



Full wwPDB X-ray Structure Validation Report ⓘ

Oct 23, 2023 – 12:14 PM JST

PDB ID : 8HBC
Title : Crystal structure of the CysR-CTLD3 fragment of human DEC205
Authors : Kong, D.; Yu, B.; Hu, Z.; Cheng, C.; Cao, L.; He, Y.
Deposited on : 2022-10-28
Resolution : 3.35 Å(reported)

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Xtriage (Phenix) : 1.13
EDS : 2.36
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36

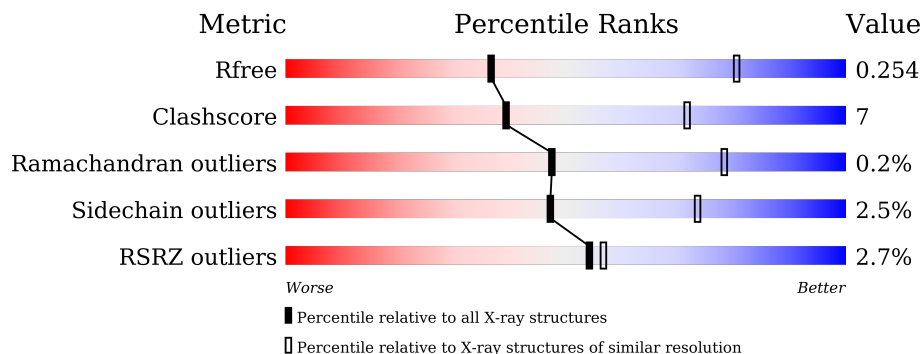
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.35 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}	130704	1558 (3.42-3.30)
Clashscore	141614	1627 (3.42-3.30)
Ramachandran outliers	138981	1599 (3.42-3.30)
Sidechain outliers	138945	1598 (3.42-3.30)
RSRZ outliers	127900	1507 (3.42-3.30)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	603	 2% 76% 17% • 6%
1	B	603	 3% 76% 17% • 6%

2 Entry composition

There is only 1 type of molecule in this entry. The entry contains 9102 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Lymphocyte antigen 75.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	566	4551	2884	770	861	36	0	0	0
1	B	566	4551	2884	770	861	36	0	0	0

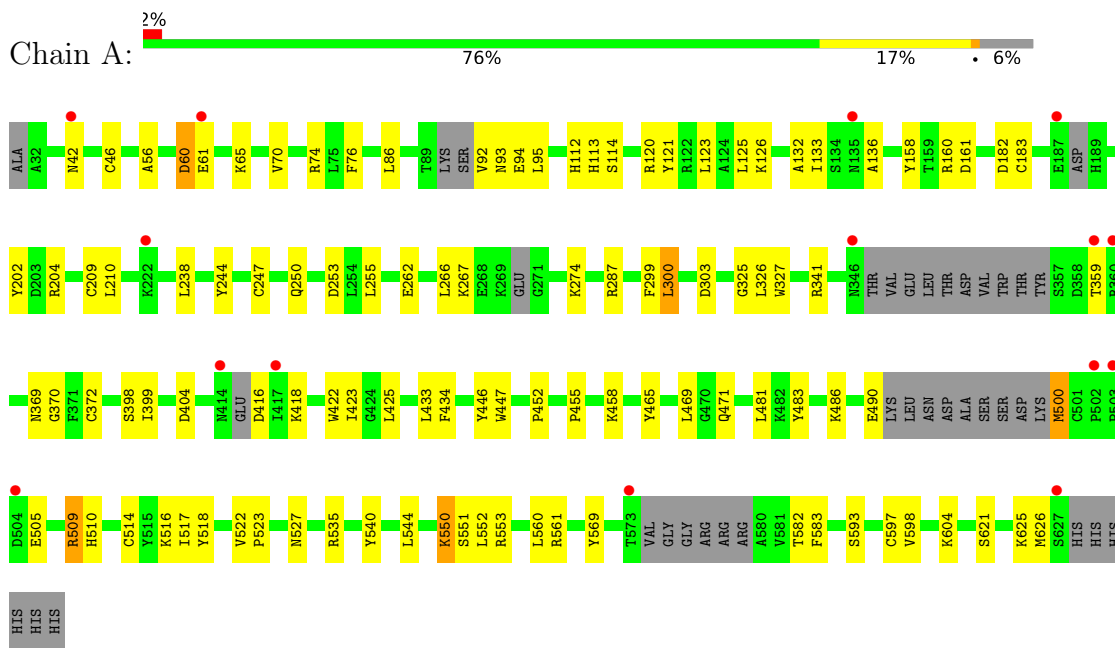
There are 12 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	628	HIS	-	expression tag	UNP O60449
A	629	HIS	-	expression tag	UNP O60449
A	630	HIS	-	expression tag	UNP O60449
A	631	HIS	-	expression tag	UNP O60449
A	632	HIS	-	expression tag	UNP O60449
A	633	HIS	-	expression tag	UNP O60449
B	628	HIS	-	expression tag	UNP O60449
B	629	HIS	-	expression tag	UNP O60449
B	630	HIS	-	expression tag	UNP O60449
B	631	HIS	-	expression tag	UNP O60449
B	632	HIS	-	expression tag	UNP O60449
B	633	HIS	-	expression tag	UNP O60449

