3359	1/1	0.98	0.09	114,114,114,114	0
56	MG	14	3360	1/1	0.98	0.08	92,92,92,92	0
56	MG	1H	3401	1/1	0.98	0.06	87,87,87,87	0
56	MG	1J	210	1/1	0.98	0.04	109,109,109,109	0
56	MG	1H	3454	1/1	0.98	0.06	85,85,85,85	0
56	MG	1H	3404	1/1	0.98	0.05	62,62,62,62	0
56	MG	14	3364	1/1	0.98	0.04	87,87,87,87	0
56	MG	14	3366	1/1	0.98	0.14	88,88,88,88	0
56	MG	14	3367	1/1	0.98	0.11	111,111,111,111	0
56	MG	1H	3366	1/1	0.98	0.07	60,60,60,60	0
56	MG	14	3369	1/1	0.98	0.05	105,105,105,105	0
56	MG	13	1746	1/1	0.98	0.05	110,110,110,110	0
56	MG	13	1736	1/1	0.98	0.09	102,102,102,102	0
56	MG	1H	3370	1/1	0.98	0.10	84,84,84,84	0
56	MG	1H	3461	1/1	0.98	0.06	110,110,110,110	0
56	MG	14	3375	1/1	0.98	0.05	102,102,102,102	0
56	MG	1H	3462	1/1	0.98	0.05	75,75,75,75	0
56	MG	1H	3412	1/1	0.98	0.04	64,64,64,64	0
56	MG	14	3379	1/1	0.98	0.05	77,77,77,77	0
56	MG	14	3380	1/1	0.98	0.08	97,97,97,97	0
57	ZN	3E	301	1/1	0.98	0.30	115,115,115,115	0
56	MG	14	3382	1/1	0.98	0.15	86,86,86,86	0
56	MG	1H	3413	1/1	0.98	0.06	77,77,77,77	0
56	MG	13	1737	1/1	0.98	0.12	72,72,72,72	0
56	MG	1H	3383	1/1	0.99	0.04	67,67,67,67	0
56	MG	14	3332	1/1	0.99	0.10	72,72,72,72	0
56	MG	14	3333	1/1	0.99	0.05	73,73,73,73	0
56	MG	14	3334	1/1	0.99	0.05	91,91,91,91	0
56	MG	14	3335	1/1	0.99	0.03	73,73,73,73	0
56	MG	1H	3481	1/1	0.99	0.03	70,70,70,70	0
56	MG	14	3399	1/1	0.99	0.04	78,78,78,78	0
56	MG	1H	3410	1/1	0.99	0.04	73,73,73,73	0
56	MG	14	3338	1/1	0.99	0.04	68,68,68,68	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	14	3402	1/1	0.99	0.06	99,99,99,99	0
56	MG	1H	3384	1/1	0.99	0.08	59,59,59,59	0
56	MG	1H	3484	1/1	0.99	0.09	79,79,79,79	0
56	MG	14	3341	1/1	0.99	0.03	78,78,78,78	0
56	MG	14	3342	1/1	0.99	0.06	80,80,80,80	0
56	MG	1H	3446	1/1	0.99	0.04	74,74,74,74	0
56	MG	14	3408	1/1	0.99	0.06	79,79,79,79	0
56	MG	13	1726	1/1	0.99	0.10	90,90,90,90	0
56	MG	1H	3414	1/1	0.99	0.05	65,65,65,65	0
56	MG	1H	3368	1/1	0.99	0.09	79,79,79,79	0
56	MG	14	3347	1/1	0.99	0.04	85,85,85,85	0
56	MG	14	3348	1/1	0.99	0.08	71,71,71,71	0
56	MG	14	3349	1/1	0.99	0.08	71,71,71,71	0
56	MG	1H	3450	1/1	0.99	0.05	66,66,66,66	0
56	MG	14	3351	1/1	0.99	0.12	60,60,60,60	0
56	MG	1H	3416	1/1	0.99	0.05	78,78,78,78	0
56	MG	14	3353	1/1	0.99	0.18	91,91,91,91	0
56	MG	14	3096	1/1	0.99	0.04	77,77,77,77	0
