

Integrative Structure Validation Report

July 22, 2024 - 05:36 PM PDT

The following software was used in the production of this report:

Python-IHM Version 1.3

MolProbity Version 4.5.2

Integrative Modeling Validation Version 1.2

PDB ID	9A48
PDB-Dev ID	PDBDEV_00000229
Structure Title	Man9 fully-glycosylated model of mouse N-cadherin EC1-EC5
Structure Authors	Tsai, Y.-X.; Chang, H.-T.; Wang, Y.-S.; Hsu, M.-F.; Hanus, C.; Sikora, M.; Hsu, S.-T.D.

This is a PDB-Dev IM Structure Validation Report for a publicly released PDB-Dev entry.

We welcome your comments at pdb-dev@mail.wwpdb.org

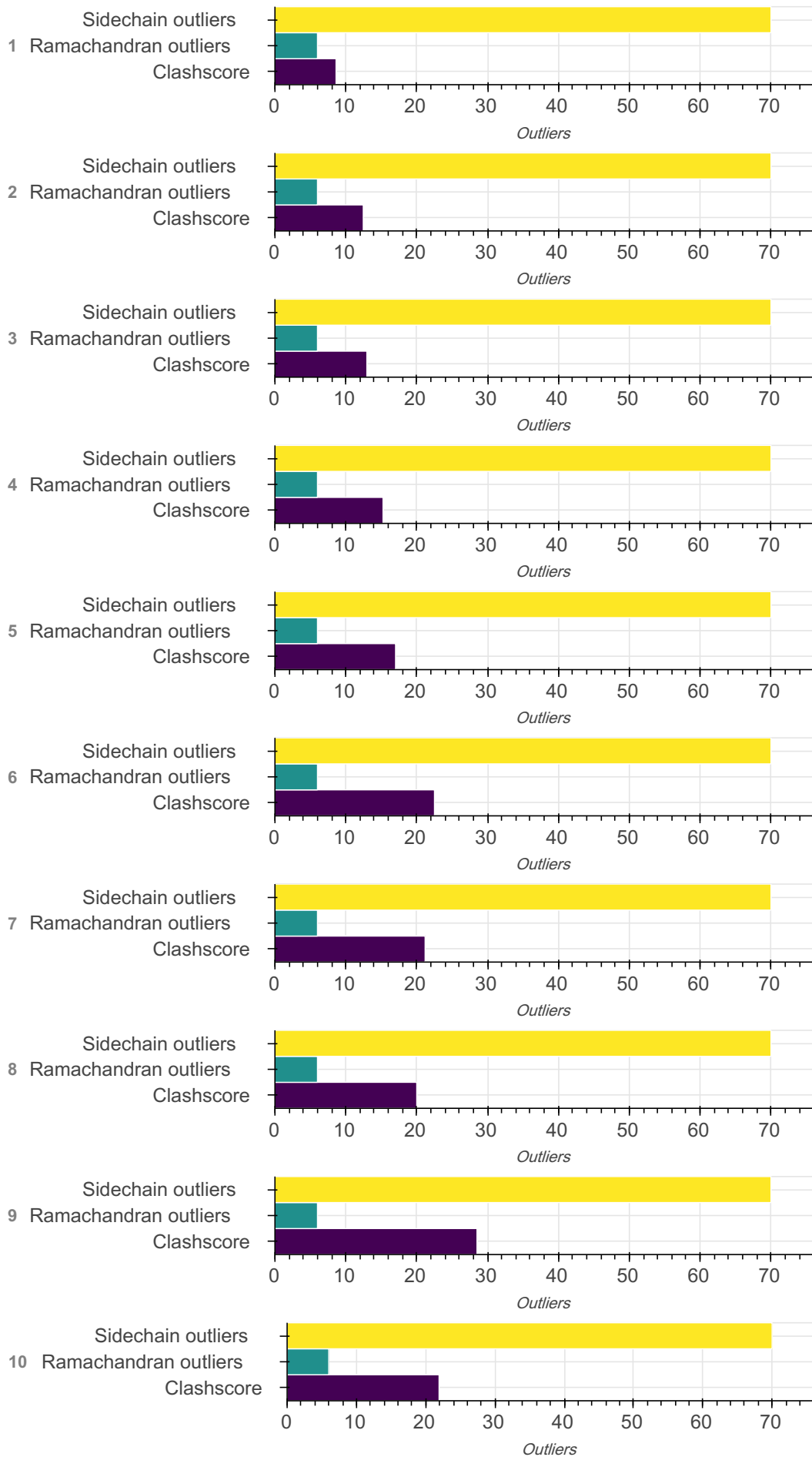
A user guide is available at https://pdb-dev.wwpdb.org/validation_help.html with specific help available everywhere you see the  symbol.

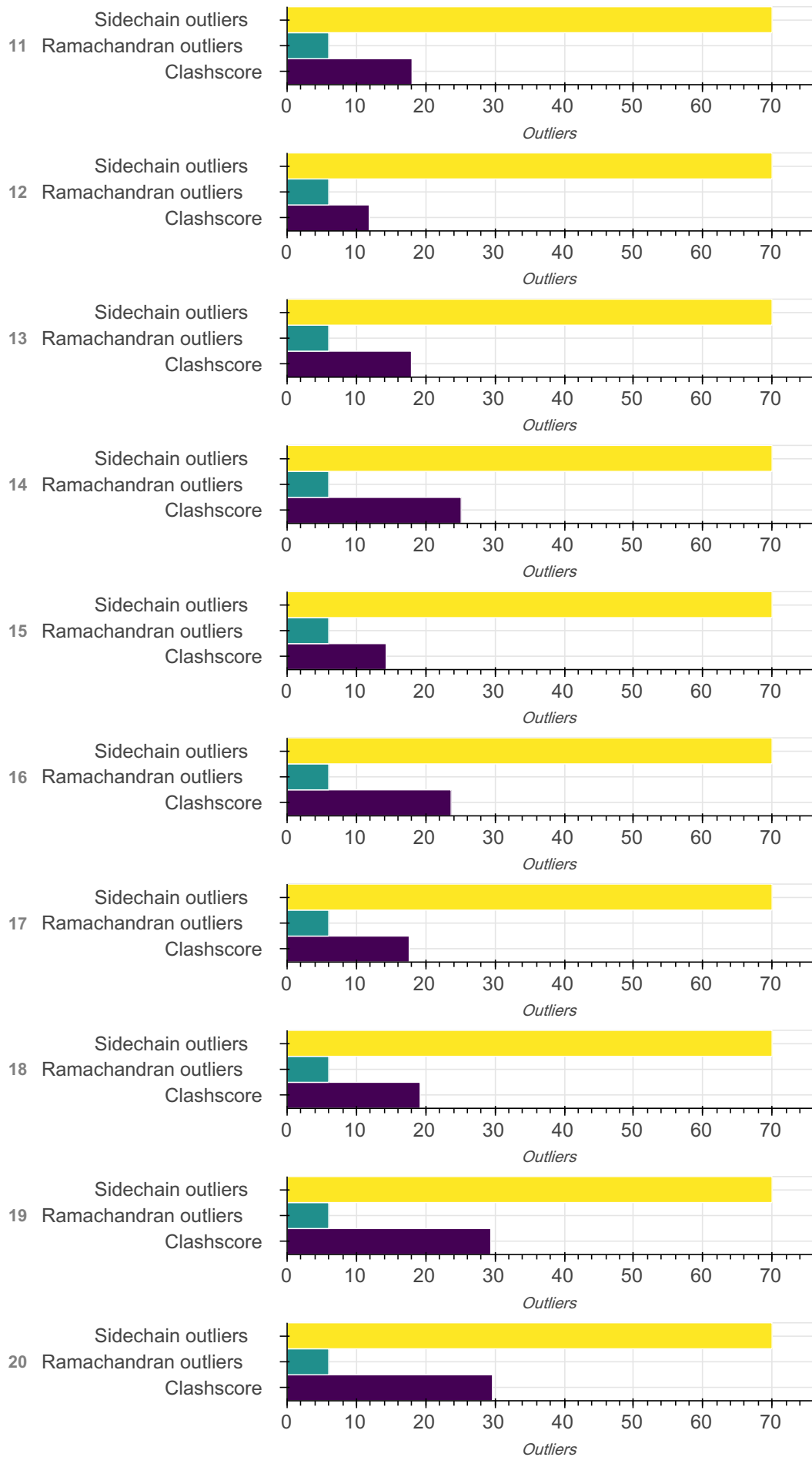
List of references used to build this report is available [here](#).

Overall quality

This validation report contains model quality assessments for all structures, data quality assessment for SAS datasets and fit to model assessments for SAS datasets. Data quality and fit to model assessments for other datasets and model uncertainty are under development. Number of plots is limited to 256.

Model Quality: MolProbity Analysis





Ensemble information ?

This entry consists of 1 distinct ensemble(s).

Summary ?

This entry consists of 20 unique models, with 18 subunits in each model. A total of 2 datasets or restraints were used to build this entry. Each model is represented by 0 rigid bodies and 18 flexible or non-rigid units.

Entry composition ?

There are 20 unique types of models in this entry. These models are titled None, None, None, None, None, None, None, None, None, None, None, None, None, None, None, None, None, None, None, None respectively.

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	1	1	Cadherin-2	A	A	541
1	2	1	Cadherin-2	B	B	541
1	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
1	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
1	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
1	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
1	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
1	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
1	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
1	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
1	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
1	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
1	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
2	1	1	Cadherin-2	A	A	541
2	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
2	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
2	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
2	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
2	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
2	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
2	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
2	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
2	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
2	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
2	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
3	1	1	Cadherin-2	A	A	541
3	2	1	Cadherin-2	B	B	541
3	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
3	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
3	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
3	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
3	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
3	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
3	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
3	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
3	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
3	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
3	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
4	1	1	Cadherin-2	A	A	541
4	2	1	Cadherin-2	B	B	541
4	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
4	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
4	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
4	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
4	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
4	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
4	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
4	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
4	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
4	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
4	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
5	1	1	Cadherin-2	A	A	541
5	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
5	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
5	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
5	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
5	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
5	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
5	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
5	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
5	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
5	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
5	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
6	1	1	Cadherin-2	A	A	541
6	2	1	Cadherin-2	B	B	541
6	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
6	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
6	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
6	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
6	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
6	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
6	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
6	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
6	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
6	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
6	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
7	1	1	Cadherin-2	A	A	541
7	2	1	Cadherin-2	B	B	541
7	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
7	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
7	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
7	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
7	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
7	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
7	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
7	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
7	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
7	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
7	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
8	1	1	Cadherin-2	A	A	541
8	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
8	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
8	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
8	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
8	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
8	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
8	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
8	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
8	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
8	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
8	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
9	1	1	Cadherin-2	A	A	541
9	2	1	Cadherin-2	B	B	541
9	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
9	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
9	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
9	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
9	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
9	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
9	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
9	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
9	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
9	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
9	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
10	1	1	Cadherin-2	A	A	541
10	2	1	Cadherin-2	B	B	541
10	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
10	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
10	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
10	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
10	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
10	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
10	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
10	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
10	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
10	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
10	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
11	1	1	Cadherin-2	A	A	541
11	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
11	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
11	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
11	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
11	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
11	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
11	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
11	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
11	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
11	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
11	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
12	1	1	Cadherin-2	A	A	541
12	2	1	Cadherin-2	B	B	541
12	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
12	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
12	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
12	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
12	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
12	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
12	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
12	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
12	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
12	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
12	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
13	1	1	Cadherin-2	A	A	541
13	2	1	Cadherin-2	B	B	541
13	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
13	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
13	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
13	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
13	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
13	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
13	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
13	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
13	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
13	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
13	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
14	1	1	Cadherin-2	A	A	541
14	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
14	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
14	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
14	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
14	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
14	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
14	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
14	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
14	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
14	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
14	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
15	1	1	Cadherin-2	A	A	541
15	2	1	Cadherin-2	B	B	541
15	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
15	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
15	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
15	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
15	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
15	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
15	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
15	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
15	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
15	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
15	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
16	1	1	Cadherin-2	A	A	541
16	2	1	Cadherin-2	B	B	541
16	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
16	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
16	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
16	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
16	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
16	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
16	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
16	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
16	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
16	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
16	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
17	1	1	Cadherin-2	A	A	541
17	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
17	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
17	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
17	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
17	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
17	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
17	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
17	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
17	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
17	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
17	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
18	1	1	Cadherin-2	A	A	541
18	2	1	Cadherin-2	B	B	541
18	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
18	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
18	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
18	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
18	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
18	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
18	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
18	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
18	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
18	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
18	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
19	1	1	Cadherin-2	A	A	541
19	2	1	Cadherin-2	B	B	541
19	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
19	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11
19	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
19	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11
19	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
19	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11
19	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
19	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11
19	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
19	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11
19	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11
20	1	1	Cadherin-2	A	A	541
20	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	3	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	11
20	4	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	11
20	5	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	6	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	11
20	7	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	11
20	8	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	9	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	11
20	10	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	11
20	11	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	12	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	11
20	13	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	11
20	14	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	15	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	11
20	16	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	11
20	17	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	11

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	18	2	alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	11

Datasets used for modeling

There are 2 unique datasets used to build the models in this entry.

ID	Dataset type	Database name	Data access code
1	SAS data	SASBDB	SASDT35
2	Other	PDB	3Q2W

Representation

This entry has only one representation and includes 0 rigid bodies and 18 flexible units

Chain ID	Rigid bodies	Non-rigid segments
A	-	1-541
B	-	1-541
C	-	1-11
D	-	1-11
E	-	1-11
F	-	1-11

Chain ID	Rigid bodies	Non-rigid segments
G	-	1-11
H	-	1-11
I	-	1-11
J	-	1-11
K	-	1-11
L	-	1-11
M	-	1-11
N	-	1-11
O	-	1-11
P	-	1-11
Q	-	1-11
R	-	1-11

Methodology and software

This entry is a result of 1 distinct protocol(s).

Step number	Protocol ID	Method name	Method type	Method description	Number of computed models	Multi state modeling	Multi scale modeling
1	1	Use GlycoSHIELD, the tool we have developed, to graft MD-simulated glycan ensemble onto the x-ray protein structure (PDB ID: 3Q2W).	None	The starting model is the same x-ray diffraction data mentioned in the input datasets. PDB id: 3Q2W	20	False	False

There are 3 software packages reported in this entry.

ID	Software name	Software version	Software classification	Software location
1	GlycoSHIELD	Not available	model building	https://github.com/GlycoSHIELD-MD/GlycoSHIELD-MD
2	GASBOR	Not available	model building	https://www.embl-hamburg.de/biosaxs/gasbor.html
3	FoXSDock	Not available	data analysis	https://modbase.compbio.ucsf.edu/foxsdock/

Data quality

SAS:Scattering profile

SAS data used in this integrative model could not be validated as the sascif file is currently unavailable.

Model quality

For models with atomic structures, molprobability analysis is performed. For models with coarse-grained or multi-scale structures, excluded volume analysis is performed.

Standard geometry: bond outliers

Bond length outliers can not be evaluated for this model

Standard geometry: angle outliers

There are 323 angle outliers in this entry. A summary is provided below, and a detailed list of outliers can be found [here](#).

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
N-CA-CB	110.50	90.63	40
N-CA-C	111.00	133.93	40
C1-C2-O2	106.80	123.74	2
C1-C2-O2	106.80	123.48	2
C3-C4-O4	107.29	123.59	2
C3-C4-O4	107.29	123.58	2
C3-C4-O4	107.06	123.28	1

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C3-C4-O4	107.29	123.50	2
C3-C4-O4	107.06	123.26	1
C5-C4-O4	111.70	95.52	2
C3-C4-O4	107.29	122.94	2
C3-C4-O4	107.29	122.76	2
C3-C4-O4	107.29	122.63	2
C3-C4-O4	107.06	122.30	2
C3-C4-O4	107.29	122.47	2
C3-C4-O4	107.29	122.27	2
C3-C4-O4	107.29	122.17	2
C1-O5-C5	118.82	104.10	2
C1-O5-C5	118.82	104.20	2
C3-C4-O4	107.29	121.89	2
C1-O5-C5	118.82	104.62	2
C3-C4-O4	107.29	121.41	2
C3-C4-O4	107.29	121.40	2
C1-C2-O2	106.80	120.82	2
C1-C2-O2	106.80	120.74	2
C3-C4-O4	107.29	121.22	2
C1-C2-O2	106.80	120.73	2
C1-C2-O2	106.80	120.68	2
C1-O5-C5	118.82	104.94	2
C1-C2-O2	106.80	120.59	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C5-C6-O6	109.08	122.83	2
C3-C4-O4	107.29	120.98	2
C3-C4-O4	107.29	120.97	4
C3-C4-O4	107.29	120.95	2
C1-C2-O2	106.80	120.39	1
C3-C4-O4	107.29	120.86	2
C1-O5-C5	118.82	105.26	2
C1-C2-O2	106.80	120.34	1
C3-C4-O4	107.06	120.57	2
C3-C4-O4	107.29	120.77	2
C3-C4-O4	107.29	120.72	2
C1-C2-O2	106.80	120.21	2
C3-C4-O4	107.29	120.69	2
C3-C4-O4	107.29	120.63	2
C3-C4-O4	107.06	120.32	2
C1-C2-O2	108.40	121.60	2
C3-C4-O4	107.29	120.48	2
C1-C2-O2	108.40	121.58	2
C3-C4-O4	107.29	120.44	2
C3-C4-O4	107.29	120.43	2
C3-C4-O4	107.29	120.42	2
N-CA-CB	110.50	117.92	40
C3-C4-O4	107.29	120.39	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C3-C4-O4	107.29	120.38	2
C1-C2-O2	106.80	119.79	2
C1-C2-O2	106.80	119.75	2
C3-C4-O4	107.06	119.96	1
C3-C4-O4	107.06	119.94	1
C3-C4-O4	107.06	119.90	2
C5-C6-O6	107.65	120.46	2
C5-C4-O4	111.70	98.89	2
C5-C4-O4	111.70	98.96	2
C5-C4-O4	111.70	98.98	4
C3-C4-O4	107.29	119.98	2
C2-C3-O3	107.58	120.26	2
C5-C4-O4	111.70	99.05	2
C1-C2-O2	106.80	119.40	1
C1-C2-O2	106.80	119.39	1
C5-C4-O4	111.70	99.14	2
C1-C2-O2	108.40	120.92	2
C3-C4-O4	107.29	119.77	1
C3-C4-O4	107.29	119.76	1
C2-C3-O3	107.58	120.05	2
C1-C2-O2	108.40	120.86	1
C3-C4-O4	107.29	119.74	2
C1-C2-O2	108.40	120.85	1

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C5-C4-O4	111.70	99.28	2
C4-C5-C6	111.68	124.09	2
C3-C4-O4	107.06	119.45	4
C5-C4-O4	111.70	99.31	4
C5-C4-O4	111.70	99.32	2
C3-C4-O4	107.29	119.66	2
C1-C2-O2	106.80	119.17	2
C3-C4-O4	107.29	119.63	2
C3-C4-O4	107.29	119.62	2
C3-C4-O4	107.06	119.39	2
C3-C4-O4	107.29	119.53	2
C3-C4-O4	107.29	119.52	2
C4-C5-O5	109.06	96.84	2
C3-C4-O4	107.29	119.50	2
C3-C4-O4	107.29	119.48	2
C5-C4-O4	111.70	99.51	2
C3-C4-O4	107.29	119.47	2
C5-C4-O4	111.70	99.52	2
C3-C4-O4	107.29	119.42	2
C1-C2-O2	106.80	118.92	2
C2-C3-O3	107.58	119.68	2
C1-C2-O2	106.80	118.90	2
C3-C4-O4	107.29	119.38	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C4-C5-C6	111.68	123.75	1
C1-C2-O2	106.80	118.87	2
C1-C2-O2	106.80	118.86	4
C4-C5-C6	111.68	123.74	1
C5-C4-O4	111.70	99.69	2
C3-C4-O4	107.29	119.30	1
C3-C4-O4	107.06	119.06	2
C3-C4-O4	107.29	119.29	2

Too-close contacts

The following all-atom clashscore is based on a MolProbity analysis. All-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The table below contains clashscores for all the models in this entry.