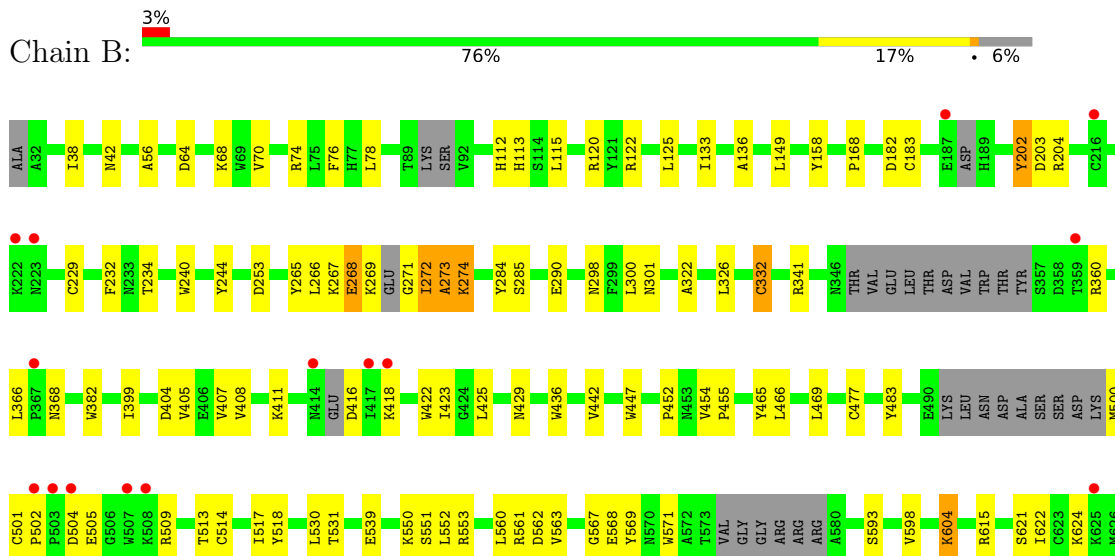
3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

- Molecule 1: Lymphocyte antigen 75



- Molecule 1: Lymphocyte antigen 75



5627
HIS
HIS
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4 Data and refinement statistics

Property	Value	Source
Space group	P 1	Depositor
Cell constants a, b, c, α , β , γ	70.96Å 75.87Å 89.59Å 64.84° 70.07° 84.18°	Depositor
Resolution (Å)	29.87 – 3.35 29.88 – 3.35	Depositor EDS
% Data completeness (in resolution range)	97.8 (29.87-3.35) 97.8 (29.88-3.35)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	3.14 (at 3.39Å)	Xtrriage
Refinement program	PHENIX 1.11.1_2575	Depositor
R, R_{free}	0.202 , 0.254 0.205 , 0.254	Depositor DCC
R_{free} test set	1998 reflections (8.95%)	wwPDB-VP
Wilson B-factor (Å ²)	73.9	Xtrriage
Anisotropy	0.068	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.29 , 41.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.47$, $\langle L^2 \rangle = 0.30$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
F_o, F_c correlation	0.90	EDS
Total number of atoms	9102	wwPDB-VP
Average B, all atoms (Å ²)	78.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.27% 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.

5 Model quality [i](#)

5.1 Standard geometry [i](#)

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	A	0.34	0/4679	0.54	0/6342
1	B	0.26	0/4679	0.49	0/6342
All	All	0.30	0/9358	0.52	0/12684

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	4551	0	4255	67	0
1	B	4551	0	4255	66	0
All	All	9102	0	8510	130	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 7.

