Full wwPDB X-ray Structure Validation Report (i)

Dec 10, 2023 – 10:03 pm GMT

PDB ID	:	1GXR
Title	:	WD40 Region of Human Groucho/TLE1
Authors	:	Pearl, L.H.; Roe, S.M.; Pickles, L.M.
Deposited on	:	2002-04-10
Resolution	:	1.65 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 (i) 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 (1)) were used in the production of this report:

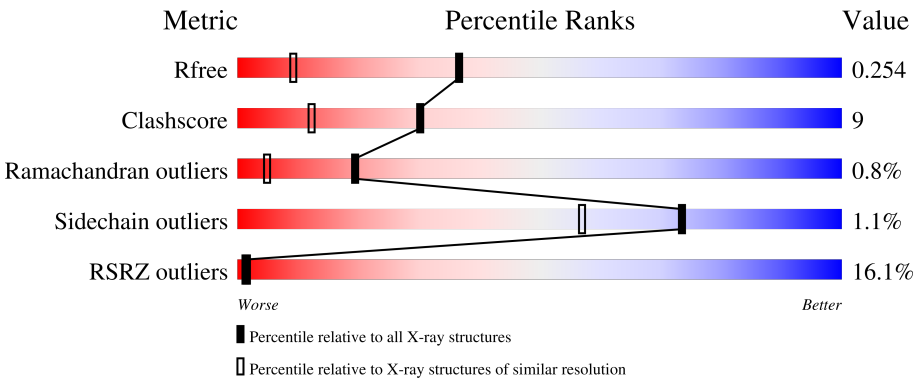
MolProbity	:	4.02b-467
Xtriage (Phenix)	:	1.13
EDS	:	2.36
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac	:	5.8.0158
CCP4	:	7.0.044 (Gargrove)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation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

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 1.65 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	1827 (1.66-1.66)
Clashscore	141614	1931 (1.66-1.66)
Ramachandran outliers	138981	1891 (1.66-1.66)
Sidechain outliers	138945	1891 (1.66-1.66)
RSRZ outliers	127900	1791 (1.66-1.66)

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 <=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	337	9% 82% 16%
1	B	337	22% 76% 19%

2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 5594 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 TRANSDUCIN-LIKE ENHANCER PROTEIN 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	335	2562	1613	442	490	17	0	0	0
1	B	324	2467	1558	422	471	16	0	0	0

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	464	ASP	THR	SEE REMARK 999	UNP Q04724
A	465	ALA	PRO	SEE REMARK 999	UNP Q04724
B	464	ASP	THR	SEE REMARK 999	UNP Q04724
B	465	ALA	PRO	SEE REMARK 999	UNP Q04724

- Molecule 2 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	Ca		
2	A	1	1	1	0	0

- Molecule 3 is water.

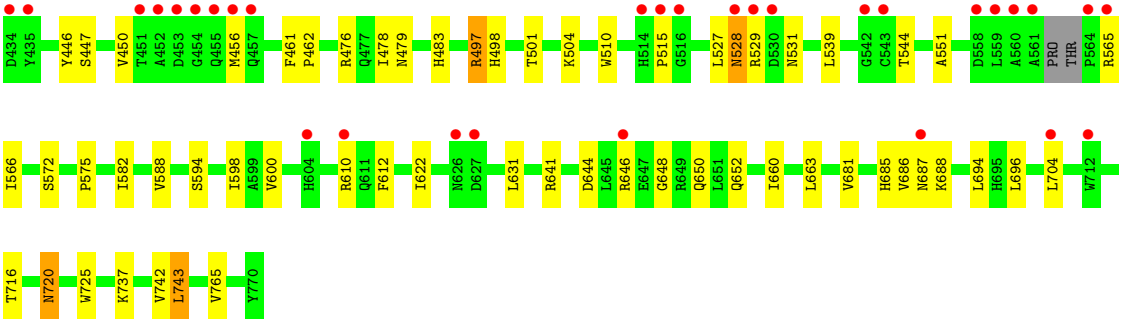
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
			Total	O		
3	A	335	335	335	0	0
3	B	229	229	229	0	0

3 Residue-property plots (i)

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.