Model ID	Clash score	Number of clashes
1	8.62	99
2	12.46	143
3	12.97	149
4	15.25	175
5	17.02	195
6	22.51	258
7	21.19	243
8	20.01	229
9	28.51	327
10	21.93	251
11	18.03	207

Model ID	Clash score	Number of clashes
12	11.85	136
13	17.94	206
14	25.12	287
15	14.30	164
16	23.67	271
17	17.62	202
18	19.20	220
19	29.39	337
20	29.64	340

All 4439 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:517:GLU:CD	M:4:MAN:O6	1.088
1	A:517:GLU:CD	E:4:MAN:O6	1.086
1	A:166:ASN:HB3	C:1:NAG:C1	1.053
1	B:166:ASN:HB3	O:1:NAG:C1	1.052
1	B:517:GLU:O	M:2:NAG:CT	1.023
1	A:517:GLU:O	E:2:NAG:CT	1.022
1	A:517:GLU:OE1	E:4:MAN:O6	0.958
1	B:517:GLU:OE1	M:4:MAN:O6	0.957
1	A:330:ILE:HG21	I:8:MAN:O4	0.915
1	A:413:ASN:CG	D:1:NAG:C1	0.894
1	A:452:GLU:OE2	H:8:MAN:O4	0.861
1	B:452:GLU:OE2	R:8:MAN:O4	0.859

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:501:ASP:OD2	A:502:PHE:HD2	0.837
1	B:501:ASP:OD2	B:502:PHE:HD2	0.835
1	A:499:ASN:H	A:499:ASN:HD22	0.765
1	B:499:ASN:HD21	B:502:PHE:HB2	0.764
1	A:499:ASN:HD21	A:502:PHE:HB2	0.763
1	B:499:ASN:H	B:499:ASN:HD22	0.762
1	A:501:ASP:OD2	A:502:PHE:CD2	0.756
1	B:501:ASP:OD2	B:502:PHE:CD2	0.754
1	B:463:ASN:O	R:1:NAG:O6	0.741
1	A:463:ASN:O	H:1:NAG:O6	0.739
1	A:330:ILE:CG2	I:8:MAN:O4	0.710
1	A:498:LEU:HB2	A:502:PHE:O	0.691
1	B:498:LEU:HB2	B:502:PHE:O	0.690
1	A:413:ASN:CB	D:1:NAG:C1	0.684
1	B:499:ASN:N	B:499:ASN:ND2	0.675
1	A:499:ASN:N	A:499:ASN:ND2	0.674
1	A:499:ASN:H	A:499:ASN:ND2	0.671
1	A:114:ASN:ND2	J:1:NAG:C1	0.670
1	B:114:ASN:ND2	K:1:NAG:C1	0.669
1	B:499:ASN:H	B:499:ASN:ND2	0.669
1	A:114:ASN:CG	J:1:NAG:C1	0.646
1	B:114:ASN:CG	K:1:NAG:C1	0.646
1	B:28:ARG:CG	B:28:ARG:HH11	0.614

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:533:ILE:O	F:1:NAG:O6	0.614
1	B:533:ILE:O	P:1:NAG:O6	0.613
1	A:28:ARG:CG	A:28:ARG:HH11	0.612
1	A:341:ASN:HB3	A:342:PRO:HD3	0.610
1	B:341:ASN:HB3	B:342:PRO:HD3	0.610
1	A:409:ASN:HD22	A:410:ASN:H	0.592
1	A:447:LEU:HB3	A:448:PRO:HD3	0.591
1	B:409:ASN:HD22	B:410:ASN:H	0.591
1	A:413:ASN:OD1	D:1:NAG:C1	0.584
1	A:517:GLU:OE1	E:4:MAN:C6	0.581
1	B:517:GLU:OE1	M:4:MAN:C6	0.580
1	B:517:GLU:C	M:2:NAG:CT	0.571
1	A:517:GLU:C	E:2:NAG:CT	0.570
1	B:517:GLU:CD	M:4:MAN:C6	0.567
1	A:517:GLU:CD	E:4:MAN:C6	0.564
1	A:391:ASN:HB3	A:393:GLN:HG3	0.560
1	B:31:ASN:HB3	Q:1:NAG:O5	0.560
1	B:391:ASN:HB3	B:393:GLN:HG3	0.560
1	A:31:ASN:HB3	G:1:NAG:O5	0.559
1	B:28:ARG:HG2	B:28:ARG:HH11	0.552
1	A:28:ARG:HG2	A:28:ARG:HH11	0.551
1	B:488:THR:HG22	B:491:ARG:NH2	0.548
1	A:488:THR:HG22	A:491:ARG:NH2	0.547

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:109:LEU:H	A:109:LEU:HD12	0.545
1	B:109:LEU:H	B:109:LEU:HD12	0.545
1	B:105:ARG:HG2	B:203:LEU:HB3	0.540
1	B:533:ILE:C	P:1:NAG:O6	0.538
1	A:359:THR:HG22	A:393:GLN:HG2	0.536
1	A:533:ILE:C	F:1:NAG:O6	0.536
1	B:359:THR:HG22	B:393:GLN:HG2	0.536
1	A:499:ASN:N	A:499:ASN:HD22	0.499
1	B:499:ASN:N	B:499:ASN:HD22	0.497
1	B:31:ASN:OD1	Q:1:NAG:O6	0.481
1	A:31:ASN:OD1	G:1:NAG:O6	0.480
1	B:28:ARG:CG	B:28:ARG:NH1	0.479
1	B:423:ILE:HB	B:424:PRO:HD3	0.479
1	A:28:ARG:CG	A:28:ARG:NH1	0.478
1	A:423:ILE:HB	A:424:PRO:HD3	0.477
1	A:528:PRO:HA	A:529:PRO:HD3	0.457
1	B:528:PRO:HA	B:529:PRO:HD3	0.454
1	A:77:ARG:HH21	A:91:PRO:HB2	0.451
1	A:448:PRO:HB3	H:2:NAG:CT	0.451
1	B:31:ASN:HB3	Q:1:NAG:C1	0.443
1	A:31:ASN:HB3	G:1:NAG:C1	0.442
1	A:341:ASN:CB	A:342:PRO:HD3	0.441
1	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:33:SER:HB3	B:83:ILE:HD12	0.440
1	A:33:SER:HB3	A:83:ILE:HD12	0.439
1	A:485:SER:HA	A:486:PRO:C	0.435
1	B:485:SER:HA	B:486:PRO:C	0.435
1	A:488:THR:OG1	E:1:NAG:H61	0.434
1	B:488:THR:OG1	M:1:NAG:H61	0.434
1	A:386:LYS:HD2	A:397:ILE:HD11	0.433
1	B:386:LYS:HD2	B:397:ILE:HD11	0.431
1	A:527:ASN:HA	A:528:PRO:C	0.427
1	B:527:ASN:HA	B:528:PRO:C	0.427
1	A:378:LEU:HD12	A:417:LEU:HG	0.421
1	B:378:LEU:HD12	B:417:LEU:HG	0.421
1	B:231:GLU:HA	B:328:THR:O	0.413
1	A:231:GLU:HA	A:328:THR:O	0.412
1	B:423:ILE:O	B:425:PRO:HD3	0.412
1	A:423:ILE:O	A:425:PRO:HD3	0.411
1	A:262:ARG:HH12	A:264:SER:HA	0.401
1	B:262:ARG:HH12	B:264:SER:HA	0.401
2	A:166:ASN:ND2	C:1:NAG:C5	1.510
2	B:166:ASN:ND2	O:1:NAG:C5	1.510
2	B:532:ASN:HD21	P:1:NAG:C5	1.452
2	A:532:ASN:HD21	F:1:NAG:C5	1.449
2	B:148:ARG:HD2	O:1:NAG:C	1.358

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:148:ARG:HD2	C:1:NAG:C	1.355
2	A:148:ARG:HE	C:1:NAG:CT	1.285
2	B:148:ARG:HE	O:1:NAG:CT	1.284
2	B:148:ARG:HD2	O:1:NAG:O	1.236
2	A:148:ARG:NE	C:1:NAG:CT	1.231
2	B:148:ARG:NE	O:1:NAG:CT	1.230
2	A:148:ARG:HD2	C:1:NAG:O	1.229
2	A:166:ASN:ND2	C:1:NAG:O5	1.163
2	B:166:ASN:ND2	O:1:NAG:O5	1.159
2	A:532:ASN:ND2	F:1:NAG:C5	1.129
2	B:532:ASN:ND2	P:1:NAG:C5	1.129
2	A:166:ASN:CB	C:1:NAG:C1	1.102
2	B:166:ASN:CB	O:1:NAG:C1	1.102
2	A:532:ASN:ND2	F:1:NAG:O5	1.068
2	B:532:ASN:ND2	P:1:NAG:O5	1.064
2	A:532:ASN:HD21	F:1:NAG:H5	1.009
2	B:532:ASN:HD21	P:1:NAG:H5	1.006
2	B:31:ASN:OD1	Q:1:NAG:O6	1.001
2	A:31:ASN:OD1	G:1:NAG:O6	0.999
2	B:148:ARG:CD	O:1:NAG:O	0.996
2	A:148:ARG:CD	C:1:NAG:O	0.994
2	B:148:ARG:CD	O:1:NAG:C	0.979
2	A:148:ARG:CD	C:1:NAG:C	0.978

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:461:SER:O	H:1:NAG:H61	0.962
2	A:148:ARG:CD	C:1:NAG:CT	0.949
2	B:148:ARG:CD	O:1:NAG:CT	0.948
2	B:166:ASN:HB2	O:1:NAG:C1	0.946
2	A:166:ASN:HB2	C:1:NAG:C1	0.943
2	A:166:ASN:ND2	C:1:NAG:C6	0.907
2	B:166:ASN:ND2	O:1:NAG:C6	0.905
2	A:243:ASN:CB	I:1:NAG:C1	0.903
2	B:243:ASN:CB	L:1:NAG:C1	0.902
2	B:166:ASN:HB3	O:1:NAG:C1	0.863
2	A:166:ASN:HB3	C:1:NAG:C1	0.862
2	A:148:ARG:HD2	C:1:NAG:CT	0.858
2	B:148:ARG:HD2	O:1:NAG:CT	0.857
2	A:501:ASP:OD2	A:502:PHE:HD2	0.837
2	B:501:ASP:OD2	B:502:PHE:HD2	0.835
2	A:532:ASN:HD21	F:1:NAG:C6	0.822
2	B:532:ASN:HD21	P:1:NAG:C6	0.820
2	B:166:ASN:ND2	O:1:NAG:C1	0.816
2	A:166:ASN:ND2	C:1:NAG:C1	0.815
2	A:499:ASN:H	A:499:ASN:HD22	0.765
2	B:499:ASN:HD21	B:502:PHE:HB2	0.764
2	A:499:ASN:HD21	A:502:PHE:HB2	0.763
2	B:499:ASN:H	B:499:ASN:HD22	0.762

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:501:ASP:OD2	A:502:PHE:CD2	0.756
2	B:501:ASP:OD2	B:502:PHE:CD2	0.754
2	A:166:ASN:ND2	C:1:NAG:O6	0.739
2	B:166:ASN:ND2	O:1:NAG:O6	0.739
2	A:31:ASN:HB3	G:1:NAG:O5	0.709
2	B:31:ASN:HB3	Q:1:NAG:O5	0.707
2	B:453:THR:CG2	R:2:NAG:CT	0.700
2	A:453:THR:CG2	H:2:NAG:CT	0.699
2	B:532:ASN:ND2	P:1:NAG:H5	0.694
2	A:498:LEU:HB2	A:502:PHE:O	0.691
2	B:498:LEU:HB2	B:502:PHE:O	0.690
2	A:532:ASN:ND2	F:1:NAG:H5	0.688
2	B:499:ASN:N	B:499:ASN:ND2	0.675
2	A:499:ASN:N	A:499:ASN:ND2	0.674
2	A:499:ASN:H	A:499:ASN:ND2	0.671
2	B:499:ASN:H	B:499:ASN:ND2	0.669
2	A:243:ASN:HB3	I:1:NAG:C1	0.648
2	B:243:ASN:HB3	L:1:NAG:C1	0.645
2	B:28:ARG:CG	B:28:ARG:HH11	0.614
2	A:28:ARG:CG	A:28:ARG:HH11	0.612
2	A:341:ASN:HB3	A:342:PRO:HD3	0.610
2	B:341:ASN:HB3	B:342:PRO:HD3	0.610
2	A:166:ASN:CG	C:1:NAG:C1	0.609

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:166:ASN:CG	O:1:NAG:C1	0.608
2	B:31:ASN:HB3	Q:1:NAG:C1	0.607
2	A:31:ASN:HB3	G:1:NAG:C1	0.606
2	A:409:ASN:HD22	A:410:ASN:H	0.592
2	A:447:LEU:HB3	A:448:PRO:HD3	0.591
2	B:409:ASN:HD22	B:410:ASN:H	0.591
2	A:391:ASN:HB3	A:393:GLN:HG3	0.560
2	B:391:ASN:HB3	B:393:GLN:HG3	0.560
2	B:28:ARG:HG2	B:28:ARG:HH11	0.552
2	A:28:ARG:HG2	A:28:ARG:HH11	0.551
2	B:488:THR:HG22	B:491:ARG:NH2	0.548
2	A:488:THR:HG22	A:491:ARG:NH2	0.547
2	A:109:LEU:H	A:109:LEU:HD12	0.545
2	B:109:LEU:H	B:109:LEU:HD12	0.545
2	B:105:ARG:HG2	B:203:LEU:HB3	0.540
2	A:359:THR:HG22	A:393:GLN:HG2	0.536
2	B:359:THR:HG22	B:393:GLN:HG2	0.536
2	A:201:TYR:HE1	C:5:MAN:H62	0.511
2	B:201:TYR:HE1	O:5:MAN:H62	0.511
2	A:199:PRO:HD2	C:4:MAN:O6	0.499
2	A:499:ASN:N	A:499:ASN:HD22	0.499
2	B:199:PRO:HD2	O:4:MAN:O6	0.498
2	B:499:ASN:N	B:499:ASN:HD22	0.497

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:453:THR:HG22	R:2:NAG:CT	0.490
2	A:198:ASN:ND2	C:5:MAN:O6	0.490
2	A:453:THR:HG22	H:2:NAG:CT	0.489
2	B:198:ASN:ND2	O:5:MAN:O6	0.488
2	B:28:ARG:CG	B:28:ARG:NH1	0.479
2	B:423:ILE:HB	B:424:PRO:HD3	0.479
2	A:28:ARG:CG	A:28:ARG:NH1	0.478
2	A:31:ASN:CB	G:1:NAG:O5	0.478
2	A:423:ILE:HB	A:424:PRO:HD3	0.477
2	B:31:ASN:CB	Q:1:NAG:O5	0.477
2	B:201:TYR:CE1	O:5:MAN:H62	0.475
2	A:201:TYR:CE1	C:5:MAN:H62	0.474
2	A:528:PRO:HA	A:529:PRO:HD3	0.457
2	A:453:THR:HG21	H:2:NAG:CT	0.456
2	B:453:THR:HG21	R:2:NAG:CT	0.456
2	B:528:PRO:HA	B:529:PRO:HD3	0.454
2	A:77:ARG:HH21	A:91:PRO:HB2	0.451
2	A:532:ASN:HD21	F:1:NAG:H62	0.444
2	B:31:ASN:CG	Q:1:NAG:O6	0.442
2	A:341:ASN:CB	A:342:PRO:HD3	0.441
2	B:341:ASN:CB	B:342:PRO:HD3	0.441
2	A:31:ASN:CG	G:1:NAG:O6	0.441
2	B:33:SER:HB3	B:83:ILE:HD12	0.440