All (130) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:518:TYR:HB2	1:B:621:SER:HB2	1.62	0.82
1:B:423:ILE:HD11	1:B:465:TYR:HD2	1.49	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:56:ALA:HB2	1:A:125:LEU:HD21	1.70	0.74
1:B:202:TYR:HD1	1:B:203:ASP:H	1.38	0.72
1:A:625:LYS:HE3	1:A:626:MET:HG3	1.71	0.72
1:B:423:ILE:HG22	1:B:425:LEU:H	1.58	0.69
1:A:372:CYS:O	1:A:486:LYS:HA	1.94	0.68
1:B:514:CYS:O	1:B:624:LYS:HA	1.94	0.67
1:B:232:PHE:CD2	1:B:272:ILE:HG22	2.30	0.66
1:B:517:ILE:HD12	1:B:517:ILE:O	1.97	0.63
1:A:70:VAL:HG23	1:A:74:ARG:HB2	1.82	0.61
1:B:560:LEU:HD23	1:B:598:VAL:HG21	1.82	0.61
1:A:593:SER:HA	1:B:120:ARG:HG3	1.82	0.61
1:A:202:TYR:O	1:A:204:ARG:N	2.32	0.60
1:A:95:LEU:HD12	1:A:132:ALA:HB2	1.82	0.60
1:B:422:TRP:HB2	1:B:483:TYR:HB3	1.83	0.60
1:A:299:PHE:HD1	1:A:433:LEU:HD23	1.67	0.59
1:A:423:ILE:HG22	1:A:425:LEU:H	1.68	0.59
1:B:70:VAL:HG23	1:B:74:ARG:HB2	1.84	0.59
1:A:560:LEU:HG	1:A:569:TYR:HB3	1.85	0.59
1:A:522:VAL:HG22	1:A:523:PRO:HD2	1.85	0.58
1:A:133:ILE:HG23	1:A:136:ALA:HB2	1.86	0.58
1:A:455:PRO:HB2	1:A:458:LYS:HG3	1.86	0.56
1:A:247:CYS:HA	1:A:250:GLN:HB2	1.86	0.56
1:B:447:TRP:CE2	1:B:452:PRO:HG3	2.41	0.56
1:A:422:TRP:HB2	1:A:483:TYR:HB3	1.88	0.55
1:A:509:ARG:HD2	1:A:514:CYS:SG	2.46	0.55
1:B:399:ILE:HG23	1:B:404:ASP:HB2	1.88	0.55
1:A:359:THR:OG1	1:A:369:ASN:O	2.20	0.55
1:B:366:LEU:HD22	1:B:411:LYS:HB3	1.88	0.54
1:B:500:MET:HA	1:B:509:ARG:HH12	1.73	0.54
1:A:398:SER:H	1:A:486:LYS:HD2	1.73	0.54
1:B:232:PHE:HE2	1:B:266:LEU:HD23	1.73	0.54
1:B:560:LEU:HG	1:B:569:TYR:HB3	1.89	0.54
1:A:303:ASP:HB2	1:A:326:LEU:HB3	1.90	0.53
1:B:265:TYR:O	1:B:267:LYS:N	2.35	0.53
1:A:300:LEU:HD21	1:A:452:PRO:HG2	1.91	0.53
1:B:202:TYR:O	1:B:204:ARG:N	2.40	0.53
1:B:232:PHE:CE2	1:B:266:LEU:HD23	2.44	0.53
1:B:298:ASN:ND2	1:B:442:VAL:HG21	2.24	0.52
1:A:300:LEU:HA	1:A:327:TRP:CZ3	2.45	0.52
1:A:517:ILE:HD11	1:A:544:LEU:HG	1.92	0.52
1:A:500:MET:SD	1:A:500:MET:N	2.83	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:182:ASP:OD1	1:B:183:CYS:N	2.43	0.51
1:B:115:LEU:HD13	1:B:149:LEU:HD13	1.93	0.51
1:B:274:LYS:HD3	1:B:274:LYS:H	1.77	0.50
1:A:447:TRP:CE2	1:A:452:PRO:HG3	2.46	0.50
1:A:287:ARG:NH2	1:A:469:LEU:HD13	2.26	0.50
1:B:268:GLU:HG2	1:B:269:LYS:N	2.27	0.50
1:B:158:TYR:HA	1:B:168:PRO:HA	1.94	0.49
1:B:68:LYS:HB2	1:B:78:LEU:HD11	1.94	0.49
1:B:234:THR:HG23	1:B:273:ALA:HA	1.94	0.49
1:A:267:LYS:HD2	1:A:325:GLY:HA3	1.95	0.49
1:B:271:GLY:O	1:B:273:ALA:N	2.45	0.49
1:B:423:ILE:HG23	1:B:436:TRP:HZ3	1.77	0.49
1:B:229:CYS:O	1:B:341:ARG:HA	2.13	0.48
1:A:416:ASP:O	1:A:418:LYS:N	2.41	0.47
1:B:416:ASP:O	1:B:418:LYS:N	2.44	0.47
1:A:423:ILE:HD11	1:A:465:TYR:HD2	1.79	0.47
1:A:120:ARG:HG3	1:B:593:SER:HA	1.96	0.47
1:A:359:THR:HG22	1:A:490:GLU:HB3	1.96	0.47
1:A:182:ASP:OD1	1:A:183:CYS:N	2.44	0.46
1:A:86:LEU:HD13	1:A:94:GLU:O	2.15	0.46
1:A:65:LYS:HE2	1:A:65:LYS:HB3	1.85	0.46
1:B:562:ASP:OD2	1:B:568:GLU:N	2.49	0.46
1:A:255:LEU:HD21	1:A:266:LEU:HD13	1.97	0.46
1:A:287:ARG:HH12	1:A:471:GLN:HB3	1.80	0.46