56	MG	1H	3452	1/1	0.99	0.12	65,65,65,65	0
56	MG	1H	3356	1/1	0.99	0.05	58,58,58,58	0
56	MG	14	3357	1/1	0.99	0.06	80,80,80,80	0
56	MG	14	3358	1/1	0.99	0.04	85,85,85,85	0
56	MG	1H	3389	1/1	0.99	0.07	69,69,69,69	0
56	MG	1H	3357	1/1	0.99	0.04	57,57,57,57	0
56	MG	1H	3371	1/1	0.99	0.03	91,91,91,91	0
56	MG	1H	3421	1/1	0.99	0.04	62,62,62,62	0
56	MG	1H	3422	1/1	0.99	0.09	91,91,91,91	0
56	MG	1G	1677	1/1	0.99	0.07	91,91,91,91	0
56	MG	14	3365	1/1	0.99	0.04	80,80,80,80	0
56	MG	1H	3459	1/1	0.99	0.03	81,81,81,81	0
56	MG	1H	3392	1/1	0.99	0.08	65,65,65,65	0
56	MG	1H	3393	1/1	0.99	0.06	60,60,60,60	0
56	MG	1H	3425	1/1	0.99	0.09	95,95,95,95	0
56	MG	13	1724	1/1	0.99	0.05	102,102,102,102	0
56	MG	1H	3396	1/1	0.99	0.12	87,87,87,87	0
56	MG	1H	3465	1/1	0.99	0.04	83,83,83,83	0
56	MG	14	3373	1/1	0.99	0.04	81,81,81,81	0
56	MG	1H	3373	1/1	0.99	0.04	63,63,63,63	0
56	MG	13	1723	1/1	0.99	0.07	105,105,105,105	0
56	MG	1H	3360	1/1	0.99	0.07	58,58,58,58	0
56	MG	14	3377	1/1	0.99	0.05	82,82,82,82	0
56	MG	1H	3362	1/1	0.99	0.03	61,61,61,61	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(\AA^2)	Q<0.9
56	MG	13	1742	1/1	0.99	0.08	82,82,82,82	0
56	MG	1H	3402	1/1	0.99	0.05	81,81,81,81	0
56	MG	14	3381	1/1	0.99	0.13	101,101,101,101	0
56	MG	1H	3435	1/1	0.99	0.06	72,72,72,72	0
56	MG	1H	3352	1/1	0.99	0.07	61,61,61,61	0
56	MG	14	3384	1/1	0.99	0.06	60,60,60,60	0
56	MG	14	3385	1/1	0.99	0.06	73,73,73,73	0
56	MG	1H	3379	1/1	0.99	0.07	74,74,74,74	0
56	MG	1H	3438	1/1	0.99	0.05	82,82,82,82	0
56	MG	1H	3406	1/1	0.99	0.10	77,77,77,77	0
57	ZN	5I	101	1/1	0.99	0.04	114,114,114,114	0
56	MG	1H	3440	1/1	0.99	0.04	83,83,83,83	0
57	ZN	32	302	1/1	0.99	0.24	131,131,131,131	0
56	MG	13	1733	1/1	0.99	0.06	102,102,102,102	0
56	MG	13	1738	1/1	0.99	0.05	77,77,77,77	0
56	MG	1H	3427	1/1	1.00	0.04	75,75,75,75	0
56	MG	1H	3380	1/1	1.00	0.06	61,61,61,61	0
56	MG	13	1732	1/1	1.00	0.03	81,81,81,81	0
56	MG	1H	3388	1/1	1.00	0.03	65,65,65,65	0
56	MG	1H	3403	1/1	1.00	0.02	73,73,73,73	0
56	MG	14	3392	1/1	1.00	0.02	70,70,70,70	0
56	MG	1H	3361	1/1	1.00	0.06	56,56,56,56	0
56	MG	1H	3411	1/1	1.00	0.07	80,80,80,80	0
56	MG	1H	3394	1/1	1.00	0.02	62,62,62,62	0

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

There are no such residues in this entry.