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:33:SER:HB3	A:83:ILE:HD12	0.439
2	A:485:SER:HA	A:486:PRO:C	0.435
2	B:485:SER:HA	B:486:PRO:C	0.435
2	B:532:ASN:ND2	P:1:NAG:H62	0.435
2	A:386:LYS:HD2	A:397:ILE:HD11	0.433
2	A:532:ASN:ND2	F:1:NAG:H62	0.433
2	B:386:LYS:HD2	B:397:ILE:HD11	0.431
2	A:31:ASN:CB	G:1:NAG:C1	0.427
2	A:488:THR:HG21	E:11:MAN:O6	0.427
2	A:527:ASN:HA	A:528:PRO:C	0.427
2	B:527:ASN:HA	B:528:PRO:C	0.427
2	B:31:ASN:CB	Q:1:NAG:C1	0.426
2	B:488:THR:HG21	M:11:MAN:O6	0.425
2	A:378:LEU:HD12	A:417:LEU:HG	0.421
2	B:378:LEU:HD12	B:417:LEU:HG	0.421
2	B:532:ASN:CG	P:1:NAG:H5	0.416
2	A:532:ASN:CG	F:1:NAG:H5	0.415
2	B:231:GLU:HA	B:328:THR:O	0.413
2	A:231:GLU:HA	A:328:THR:O	0.412
2	B:423:ILE:O	B:425:PRO:HD3	0.412
2	A:423:ILE:O	A:425:PRO:HD3	0.411
2	A:262:ARG:HH12	A:264:SER:HA	0.401
2	B:262:ARG:HH12	B:264:SER:HA	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:498:LEU:HD21	H:1:NAG:C	1.527
3	A:498:LEU:CD2	H:1:NAG:C	1.489
3	B:243:ASN:HD22	L:1:NAG:C1	1.488
3	A:243:ASN:HD22	I:1:NAG:C1	1.487
3	B:243:ASN:ND2	L:1:NAG:C1	1.423
3	A:243:ASN:ND2	I:1:NAG:C1	1.422
3	B:488:THR:OG1	M:1:NAG:H62	1.281
3	A:413:ASN:OD1	D:1:NAG:N	1.252
3	B:488:THR:CB	M:1:NAG:C6	1.249
3	B:486:PRO:HB2	M:2:NAG:CT	1.199
3	B:488:THR:HB	M:1:NAG:C6	1.199
3	B:463:ASN:ND2	R:1:NAG:O5	1.177
3	B:488:THR:CB	M:1:NAG:H61	1.162
3	A:498:LEU:HD22	H:1:NAG:O	1.149
3	A:413:ASN:CG	D:1:NAG:C1	1.078
3	A:498:LEU:CD2	H:1:NAG:O	1.062
3	B:488:THR:OG1	M:1:NAG:C6	1.028
3	A:30:LYS:HB2	G:1:NAG:C6	1.022
3	B:30:LYS:HB2	Q:1:NAG:C6	1.022
3	B:488:THR:OG1	M:2:NAG:CT	0.987
3	A:114:ASN:HD22	J:1:NAG:C1	0.975
3	B:114:ASN:HD22	K:1:NAG:C1	0.975
3	A:243:ASN:CG	I:1:NAG:C1	0.910

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:243:ASN:CG	L:1:NAG:C1	0.909
3	A:498:LEU:CG	H:1:NAG:O	0.908
3	A:166:ASN:CB	C:1:NAG:C1	0.873
3	B:166:ASN:CB	O:1:NAG:C1	0.873
3	B:488:THR:HB	M:1:NAG:H61	0.860
3	B:488:THR:CB	M:1:NAG:H62	0.860
3	B:463:ASN:ND2	R:1:NAG:C1	0.854
3	A:30:LYS:HB2	G:1:NAG:H61	0.853
3	B:30:LYS:HB2	Q:1:NAG:H61	0.852
3	A:501:ASP:OD2	A:502:PHE:HD2	0.837
3	B:501:ASP:OD2	B:502:PHE:HD2	0.835
3	A:498:LEU:HD21	H:1:NAG:CT	0.812
3	B:30:LYS:HB2	Q:1:NAG:O6	0.796
3	A:30:LYS:HB2	G:1:NAG:O6	0.794
3	B:463:ASN:CG	R:1:NAG:C1	0.789
3	B:243:ASN:ND2	L:1:NAG:O5	0.781
3	A:243:ASN:ND2	I:1:NAG:O5	0.775
3	B:488:THR:HG1	M:1:NAG:H62	0.767
3	A:433:GLN:NE2	D:1:NAG:O	0.765
3	A:499:ASN:H	A:499:ASN:HD22	0.765
3	B:499:ASN:HD21	B:502:PHE:HB2	0.764
3	A:499:ASN:HD21	A:502:PHE:HB2	0.763
3	B:499:ASN:H	B:499:ASN:HD22	0.762

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:501:ASP:OD2	A:502:PHE:CD2	0.756
3	B:243:ASN:CB	L:1:NAG:C1	0.754
3	B:501:ASP:OD2	B:502:PHE:CD2	0.754
3	A:243:ASN:CB	I:1:NAG:C1	0.753
3	A:498:LEU:HD21	H:1:NAG:O	0.740
3	A:498:LEU:HD23	H:1:NAG:C	0.726
3	A:463:ASN:CB	H:1:NAG:C1	0.712
3	A:114:ASN:ND2	J:1:NAG:C1	0.699
3	B:114:ASN:ND2	K:1:NAG:C1	0.699
3	A:498:LEU:HB2	A:502:PHE:O	0.691
3	B:463:ASN:CB	R:1:NAG:C1	0.690
3	B:498:LEU:HB2	B:502:PHE:O	0.690
3	A:30:LYS:CB	G:1:NAG:H61	0.684
3	A:413:ASN:ND2	D:1:NAG:C1	0.684
3	B:30:LYS:CB	Q:1:NAG:H61	0.683
3	B:499:ASN:N	B:499:ASN:ND2	0.675
3	A:499:ASN:N	A:499:ASN:ND2	0.674
3	A:488:THR:OG1	E:1:NAG:H61	0.671
3	A:499:ASN:H	A:499:ASN:ND2	0.671
3	B:499:ASN:H	B:499:ASN:ND2	0.669
3	A:463:ASN:CG	H:1:NAG:C1	0.668
3	A:463:ASN:ND2	H:1:NAG:C1	0.665
3	A:166:ASN:HB3	C:1:NAG:C1	0.633

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:166:ASN:HB3	O:1:NAG:C1	0.633
3	B:463:ASN:CG	R:1:NAG:O5	0.621
3	B:28:ARG:CG	B:28:ARG:HH11	0.614
3	A:28:ARG:CG	A:28:ARG:HH11	0.612
3	A:341:ASN:HB3	A:342:PRO:HD3	0.610
3	B:341:ASN:HB3	B:342:PRO:HD3	0.610
3	B:488:THR:OG1	M:2:NAG:C	0.610
3	A:409:ASN:HD22	A:410:ASN:H	0.592
3	A:447:LEU:HB3	A:448:PRO:HD3	0.591
3	A:413:ASN:OD1	D:1:NAG:C1	0.591
3	B:409:ASN:HD22	B:410:ASN:H	0.591
3	B:463:ASN:HB2	R:1:NAG:O5	0.590
3	A:413:ASN:OD1	D:1:NAG:C	0.579
3	B:488:THR:HG1	M:2:NAG:CT	0.576
3	B:463:ASN:CB	R:1:NAG:O5	0.569
3	A:413:ASN:OD1	D:1:NAG:C2	0.567
3	B:488:THR:HG23	M:2:NAG:CT	0.564
3	A:391:ASN:HB3	A:393:GLN:HG3	0.560
3	B:391:ASN:HB3	B:393:GLN:HG3	0.560
3	B:28:ARG:HG2	B:28:ARG:HH11	0.552
3	A:28:ARG:HG2	A:28:ARG:HH11	0.551
3	B:488:THR:HG22	B:491:ARG:NH2	0.548
3	A:488:THR:HG22	A:491:ARG:NH2	0.547

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:109:LEU:H	A:109:LEU:HD12	0.545
3	B:109:LEU:H	B:109:LEU:HD12	0.545
3	A:498:LEU:HD22	H:1:NAG:C	0.542
3	B:105:ARG:HG2	B:203:LEU:HB3	0.540
3	A:359:THR:HG22	A:393:GLN:HG2	0.536
3	B:359:THR:HG22	B:393:GLN:HG2	0.536
3	A:488:THR:CB	E:1:NAG:H61	0.533
3	B:30:LYS:CG	Q:1:NAG:H61	0.531
3	A:30:LYS:CG	G:1:NAG:H61	0.530
3	A:433:GLN:NE2	D:1:NAG:C	0.526
3	A:166:ASN:HB2	C:1:NAG:C1	0.518
3	B:166:ASN:HB2	O:1:NAG:C1	0.516
3	B:488:THR:CG2	M:2:NAG:CT	0.509
3	A:463:ASN:HB3	H:1:NAG:C1	0.502
3	A:243:ASN:HB2	I:1:NAG:C1	0.500
3	B:243:ASN:HB2	L:1:NAG:C1	0.500
3	A:499:ASN:N	A:499:ASN:HD22	0.499
3	B:488:THR:CB	M:2:NAG:CT	0.497
3	B:499:ASN:N	B:499:ASN:HD22	0.497
3	A:498:LEU:HD23	H:1:NAG:O	0.494
3	B:28:ARG:CG	B:28:ARG:NH1	0.479
3	B:423:ILE:HB	B:424:PRO:HD3	0.479
3	A:28:ARG:CG	A:28:ARG:NH1	0.478

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:423:ILE:HB	A:424:PRO:HD3	0.477
3	B:488:THR:H	M:2:NAG:CT	0.472
3	A:30:LYS:CB	G:1:NAG:O5	0.471
3	B:30:LYS:CB	Q:1:NAG:O5	0.471
3	A:528:PRO:HA	A:529:PRO:HD3	0.457
3	B:528:PRO:HA	B:529:PRO:HD3	0.454
3	A:77:ARG:HH21	A:91:PRO:HB2	0.451
3	B:30:LYS:HB2	Q:1:NAG:O5	0.445
3	A:30:LYS:HB2	G:1:NAG:O5	0.444
3	A:341:ASN:CB	A:342:PRO:HD3	0.441
3	B:341:ASN:CB	B:342:PRO:HD3	0.441
3	B:33:SER:HB3	B:83:ILE:HD12	0.440
3	E:2:NAG:H5	E:3:BMA:O5	0.440
3	M:2:NAG:H5	M:3:BMA:O5	0.440
3	A:33:SER:HB3	A:83:ILE:HD12	0.439
3	A:413:ASN:CB	D:1:NAG:C1	0.436
3	A:485:SER:HA	A:486:PRO:C	0.435
3	B:485:SER:HA	B:486:PRO:C	0.435
3	A:30:LYS:HB2	G:1:NAG:HO6	0.433
3	A:386:LYS:HD2	A:397:ILE:HD11	0.433
3	A:463:ASN:ND2	H:1:NAG:C2	0.433
3	B:30:LYS:HB2	Q:1:NAG:HO6	0.431
3	B:386:LYS:HD2	B:397:ILE:HD11	0.431

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:527:ASN:HA	A:528:PRO:C	0.427
3	B:527:ASN:HA	B:528:PRO:C	0.427
3	A:378:LEU:HD12	A:417:LEU:HG	0.421
3	B:378:LEU:HD12	B:417:LEU:HG	0.421
3	A:488:THR:OG1	E:1:NAG:C6	0.416
3	B:231:GLU:HA	B:328:THR:O	0.413
3	A:231:GLU:HA	A:328:THR:O	0.412
3	B:423:ILE:O	B:425:PRO:HD3	0.412
3	A:423:ILE:O	A:425:PRO:HD3	0.411
3	A:262:ARG:HH12	A:264:SER:HA	0.401
3	B:262:ARG:HH12	B:264:SER:HA	0.401
4	B:166:ASN:HD22	O:1:NAG:C5	1.588
4	A:166:ASN:HD22	C:1:NAG:C5	1.584
4	B:166:ASN:ND2	O:1:NAG:H5	1.422
4	A:166:ASN:ND2	C:1:NAG:H5	1.418
4	A:455:GLU:OE2	E:2:NAG:CT	1.348
4	B:455:GLU:OE2	M:2:NAG:CT	1.345
4	B:148:ARG:HE	O:1:NAG:CT	1.277
4	B:408:LYS:N	N:2:NAG:N	1.275
4	A:148:ARG:HE	C:1:NAG:CT	1.269
4	B:243:ASN:ND2	L:1:NAG:C1	1.268
4	A:408:LYS:N	D:2:NAG:N	1.268
4	A:243:ASN:ND2	I:1:NAG:C1	1.266

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:166:ASN:ND2	O:1:NAG:C5	1.194
4	A:166:ASN:ND2	C:1:NAG:C5	1.186
4	A:148:ARG:NE	C:1:NAG:CT	1.174
4	B:148:ARG:NE	O:1:NAG:CT	1.167
4	A:166:ASN:ND2	C:1:NAG:C6	1.085
4	B:166:ASN:ND2	O:1:NAG:C6	1.085
4	A:455:GLU:HG2	E:2:NAG:CT	1.057
4	B:455:GLU:HG2	M:2:NAG:CT	1.057
4	A:455:GLU:CD	E:2:NAG:CT	1.048
4	B:455:GLU:CD	M:2:NAG:CT	1.047
4	B:31:ASN:HB3	Q:1:NAG:C1	1.046
4	A:31:ASN:HB3	G:1:NAG:C1	1.044
4	A:166:ASN:ND2	C:1:NAG:O6	1.026
4	B:166:ASN:ND2	O:1:NAG:O6	1.025
4	B:455:GLU:CG	M:2:NAG:CT	1.015
4	A:455:GLU:CG	E:2:NAG:CT	1.014
4	A:166:ASN:HB3	C:1:NAG:C1	0.987
4	B:166:ASN:HB3	O:1:NAG:C1	0.987
4	B:455:GLU:OE2	M:2:NAG:C	0.920
4	A:455:GLU:OE2	E:2:NAG:C	0.919
4	A:148:ARG:HB3	C:1:NAG:C	0.858
4	B:148:ARG:HB3	O:1:NAG:C	0.856
4	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:501:ASP:OD2	B:502:PHE:HD2	0.835
4	A:166:ASN:CB	C:1:NAG:C1	0.827
4	B:166:ASN:CB	O:1:NAG:C1	0.826
4	A:166:ASN:HD22	C:1:NAG:H5	0.819
4	B:166:ASN:HD22	O:1:NAG:H5	0.819
4	A:31:ASN:CB	G:1:NAG:C1	0.814
4	B:31:ASN:CB	Q:1:NAG:C1	0.813
4	A:408:LYS:CG	D:3:BMA:C1	0.811
4	B:408:LYS:CG	N:3:BMA:C1	0.810
4	A:31:ASN:OD1	G:1:NAG:O5	0.786
4	B:31:ASN:OD1	Q:1:NAG:O5	0.786
4	A:408:LYS:HG3	D:3:BMA:C1	0.782
4	B:408:LYS:HG3	N:3:BMA:C1	0.782
4	A:166:ASN:HD21	C:1:NAG:H5	0.774
4	B:166:ASN:HD21	O:1:NAG:H5	0.774
4	A:408:LYS:HB3	D:2:NAG:C5	0.768
4	B:408:LYS:HB3	N:2:NAG:C5	0.768
4	A:499:ASN:H	A:499:ASN:HD22	0.765
4	B:499:ASN:HD21	B:502:PHE:HB2	0.764
4	A:499:ASN:HD21	A:502:PHE:HB2	0.763
4	B:499:ASN:H	B:499:ASN:HD22	0.762
4	A:501:ASP:OD2	A:502:PHE:CD2	0.756
4	B:408:LYS:HB3	N:2:NAG:H5	0.755

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:408:LYS:HB3	D:2:NAG:H5	0.754
4	B:501:ASP:OD2	B:502:PHE:CD2	0.754
4	A:243:ASN:CG	I:1:NAG:C1	0.720
4	B:243:ASN:CG	L:1:NAG:C1	0.718
4	A:148:ARG:CB	C:1:NAG:CT	0.696
4	B:148:ARG:CB	O:1:NAG:CT	0.696
4	A:498:LEU:HB2	A:502:PHE:O	0.691
4	B:498:LEU:HB2	B:502:PHE:O	0.690
4	A:166:ASN:HB3	C:1:NAG:O5	0.676
4	B:166:ASN:HB3	O:1:NAG:O5	0.676
4	B:499:ASN:N	B:499:ASN:ND2	0.675
4	A:499:ASN:N	A:499:ASN:ND2	0.674
4	A:499:ASN:H	A:499:ASN:ND2	0.671
4	A:243:ASN:HD22	I:1:NAG:C1	0.670
4	B:499:ASN:H	B:499:ASN:ND2	0.669
4	B:243:ASN:HD22	L:1:NAG:C1	0.667
4	B:243:ASN:HD21	L:1:NAG:C1	0.659
4	A:243:ASN:HD21	I:1:NAG:C1	0.657
4	B:166:ASN:CG	O:1:NAG:O6	0.651
4	A:166:ASN:CG	C:1:NAG:O6	0.650
4	A:408:LYS:N	D:2:NAG:C	0.639
4	B:408:LYS:N	N:2:NAG:C	0.636
4	A:166:ASN:HD21	C:1:NAG:C6	0.626