1:B:234:THR:HG23	1:B:273:ALA:CA	2.46	0.46
1:A:505:GLU:O	1:A:516:LYS:HE3	2.17	0.45
1:B:267:LYS:HG3	1:B:322:ALA:O	2.17	0.45
1:B:301:ASN:HD22	1:B:326:LEU:HA	1.81	0.45
1:B:133:ILE:HG23	1:B:136:ALA:HB2	1.99	0.45
1:B:285:SER:HB3	1:B:290:GLU:HG2	1.98	0.45
1:B:561:ARG:HD3	1:B:563:VAL:HG13	1.99	0.45
1:A:287:ARG:NH2	1:A:446:TYR:OH	2.44	0.45
1:A:86:LEU:HD11	1:A:132:ALA:HB3	1.99	0.44
1:A:160:ARG:HB3	1:A:210:LEU:HD11	1.99	0.44
1:B:513:THR:HG22	1:B:624:LYS:HB2	1.98	0.44
1:A:244:TYR:HE2	1:A:551:SER:HB2	1.81	0.44
1:A:399:ILE:HG23	1:A:404:ASP:HB2	1.98	0.44
1:B:122:ARG:HD3	1:B:136:ALA:O	2.17	0.44
1:B:531:THR:HG23	1:B:571:TRP:CD2	2.52	0.44
1:B:504:ASP:HA	1:B:505:GLU:HA	1.82	0.44
1:A:518:TYR:HB2	1:A:621:SER:HB2	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:561:ARG:HG3	1:A:597:CYS:SG	2.58	0.43
1:A:160:ARG:NH1	1:A:161:ASP:OD2	2.47	0.43
1:A:510:HIS:HB2	1:A:540:TYR:CZ	2.54	0.43
1:B:550:LYS:HA	1:B:551:SER:HA	1.64	0.43
1:B:469:LEU:HD22	1:B:539:GLU:HG3	1.98	0.43
1:B:56:ALA:HB2	1:B:125:LEU:HD21	1.99	0.43
1:A:255:LEU:HD21	1:A:266:LEU:CD1	2.47	0.43
1:A:535:ARG:HG2	1:A:583:PHE:CE1	2.53	0.43
1:B:240:TRP:HB3	1:B:332:CYS:SG	2.58	0.43
1:B:382:TRP:HB3	1:B:477:CYS:SG	2.59	0.43
1:B:265:TYR:C	1:B:267:LYS:H	2.19	0.42
1:A:92:VAL:HG13	1:A:93:ASN:N	2.35	0.42
1:A:399:ILE:HD11	1:A:423:ILE:HD12	2.02	0.42
1:A:552:LEU:HB2	1:A:553:ARG:HH11	1.84	0.42
1:B:501:CYS:HB3	1:B:502:PRO:HD2	2.02	0.42
1:B:300:LEU:HD21	1:B:452:PRO:HG2	2.02	0.42
1:B:405:VAL:HA	1:B:408:VAL:HG22	2.02	0.42
1:A:95:LEU:HD11	1:A:123:LEU:HD12	2.01	0.42
1:A:121:TYR:CE1	1:B:567:GLY:HA3	2.55	0.41
1:A:422:TRP:CD1	1:A:481:LEU:HB2	2.55	0.41
1:A:60:ASP:O	1:A:61:GLU:C	2.59	0.41
1:A:158:TYR:CD2	1:A:238:LEU:HD21	2.56	0.41
1:B:530:LEU:HD12	1:B:622:ILE:O	2.20	0.41
1:A:522:VAL:HG11	1:A:527:ASN:OD1	2.20	0.41
1:B:244:TYR:HE2	1:B:551:SER:HB2	1.84	0.41
1:A:262:GLU:OE1	1:A:341:ARG:NH1	2.52	0.41
1:B:70:VAL:HG22	1:B:76:PHE:HB2	2.03	0.41
1:A:369:ASN:HB3	1:A:370:GLY:H	1.57	0.41
1:B:112:HIS:O	1:B:113:HIS:HB2	2.21	0.41
1:B:284:TYR:HE1	1:B:604:LYS:HE3	1.85	0.41
1:A:70:VAL:HG22	1:A:76:PHE:HB2	2.02	0.41
1:A:423:ILE:HD13	1:A:423:ILE:HA	1.88	0.41
1:A:425:LEU:HG	1:A:434:PHE:HB3	2.03	0.41
1:A:552:LEU:HB3	1:A:553:ARG:H	1.70	0.41
1:B:149:LEU:H	1:B:149:LEU:HD12	1.86	0.41
1:A:550:LYS:HA	1:A:551:SER:HA	1.63	0.41
1:B:268:GLU:H	1:B:268:GLU:CD	2.24	0.40
1:B:552:LEU:HB3	1:B:553:ARG:H	1.64	0.40
1:A:604:LYS:H	1:A:604:LYS:HG2	1.64	0.40
1:B:269:LYS:O	1:B:271:GLY:N	2.55	0.40
1:A:560:LEU:HD23	1:A:598:VAL:HG21	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:38:ILE:HG23	1:B:149:LEU:HD21	2.02	0.40
1:B:454:VAL:HA	1:B:455:PRO:HD3	1.95	0.40
1:A:112:HIS:O	1:A:113:HIS:HB2	2.22	0.40
1:A:553:ARG:N	1:A:553:ARG:HD2	2.36	0.40
1:B:368:ASN:OD1	1:B:407:VAL:HG11	2.20	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	550/603 (91%)	503 (92%)	47 (8%)	0	100	100
1	B	550/603 (91%)	502 (91%)	46 (8%)	2 (0%)	34	68
All	All	1100/1206 (91%)	1005 (91%)	93 (8%)	2 (0%)	47	78