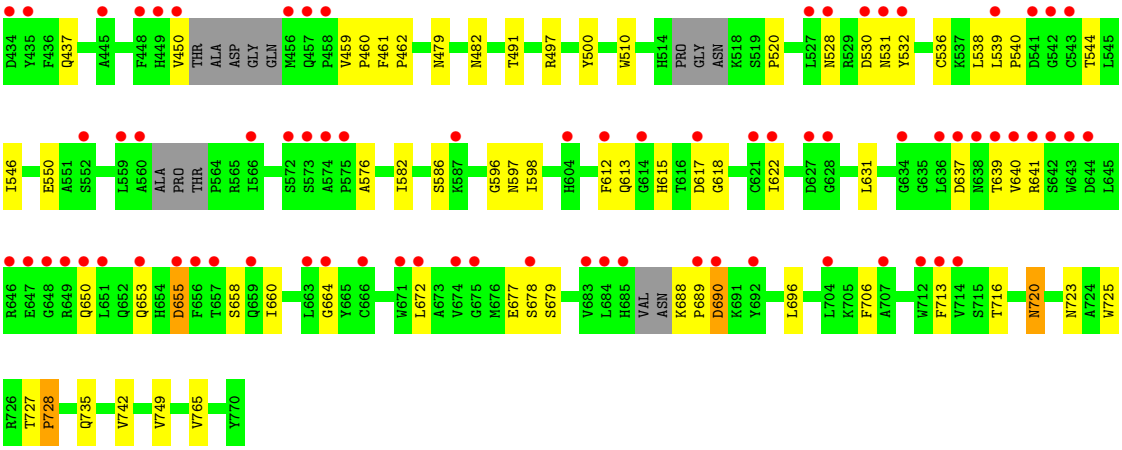
• Molecule 1: TRANSDUCIN-LIKE ENHANCER PROTEIN 1

Chain A:



• Molecule 1: TRANSDUCIN-LIKE ENHANCER PROTEIN 1

Chain B:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	62.41Å 56.66Å 102.03Å 90.00° 102.29° 90.00°	Depositor
Resolution (Å)	40.45 – 1.65 40.45 – 1.60	Depositor EDS
% Data completeness (in resolution range)	100.0 (40.45-1.65) 100.0 (40.45-1.60)	Depositor EDS
R_{merge}	0.06	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	4.11 (at 1.60Å)	Xtriage
Refinement program	CNS 1.1	Depositor
R, R_{free}	0.229 , 0.256 0.229 , 0.254	Depositor DCC
R_{free} test set	4185 reflections (4.55%)	wwPDB-VP
Wilson B-factor (Å^2)	23.2	Xtriage
Anisotropy	0.363	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.35 , 45.7	EDS
L-test for twinning[2]	$< \|L\| > = 0.50$, $< L^2 > = 0.33$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.95	EDS
Total number of atoms	5594	wwPDB-VP
Average B, all atoms (Å^2)	32.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 12.33% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ 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)

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	A	0.31	0/2626	0.64	0/3573
1	B	0.29	0/2525	0.57	0/3429
All	All	0.30	0/5151	0.61	0/7002

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	2562	0	2471	46	0
1	B	2467	0	2357	48	0
2	A	1	0	0	0	0
3	A	335	0	0	9	0
3	B	229	0	0	4	0
All	All	5594	0	4828	92	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 9.