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:166:ASN:HD21	O:1:NAG:C6	0.626
4	B:148:ARG:CB	O:1:NAG:C	0.618
4	A:148:ARG:CB	C:1:NAG:C	0.617
4	B:28:ARG:CG	B:28:ARG:HH11	0.614
4	A:28:ARG:CG	A:28:ARG:HH11	0.612
4	A:341:ASN:HB3	A:342:PRO:HD3	0.610
4	B:341:ASN:HB3	B:342:PRO:HD3	0.610
4	A:409:ASN:HD22	A:410:ASN:H	0.592
4	A:447:LEU:HB3	A:448:PRO:HD3	0.591
4	B:409:ASN:HD22	B:410:ASN:H	0.591
4	B:243:ASN:ND2	L:1:NAG:C2	0.563
4	A:243:ASN:ND2	I:1:NAG:C2	0.562
4	A:391:ASN:HB3	A:393:GLN:HG3	0.560
4	B:391:ASN:HB3	B:393:GLN:HG3	0.560
4	A:31:ASN:HB3	G:1:NAG:O5	0.557
4	B:31:ASN:HB3	Q:1:NAG:O5	0.557
4	B:28:ARG:HG2	B:28:ARG:HH11	0.552
4	A:28:ARG:HG2	A:28:ARG:HH11	0.551
4	B:148:ARG:HB3	O:1:NAG:CT	0.551
4	A:148:ARG:HB3	C:1:NAG:CT	0.550
4	A:148:ARG:HB3	C:1:NAG:N	0.549
4	B:148:ARG:HB3	O:1:NAG:N	0.549
4	B:114:ASN:CG	K:1:NAG:C1	0.548

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:488:THR:HG22	B:491:ARG:NH2	0.548
4	A:114:ASN:CG	J:1:NAG:C1	0.547
4	A:488:THR:HG22	A:491:ARG:NH2	0.547
4	A:109:LEU:H	A:109:LEU:HD12	0.545
4	B:109:LEU:H	B:109:LEU:HD12	0.545
4	B:105:ARG:HG2	B:203:LEU:HB3	0.540
4	B:491:ARG:HG2	M:1:NAG:C	0.539
4	A:491:ARG:HG2	E:1:NAG:C	0.538
4	A:359:THR:HG22	A:393:GLN:HG2	0.536
4	B:359:THR:HG22	B:393:GLN:HG2	0.536
4	B:408:LYS:N	N:2:NAG:CT	0.528
4	A:408:LYS:N	D:2:NAG:CT	0.527
4	A:114:ASN:ND2	J:1:NAG:C1	0.516
4	B:114:ASN:ND2	K:1:NAG:C1	0.515
4	A:31:ASN:CB	G:1:NAG:O5	0.513
4	B:31:ASN:CB	Q:1:NAG:O5	0.513
4	A:112:VAL:O	J:1:NAG:H61	0.510
4	B:112:VAL:O	K:1:NAG:H61	0.510
4	A:463:ASN:ND2	H:1:NAG:C1	0.507
4	B:463:ASN:ND2	R:1:NAG:C1	0.506
4	A:499:ASN:N	A:499:ASN:HD22	0.499
4	B:499:ASN:N	B:499:ASN:HD22	0.497
4	B:31:ASN:CG	Q:1:NAG:O5	0.496

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:31:ASN:CG	G:1:NAG:O5	0.495
4	A:491:ARG:NE	E:1:NAG:CT	0.484
4	B:491:ARG:NE	M:1:NAG:CT	0.483
4	A:166:ASN:HD22	C:1:NAG:C1	0.483
4	B:166:ASN:HD22	O:1:NAG:C1	0.483
4	A:229:TYR:O	I:2:NAG:CT	0.480
4	B:28:ARG:CG	B:28:ARG:NH1	0.479
4	B:423:ILE:HB	B:424:PRO:HD3	0.479
4	B:229:TYR:O	L:2:NAG:CT	0.479
4	A:28:ARG:CG	A:28:ARG:NH1	0.478
4	A:423:ILE:HB	A:424:PRO:HD3	0.477
4	B:243:ASN:ND2	L:1:NAG:N	0.468
4	A:243:ASN:ND2	I:1:NAG:N	0.467
4	A:148:ARG:HB2	C:1:NAG:CT	0.463
4	B:148:ARG:HB2	O:1:NAG:CT	0.463
4	A:528:PRO:HA	A:529:PRO:HD3	0.457
4	A:512:GLU:HG3	E:3:BMA:H5	0.455
4	B:512:GLU:HG3	M:3:BMA:H5	0.454
4	B:528:PRO:HA	B:529:PRO:HD3	0.454
4	A:77:ARG:HH21	A:91:PRO:HB2	0.451
4	A:166:ASN:HB2	C:1:NAG:C1	0.443
4	A:341:ASN:CB	A:342:PRO:HD3	0.441
4	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:33:SER:HB3	B:83:ILE:HD12	0.440
4	B:166:ASN:HB2	O:1:NAG:C1	0.440
4	A:33:SER:HB3	A:83:ILE:HD12	0.439
4	A:485:SER:HA	A:486:PRO:C	0.435
4	B:485:SER:HA	B:486:PRO:C	0.435
4	A:386:LYS:HD2	A:397:ILE:HD11	0.433
4	B:386:LYS:HD2	B:397:ILE:HD11	0.431
4	A:31:ASN:CG	G:1:NAG:C5	0.429
4	B:31:ASN:CG	Q:1:NAG:C5	0.429
4	A:527:ASN:HA	A:528:PRO:C	0.427
4	B:527:ASN:HA	B:528:PRO:C	0.427
4	A:463:ASN:CB	H:1:NAG:C1	0.426
4	B:463:ASN:CB	R:1:NAG:C1	0.426
4	A:491:ARG:HD2	E:1:NAG:CT	0.425
4	B:491:ARG:HD2	M:1:NAG:CT	0.424
4	A:378:LEU:HD12	A:417:LEU:HG	0.421
4	B:378:LEU:HD12	B:417:LEU:HG	0.421
4	A:243:ASN:HD21	I:1:NAG:C2	0.416
4	B:243:ASN:HD21	L:1:NAG:C2	0.415
4	B:231:GLU:HA	B:328:THR:O	0.413
4	A:231:GLU:HA	A:328:THR:O	0.412
4	B:423:ILE:O	B:425:PRO:HD3	0.412
4	A:423:ILE:O	A:425:PRO:HD3	0.411

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:262:ARG:HH12	A:264:SER:HA	0.401
4	B:262:ARG:HH12	B:264:SER:HA	0.401
5	B:174:VAL:HG11	O:10:MAN:O2	1.286
5	A:174:VAL:HG11	C:10:MAN:O2	1.283
5	A:461:SER:O	H:1:NAG:H61	1.261
5	A:174:VAL:HG13	C:11:MAN:C2	1.229
5	B:174:VAL:HG13	O:11:MAN:C2	1.228
5	B:174:VAL:CG1	O:11:MAN:H2	1.216
5	A:174:VAL:CG1	C:11:MAN:H2	1.213
5	B:532:ASN:HD21	P:1:NAG:C6	1.179
5	A:532:ASN:HD21	F:1:NAG:C6	1.177
5	B:174:VAL:CG1	O:10:MAN:O2	1.142
5	A:174:VAL:CG1	C:10:MAN:O2	1.141
5	B:174:VAL:HB	O:10:MAN:H4	1.126
5	B:532:ASN:ND2	P:1:NAG:H62	1.122
5	A:174:VAL:HB	C:10:MAN:H4	1.121
5	A:532:ASN:ND2	F:1:NAG:H62	1.120
5	B:174:VAL:HG11	O:11:MAN:C1	1.109
5	A:174:VAL:HG11	C:11:MAN:C1	1.107
5	A:174:VAL:CG1	C:11:MAN:C2	1.086
5	B:174:VAL:CG1	O:11:MAN:C2	1.085
5	A:28:ARG:O	G:1:NAG:O6	1.068
5	B:28:ARG:O	Q:1:NAG:O6	1.066

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:28:ARG:HH11	Q:2:NAG:CT	1.054
5	A:28:ARG:HH11	G:2:NAG:CT	1.053
5	A:532:ASN:OD1	F:1:NAG:H5	1.014
5	B:532:ASN:OD1	P:1:NAG:H5	1.014
5	A:28:ARG:NH1	G:2:NAG:C	0.992
5	B:28:ARG:NH1	Q:2:NAG:C	0.992
5	B:28:ARG:NH1	Q:2:NAG:CT	0.968
5	A:28:ARG:NH1	G:2:NAG:CT	0.966
5	A:28:ARG:C	G:1:NAG:O6	0.963
5	B:28:ARG:C	Q:1:NAG:O6	0.961
5	B:31:ASN:HD21	Q:1:NAG:H5	0.961
5	A:532:ASN:ND2	F:1:NAG:O5	0.960
5	B:532:ASN:ND2	P:1:NAG:O5	0.959
5	A:31:ASN:HD21	G:1:NAG:H5	0.958
5	B:174:VAL:HG13	O:11:MAN:H2	0.947
5	A:174:VAL:HG13	C:11:MAN:H2	0.945
5	B:165:ASN:ND2	O:1:NAG:C6	0.941
5	A:165:ASN:ND2	C:1:NAG:C6	0.940
5	B:28:ARG:NH1	Q:2:NAG:O	0.940
5	A:28:ARG:NH1	G:2:NAG:O	0.939
5	A:532:ASN:HD21	F:1:NAG:H62	0.932
5	B:532:ASN:HD21	P:1:NAG:H62	0.929
5	A:532:ASN:CG	F:1:NAG:O5	0.924

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:532:ASN:CG	P:1:NAG:O5	0.924
5	A:532:ASN:CG	F:1:NAG:C5	0.908
5	B:532:ASN:CG	P:1:NAG:C5	0.908
5	A:512:GLU:OE1	E:10:MAN:C1	0.906
5	B:512:GLU:OE1	M:10:MAN:C1	0.905
5	A:28:ARG:HH11	G:2:NAG:C	0.897
5	B:28:ARG:HH11	Q:2:NAG:C	0.894
5	A:461:SER:O	H:1:NAG:C6	0.887
5	B:532:ASN:ND2	P:1:NAG:C5	0.864
5	A:532:ASN:ND2	F:1:NAG:C5	0.863
5	A:532:ASN:ND2	F:1:NAG:C6	0.861
5	B:532:ASN:ND2	P:1:NAG:C6	0.857
5	B:512:GLU:OE1	M:7:MAN:O6	0.851
5	B:174:VAL:CB	O:10:MAN:H4	0.849
5	A:174:VAL:CB	C:10:MAN:H4	0.848
5	A:512:GLU:OE1	E:7:MAN:O6	0.845
5	A:166:ASN:ND2	C:1:NAG:C1	0.841
5	B:166:ASN:ND2	O:1:NAG:C1	0.841
5	A:501:ASP:OD2	A:502:PHE:HD2	0.837
5	B:501:ASP:OD2	B:502:PHE:HD2	0.835
5	B:406:ASN:C	N:2:NAG:N	0.814
5	B:165:ASN:ND2	O:1:NAG:H61	0.786
5	A:532:ASN:OD1	F:1:NAG:C5	0.786

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:532:ASN:OD1	P:1:NAG:C5	0.786
5	A:165:ASN:ND2	C:1:NAG:H61	0.785
5	B:174:VAL:HG13	O:11:MAN:C3	0.766
5	A:174:VAL:HG13	C:11:MAN:C3	0.765
5	A:499:ASN:H	A:499:ASN:HD22	0.765
5	B:499:ASN:HD21	B:502:PHE:HB2	0.764
5	A:499:ASN:HD21	A:502:PHE:HB2	0.763
5	B:499:ASN:H	B:499:ASN:HD22	0.762
5	A:163:THR:CG2	C:11:MAN:C5	0.760
5	A:501:ASP:OD2	A:502:PHE:CD2	0.756
5	B:406:ASN:O	N:1:NAG:H62	0.755
5	B:501:ASP:OD2	B:502:PHE:CD2	0.754
5	A:174:VAL:CG1	C:11:MAN:C1	0.748
5	A:381:PRO:HB2	D:2:NAG:O	0.736
5	B:381:PRO:HB2	N:2:NAG:O	0.734
5	B:174:VAL:CG1	O:11:MAN:C1	0.726
5	A:31:ASN:ND2	G:1:NAG:H5	0.722
5	B:31:ASN:ND2	Q:1:NAG:H5	0.719
5	A:413:ASN:HB2	D:1:NAG:C1	0.701
5	B:406:ASN:O	N:2:NAG:C	0.700
5	A:498:LEU:HB2	A:502:PHE:O	0.691
5	B:498:LEU:HB2	B:502:PHE:O	0.690
5	B:31:ASN:HD21	Q:1:NAG:C5	0.688

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	A:31:ASN:HD21	G:1:NAG:C5	0.686
5	B:28:ARG:HG2	Q:2:NAG:CT	0.684
5	A:28:ARG:HG2	G:2:NAG:CT	0.683
5	A:413:ASN:ND2	D:1:NAG:C1	0.682
5	B:499:ASN:N	B:499:ASN:ND2	0.675
5	A:499:ASN:N	A:499:ASN:ND2	0.674
5	A:31:ASN:ND2	G:1:NAG:C5	0.673
5	B:31:ASN:ND2	Q:1:NAG:C5	0.673
5	A:499:ASN:H	A:499:ASN:ND2	0.671
5	A:166:ASN:CG	C:1:NAG:C1	0.670
5	B:166:ASN:CG	O:1:NAG:C1	0.669
5	B:499:ASN:H	B:499:ASN:ND2	0.669
5	B:406:ASN:O	N:2:NAG:N	0.639
5	A:413:ASN:HD22	D:1:NAG:C1	0.617
5	B:28:ARG:CG	B:28:ARG:HH11	0.614
5	A:28:ARG:CG	A:28:ARG:HH11	0.612
5	A:341:ASN:HB3	A:342:PRO:HD3	0.610
5	B:341:ASN:HB3	B:342:PRO:HD3	0.610
5	A:174:VAL:HG11	C:10:MAN:C2	0.592
5	B:174:VAL:HG11	O:10:MAN:C2	0.592
5	A:409:ASN:HD22	A:410:ASN:H	0.592
5	A:447:LEU:HB3	A:448:PRO:HD3	0.591
5	B:409:ASN:HD22	B:410:ASN:H	0.591

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:532:ASN:HB2	P:1:NAG:C1	0.577
5	A:532:ASN:HB2	F:1:NAG:C1	0.576
5	A:391:ASN:HB3	A:393:GLN:HG3	0.560
5	B:391:ASN:HB3	B:393:GLN:HG3	0.560
5	A:532:ASN:CG	F:1:NAG:C1	0.559
5	B:532:ASN:CG	P:1:NAG:C1	0.558
5	B:28:ARG:HG2	B:28:ARG:HH11	0.552
5	A:28:ARG:HG2	A:28:ARG:HH11	0.551
5	A:28:ARG:CZ	G:2:NAG:O	0.550
5	B:28:ARG:CZ	Q:2:NAG:O	0.548
5	B:488:THR:HG22	B:491:ARG:NH2	0.548
5	A:488:THR:HG22	A:491:ARG:NH2	0.547
5	B:28:ARG:HG2	Q:2:NAG:C	0.547
5	A:28:ARG:HG2	G:2:NAG:C	0.546
5	A:109:LEU:H	A:109:LEU:HD12	0.545
5	B:109:LEU:H	B:109:LEU:HD12	0.545
5	B:105:ARG:HG2	B:203:LEU:HB3	0.540
5	A:165:ASN:ND2	C:1:NAG:O6	0.540
5	A:174:VAL:CG1	C:11:MAN:C3	0.539
5	B:174:VAL:CG1	O:11:MAN:C3	0.538
5	B:165:ASN:ND2	O:1:NAG:O6	0.538
5	A:359:THR:HG22	A:393:GLN:HG2	0.536
5	B:359:THR:HG22	B:393:GLN:HG2	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	A:510:LYS:C	E:2:NAG:O3	0.527
5	B:510:LYS:C	M:2:NAG:O3	0.527
5	A:30:LYS:HB2	G:1:NAG:H61	0.523
5	A:174:VAL:CG1	C:11:MAN:H3	0.522
5	B:30:LYS:HB2	Q:1:NAG:H61	0.522
5	B:174:VAL:CG1	O:11:MAN:H3	0.521
5	B:28:ARG:HA	Q:1:NAG:C6	0.514
5	A:28:ARG:HA	G:1:NAG:C6	0.513
5	B:532:ASN:CB	P:1:NAG:C1	0.513
5	A:532:ASN:CB	F:1:NAG:C1	0.512
5	B:165:ASN:CG	O:1:NAG:O6	0.505
5	A:165:ASN:CG	C:1:NAG:O6	0.504
5	A:28:ARG:CA	G:1:NAG:O6	0.502
5	B:28:ARG:CA	Q:1:NAG:O6	0.502
5	B:174:VAL:HG13	O:11:MAN:H3	0.502
5	A:174:VAL:HG13	C:11:MAN:H3	0.500
5	A:499:ASN:N	A:499:ASN:HD22	0.499
5	B:499:ASN:N	B:499:ASN:HD22	0.497
5	B:28:ARG:CG	B:28:ARG:NH1	0.479
5	B:423:ILE:HB	B:424:PRO:HD3	0.479
5	A:28:ARG:CG	A:28:ARG:NH1	0.478
5	A:423:ILE:HB	A:424:PRO:HD3	0.477
5	B:165:ASN:HD22	O:1:NAG:H61	0.470

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:174:VAL:CG1	O:10:MAN:H4	0.468
5	A:174:VAL:CG1	C:10:MAN:H4	0.467
5	A:165:ASN:HD22	C:1:NAG:H61	0.466
5	A:405:PRO:O	D:2:NAG:H3	0.460
5	B:405:PRO:O	N:2:NAG:H3	0.460
5	A:528:PRO:HA	A:529:PRO:HD3	0.457
5	B:528:PRO:HA	B:529:PRO:HD3	0.454
5	A:408:LYS:HG2	D:3:BMA:H62	0.452
5	A:77:ARG:HH21	A:91:PRO:HB2	0.451
5	B:408:LYS:HG2	N:3:BMA:H62	0.451
5	A:28:ARG:HA	G:1:NAG:O6	0.449
5	B:28:ARG:HA	Q:1:NAG:O6	0.448
5	A:341:ASN:CB	A:342:PRO:HD3	0.441
5	B:341:ASN:CB	B:342:PRO:HD3	0.441
5	B:33:SER:HB3	B:83:ILE:HD12	0.440
5	A:33:SER:HB3	A:83:ILE:HD12	0.439
5	A:445:GLN:NE2	F:1:NAG:O5	0.436
5	B:445:GLN:NE2	P:1:NAG:O5	0.436
5	A:485:SER:HA	A:486:PRO:C	0.435
5	B:485:SER:HA	B:486:PRO:C	0.435
5	A:386:LYS:HD2	A:397:ILE:HD11	0.433
5	B:386:LYS:HD2	B:397:ILE:HD11	0.431
5	A:527:ASN:HA	A:528:PRO:C	0.427

