



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 10:47 AM UTC

PDB ID : 1BZX / pdb_00001bzx
Title : THE CRYSTAL STRUCTURE OF ANIONIC SALMON TRYPSIN IN COM-
PLEX WITH BOVINE PANCREATIC TRYPSIN INHIBITOR
Authors : Helland, R.; Leiros, I.; Berglund, G.I.; Willassen, N.P.; Smalas, A.O.
Deposited on : 1998-11-05
Resolution : 2.10 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	:	4-5-2 with Phenix2.0
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

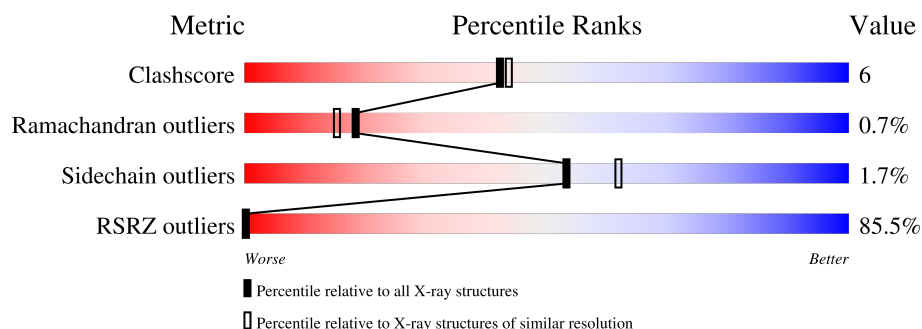
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.10 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))
Clashscore	190562	7164 (2.10-2.10)
Ramachandran outliers	187476	7099 (2.10-2.10)
Sidechain outliers	187428	7100 (2.10-2.10)
RSRZ outliers	180081	6662 (2.10-2.10)

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	E	222	86% 80% 18% .
2	I	58	74% 81% 17% .

2 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 2219 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 PROTEIN (TRYPSIN).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	E	222	Total	C	N	O	S	58	3	0
			1675	1046	280	330	19			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
E	24	PRO	ALA	conflict	UNP P35031
E	28	PRO	THR	conflict	UNP P35031

- Molecule 2 is a protein called PROTEIN (BOVINE PANCREATIC TRYPSIN INHIBITOR).

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	I	58	Total	C	N	O	S	19	1	0
			458	287	84	79	8			

- Molecule 3 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	E	1	Total	Ca	0	0
			1	1		

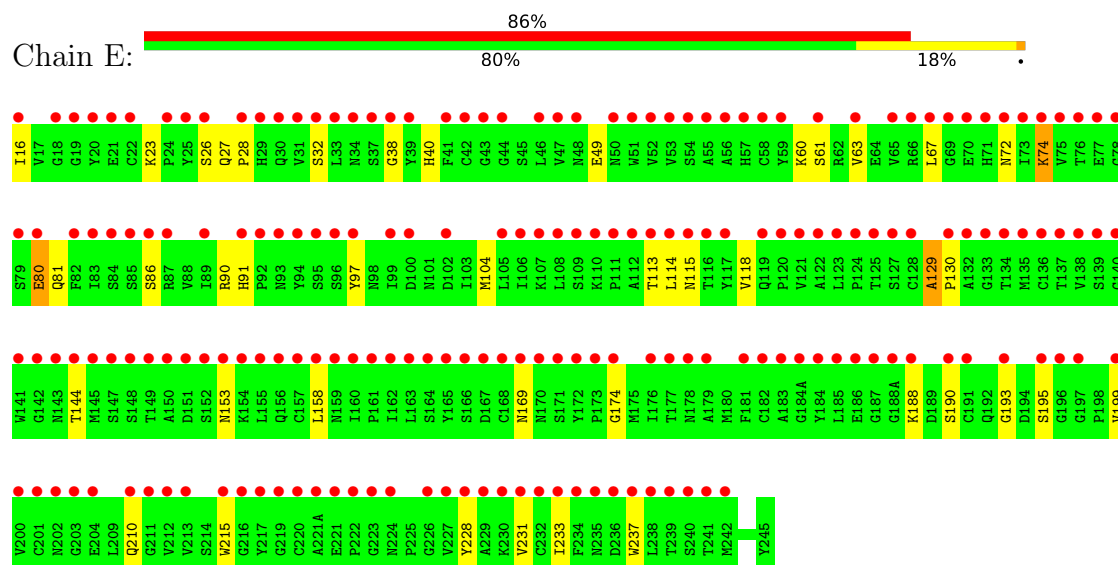
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	E	66	Total	O	0	0
			66	66		
4	I	19	Total	O	0	0
			19	19		