All (92) 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:A:447:SER:H	1:B:437:GLN:HE22	1.24	0.84
1:B:658:SER:HB2	1:B:677:GLU:HB3	1.59	0.83
1:B:749:VAL:HG22	3:B:2053:HOH:O	1.79	0.80
1:B:622:ILE:HD11	1:B:631:LEU:HD11	1.65	0.76
1:B:528:ASN:HB3	1:B:531:ASN:ND2	2.10	0.65
1:B:720:ASN:HD22	1:B:720:ASN:N	1.95	0.65
1:A:483:HIS:HD2	1:A:501:THR:OG1	1.81	0.62
1:B:696:LEU:HB2	1:B:725:TRP:HH2	1.66	0.61
1:B:491:THR:HG22	1:B:500:TYR:HB2	1.84	0.60
1:A:641:ARG:HH11	1:A:650:GLN:HE22	1.50	0.60
1:A:446:TYR:H	1:B:437:GLN:NE2	2.00	0.59
1:B:696:LEU:HB2	1:B:725:TRP:CH2	2.37	0.59
1:A:572:SER:HB2	3:A:2198:HOH:O	2.01	0.59
1:A:720:ASN:HD22	1:A:720:ASN:N	2.01	0.58
1:A:716:THR:HB	1:A:742:VAL:HB	1.86	0.58
1:A:598:ILE:HB	1:A:612:PHE:HB2	1.86	0.58
1:A:644:ASP:OD1	1:A:646:ARG:HG2	2.05	0.57
1:A:504:LYS:HG2	1:A:529:ARG:O	2.05	0.56
1:B:550:GLU:HA	1:B:576:ALA:HB1	1.88	0.56
1:A:528:ASN:HB3	1:A:531:ASN:ND2	2.21	0.55
1:A:622:ILE:HD11	1:A:631:LEU:HD11	1.88	0.55
1:B:598:ILE:HB	1:B:612:PHE:HB2	1.89	0.54
1:B:528:ASN:HD21	1:B:530:ASP:HB2	1.72	0.54
1:B:479:ASN:HB2	1:B:765:VAL:HB	1.89	0.54
1:B:639:THR:HB	1:B:653:GLN:NE2	2.23	0.54
1:A:483:HIS:HE1	3:A:2059:HOH:O	1.90	0.53
1:A:660:ILE:HD12	1:A:660:ILE:N	2.23	0.53
1:A:539:LEU:HD13	1:A:582:ILE:HG21	1.91	0.53
1:B:716:THR:HB	1:B:742:VAL:HB	1.90	0.53
1:B:639:THR:HB	1:B:653:GLN:HE22	1.73	0.52
1:A:478:ILE:HG13	1:A:479:ASN:HD22	1.75	0.52
1:A:575:PRO:HG2	1:A:594:SER:OG	2.10	0.52
1:A:539:LEU:HD23	1:A:544:THR:HB	1.91	0.51
1:B:617:ASP:HB2	1:B:637:ASP:HB3	1.92	0.51
1:B:660:ILE:N	1:B:660:ILE:HD12	2.26	0.51
1:A:743:LEU:N	1:A:743:LEU:HD22	2.26	0.51
1:B:510:TRP:CH2	1:B:520:PRO:HG3	2.45	0.51
1:B:615:HIS:HB3	1:B:617:ASP:O	2.11	0.51
1:A:663:LEU:HA	1:A:704:LEU:HD21	1.92	0.50
1:B:640:VAL:CG2	1:B:660:ILE:HG12	2.42	0.50
1:B:655:ASP:HA	3:B:2143:HOH:O	2.11	0.50
1:A:479:ASN:HB2	1:A:765:VAL:HB	1.94	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:532:TYR:HB2	1:B:550:GLU:OE1	2.13	0.49
1:A:696:LEU:HB2	1:A:725:TRP:CH2	2.48	0.49
1:A:652:GLN:HG2	3:A:2194:HOH:O	2.13	0.49
1:B:546:ILE:HD12	1:B:582:ILE:HD11	1.95	0.48
1:B:640:VAL:HG23	1:B:660:ILE:HG12	1.94	0.48