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:527:ASN:HA	B:528:PRO:C	0.427
5	A:28:ARG:HA	G:1:NAG:H62	0.422
5	B:28:ARG:HA	Q:1:NAG:H62	0.422
5	A:378:LEU:HD12	A:417:LEU:HG	0.421
5	B:378:LEU:HD12	B:417:LEU:HG	0.421
5	B:231:GLU:HA	B:328:THR:O	0.413
5	A:231:GLU:HA	A:328:THR:O	0.412
5	B:423:ILE:O	B:425:PRO:HD3	0.412
5	A:423:ILE:O	A:425:PRO:HD3	0.411
5	A:30:LYS:HB2	G:1:NAG:O5	0.402
5	A:262:ARG:HH12	A:264:SER:HA	0.401
5	B:30:LYS:HB2	Q:1:NAG:O5	0.401
5	B:262:ARG:HH12	B:264:SER:HA	0.401
6	A:463:ASN:ND2	H:1:NAG:C1	1.504
6	B:463:ASN:ND2	R:1:NAG:C1	1.500
6	A:488:THR:HG21	E:2:NAG:N	1.386
6	B:488:THR:HG21	M:2:NAG:N	1.381
6	B:30:LYS:CG	Q:11:MAN:O4	1.378
6	A:30:LYS:CG	G:11:MAN:O4	1.376
6	A:488:THR:HG23	E:2:NAG:CT	1.369
6	B:488:THR:HG23	M:2:NAG:CT	1.367
6	A:165:ASN:ND2	C:1:NAG:C6	1.337
6	B:165:ASN:ND2	O:1:NAG:C6	1.335

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:77:ARG:NH2	Q:5:MAN:O4	1.290
6	B:77:ARG:NH2	G:5:MAN:O4	1.289
6	A:488:THR:CG2	E:2:NAG:N	1.269
6	B:488:THR:CG2	M:2:NAG:N	1.266
6	B:28:ARG:HG2	Q:2:NAG:C	1.241
6	A:28:ARG:HG2	G:2:NAG:C	1.240
6	B:77:ARG:HH12	G:5:MAN:C6	1.237
6	A:77:ARG:HH12	Q:5:MAN:C6	1.237
6	B:114:ASN:CG	K:1:NAG:C1	1.232
6	B:28:ARG:HG2	Q:2:NAG:O	1.231
6	A:114:ASN:CG	J:1:NAG:C1	1.230
6	A:28:ARG:HG2	G:2:NAG:O	1.228
6	A:30:LYS:CB	G:11:MAN:O4	1.205
6	B:30:LYS:CB	Q:11:MAN:O4	1.204
6	A:30:LYS:HB3	G:11:MAN:C4	1.200
6	B:30:LYS:HB3	Q:11:MAN:C4	1.197
6	B:28:ARG:CG	Q:2:NAG:O	1.147
6	A:28:ARG:CG	G:2:NAG:O	1.145
6	B:77:ARG:NH1	G:5:MAN:C6	1.132
6	B:77:ARG:NH1	G:5:MAN:H4	1.132
6	A:77:ARG:NH1	Q:5:MAN:C6	1.130
6	A:77:ARG:NH1	Q:5:MAN:H4	1.129
6	A:77:ARG:NH1	Q:5:MAN:C4	1.118

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:77:ARG:NH1	G:5:MAN:C4	1.117
6	B:77:ARG:HH12	G:5:MAN:H61	1.107
6	A:165:ASN:CG	C:1:NAG:O6	1.106
6	B:165:ASN:CG	O:1:NAG:O6	1.105
6	A:77:ARG:HH12	Q:5:MAN:H61	1.104
6	A:114:ASN:ND2	J:1:NAG:C1	1.081
6	B:114:ASN:ND2	K:1:NAG:C1	1.081
6	B:409:ASN:OD1	N:3:BMA:H62	1.078
6	A:409:ASN:OD1	D:3:BMA:H62	1.076
6	A:409:ASN:HB2	D:2:NAG:C1	1.075
6	B:409:ASN:HB2	N:2:NAG:C1	1.075
6	A:30:LYS:HB3	G:11:MAN:H4	1.074
6	B:30:LYS:HB3	Q:11:MAN:H4	1.069
6	A:28:ARG:O	G:1:NAG:O6	1.009
6	B:28:ARG:O	Q:1:NAG:O6	1.009
6	B:488:THR:CG2	M:2:NAG:CT	1.007
6	A:488:THR:CG2	E:2:NAG:CT	1.006
6	B:488:THR:CG2	M:2:NAG:C	0.984
6	A:488:THR:CG2	E:2:NAG:C	0.982
6	A:77:ARG:NH1	Q:5:MAN:O6	0.973
6	B:77:ARG:NH1	G:5:MAN:O6	0.972
6	B:28:ARG:NH1	Q:2:NAG:O	0.965
6	A:28:ARG:NH1	G:2:NAG:O	0.964

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:30:LYS:HB3	G:11:MAN:O4	0.953
6	B:30:LYS:HB3	Q:11:MAN:O4	0.952
6	A:165:ASN:ND2	C:1:NAG:H61	0.952
6	B:165:ASN:ND2	O:1:NAG:H61	0.951
6	A:165:ASN:ND2	C:1:NAG:H62	0.944
6	B:165:ASN:ND2	O:1:NAG:H62	0.942
6	A:77:ARG:CZ	Q:5:MAN:O4	0.939
6	B:77:ARG:CZ	G:5:MAN:O4	0.937
6	B:463:ASN:CG	R:1:NAG:C1	0.923
6	A:463:ASN:CG	H:1:NAG:C1	0.921
6	A:488:THR:HG23	E:2:NAG:C	0.915
6	B:488:THR:HG23	M:2:NAG:C	0.912
6	A:229:TYR:O	I:1:NAG:O4	0.893
6	A:165:ASN:ND2	C:1:NAG:O6	0.885
6	B:165:ASN:ND2	O:1:NAG:O6	0.885
6	B:229:TYR:O	L:1:NAG:O4	0.885
6	B:409:ASN:N	N:2:NAG:N	0.867
6	A:409:ASN:N	D:2:NAG:N	0.866
6	B:77:ARG:CZ	G:5:MAN:H4	0.865
6	A:77:ARG:CZ	Q:5:MAN:H4	0.864
6	B:28:ARG:CG	Q:2:NAG:C	0.861
6	A:28:ARG:CG	G:2:NAG:C	0.859
6	A:229:TYR:O	I:1:NAG:C4	0.858

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:229:TYR:O	L:1:NAG:C4	0.858
6	A:409:ASN:HB3	D:1:NAG:H4	0.837
6	A:501:ASP:OD2	A:502:PHE:HD2	0.837
6	A:77:ARG:CZ	Q:5:MAN:C4	0.836
6	B:409:ASN:HB3	N:1:NAG:H4	0.836
6	B:77:ARG:CZ	G:5:MAN:C4	0.835
6	B:501:ASP:OD2	B:502:PHE:HD2	0.835
6	B:77:ARG:HH12	G:5:MAN:C4	0.823
6	A:77:ARG:HH12	Q:5:MAN:C4	0.822
6	B:239:VAL:CG1	L:10:MAN:O6	0.818
6	B:77:ARG:HH12	G:5:MAN:C5	0.804
6	A:77:ARG:HH12	Q:5:MAN:C5	0.803
6	A:31:ASN:ND2	G:1:NAG:O6	0.800
6	A:77:ARG:HH22	Q:5:MAN:HO4	0.800
6	B:31:ASN:ND2	Q:1:NAG:O6	0.800
6	B:77:ARG:HH22	G:5:MAN:HO4	0.799
6	A:488:THR:OG1	E:2:NAG:C	0.785
6	B:488:THR:OG1	M:2:NAG:C	0.783
6	A:165:ASN:OD1	C:1:NAG:O6	0.782
6	B:165:ASN:OD1	O:1:NAG:O6	0.782
6	A:30:LYS:CG	G:11:MAN:H61	0.777
6	B:30:LYS:CG	Q:11:MAN:H61	0.776
6	A:463:ASN:ND2	H:1:NAG:O5	0.772

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:165:ASN:CG	O:1:NAG:C6	0.771
6	B:463:ASN:ND2	R:1:NAG:O5	0.770
6	A:165:ASN:CG	C:1:NAG:C6	0.768
6	A:488:THR:H	E:2:NAG:CT	0.768
6	B:488:THR:H	M:2:NAG:CT	0.766
6	A:499:ASN:H	A:499:ASN:HD22	0.765
6	B:499:ASN:HD21	B:502:PHE:HB2	0.764
6	A:499:ASN:HD21	A:502:PHE:HB2	0.763
6	B:499:ASN:H	B:499:ASN:HD22	0.762
6	A:501:ASP:OD2	A:502:PHE:CD2	0.756
6	B:501:ASP:OD2	B:502:PHE:CD2	0.754
6	A:165:ASN:HD21	C:1:NAG:H62	0.733
6	B:165:ASN:HD21	O:1:NAG:H62	0.732
6	B:239:VAL:HG13	L:10:MAN:O6	0.731
6	A:77:ARG:NH1	Q:5:MAN:H61	0.724
6	A:165:ASN:HD21	C:1:NAG:C6	0.723
6	B:77:ARG:NH1	G:5:MAN:H61	0.723
6	B:165:ASN:HD21	O:1:NAG:C6	0.720
6	B:165:ASN:HD22	O:1:NAG:C6	0.694
6	B:408:LYS:HG2	N:2:NAG:O	0.692
6	A:498:LEU:HB2	A:502:PHE:O	0.691
6	A:165:ASN:HD22	C:1:NAG:C6	0.691
6	B:498:LEU:HB2	B:502:PHE:O	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:30:LYS:CB	G:11:MAN:C4	0.689
6	A:409:ASN:HB2	D:2:NAG:N	0.686
6	A:445:GLN:CD	F:1:NAG:H4	0.685
6	B:30:LYS:CB	Q:11:MAN:C4	0.685
6	B:445:GLN:CD	P:1:NAG:H4	0.685
6	A:408:LYS:HG2	D:2:NAG:O	0.684
6	B:409:ASN:HB2	N:2:NAG:N	0.684
6	B:499:ASN:N	B:499:ASN:ND2	0.675
6	A:499:ASN:N	A:499:ASN:ND2	0.674
6	A:499:ASN:H	A:499:ASN:ND2	0.671
6	B:77:ARG:NH1	G:5:MAN:C5	0.670
6	B:499:ASN:H	B:499:ASN:ND2	0.669
6	A:77:ARG:NH1	Q:5:MAN:C5	0.668
6	B:165:ASN:HD22	O:1:NAG:H61	0.653
6	A:165:ASN:HD22	C:1:NAG:H61	0.652
6	B:77:ARG:NH1	G:5:MAN:O4	0.650
6	A:77:ARG:NH1	Q:5:MAN:O4	0.647
6	B:409:ASN:OD1	N:3:BMA:C6	0.644
6	A:409:ASN:OD1	D:3:BMA:C6	0.643
6	B:166:ASN:ND2	O:1:NAG:C1	0.622
6	A:166:ASN:ND2	C:1:NAG:C1	0.621
6	A:409:ASN:HB2	D:1:NAG:O4	0.614
6	B:28:ARG:CG	B:28:ARG:HH11	0.614

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:28:ARG:CG	A:28:ARG:HH11	0.612
6	B:409:ASN:HB2	N:1:NAG:O4	0.612
6	A:341:ASN:HB3	A:342:PRO:HD3	0.610
6	B:341:ASN:HB3	B:342:PRO:HD3	0.610
6	A:409:ASN:HD22	A:410:ASN:H	0.592
6	A:447:LEU:HB3	A:448:PRO:HD3	0.591
6	B:409:ASN:HD22	B:410:ASN:H	0.591
6	A:30:LYS:HB2	G:1:NAG:H61	0.582
6	B:30:LYS:CG	Q:11:MAN:C4	0.581
6	B:30:LYS:HB2	Q:1:NAG:H61	0.581
6	A:30:LYS:CG	G:11:MAN:C4	0.579
6	A:391:ASN:HB3	A:393:GLN:HG3	0.560
6	B:391:ASN:HB3	B:393:GLN:HG3	0.560
6	A:488:THR:CB	E:2:NAG:N	0.557
6	A:229:TYR:O	I:1:NAG:H62	0.556
6	B:229:TYR:O	L:1:NAG:C6	0.556
6	A:229:TYR:O	I:1:NAG:C6	0.555
6	B:229:TYR:O	L:1:NAG:H62	0.554
6	B:488:THR:CB	M:2:NAG:N	0.554
6	B:488:THR:HG22	B:491:ARG:NH2	0.548
6	A:488:THR:HG22	A:491:ARG:NH2	0.547
6	A:408:LYS:CG	D:2:NAG:O	0.547
6	A:109:LEU:H	A:109:LEU:HD12	0.545

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:109:LEU:H	B:109:LEU:HD12	0.545
6	A:409:ASN:HB2	D:2:NAG:C2	0.543
6	B:409:ASN:HB2	N:2:NAG:C2	0.543
6	B:408:LYS:CG	N:2:NAG:O	0.542
6	A:114:ASN:CB	J:1:NAG:C1	0.541
6	B:105:ARG:HG2	B:203:LEU:HB3	0.540
6	B:114:ASN:CB	K:1:NAG:C1	0.539
6	A:359:THR:HG22	A:393:GLN:HG2	0.536
6	B:359:THR:HG22	B:393:GLN:HG2	0.536
6	B:488:THR:CB	M:2:NAG:C	0.531
6	A:488:THR:CB	E:2:NAG:C	0.530
6	A:114:ASN:OD1	J:1:NAG:C1	0.517
6	B:488:THR:CB	M:1:NAG:O4	0.512
6	A:488:THR:CB	E:1:NAG:O4	0.511
6	B:166:ASN:CG	O:1:NAG:C1	0.510
6	A:166:ASN:CG	C:1:NAG:C1	0.509
6	B:114:ASN:OD1	K:1:NAG:C1	0.504
6	A:499:ASN:N	A:499:ASN:HD22	0.499
6	B:499:ASN:N	B:499:ASN:HD22	0.497
6	B:409:ASN:HB3	N:1:NAG:C4	0.496
6	B:240:ILE:CG2	L:11:MAN:O3	0.494
6	B:488:THR:HG21	M:2:NAG:C2	0.494
6	A:240:ILE:CG2	I:11:MAN:O3	0.493

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:409:ASN:HB3	D:1:NAG:C4	0.493
6	A:488:THR:HG21	E:2:NAG:C2	0.493
6	B:28:ARG:C	Q:1:NAG:HO6	0.493
6	A:409:ASN:CB	D:1:NAG:H4	0.482
6	B:488:THR:OG1	M:2:NAG:N	0.481
6	A:463:ASN:CB	H:1:NAG:C1	0.480
6	B:28:ARG:CG	B:28:ARG:NH1	0.479
6	B:423:ILE:HB	B:424:PRO:HD3	0.479
6	B:463:ASN:CB	R:1:NAG:C1	0.479
6	A:488:THR:OG1	E:2:NAG:N	0.479
6	A:28:ARG:CG	A:28:ARG:NH1	0.478
6	B:409:ASN:CB	N:1:NAG:H4	0.478
6	A:423:ILE:HB	A:424:PRO:HD3	0.477
6	A:409:ASN:CG	D:3:BMA:H62	0.475
6	A:28:ARG:HG3	G:2:NAG:O	0.475
6	B:409:ASN:CG	N:3:BMA:H62	0.474
6	B:28:ARG:HG3	Q:2:NAG:O	0.470
6	A:30:LYS:CG	G:11:MAN:C6	0.459
6	A:528:PRO:HA	A:529:PRO:HD3	0.457
6	B:30:LYS:CG	Q:11:MAN:C6	0.457
6	B:528:PRO:HA	B:529:PRO:HD3	0.454
6	A:488:THR:HG21	E:2:NAG:C1	0.452
6	A:77:ARG:HH21	A:91:PRO:HB2	0.451