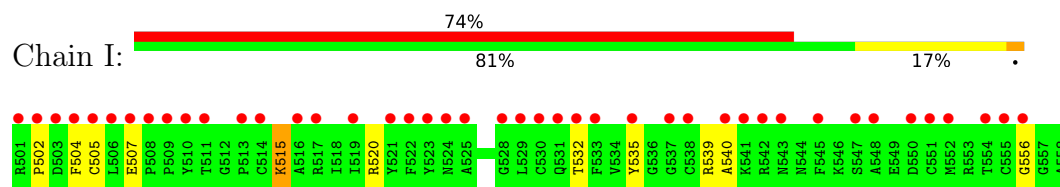
3 Residue-property plots

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: PROTEIN (TRYPSIN)



• Molecule 2: PROTEIN (BOVINE PANCREATIC TRYPSIN INHIBITOR)



4 Data and refinement statistics

Property	Value	Source
Space group	P 61 2 2	Depositor
Cell constants a, b, c, α , β , γ	84.12Å 84.12Å 222.15Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	8.00 – 2.10 8.00 – 2.13	Depositor EDS
% Data completeness (in resolution range)	97.3 (8.00-2.10) 93.6 (8.00-2.13)	Depositor EDS
R_{merge}	0.08	Depositor
R_{sym}	0.08	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.59 (at 2.14Å)	Xtriage
Refinement program	X-PLOR 3.8	Depositor
R, R_{free}	0.206 , 0.238 (Not available) , (Not available)	Depositor DCC
R_{free} test set	No test flags present.	wwPDB-VP
Wilson B-factor (Å ²)	38.3	Xtriage
Anisotropy	0.025	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.25 , 52.7	EDS
L-test for twinning ²	$\langle L \rangle = 0.48$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.71	EDS
Total number of atoms	2219	wwPDB-VP
Average B, all atoms (Å ²)	37.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.42% 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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: CA

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	E	0.64	0/1728	1.02	11/2351 (0.5%)
2	I	0.79	1/473 (0.2%)	0.97	0/632
All	All	0.67	1/2201 (0.0%)	1.01	11/2983 (0.4%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	I	515	LYS	C-N	-9.67	1.20	1.33

All (11) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	E	80	GLU	N-CA-C	9.71	123.66	110.55
1	E	129	ALA	CA-C-N	7.29	127.24	120.03
1	E	129	ALA	C-N-CA	7.29	127.24	120.03
1	E	38	GLY	N-CA-C	-7.24	105.86	114.48
1	E	23	LYS	N-CA-C	-6.30	100.23	109.50
1	E	86	SER	N-CA-C	-6.28	106.25	114.04
1	E	231	VAL	N-CA-C	6.06	116.81	110.62
1	E	190	SER	N-CA-C	-5.70	102.09	110.52
1	E	215	TRP	N-CA-C	5.23	115.04	108.45
1	E	27	GLN	CA-C-N	5.21	126.35	119.84
1	E	27	GLN	C-N-CA	5.21	126.35	119.84

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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	E	1675	0	1582	21	0
2	I	458	0	440	6	0
3	E	1	0	0	0	0
4	E	66	0	0	1	0
4	I	19	0	0	0	0
All	All	2219	0	2022	25	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 6.