1:B:596:GLY:N	1:B:618:GLY:HA2	2.29	0.48
1:A:565:ARG:HA	3:A:2113:HOH:O	2.15	0.47
1:B:500:TYR:CE1	1:B:538:LEU:HD11	2.50	0.47
1:B:531:ASN:HA	3:B:2071:HOH:O	2.13	0.47
1:B:641:ARG:HD3	1:B:650:GLN:CD	2.35	0.47
1:B:550:GLU:HA	1:B:576:ALA:CB	2.44	0.47
1:A:663:LEU:C	1:A:663:LEU:HD12	2.35	0.46
1:B:641:ARG:HD3	1:B:650:GLN:OE1	2.15	0.46
1:B:536:CYS:HA	1:B:546:ILE:O	2.16	0.46
1:B:540:PRO:HG2	1:B:586:SER:OG	2.16	0.46
1:A:450:VAL:HG22	1:A:456:MET:HG2	1.97	0.46
1:A:743:LEU:HD22	1:A:743:LEU:H	1.81	0.45
1:A:476:ARG:NH1	1:A:478:ILE:HG22	2.32	0.45
1:A:528:ASN:HD22	1:A:529:ARG:H	1.64	0.45
1:A:588:VAL:HG11	1:A:600:VAL:HG13	1.98	0.45
1:A:497:ARG:HB3	3:A:2055:HOH:O	2.17	0.45
1:A:479:ASN:ND2	3:A:2037:HOH:O	2.42	0.45
1:A:685:HIS:NE2	1:A:688:LYS:HD2	2.32	0.45
1:B:539:LEU:HD12	1:B:544:THR:HB	1.99	0.44
1:A:515:PRO:HB3	3:A:2068:HOH:O	2.16	0.44
1:B:688:LYS:HG2	1:B:689:PRO:N	2.33	0.44
1:B:723:ASN:ND2	1:B:735:GLN:HG2	2.32	0.44
1:B:450:VAL:O	1:B:690:ASP:HA	2.18	0.44
1:B:664:GLY:O	1:B:672:LEU:HD12	2.18	0.44
1:A:737:LYS:HE3	3:A:2304:HOH:O	2.17	0.44
1:B:637:ASP:O	1:B:639:THR:HG23	2.18	0.44
1:A:566:ILE:O	1:A:566:ILE:HG23	2.18	0.44
1:B:720:ASN:N	1:B:720:ASN:ND2	2.61	0.44
1:A:461:PHE:HA	1:A:462:PRO:HD3	1.89	0.44
1:B:482:ASN:ND2	3:B:2040:HOH:O	2.50	0.44
1:A:527:LEU:HD22	1:A:551:ALA:HB3	2.00	0.43
1:B:723:ASN:HD22	1:B:735:GLN:HG2	1.83	0.43
1:B:461:PHE:HA	1:B:462:PRO:HD3	1.90	0.43
1:B:459:VAL:HA	1:B:460:PRO:HD3	1.89	0.43
1:A:497:ARG:HE	1:A:498:HIS:CE1	2.36	0.43
1:A:504:LYS:HE2	3:A:2043:HOH:O	2.19	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:681:VAL:HB	1:A:694:LEU:HB2	2.02	0.42
1:B:597:ASN:OD1	1:B:613:GLN:HG2	2.20	0.42
1:B:727:THR:HA	1:B:728:PRO:HA	1.88	0.41
1:A:610:ARG:CZ	1:A:648:GLY:HA3	2.50	0.41
1:B:706:PHE:HA	1:B:713:PHE:CB	2.51	0.41
1:A:498:HIS:HA	1:A:510:TRP:O	2.20	0.41
1:A:686:VAL:HG12	1:A:687:ASN:ND2	2.36	0.41
1:A:610:ARG:HH11	1:A:610:ARG:HG2	1.85	0.41
1:A:497:ARG:HG3	1:A:498:HIS:ND1	2.37	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	331/337 (98%)	317 (96%)	13 (4%)	1 (0%)	41 22
1	B	314/337 (93%)	292 (93%)	18 (6%)	4 (1%)	12 1
All	All	645/674 (96%)	609 (94%)	31 (5%)	5 (1%)	19 5