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:488:THR:HG21	M:2:NAG:C1	0.451
6	B:409:ASN:CB	N:1:NAG:C4	0.450
6	A:28:ARG:HG2	A:28:ARG:HH11	0.449
6	A:409:ASN:CB	D:1:NAG:C4	0.449
6	A:409:ASN:CB	D:2:NAG:C1	0.447
6	B:409:ASN:CB	N:2:NAG:C1	0.447
6	B:28:ARG:HG2	B:28:ARG:HH11	0.443
6	A:341:ASN:CB	A:342:PRO:HD3	0.441
6	B:341:ASN:CB	B:342:PRO:HD3	0.441
6	B:33:SER:HB3	B:83:ILE:HD12	0.440
6	A:33:SER:HB3	A:83:ILE:HD12	0.439
6	B:240:ILE:HG21	L:11:MAN:O3	0.439
6	A:240:ILE:HG21	I:11:MAN:O3	0.438
6	A:485:SER:HA	A:486:PRO:C	0.435
6	B:485:SER:HA	B:486:PRO:C	0.435
6	A:386:LYS:HD2	A:397:ILE:HD11	0.433
6	B:386:LYS:HD2	B:397:ILE:HD11	0.431
6	A:28:ARG:HA	G:1:NAG:H62	0.428
6	A:527:ASN:HA	A:528:PRO:C	0.427
6	B:28:ARG:HA	Q:1:NAG:H62	0.427
6	B:165:ASN:CG	O:1:NAG:H61	0.427
6	B:527:ASN:HA	B:528:PRO:C	0.427
6	A:165:ASN:CG	C:1:NAG:H61	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:378:LEU:HD12	A:417:LEU:HG	0.421
6	B:378:LEU:HD12	B:417:LEU:HG	0.421
6	A:30:LYS:O	G:11:MAN:O3	0.417
6	B:30:LYS:O	Q:11:MAN:O3	0.417
6	A:535:ILE:O	F:2:NAG:CT	0.414
6	B:535:ILE:O	P:2:NAG:CT	0.414
6	B:231:GLU:HA	B:328:THR:O	0.413
6	A:231:GLU:HA	A:328:THR:O	0.412
6	B:423:ILE:O	B:425:PRO:HD3	0.412
6	B:486:PRO:HB2	M:2:NAG:O	0.412
6	A:423:ILE:O	A:425:PRO:HD3	0.411
6	A:486:PRO:HB2	E:2:NAG:O	0.411
6	A:31:ASN:HD21	G:1:NAG:H5	0.411
6	B:31:ASN:HD21	Q:1:NAG:H5	0.407
6	A:122:LYS:HD2	C:11:MAN:O3	0.405
6	B:122:LYS:HD2	O:11:MAN:O3	0.405
6	A:262:ARG:HH12	A:264:SER:HA	0.401
6	B:262:ARG:HH12	B:264:SER:HA	0.401
7	B:166:ASN:HD22	O:1:NAG:C5	1.548
7	A:166:ASN:HD22	C:1:NAG:C5	1.545
7	B:30:LYS:CG	Q:11:MAN:H61	1.515
7	A:30:LYS:CG	G:11:MAN:H61	1.513
7	A:31:ASN:HD21	G:1:NAG:C5	1.483

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:31:ASN:HD21	Q:1:NAG:C5	1.482
7	B:166:ASN:ND2	O:1:NAG:C5	1.462
7	A:166:ASN:ND2	C:1:NAG:C5	1.455
7	A:460:ASN:OD1	H:1:NAG:CT	1.425
7	B:460:ASN:OD1	R:1:NAG:CT	1.423
7	A:166:ASN:ND2	C:1:NAG:O6	1.374
7	B:166:ASN:ND2	O:1:NAG:O6	1.371
7	B:166:ASN:ND2	O:1:NAG:C6	1.328
7	A:166:ASN:ND2	C:1:NAG:C6	1.326
7	B:231:GLU:OE1	L:10:MAN:O5	1.265
7	A:231:GLU:OE1	I:10:MAN:O5	1.263
7	A:229:TYR:CD2	I:2:NAG:O3	1.236
7	B:229:TYR:CD2	L:2:NAG:O3	1.232
7	A:460:ASN:CG	H:1:NAG:CT	1.226
7	B:30:LYS:CG	Q:11:MAN:C6	1.226
7	B:460:ASN:CG	R:1:NAG:CT	1.225
7	A:30:LYS:CG	G:11:MAN:C6	1.224
7	A:31:ASN:ND2	G:1:NAG:C5	1.129
7	B:31:ASN:ND2	Q:1:NAG:C5	1.128
7	B:408:LYS:HB3	N:11:MAN:H61	1.117
7	B:408:LYS:HB3	N:11:MAN:C6	1.116
7	A:408:LYS:HB3	D:11:MAN:C6	1.115
7	A:408:LYS:HB3	D:11:MAN:H61	1.114

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:408:LYS:HG3	D:11:MAN:O4	1.107
7	B:408:LYS:HG3	N:11:MAN:O4	1.107
7	B:231:GLU:OE1	L:10:MAN:C1	1.080
7	A:231:GLU:OE1	I:10:MAN:C1	1.079
7	A:532:ASN:OD1	F:1:NAG:N	1.077
7	B:532:ASN:OD1	P:1:NAG:N	1.077
7	B:31:ASN:HD21	Q:1:NAG:H5	1.065
7	A:31:ASN:HD21	G:1:NAG:H5	1.060
7	A:460:ASN:OD1	H:1:NAG:C	1.059
7	B:166:ASN:ND2	O:1:NAG:H5	1.058
7	B:460:ASN:OD1	R:1:NAG:C	1.058
7	A:460:ASN:HB3	H:1:NAG:CT	1.055
7	B:460:ASN:HB3	R:1:NAG:CT	1.054
7	A:166:ASN:ND2	C:1:NAG:H5	1.052
7	B:229:TYR:HD2	L:2:NAG:O3	1.028
7	A:460:ASN:CB	H:1:NAG:CT	1.026
7	B:460:ASN:CB	R:1:NAG:CT	1.026
7	A:330:ILE:HD13	I:10:MAN:O6	1.023
7	A:28:ARG:CZ	G:2:NAG:O3	1.021
7	A:229:TYR:HD2	I:2:NAG:O3	1.021
7	B:28:ARG:CZ	Q:2:NAG:O3	1.020
7	A:408:LYS:CB	D:11:MAN:H61	1.014
7	B:408:LYS:CB	N:11:MAN:H61	1.014

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:30:LYS:CB	Q:11:MAN:H61	0.965
7	A:30:LYS:CB	G:11:MAN:H61	0.964
7	B:31:ASN:ND2	Q:1:NAG:H5	0.927
7	A:31:ASN:ND2	G:1:NAG:H5	0.924
7	A:229:TYR:CE2	I:2:NAG:O3	0.923
7	B:229:TYR:CE2	L:2:NAG:O3	0.923
7	A:408:LYS:O	D:11:MAN:H4	0.907
7	B:408:LYS:O	N:11:MAN:H4	0.906
7	B:166:ASN:ND2	O:1:NAG:O5	0.903
7	A:166:ASN:ND2	C:1:NAG:O5	0.897
7	A:30:LYS:CG	G:11:MAN:H4	0.893
7	B:30:LYS:CG	Q:11:MAN:H4	0.893
7	B:240:ILE:O	L:11:MAN:O2	0.881
7	A:240:ILE:O	I:11:MAN:O2	0.880
7	B:229:TYR:HD2	L:2:NAG:C3	0.847
7	A:229:TYR:HD2	I:2:NAG:C3	0.846
7	A:229:TYR:CD2	I:2:NAG:C	0.844
7	B:229:TYR:CD2	L:2:NAG:C	0.844
7	B:517:GLU:N	M:2:NAG:CT	0.844
7	A:517:GLU:N	E:2:NAG:CT	0.843
7	A:229:TYR:CD2	I:2:NAG:N	0.842
7	B:229:TYR:CD2	L:2:NAG:N	0.842
7	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:501:ASP:OD2	B:502:PHE:HD2	0.835
7	A:413:ASN:CG	D:1:NAG:C1	0.830
7	B:148:ARG:HB3	O:1:NAG:C	0.827
7	A:148:ARG:HB3	C:1:NAG:C	0.826
7	B:408:LYS:C	N:11:MAN:H4	0.783
7	A:408:LYS:C	D:11:MAN:H4	0.782
7	A:499:ASN:H	A:499:ASN:HD22	0.765
7	B:499:ASN:HD21	B:502:PHE:HB2	0.764
7	A:499:ASN:HD21	A:502:PHE:HB2	0.763
7	B:499:ASN:H	B:499:ASN:HD22	0.762
7	B:517:GLU:H	M:2:NAG:CT	0.758
7	A:517:GLU:H	E:2:NAG:CT	0.757
7	A:501:ASP:OD2	A:502:PHE:CD2	0.756
7	B:501:ASP:OD2	B:502:PHE:CD2	0.754
7	A:28:ARG:NH1	G:2:NAG:N	0.741
7	B:28:ARG:NH1	Q:2:NAG:N	0.740
7	A:229:TYR:HD2	I:2:NAG:N	0.732
7	A:166:ASN:CB	C:1:NAG:C1	0.730
7	B:166:ASN:CB	O:1:NAG:C1	0.730
7	B:229:TYR:HD2	L:2:NAG:N	0.728
7	B:231:GLU:CD	L:7:MAN:C6	0.716
7	A:231:GLU:CD	I:7:MAN:C6	0.715
7	A:498:LEU:HB2	A:502:PHE:O	0.691

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:408:LYS:CG	D:11:MAN:H61	0.690
7	B:498:LEU:HB2	B:502:PHE:O	0.690
7	B:231:GLU:OE1	L:7:MAN:C6	0.689
7	B:408:LYS:CG	N:11:MAN:H61	0.688
7	A:231:GLU:OE1	I:7:MAN:C6	0.688
7	A:532:ASN:CG	F:1:NAG:N	0.686
7	B:532:ASN:CG	P:1:NAG:N	0.686
7	A:114:ASN:HB2	J:1:NAG:C1	0.681
7	B:114:ASN:HB2	K:1:NAG:C1	0.681
7	A:28:ARG:NH2	G:2:NAG:O3	0.679
7	B:28:ARG:NH2	Q:2:NAG:O3	0.677
7	B:499:ASN:N	B:499:ASN:ND2	0.675
7	A:499:ASN:N	A:499:ASN:ND2	0.674
7	A:30:LYS:CG	G:11:MAN:C4	0.671
7	A:499:ASN:H	A:499:ASN:ND2	0.671
7	B:30:LYS:CG	Q:11:MAN:C4	0.670
7	B:499:ASN:H	B:499:ASN:ND2	0.669
7	A:231:GLU:CD	I:7:MAN:H62	0.663
7	B:408:LYS:CG	N:11:MAN:O4	0.663
7	B:231:GLU:CD	L:7:MAN:H62	0.662
7	A:408:LYS:CG	D:11:MAN:O4	0.662
7	A:231:GLU:HB2	I:10:MAN:C1	0.659
7	B:231:GLU:HB2	L:10:MAN:C1	0.659

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:148:ARG:CB	C:1:NAG:C	0.654
7	B:148:ARG:CB	O:1:NAG:C	0.653
7	A:413:ASN:OD1	D:1:NAG:C1	0.650
7	A:166:ASN:HB3	C:1:NAG:C1	0.646
7	A:408:LYS:HB3	D:11:MAN:O6	0.646
7	B:166:ASN:HB3	O:1:NAG:C1	0.646
7	B:408:LYS:HB3	N:11:MAN:O6	0.644
7	B:30:LYS:CG	Q:11:MAN:C5	0.636
7	A:30:LYS:CG	G:11:MAN:C5	0.635
7	A:28:ARG:HA	G:1:NAG:C6	0.633
7	B:28:ARG:HA	Q:1:NAG:C6	0.633
7	B:28:ARG:CG	B:28:ARG:HH11	0.614
7	A:31:ASN:ND2	G:1:NAG:O6	0.613
7	B:31:ASN:ND2	Q:1:NAG:O6	0.613
7	A:28:ARG:CG	A:28:ARG:HH11	0.612
7	A:28:ARG:HA	G:1:NAG:H61	0.612
7	B:28:ARG:HA	Q:1:NAG:H61	0.611
7	A:341:ASN:HB3	A:342:PRO:HD3	0.610
7	B:341:ASN:HB3	B:342:PRO:HD3	0.610
7	A:229:TYR:CB	I:2:NAG:N	0.606
7	B:229:TYR:CB	L:2:NAG:N	0.606
7	B:28:ARG:CA	Q:1:NAG:C6	0.602
7	A:28:ARG:CA	G:1:NAG:C6	0.601

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:408:LYS:HG3	D:11:MAN:HO4	0.601
7	A:409:ASN:HD22	A:410:ASN:H	0.592
7	A:447:LEU:HB3	A:448:PRO:HD3	0.591
7	B:409:ASN:HD22	B:410:ASN:H	0.591
7	A:166:ASN:HB2	C:1:NAG:C1	0.583
7	A:28:ARG:NH1	G:2:NAG:O3	0.583
7	B:166:ASN:HB2	O:1:NAG:C1	0.582
7	B:28:ARG:NH1	Q:2:NAG:O3	0.582
7	A:229:TYR:HB2	I:2:NAG:N	0.563
7	B:229:TYR:HB2	L:2:NAG:N	0.563
7	A:28:ARG:NH1	G:2:NAG:C	0.563
7	A:231:GLU:OE1	I:7:MAN:H61	0.563
7	B:231:GLU:OE1	L:7:MAN:H61	0.563
7	B:28:ARG:NH1	Q:2:NAG:C	0.563
7	A:391:ASN:HB3	A:393:GLN:HG3	0.560
7	B:391:ASN:HB3	B:393:GLN:HG3	0.560
7	A:231:GLU:CD	I:7:MAN:H61	0.556
7	B:231:GLU:CD	L:7:MAN:H61	0.554
7	A:229:TYR:HD2	I:2:NAG:C2	0.554
7	B:229:TYR:HD2	L:2:NAG:C2	0.554
7	B:28:ARG:HG2	B:28:ARG:HH11	0.552
7	A:28:ARG:HG2	A:28:ARG:HH11	0.551
7	A:166:ASN:CB	C:1:NAG:O5	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:166:ASN:CB	O:1:NAG:O5	0.551
7	B:488:THR:HG22	B:491:ARG:NH2	0.548
7	A:488:THR:HG22	A:491:ARG:NH2	0.547
7	B:408:LYS:HG3	N:11:MAN:HO4	0.547
7	A:109:LEU:H	A:109:LEU:HD12	0.545
7	B:109:LEU:H	B:109:LEU:HD12	0.545
7	A:461:SER:O	H:1:NAG:H61	0.545
7	A:166:ASN:HB3	C:1:NAG:O5	0.542
7	B:166:ASN:HB3	O:1:NAG:O5	0.541
7	B:105:ARG:HG2	B:203:LEU:HB3	0.540
7	A:359:THR:HG22	A:393:GLN:HG2	0.536
7	B:359:THR:HG22	B:393:GLN:HG2	0.536
7	A:30:LYS:HB2	G:11:MAN:H61	0.523
7	A:28:ARG:CZ	G:2:NAG:N	0.520
7	B:28:ARG:CZ	Q:2:NAG:N	0.519
7	B:28:ARG:CZ	Q:2:NAG:C	0.506
7	A:517:GLU:O	E:2:NAG:CT	0.504
7	B:517:GLU:O	M:2:NAG:CT	0.504
7	A:28:ARG:CZ	G:2:NAG:C	0.503
7	A:499:ASN:N	A:499:ASN:HD22	0.499
7	B:499:ASN:N	B:499:ASN:HD22	0.497
7	B:408:LYS:O	N:11:MAN:C4	0.494
7	B:166:ASN:CG	O:1:NAG:O6	0.494

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:408:LYS:HG2	N:11:MAN:H61	0.490
7	A:408:LYS:O	D:11:MAN:C4	0.490
7	A:166:ASN:CG	C:1:NAG:O6	0.490
7	A:408:LYS:HG2	D:11:MAN:H61	0.489
7	A:28:ARG:HA	G:1:NAG:H62	0.480
7	B:28:ARG:CG	B:28:ARG:NH1	0.479
7	B:28:ARG:HA	Q:1:NAG:H62	0.479
7	B:423:ILE:HB	B:424:PRO:HD3	0.479
7	A:28:ARG:CG	A:28:ARG:NH1	0.478
7	A:423:ILE:HB	A:424:PRO:HD3	0.477
7	A:28:ARG:CA	G:1:NAG:H62	0.471
7	B:28:ARG:CA	Q:1:NAG:H62	0.471
7	B:31:ASN:ND2	Q:1:NAG:C6	0.462
7	A:31:ASN:ND2	G:1:NAG:C6	0.459
7	A:528:PRO:HA	A:529:PRO:HD3	0.457
7	B:528:PRO:HA	B:529:PRO:HD3	0.454
7	A:330:ILE:CD1	I:10:MAN:O6	0.454
7	A:227:THR:O	I:2:NAG:O	0.453
7	A:77:ARG:HH21	A:91:PRO:HB2	0.451
7	A:330:ILE:HD13	I:10:MAN:HO6	0.451
7	A:229:TYR:CG	I:2:NAG:N	0.450
7	B:229:TYR:CG	L:2:NAG:N	0.450
7	A:229:TYR:CD2	I:2:NAG:C3	0.446

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:229:TYR:CD2	L:2:NAG:C3	0.442
7	A:341:ASN:CB	A:342:PRO:HD3	0.441
7	B:341:ASN:CB	B:342:PRO:HD3	0.441
7	B:33:SER:HB3	B:83:ILE:HD12	0.440
7	A:33:SER:HB3	A:83:ILE:HD12	0.439
7	A:409:ASN:N	D:11:MAN:O6	0.436
7	B:409:ASN:N	N:11:MAN:O6	0.436
7	A:485:SER:HA	A:486:PRO:C	0.435
7	B:485:SER:HA	B:486:PRO:C	0.435
7	A:386:LYS:HD2	A:397:ILE:HD11	0.433
7	B:386:LYS:HD2	B:397:ILE:HD11	0.431
7	A:527:ASN:HA	A:528:PRO:C	0.427
7	B:527:ASN:HA	B:528:PRO:C	0.427
7	B:229:TYR:CG	L:2:NAG:C	0.427
7	B:231:GLU:CD	L:10:MAN:C1	0.423
7	A:231:GLU:CD	I:10:MAN:C1	0.422
7	A:378:LEU:HD12	A:417:LEU:HG	0.421
7	B:378:LEU:HD12	B:417:LEU:HG	0.421
7	B:30:LYS:HB2	Q:11:MAN:H61	0.418
7	A:166:ASN:CG	C:1:NAG:O5	0.417
7	B:166:ASN:CG	O:1:NAG:O5	0.416
7	A:532:ASN:HD21	F:1:NAG:H3	0.415
7	A:229:TYR:CG	I:2:NAG:C	0.414