All (25) 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:E:74:LYS:HE3	1:E:74:LYS:HA	1.69	0.74
2:I:504:PHE:O	2:I:507:GLU:HG2	2.00	0.62
2:I:502:PRO:HG2	2:I:505:CYS:SG	2.40	0.60
1:E:169:ASN:HD21	1:E:174:GLY:H	1.53	0.55
2:I:535:TYR:CZ	2:I:540:ALA:HB2	2.42	0.55
1:E:26:SER:C	1:E:28:PRO:HD3	2.32	0.53
1:E:114:LEU:HA	1:E:118:VAL:O	2.11	0.49
1:E:97:TYR:O	2:I:539:ARG:NH2	2.46	0.49
1:E:90:ARG:HA	1:E:104:MET:HB2	1.95	0.49
1:E:210:GLN:NE2	4:E:781:HOH:O	2.46	0.49
1:E:32:SER:OG	1:E:40:HIS:HD2	1.97	0.47
1:E:113:THR:O	1:E:115:ASN:ND2	2.48	0.47
1:E:60:LYS:HB2	1:E:63[B]:VAL:CG1	2.47	0.45
1:E:129:ALA:HA	1:E:130:PRO:HD3	1.67	0.45
1:E:74:LYS:HE3	1:E:74:LYS:CA	2.43	0.44
1:E:67:LEU:HD12	1:E:81:GLN:O	2.18	0.44
1:E:91:HIS:HA	1:E:237:TRP:CZ2	2.53	0.43
2:I:520:ARG:O	2:I:532:THR:HA	2.18	0.43
1:E:158:LEU:HD11	1:E:188:LYS:HB3	2.01	0.43
1:E:16:ILE:O	1:E:144:THR:HA	2.19	0.42
1:E:195:SER:OG	2:I:515:LYS:C	2.61	0.42
1:E:72:ASN:HA	1:E:153:ASN:O	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:40:HIS:HE1	1:E:193:GLY:O	2.02	0.42
1:E:199:VAL:HG21	1:E:228:TYR:CD2	2.54	0.42
1:E:169:ASN:ND2	1:E:174:GLY:H	2.16	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	E	223/222 (100%)	215 (96%)	7 (3%)	1 (0%)	30	28
2	I	57/58 (98%)	56 (98%)	0	1 (2%)	6	3
All	All	280/280 (100%)	271 (97%)	7 (2%)	2 (1%)	18	15

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	E	49	GLU
2	I	556	GLY

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	E	190/187 (102%)	186 (98%)	4 (2%)	47	54

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	I	47/46 (102%)	47 (100%)	0	100	100
All	All	237/233 (102%)	233 (98%)	4 (2%)	53	62

All (4) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	E	61	SER
1	E	74	LYS
1	E	80	GLU
1	E	233	ILE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (8) such sidechains are listed below:

Mol	Chain	Res	Type
1	E	30	GLN
1	E	40	HIS
1	E	50	ASN
1	E	101	ASN
1	E	169	ASN
1	E	202	ASN
1	E	210	GLN
2	I	531	GLN

5.3.3 RNA [i](#)

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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 1 ligands modelled in this entry, 1 is 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.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
2	I	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	I	515:LYS	C	516:ALA	N	1.20

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	E	219/222 (98%)	3.48	192 (87%) 0 0	14, 33, 57, 75	11 (5%)
2	I	56/58 (96%)	3.13	43 (76%) 0 0	17, 30, 57, 67	4 (7%)
All	All	275/280 (98%)	3.41	235 (85%) 0 0	14, 33, 57, 75	15 (5%)

All (235) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	E	147	SER	9.9
2	I	525	ALA	8.3
1	E	22	CYS	8.2
1	E	109	SER	7.3
2	I	502	PRO	7.2
1	E	133	GLY	6.8
1	E	117	TYR	6.8
1	E	132	ALA	6.7
1	E	20	TYR	6.3
1	E	188(A)	GLY	6.2
1	E	163	LEU	6.2
1	E	97	TYR	6.0
1	E	187	GLY	6.0
1	E	149	THR	6.0
1	E	239	THR	5.9
1	E	172	TYR	5.8
2	I	550	ASP	5.7
1	E	217	TYR	5.7
1	E	185	LEU	5.6
1	E	197	GLY	5.6
2	I	506	LEU	5.6
1	E	229	ALA	5.5
1	E	134	THR	5.4
1	E	193	GLY	5.4