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	B	679	SER
1	B	678	SER
1	B	497	ARG
1	B	690	ASP
1	A	497	ARG

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	283/288 (98%)	280 (99%)	3 (1%)	73	57
1	B	268/288 (93%)	265 (99%)	3 (1%)	73	57
All	All	551/576 (96%)	545 (99%)	6 (1%)	73	57

All (6) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	528	ASN
1	A	720	ASN
1	A	743	LEU
1	B	655	ASP
1	B	720	ASN
1	B	728	PRO

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (21) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	479	ASN
1	A	483	HIS
1	A	528	ASN
1	A	531	ASN
1	A	650	GLN
1	A	652	GLN
1	A	680	ASN
1	A	687	ASN
1	A	720	ASN
1	A	735	GLN
1	B	437	GLN
1	B	449	HIS
1	B	482	ASN
1	B	528	ASN
1	B	531	ASN
1	B	605	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	B	606	GLN
1	B	652	GLN
1	B	720	ASN
1	B	723	ASN
1	B	735	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 monosaccharides 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)

There are no chain breaks in this entry.

6 Fit of model and data (i)

6.1 Protein, DNA and RNA chains (i)

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	335/337 (99%)	0.58	31 (9%)	8	7	15, 24, 47, 59	0
1	B	324/337 (96%)	1.20	75 (23%)	0	0	16, 35, 50, 58	0
All	All	659/674 (97%)	0.88	106 (16%)	1	1	15, 29, 50, 59	0

All (106) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	561	ALA	14.0
1	A	454	GLY	10.8
1	A	452	ALA	9.2
1	B	655	ASP	8.0
1	B	649	ARG	7.3
1	B	647	GLU	6.5
1	A	435	TYR	6.5
1	B	651	LEU	6.3
1	B	646	ARG	6.0
1	B	456	MET	5.8
1	A	453	ASP	5.3
1	B	617	ASP	5.0
1	B	628	GLY	5.0
1	B	689	PRO	4.8
1	A	515	PRO	4.4
1	B	532	TYR	4.4
1	A	516	GLY	4.3
1	B	614	GLY	4.3
1	A	451	THR	4.2
1	A	604	HIS	4.2
1	A	559	LEU	4.1
1	B	552	SER	4.1
1	B	450	VAL	4.0
1	B	527	LEU	3.9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	A	646	ARG	3.9
1	A	565	ARG	3.9
1	A	514	HIS	3.8
1	B	644	ASP	3.8
1	B	435	TYR	3.7
1	B	678	SER	3.6
1	B	683	VAL	3.6
1	B	653	GLN	3.5
1	B	560	ALA	3.5
1	B	657	THR	3.4
1	B	648	GLY	3.4
1	B	636	LEU	3.4
1	B	575	PRO	3.3
1	B	543	CYS	3.3
1	A	455	GLN	3.3
1	B	656	PHE	3.3
1	A	456	MET	3.3
1	B	449	HIS	3.2
1	B	530	ASP	3.2
1	B	637	ASP	3.2
1	B	690	ASP	3.1
1	B	672	LEU	3.1
1	A	457	GLN	3.1
1	B	627	ASP	3.1
1	B	573	SER	3.0
1	A	560	ALA	3.0
1	B	674	VAL	3.0
1	A	530	ASP	3.0
1	A	564	PRO	3.0
1	B	704	LEU	2.9
1	B	445	ALA	2.9
1	B	638	ASN	2.9
1	B	559	LEU	2.9
1	A	434	ASP	2.9
1	A	626	ASN	2.8
1	B	663	LEU	2.8
1	A	543	CYS	2.8
1	A	528	ASN	2.8
1	B	643	TRP	2.8
1	B	659	GLN	2.7
1	B	650	GLN	2.7
1	B	458	PRO	2.7

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	B	692	TYR	2.6
1	A	712	TRP	2.6
1	B	685	HIS	2.6
1	B	664	GLY	2.6
1	B	587	LYS	2.6
1	B	531	ASN	2.6
1	B	712	TRP	2.5
1	B	566	ILE	2.5
1	B	671	TRP	2.4
1	A	558	ASP	2.4
1	B	642	SER	2.4
1	A	704	LEU	2.4
1	B	541	ASP	2.4
1	B	604	HIS	2.4
1	A	610	ARG	2.4
1	B	641	ARG	2.3
1	B	612	PHE	2.3
1	B	457	GLN	2.3
1	B	572	SER	2.3
1	A	529	ARG	2.3
1	B	675	GLY	2.3
1	B	714	VAL	2.3
1	B	528	ASN	2.3
1	B	434	ASP	2.2
1	B	666	CYS	2.2
1	A	687	ASN	2.2
1	A	627	ASP	2.2
1	B	684	LEU	2.2
1	B	621	CYS	2.1
1	B	634	GLY	2.1
1	B	542	GLY	2.1
1	B	640	VAL	2.1
1	B	574	ALA	2.1
1	B	713	PHE	2.1
1	B	639	THR	2.1
1	B	622	ILE	2.1
1	B	707	ALA	2.0
1	B	448	PHE	2.0
1	B	539	LEU	2.0
1	A	542	GLY	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)

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
2	CA	A	1003	1/1	0.95	0.25	41,41,41,41	0

6.5 Other polymers (i)

There are no such residues in this entry.