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:231:GLU:HA	B:328:THR:O	0.413
7	A:231:GLU:HA	A:328:THR:O	0.412
7	B:423:ILE:O	B:425:PRO:HD3	0.412
7	A:423:ILE:O	A:425:PRO:HD3	0.411
7	A:229:TYR:CE2	I:2:NAG:HO3	0.410
7	B:532:ASN:HD21	P:1:NAG:H3	0.408
7	A:262:ARG:HH12	A:264:SER:HA	0.401
7	B:262:ARG:HH12	B:264:SER:HA	0.401
8	A:28:ARG:HH11	G:2:NAG:CT	1.407
8	B:28:ARG:HH11	Q:2:NAG:CT	1.405
8	B:488:THR:HB	M:1:NAG:C6	1.360
8	A:488:THR:HB	E:1:NAG:C6	1.356
8	B:488:THR:CB	M:1:NAG:H62	1.314
8	A:488:THR:CB	E:1:NAG:H62	1.310
8	A:231:GLU:C	I:11:MAN:C6	1.244
8	B:231:GLU:C	L:11:MAN:C6	1.244
8	A:231:GLU:C	I:11:MAN:H61	1.190
8	B:231:GLU:C	L:11:MAN:H61	1.186
8	A:488:THR:CB	E:1:NAG:C6	1.185
8	B:488:THR:CB	M:1:NAG:C6	1.180
8	B:133:ILE:C	K:11:MAN:O4	1.171
8	A:133:ILE:C	J:11:MAN:O4	1.166
8	A:31:ASN:ND2	G:1:NAG:O6	1.124

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:31:ASN:ND2	Q:1:NAG:O6	1.123
8	B:231:GLU:O	L:11:MAN:H61	1.117
8	A:231:GLU:O	I:11:MAN:H61	1.116
8	A:28:ARG:NH1	G:2:NAG:CT	1.083
8	B:28:ARG:NH1	Q:2:NAG:CT	1.081
8	A:129:THR:H	J:2:NAG:CT	1.008
8	B:129:THR:H	K:2:NAG:CT	1.006
8	B:463:ASN:HD22	R:1:NAG:C1	1.005
8	A:463:ASN:HD22	H:1:NAG:C1	1.004
8	B:28:ARG:NH1	Q:2:NAG:C	0.973
8	A:28:ARG:NH1	G:2:NAG:C	0.972
8	A:109:LEU:CD2	J:7:MAN:O5	0.963
8	B:109:LEU:CD2	K:7:MAN:O5	0.962
8	A:28:ARG:HH11	G:2:NAG:C	0.952
8	B:28:ARG:HH11	Q:2:NAG:C	0.950
8	A:231:GLU:OE1	I:7:MAN:H62	0.936
8	B:231:GLU:OE1	L:7:MAN:H62	0.934
8	A:109:LEU:HD23	J:7:MAN:O5	0.911
8	B:109:LEU:HD23	K:7:MAN:O5	0.911
8	B:129:THR:O	K:2:NAG:CT	0.891
8	A:129:THR:O	J:2:NAG:CT	0.890
8	A:532:ASN:ND2	F:1:NAG:O6	0.889
8	B:532:ASN:ND2	P:1:NAG:O6	0.889

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:488:THR:HB	M:1:NAG:H62	0.884
8	A:488:THR:HB	E:1:NAG:H62	0.876
8	A:501:ASP:OD2	A:502:PHE:HD2	0.837
8	B:501:ASP:OD2	B:502:PHE:HD2	0.835
8	B:530:LYS:CD	P:1:NAG:O	0.833
8	A:530:LYS:CD	F:1:NAG:O	0.832
8	A:532:ASN:CG	F:1:NAG:C1	0.803
8	B:532:ASN:CG	P:1:NAG:C1	0.801
8	A:488:THR:HB	E:1:NAG:H61	0.783
8	B:488:THR:HB	M:1:NAG:H61	0.783
8	B:488:THR:HG21	M:2:NAG:N	0.769
8	A:488:THR:HG21	E:2:NAG:N	0.768
8	A:499:ASN:H	A:499:ASN:HD22	0.765
8	B:499:ASN:HD21	B:502:PHE:HB2	0.764
8	A:499:ASN:HD21	A:502:PHE:HB2	0.763
8	B:499:ASN:H	B:499:ASN:HD22	0.762
8	A:501:ASP:OD2	A:502:PHE:CD2	0.756
8	B:501:ASP:OD2	B:502:PHE:CD2	0.754
8	A:488:THR:HB	E:1:NAG:C5	0.752
8	B:488:THR:HB	M:1:NAG:C5	0.752
8	B:530:LYS:HD2	P:1:NAG:O	0.751
8	A:530:LYS:HD2	F:1:NAG:O	0.749
8	A:31:ASN:HD21	G:1:NAG:H5	0.748

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:31:ASN:HD21	Q:1:NAG:H5	0.747
8	A:488:THR:OG1	E:1:NAG:H62	0.740
8	B:488:THR:OG1	M:1:NAG:H62	0.739
8	B:488:THR:CB	M:1:NAG:H61	0.738
8	A:463:ASN:HB2	H:1:NAG:C1	0.736
8	A:530:LYS:HD3	F:1:NAG:O	0.736
8	B:530:LYS:HD3	P:1:NAG:O	0.736
8	A:532:ASN:ND2	F:1:NAG:O5	0.736
8	B:532:ASN:ND2	P:1:NAG:O5	0.736
8	B:463:ASN:HB2	R:1:NAG:C1	0.735
8	A:488:THR:CB	E:1:NAG:H61	0.733
8	A:31:ASN:HD21	G:1:NAG:C5	0.727
8	B:31:ASN:HD21	Q:1:NAG:C5	0.727
8	B:229:TYR:CD2	L:2:NAG:O	0.718
8	A:229:TYR:CD2	I:2:NAG:O	0.717
8	A:129:THR:N	J:2:NAG:CT	0.712
8	B:129:THR:N	K:2:NAG:CT	0.712
8	A:109:LEU:HD21	J:7:MAN:O5	0.708
8	B:109:LEU:HD21	K:7:MAN:O5	0.708
8	A:31:ASN:ND2	G:1:NAG:C5	0.699
8	B:107:GLU:HB2	K:11:MAN:O3	0.698
8	B:31:ASN:ND2	Q:1:NAG:C5	0.698
8	A:107:GLU:HB2	J:11:MAN:O3	0.697

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:532:ASN:HD21	P:1:NAG:C6	0.692
8	A:498:LEU:HB2	A:502:PHE:O	0.691
8	A:532:ASN:HD21	F:1:NAG:C6	0.691
8	B:498:LEU:HB2	B:502:PHE:O	0.690
8	B:463:ASN:ND2	R:1:NAG:C1	0.690
8	A:463:ASN:ND2	H:1:NAG:C1	0.688
8	A:31:ASN:ND2	G:1:NAG:H5	0.685
8	B:31:ASN:ND2	Q:1:NAG:H5	0.684
8	B:31:ASN:HD21	Q:1:NAG:C6	0.676
8	A:31:ASN:HD21	G:1:NAG:C6	0.675
8	B:499:ASN:N	B:499:ASN:ND2	0.675
8	A:499:ASN:N	A:499:ASN:ND2	0.674
8	A:499:ASN:H	A:499:ASN:ND2	0.671
8	B:499:ASN:H	B:499:ASN:ND2	0.669
8	A:107:GLU:C	J:11:MAN:O2	0.659
8	B:107:GLU:C	K:11:MAN:O2	0.659
8	A:31:ASN:CG	G:1:NAG:C5	0.658
8	B:31:ASN:CG	Q:1:NAG:C5	0.658
8	B:488:THR:HB	M:1:NAG:C4	0.657
8	A:488:THR:HB	E:1:NAG:C4	0.655
8	A:114:ASN:O	J:1:NAG:O6	0.650
8	B:114:ASN:O	K:1:NAG:O6	0.648
8	A:133:ILE:C	J:11:MAN:HO4	0.636

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:133:ILE:C	K:11:MAN:HO4	0.631
8	A:231:GLU:CD	I:7:MAN:H62	0.613
8	B:231:GLU:CD	L:7:MAN:H62	0.612
8	A:488:THR:HB	E:1:NAG:O4	0.611
8	A:341:ASN:HB3	A:342:PRO:HD3	0.610
8	B:341:ASN:HB3	B:342:PRO:HD3	0.610
8	B:488:THR:HB	M:1:NAG:O4	0.610
8	A:129:THR:CG2	J:2:NAG:CT	0.605
8	B:129:THR:CG2	K:2:NAG:CT	0.605
8	A:409:ASN:HD22	A:410:ASN:H	0.592
8	A:129:THR:HG22	J:2:NAG:CT	0.591
8	A:447:LEU:HB3	A:448:PRO:HD3	0.591
8	B:129:THR:HG22	K:2:NAG:CT	0.591
8	B:409:ASN:HD22	B:410:ASN:H	0.591
8	A:77:ARG:NH1	Q:10:MAN:O5	0.589
8	B:77:ARG:NH1	G:10:MAN:O5	0.588
8	A:31:ASN:CG	G:1:NAG:H5	0.564
8	B:31:ASN:CG	Q:1:NAG:H5	0.564
8	A:107:GLU:C	J:11:MAN:HO2	0.562
8	A:391:ASN:HB3	A:393:GLN:HG3	0.560
8	B:391:ASN:HB3	B:393:GLN:HG3	0.560
8	B:107:GLU:C	K:11:MAN:HO2	0.557
8	A:109:LEU:HD23	J:7:MAN:C1	0.554

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:109:LEU:HD23	K:7:MAN:C1	0.554
8	A:532:ASN:CG	F:1:NAG:O5	0.551
8	B:532:ASN:CG	P:1:NAG:O5	0.551
8	A:229:TYR:CD2	I:2:NAG:C	0.550
8	B:488:THR:HG22	B:491:ARG:NH2	0.548
8	B:231:GLU:OE1	L:7:MAN:C6	0.548
8	A:488:THR:HG22	A:491:ARG:NH2	0.547
8	A:109:LEU:H	A:109:LEU:HD12	0.545
8	B:109:LEU:H	B:109:LEU:HD12	0.545
8	A:231:GLU:OE1	I:7:MAN:C6	0.545
8	B:105:ARG:HG2	B:203:LEU:HB3	0.540
8	A:359:THR:HG22	A:393:GLN:HG2	0.536
8	B:359:THR:HG22	B:393:GLN:HG2	0.536
8	B:231:GLU:O	L:11:MAN:C6	0.535
8	B:31:ASN:ND2	Q:1:NAG:C6	0.535
8	A:31:ASN:ND2	G:1:NAG:C6	0.534
8	A:231:GLU:O	I:11:MAN:C6	0.531
8	B:109:LEU:HG	K:10:MAN:H2	0.526
8	A:109:LEU:HG	J:10:MAN:H2	0.525
8	A:28:ARG:NH1	G:2:NAG:O	0.514
8	B:28:ARG:NH1	Q:2:NAG:O	0.514
8	B:229:TYR:CG	L:2:NAG:O	0.510
8	A:133:ILE:CG1	J:11:MAN:C2	0.509

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:107:GLU:O	J:11:MAN:O2	0.509
8	A:229:TYR:CG	I:2:NAG:O	0.509
8	B:107:GLU:O	K:11:MAN:O2	0.508
8	B:133:ILE:CG1	K:11:MAN:C2	0.504
8	A:499:ASN:N	A:499:ASN:HD22	0.499
8	B:499:ASN:N	B:499:ASN:HD22	0.497
8	A:231:GLU:OE1	I:10:MAN:C1	0.489
8	B:231:GLU:OE1	L:10:MAN:C1	0.488
8	A:107:GLU:HB2	J:11:MAN:O2	0.483
8	B:107:GLU:HB2	K:11:MAN:O2	0.483
8	B:28:ARG:CZ	Q:2:NAG:O	0.482
8	A:28:ARG:CZ	G:2:NAG:O	0.481
8	B:423:ILE:HB	B:424:PRO:HD3	0.479
8	A:423:ILE:HB	A:424:PRO:HD3	0.477
8	B:107:GLU:CB	K:11:MAN:O2	0.472
8	A:107:GLU:CB	J:11:MAN:O2	0.471
8	A:532:ASN:HD21	F:1:NAG:HO6	0.465
8	B:532:ASN:HD21	P:1:NAG:HO6	0.460
8	A:528:PRO:HA	A:529:PRO:HD3	0.457
8	B:528:PRO:HA	B:529:PRO:HD3	0.454
8	A:77:ARG:HH21	A:91:PRO:HB2	0.451
8	A:532:ASN:ND2	F:1:NAG:C5	0.451
8	B:532:ASN:ND2	P:1:NAG:C5	0.451

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:532:ASN:OD1	F:1:NAG:H5	0.443
8	A:341:ASN:CB	A:342:PRO:HD3	0.441
8	B:341:ASN:CB	B:342:PRO:HD3	0.441
8	B:532:ASN:OD1	P:1:NAG:H5	0.441
8	B:33:SER:HB3	B:83:ILE:HD12	0.440
8	A:33:SER:HB3	A:83:ILE:HD12	0.439
8	C:2:NAG:H5	C:3:BMA:O5	0.439
8	D:2:NAG:H5	D:3:BMA:O5	0.439
8	O:2:NAG:H5	O:3:BMA:O5	0.438
8	A:199:PRO:HG2	C:8:MAN:O4	0.437
8	N:2:NAG:H5	N:3:BMA:O5	0.437
8	B:199:PRO:HG2	O:8:MAN:O4	0.436
8	A:485:SER:HA	A:486:PRO:C	0.435
8	B:485:SER:HA	B:486:PRO:C	0.435
8	B:229:TYR:O	L:1:NAG:H4	0.435
8	A:229:TYR:O	I:1:NAG:H4	0.434
8	A:386:LYS:HD2	A:397:ILE:HD11	0.433
8	B:229:TYR:CD2	L:2:NAG:C	0.433
8	B:386:LYS:HD2	B:397:ILE:HD11	0.431
8	A:527:ASN:HA	A:528:PRO:C	0.427
8	B:527:ASN:HA	B:528:PRO:C	0.427
8	A:28:ARG:CZ	G:2:NAG:CT	0.426
8	B:28:ARG:CZ	Q:2:NAG:CT	0.422

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:378:LEU:HD12	A:417:LEU:HG	0.421
8	B:109:LEU:CD2	K:7:MAN:C1	0.421
8	B:378:LEU:HD12	B:417:LEU:HG	0.421
8	B:488:THR:HA	M:1:NAG:H61	0.420
8	A:109:LEU:CD2	J:7:MAN:C1	0.419
8	A:28:ARG:CG	A:28:ARG:NH1	0.419
8	A:488:THR:OG1	E:2:NAG:CT	0.418
8	B:488:THR:OG1	M:2:NAG:CT	0.418
8	A:129:THR:C	J:2:NAG:CT	0.417
8	B:28:ARG:CG	B:28:ARG:NH1	0.416
8	B:129:THR:C	K:2:NAG:CT	0.415
8	B:231:GLU:HA	B:328:THR:O	0.413
8	A:231:GLU:HA	A:328:THR:O	0.412
8	B:423:ILE:O	B:425:PRO:HD3	0.412
8	B:532:ASN:OD1	P:1:NAG:C1	0.412
8	B:445:GLN:NE2	P:1:NAG:O5	0.412
8	A:423:ILE:O	A:425:PRO:HD3	0.411
8	A:488:THR:HA	E:1:NAG:H61	0.411
8	A:243:ASN:O	I:1:NAG:O6	0.411
8	A:445:GLN:NE2	F:1:NAG:O5	0.411
8	A:532:ASN:OD1	F:1:NAG:C1	0.410
8	A:488:THR:CG2	E:2:NAG:N	0.409
8	A:491:ARG:HH21	E:1:NAG:C4	0.408

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:491:ARG:HH21	M:1:NAG:C4	0.408
8	B:488:THR:CG2	M:2:NAG:N	0.407
8	B:243:ASN:O	L:1:NAG:O6	0.407
8	A:129:THR:CA	J:2:NAG:CT	0.404
8	B:129:THR:CA	K:2:NAG:CT	0.404
8	A:262:ARG:HH12	A:264:SER:HA	0.401
8	B:262:ARG:HH12	B:264:SER:HA	0.401
9	B:133:ILE:HD12	K:5:MAN:C4	1.555
9	A:133:ILE:HD12	J:5:MAN:C4	1.548
9	A:330:ILE:CD1	I:11:MAN:H5	1.495
9	A:165:ASN:ND2	C:1:NAG:C6	1.442
9	B:165:ASN:ND2	O:1:NAG:C6	1.440
9	A:133:ILE:CG1	J:5:MAN:O4	1.413
9	A:413:ASN:ND2	D:1:NAG:C1	1.410
9	B:133:ILE:CG1	K:5:MAN:O4	1.410
9	A:133:ILE:CD1	J:5:MAN:C4	1.403
9	A:330:ILE:HD11	I:11:MAN:C5	1.398
9	A:408:LYS:CB	D:2:NAG:N	1.347
9	B:535:ILE:CG2	M:11:MAN:H61	1.323
9	A:471:ILE:HD13	D:10:MAN:C4	1.320
9	B:129:THR:O	K:2:NAG:CT	1.315
9	A:129:THR:O	J:2:NAG:CT	1.313
9	A:471:ILE:CD1	D:10:MAN:O4	1.309