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
2	I	503	ASP	5.4
1	E	38	GLY	5.4
1	E	148	SER	5.4
1	E	47	VAL	5.4
1	E	157	CYS	5.3
1	E	183	ALA	5.3
1	E	227	VAL	5.2
1	E	78	GLY	5.2
1	E	84	SER	5.1
1	E	121	VAL	5.1
1	E	203	GLY	5.1
1	E	204	GLU	5.0
1	E	159	ASN	5.0
1	E	181	PHE	5.0
1	E	236	ASP	4.9
1	E	136	CYS	4.8
1	E	237	TRP	4.7
1	E	174	GLY	4.7
1	E	113	THR	4.7
1	E	21	GLU	4.7
2	I	547	SER	4.7
1	E	125	THR	4.7
2	I	501	ARG	4.7
1	E	219	GLY	4.6
1	E	226	GLY	4.6
1	E	242	MET	4.5
1	E	233	ILE	4.5
1	E	143	ASN	4.5
2	I	537	GLY	4.4
1	E	212	VAL	4.4
1	E	44	GLY	4.3
1	E	213	VAL	4.3
1	E	200	VAL	4.3
1	E	184	TYR	4.3
1	E	89	ILE	4.3
2	I	523	TYR	4.3
1	E	94	TYR	4.2
1	E	240[A]	SER	4.2
2	I	528	GLY	4.2
2	I	504	PHE	4.2
1	E	108	LEU	4.2
2	I	505	CYS	4.2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	E	111	PRO	4.1
1	E	42	CYS	4.1
1	E	61	SER	4.1
1	E	165	TYR	4.1
2	I	511	THR	4.1
1	E	153	ASN	4.1
1	E	167	ASP	4.1
1	E	241	THR	4.1
1	E	190	SER	4.1
1	E	33	LEU	4.0
1	E	95	SER	4.0
1	E	201	CYS	4.0
1	E	48	ASN	4.0
1	E	29	HIS	4.0
1	E	123	LEU	4.0
1	E	63[A]	VAL	4.0
1	E	168	CYS	4.0
1	E	234	PHE	3.9
1	E	119	GLN	3.9
1	E	87	ARG	3.9
2	I	514	CYS	3.9
2	I	542	ARG	3.9
1	E	55	ALA	3.9
1	E	166	SER	3.9
2	I	533	PHE	3.9
2	I	556	GLY	3.9
1	E	128	CYS	3.9
1	E	100	ASP	3.8
1	E	138	VAL	3.8
1	E	231	VAL	3.8
1	E	195	SER	3.8
2	I	552[A]	MET	3.8
1	E	238	LEU	3.8
1	E	202	ASN	3.8
1	E	199	VAL	3.8
1	E	73	ILE	3.7
1	E	135	MET	3.8
1	E	59	TYR	3.7
1	E	215	TRP	3.7
1	E	85	SER	3.7
1	E	127	SER	3.7
1	E	92	PRO	3.7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	E	178	ASN	3.7
1	E	230	LYS	3.7
2	I	555	CYS	3.6
1	E	160	ILE	3.6
1	E	56	ALA	3.6
1	E	130	PRO	3.6
1	E	114	LEU	3.6
1	E	137	THR	3.6
1	E	150	ALA	3.6
1	E	151	ASP	3.5
2	I	532	THR	3.5
2	I	524	ASN	3.5
2	I	507	GLU	3.5
1	E	162	ILE	3.5
1	E	154	LYS	3.4
1	E	120	PRO	3.4
1	E	82	PHE	3.4
1	E	72	ASN	3.4
1	E	173	PRO	3.4
2	I	540	ALA	3.4
1	E	41	PHE	3.4
1	E	91	HIS	3.4
1	E	25	TYR	3.4
1	E	116	THR	3.4
1	E	75	VAL	3.4
1	E	28	PRO	3.4
2	I	530	CYS	3.3
1	E	177	THR	3.3
1	E	31	VAL	3.3
1	E	53	VAL	3.3
1	E	79	SER	3.3
1	E	176	ILE	3.3
1	E	93	ASN	3.3
2	I	545	PHE	3.3
1	E	191	CYS	3.2
1	E	19	GLY	3.2
1	E	223	GLY	3.2
1	E	86	SER	3.2
1	E	110	LYS	3.2
1	E	224	ASN	3.2
2	I	535	TYR	3.2
1	E	139	SER	3.2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	E	51	TRP	3.1
1	E	52	VAL	3.1
1	E	145	MET	3.1
1	E	80	GLU	3.1
2	I	509	PRO	3.1
1	E	221	GLU	3.1
1	E	67	LEU	3.1
1	E	184(A)	GLY	3.1
1	E	37	SER	3.1
1	E	211	GLY	3.0
1	E	235	ASN	3.0
1	E	155	LEU	3.0
1	E	83	ILE	3.0
2	I	551	CYS	3.0
1	E	186	GLU	3.0
1	E	228	TYR	3.0
1	E	54	SER	2.9
1	E	221(A)	ALA	2.9
1	E	69	GLY	2.9
1	E	115	ASN	2.9
2	I	554	THR	2.9
1	E	46	LEU	2.8
1	E	50	ASN	2.8
1	E	142	GLY	2.8
2	I	531	GLN	2.8
2	I	521	TYR	2.8
1	E	171	SER	2.8
1	E	156	GLN	2.7
1	E	182	CYS	2.7
2	I	510	TYR	2.7
1	E	188	LYS	2.7
1	E	141	TRP	2.7
2	I	548	ALA	2.6
1	E	76	THR	2.6
2	I	529	LEU	2.6
1	E	16	ILE	2.6
2	I	522	PHE	2.6
1	E	58	CYS	2.6
1	E	66	ARG	2.6
1	E	18	GLY	2.5
1	E	216	GLY	2.5
1	E	102	ASP	2.5