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	273	ALA
1	B	272	ILE

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	495/530 (93%)	482 (97%)	13 (3%)	46	73
1	B	495/530 (93%)	483 (98%)	12 (2%)	49	74
All	All	990/1060 (93%)	965 (98%)	25 (2%)	47	73

All (25) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	42	ASN
1	A	46	CYS
1	A	60	ASP
1	A	114	SER
1	A	126	LYS
1	A	209	CYS
1	A	253	ASP
1	A	274	LYS
1	A	300	LEU
1	A	500	MET
1	A	509	ARG
1	A	550	LYS
1	A	582	THR
1	B	42	ASN
1	B	64	ASP
1	B	202	TYR
1	B	253	ASP
1	B	268	GLU
1	B	274	LYS
1	B	332	CYS
1	B	360	ARG
1	B	429	ASN
1	B	466	LEU
1	B	604	LYS
1	B	615	ARG

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1) such sidechains are listed below:

Mol	Chain	Res	Type
1	B	538	GLN

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 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	A	566/603 (93%)	-0.14	15 (2%) 54 57	41, 74, 114, 157	0
1	B	566/603 (93%)	-0.08	16 (2%) 53 55	38, 76, 122, 157	0
All	All	1132/1206 (93%)	-0.11	31 (2%) 54 57	38, 76, 118, 157	0

All (31) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	503	PRO	4.5
1	A	346	ASN	4.5
1	A	414	ASN	4.1
1	A	504	ASP	4.0
1	B	507	TRP	3.2
1	A	359	THR	3.1
1	A	61	GLU	3.0
1	B	418	LYS	2.9
1	A	360	ARG	2.9
1	A	627	SER	2.8
1	B	223	ASN	2.8
1	B	627	SER	2.7
1	A	135	ASN	2.7
1	B	508	LYS	2.6
1	B	625	LYS	2.6
1	B	502	PRO	2.6
1	B	414	ASN	2.6
1	B	503	PRO	2.5
1	B	222	LYS	2.5
1	A	222	LYS	2.5
1	B	216	CYS	2.4
1	B	187	GLU	2.4
1	B	417	ILE	2.3
1	B	367	PRO	2.3

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Mol	Chain	Res	Type	RSRZ
1	A	502	PRO	2.3
1	A	573	THR	2.3
1	B	504	ASP	2.1
1	A	42	ASN	2.1
1	B	359	THR	2.1
1	A	187	GLU	2.1
1	A	417	ILE	2.0

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

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

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

There are no ligands in this entry.

6.5 Other polymers [i](#)

There are no such residues in this entry.