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	E	24	PRO	2.5
1	E	122	ALA	2.5
1	E	196	GLY	2.5
1	E	71	HIS	2.5
1	E	169	ASN	2.5
1	E	106	ILE	2.5
1	E	232	CYS	2.5
1	E	179	ALA	2.5
1	E	170	ASN	2.5
1	E	99	ILE	2.5
2	I	508	PRO	2.4
2	I	513	PRO	2.4
1	E	140	GLY	2.4
1	E	164	SER	2.4
1	E	70	GLU	2.4
1	E	39	TYR	2.4
2	I	519	ILE	2.4
2	I	543	ASN	2.3
1	E	43	GLY	2.3
2	I	517	ARG	2.3
1	E	112	ALA	2.3
1	E	96	SER	2.3
1	E	32	SER	2.3
1	E	222	PRO	2.3
1	E	77	GLU	2.2
1	E	57	HIS	2.2
1	E	107	LYS	2.2
1	E	124	PRO	2.2
2	I	516	ALA	2.2
1	E	105	LEU	2.2
1	E	152	SER	2.1
1	E	34	ASN	2.1
1	E	144	THR	2.1
1	E	210	GLN	2.1
1	E	65	VAL	2.1
1	E	158	LEU	2.0
1	E	30	GLN	2.0
1	E	220	CYS	2.0
1	E	161	PRO	2.0
1	E	74	LYS	2.0
1	E	26	SER	2.0
2	I	538	CYS	2.0

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
2	I	541	LYS	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 oligosaccharides in this entry.

6.4 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
3	CA	E	700	1/1	0.03	0.27	52,52,52,52	0

6.5 Other polymers [i](#)

There are no such residues in this entry.