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:109:LEU:CB	J:3:BMA:H61	1.301
9	B:109:LEU:CB	K:3:BMA:H61	1.298
9	B:517:GLU:OE2	M:7:MAN:H62	1.298
9	B:133:ILE:CD1	K:5:MAN:C4	1.274
9	B:535:ILE:CG2	M:11:MAN:O5	1.267
9	B:456:THR:OG1	R:11:MAN:O6	1.266
9	A:471:ILE:HD13	D:10:MAN:O4	1.243
9	A:330:ILE:HD11	I:11:MAN:C4	1.239
9	B:535:ILE:CG2	M:11:MAN:C6	1.235
9	A:471:ILE:HG21	D:10:MAN:O4	1.205
9	A:330:ILE:CD1	I:11:MAN:C4	1.179
9	A:133:ILE:HD11	J:5:MAN:H61	1.176
9	B:133:ILE:HD11	K:5:MAN:H61	1.170
9	A:31:ASN:HB3	G:1:NAG:O	1.159
9	B:535:ILE:HG22	M:11:MAN:H61	1.139
9	B:165:ASN:ND2	O:1:NAG:H62	1.137
9	A:165:ASN:ND2	C:1:NAG:H62	1.136
9	A:133:ILE:CD1	J:5:MAN:C5	1.108
9	B:133:ILE:CD1	K:5:MAN:C5	1.108
9	B:123:PRO:O	O:11:MAN:H4	1.105
9	A:330:ILE:CG1	I:11:MAN:O6	1.104
9	A:123:PRO:O	C:11:MAN:H4	1.103
9	A:123:PRO:O	C:11:MAN:C4	1.099

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:123:PRO:O	O:11:MAN:C4	1.098
9	A:408:LYS:HB2	D:2:NAG:N	1.082
9	B:109:LEU:HB3	K:3:BMA:C6	1.081
9	A:109:LEU:HB3	J:3:BMA:C6	1.080
9	A:133:ILE:CD1	J:5:MAN:O4	1.080
9	B:133:ILE:CD1	K:5:MAN:O4	1.079
9	A:471:ILE:CG2	D:10:MAN:O4	1.067
9	A:330:ILE:HG12	I:11:MAN:O6	1.062
9	A:471:ILE:CG1	D:10:MAN:O4	1.054
9	B:133:ILE:HD13	K:5:MAN:O4	1.054
9	B:165:ASN:CG	O:1:NAG:O6	1.052
9	A:165:ASN:CG	C:1:NAG:O6	1.051
9	A:133:ILE:HD13	J:5:MAN:O4	1.051
9	A:413:ASN:CG	D:1:NAG:C1	1.048
9	A:330:ILE:CG1	I:11:MAN:H5	1.016
9	A:133:ILE:HD12	J:5:MAN:H4	0.999
9	B:133:ILE:HD12	K:5:MAN:H4	0.999
9	A:111:GLN:NE2	J:11:MAN:H61	0.996
9	B:535:ILE:HG21	M:11:MAN:C6	0.995
9	B:111:GLN:NE2	K:11:MAN:H61	0.995
9	A:410:ASN:OD1	D:11:MAN:H61	0.986
9	A:410:ASN:CG	D:11:MAN:H61	0.975
9	B:165:ASN:ND2	O:1:NAG:H61	0.973

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:165:ASN:ND2	C:1:NAG:H61	0.972
9	B:133:ILE:HD11	K:5:MAN:C6	0.966
9	A:133:ILE:HD11	J:5:MAN:C6	0.965
9	A:330:ILE:HG13	I:11:MAN:O6	0.962
9	A:111:GLN:NE2	J:11:MAN:C6	0.952
9	B:111:GLN:NE2	K:11:MAN:C6	0.952
9	B:488:THR:C	M:1:NAG:O6	0.942
9	B:110:HIS:CE1	K:3:BMA:H62	0.939
9	A:110:HIS:CE1	J:3:BMA:H62	0.938
9	B:535:ILE:CD1	M:10:MAN:O2	0.935
9	A:471:ILE:CG2	D:10:MAN:HO4	0.934
9	B:535:ILE:HG21	M:11:MAN:O5	0.933
9	B:165:ASN:CG	O:1:NAG:C6	0.927
9	A:165:ASN:CG	C:1:NAG:C6	0.926
9	A:109:LEU:HB3	J:3:BMA:H61	0.923
9	B:109:LEU:HB3	K:3:BMA:H61	0.923
9	A:413:ASN:ND2	D:1:NAG:O5	0.923
9	B:517:GLU:N	M:2:NAG:O	0.917
9	B:517:GLU:OE2	M:7:MAN:C6	0.917
9	A:330:ILE:CG1	I:11:MAN:C5	0.914
9	A:123:PRO:HB2	C:11:MAN:O2	0.911
9	B:123:PRO:HB2	O:11:MAN:O2	0.910
9	A:123:PRO:HB2	C:11:MAN:H4	0.901

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:410:ASN:CG	D:11:MAN:C6	0.901
9	B:123:PRO:HB2	O:11:MAN:H4	0.901
9	A:133:ILE:CD1	J:5:MAN:H61	0.894
9	B:133:ILE:CD1	K:5:MAN:H61	0.894
9	A:408:LYS:HD3	D:2:NAG:C	0.893
9	B:111:GLN:HE21	K:11:MAN:H61	0.893
9	A:330:ILE:HD13	I:11:MAN:H5	0.891
9	A:111:GLN:HE21	J:11:MAN:H61	0.888
9	A:471:ILE:HG21	D:10:MAN:HO4	0.887
9	B:165:ASN:HD21	O:1:NAG:H62	0.882
9	A:123:PRO:O	C:11:MAN:O4	0.882
9	B:123:PRO:O	O:11:MAN:O4	0.881
9	A:165:ASN:HD21	C:1:NAG:H62	0.879
9	B:133:ILE:HD13	K:5:MAN:C5	0.853
9	A:133:ILE:HD13	J:5:MAN:C5	0.849
9	A:471:ILE:HD13	D:10:MAN:H4	0.847
9	A:165:ASN:ND2	C:1:NAG:O6	0.847
9	B:165:ASN:ND2	O:1:NAG:O6	0.847
9	A:501:ASP:OD2	A:502:PHE:HD2	0.837
9	A:133:ILE:CB	J:5:MAN:O4	0.837
9	A:471:ILE:CB	D:10:MAN:O4	0.836
9	B:133:ILE:CB	K:5:MAN:O4	0.836
9	B:501:ASP:OD2	B:502:PHE:HD2	0.835

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:517:GLU:CD	E:11:MAN:O2	0.822
9	A:330:ILE:HG13	I:11:MAN:O4	0.821
9	B:517:GLU:CD	M:7:MAN:H62	0.818
9	A:133:ILE:CD1	J:5:MAN:C6	0.812
9	B:133:ILE:CD1	K:5:MAN:C6	0.812
9	A:330:ILE:CD1	I:11:MAN:C5	0.809
9	B:109:LEU:CB	K:3:BMA:C6	0.805
9	A:109:LEU:CB	J:3:BMA:C6	0.803
9	A:31:ASN:HB3	G:1:NAG:C	0.800
9	A:330:ILE:HD12	I:11:MAN:C4	0.795
9	B:229:TYR:CD2	L:2:NAG:O3	0.794
9	A:229:TYR:CD2	I:2:NAG:O3	0.792
9	B:123:PRO:CB	O:11:MAN:O2	0.792
9	A:123:PRO:CB	C:11:MAN:O2	0.791
9	A:330:ILE:CD1	I:11:MAN:O4	0.791
9	A:517:GLU:OE1	E:11:MAN:O2	0.790
9	A:408:LYS:HB2	D:2:NAG:C	0.788
9	B:535:ILE:HD13	M:10:MAN:O2	0.786
9	A:471:ILE:CB	D:10:MAN:HO4	0.783
9	B:165:ASN:HD22	O:1:NAG:C6	0.783
9	A:165:ASN:HD22	C:1:NAG:C6	0.777
9	A:408:LYS:CD	D:2:NAG:C	0.773
9	A:133:ILE:HD13	J:5:MAN:H5	0.765

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:499:ASN:H	A:499:ASN:HD22	0.765
9	B:499:ASN:HD21	B:502:PHE:HB2	0.764
9	A:499:ASN:HD21	A:502:PHE:HB2	0.763
9	B:133:ILE:HD13	K:5:MAN:H5	0.763
9	B:499:ASN:H	B:499:ASN:HD22	0.762
9	A:501:ASP:OD2	A:502:PHE:CD2	0.756
9	B:501:ASP:OD2	B:502:PHE:CD2	0.754
9	A:408:LYS:H	D:2:NAG:CT	0.751
9	B:488:THR:C	M:1:NAG:HO6	0.748
9	B:31:ASN:HB3	Q:1:NAG:C	0.746
9	B:109:LEU:HG	K:3:BMA:O4	0.741
9	A:109:LEU:HG	J:3:BMA:O4	0.740
9	A:413:ASN:HD21	D:1:NAG:C1	0.739
9	B:123:PRO:C	O:11:MAN:H4	0.730
9	A:111:GLN:NE2	J:11:MAN:H62	0.730
9	A:123:PRO:C	C:11:MAN:H4	0.729
9	B:111:GLN:NE2	K:11:MAN:H62	0.729
9	B:488:THR:OG1	M:1:NAG:H61	0.727
9	A:109:LEU:CG	J:3:BMA:O4	0.726
9	A:408:LYS:HD3	D:2:NAG:O	0.726
9	B:109:LEU:CG	K:3:BMA:O4	0.721
9	A:471:ILE:HD13	D:10:MAN:HO4	0.718
9	A:330:ILE:CG1	I:11:MAN:C6	0.716

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:471:ILE:CD1	D:10:MAN:HO4	0.715
9	A:517:GLU:CD	E:11:MAN:HO2	0.714
9	B:31:ASN:HB3	Q:1:NAG:O	0.710
9	A:330:ILE:CG1	I:11:MAN:O4	0.709
9	A:488:THR:OG1	E:1:NAG:H61	0.693
9	A:498:LEU:HB2	A:502:PHE:O	0.691
9	B:498:LEU:HB2	B:502:PHE:O	0.690
9	A:123:PRO:C	C:11:MAN:H61	0.686
9	B:123:PRO:C	O:11:MAN:H61	0.686
9	A:229:TYR:CG	I:2:NAG:O3	0.685
9	B:229:TYR:CG	L:2:NAG:O3	0.684
9	B:535:ILE:HD11	M:10:MAN:O2	0.683
9	A:124:GLY:CA	C:11:MAN:H61	0.680
9	B:124:GLY:CA	O:11:MAN:H61	0.680
9	A:109:LEU:HB2	J:3:BMA:H61	0.678
9	A:488:THR:OG1	E:1:NAG:C6	0.675
9	B:109:LEU:HB2	K:3:BMA:H61	0.675
9	B:499:ASN:N	B:499:ASN:ND2	0.675
9	A:499:ASN:N	A:499:ASN:ND2	0.674
9	A:517:GLU:OE2	E:11:MAN:O2	0.674
9	A:133:ILE:HD13	J:5:MAN:C4	0.671
9	A:499:ASN:H	A:499:ASN:ND2	0.671
9	A:165:ASN:OD1	C:1:NAG:O6	0.670

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:165:ASN:OD1	O:1:NAG:O6	0.670
9	B:499:ASN:H	B:499:ASN:ND2	0.669
9	B:133:ILE:HD13	K:5:MAN:C4	0.663
9	B:517:GLU:HG3	M:2:NAG:C	0.658
9	A:408:LYS:HB3	D:2:NAG:C1	0.656
9	A:165:ASN:HD21	C:1:NAG:C6	0.655
9	B:165:ASN:HD21	O:1:NAG:C6	0.648
9	B:517:GLU:CA	M:2:NAG:O	0.642
9	B:517:GLU:OE1	M:10:MAN:C1	0.641
9	B:535:ILE:HG23	M:11:MAN:O2	0.631
9	A:123:PRO:O	C:11:MAN:H61	0.630
9	B:123:PRO:O	O:11:MAN:H61	0.628
9	B:535:ILE:HG23	M:11:MAN:O5	0.627
9	A:471:ILE:CD1	D:10:MAN:C4	0.626
9	B:165:ASN:HD22	O:1:NAG:H61	0.624
9	A:165:ASN:HD22	C:1:NAG:H61	0.622
9	A:129:THR:C	J:2:NAG:CT	0.622
9	B:129:THR:C	K:2:NAG:CT	0.622
9	B:31:ASN:CB	Q:1:NAG:C	0.621
9	A:330:ILE:HD12	I:11:MAN:O4	0.619
9	B:28:ARG:CG	B:28:ARG:HH11	0.614
9	A:129:THR:HG23	J:2:NAG:CT	0.613
9	B:129:THR:HG23	K:2:NAG:CT	0.613

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:408:LYS:N	D:2:NAG:CT	0.613
9	A:28:ARG:CG	A:28:ARG:HH11	0.612
9	A:341:ASN:HB3	A:342:PRO:HD3	0.610
9	A:471:ILE:HG21	D:10:MAN:C4	0.610
9	B:341:ASN:HB3	B:342:PRO:HD3	0.610
9	B:533:ILE:O	M:11:MAN:O3	0.610
9	A:330:ILE:HD12	I:11:MAN:H3	0.607
9	B:31:ASN:CB	Q:1:NAG:O	0.607
9	B:123:PRO:HB2	O:11:MAN:C4	0.607
9	A:123:PRO:CB	C:11:MAN:H4	0.607
9	B:123:PRO:CB	O:11:MAN:H4	0.607
9	A:123:PRO:HB2	C:11:MAN:C4	0.604
9	B:535:ILE:CG2	M:11:MAN:O2	0.603
9	B:165:ASN:HD22	O:1:NAG:H62	0.603
9	B:110:HIS:NE2	K:3:BMA:H62	0.601
9	A:110:HIS:NE2	J:3:BMA:H62	0.599
9	A:166:ASN:ND2	C:1:NAG:C1	0.598
9	B:166:ASN:ND2	O:1:NAG:C1	0.598
9	A:330:ILE:CD1	I:11:MAN:C3	0.594
9	A:409:ASN:HD22	A:410:ASN:H	0.592
9	A:447:LEU:HB3	A:448:PRO:HD3	0.591
9	B:409:ASN:HD22	B:410:ASN:H	0.591
9	A:109:LEU:HA	J:7:MAN:H62	0.589

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:109:LEU:HA	K:7:MAN:H62	0.589
9	B:517:GLU:OE1	M:10:MAN:H2	0.589
9	B:463:ASN:O	R:1:NAG:O6	0.586
9	A:110:HIS:CE1	J:3:BMA:C6	0.579
9	A:109:LEU:O	J:7:MAN:C6	0.579
9	B:109:LEU:O	K:7:MAN:C6	0.578
9	A:31:ASN:CB	G:1:NAG:O	0.578
9	A:330:ILE:HD12	I:11:MAN:C3	0.577
9	B:110:HIS:CE1	K:3:BMA:C6	0.577
9	B:535:ILE:HA	M:11:MAN:O2	0.575
9	A:488:THR:CB	E:1:NAG:H61	0.566
9	A:391:ASN:HB3	A:393:GLN:HG3	0.560
9	B:391:ASN:HB3	B:393:GLN:HG3	0.560
9	B:28:ARG:HG2	B:28:ARG:HH11	0.552
9	A:28:ARG:HG2	A:28:ARG:HH11	0.551
9	A:408:LYS:CA	D:2:NAG:N	0.551
9	B:488:THR:HG22	B:491:ARG:NH2	0.548
9	A:488:THR:HG22	A:491:ARG:NH2	0.547
9	A:109:LEU:H	A:109:LEU:HD12	0.545
9	B:109:LEU:H	B:109:LEU:HD12	0.545
9	B:535:ILE:CA	M:11:MAN:O2	0.541
9	B:105:ARG:HG2	B:203:LEU:HB3	0.540
9	A:124:GLY:HA3	C:11:MAN:H61	0.538

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:109:LEU:O	J:7:MAN:O6	0.538
9	B:109:LEU:O	K:7:MAN:O6	0.538
9	B:124:GLY:HA3	O:11:MAN:H61	0.537
9	B:165:ASN:CG	O:1:NAG:H61	0.537
9	A:359:THR:HG22	A:393:GLN:HG2	0.536
9	B:359:THR:HG22	B:393:GLN:HG2	0.536
9	A:123:PRO:O	C:11:MAN:C6	0.536
9	B:123:PRO:O	O:11:MAN:C6	0.536
9	B:517:GLU:C	M:2:NAG:O	0.534
9	A:165:ASN:CG	C:1:NAG:H61	0.530
9	A:330:ILE:HD13	I:10:MAN:C1	0.530
9	A:111:GLN:HE22	J:11:MAN:C6	0.523
9	B:111:GLN:HE22	K:11:MAN:C6	0.522
9	B:517:GLU:OE1	M:10:MAN:C2	0.513
9	B:517:GLU:CD	M:10:MAN:C1	0.510
9	A:330:ILE:HG12	I:11:MAN:C6	0.507
9	B:109:LEU:O	K:7:MAN:H62	0.505
9	A:109:LEU:O	J:7:MAN:H62	0.504
9	A:410:ASN:ND2	D:11:MAN:O6	0.502
9	A:124:GLY:HA3	C:11:MAN:C6	0.499
9	B:124:GLY:HA3	O:11:MAN:C6	0.499
9	A:124:GLY:N	C:11:MAN:H61	0.499
9	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:124:GLY:N	O:11:MAN:H61	0.498
9	A:330:ILE:HD11	I:11:MAN:C3	0.497
9	B:499:ASN:N	B:499:ASN:HD22	0.497
9	B:456:THR:HG21	R:11:MAN:O4	0.486
9	B:28:ARG:CG	B:28:ARG:NH1	0.479
9	B:423:ILE:HB	B:424:PRO:HD3	0.479
9	A:408:LYS:N	D:2:NAG:N	0.479
9	A:28:ARG:CG	A:28:ARG:NH1	0.478
9	A:423:ILE:HB	A:424:PRO:HD3	0.477
9	A:110:HIS:CE1	J:7:MAN:C1	0.476
9	B:110:HIS:CE1	K:7:MAN:C1	0.476
9	A:133:ILE:HD12	J:5:MAN:O4	0.474
9	A:410:ASN:HB3	D:11:MAN:H5	0.472
9	B:133:ILE:HD12	K:5:MAN:O4	0.471
9	A:330:ILE:HD11	I:11:MAN:C1	0.463
9	A:488:THR:HB	E:1:NAG:H61	0.459
9	B:450:GLU:O	R:2:NAG:C	0.459
9	B:133:ILE:HB	K:5:MAN:O4	0.459
9	A:528:PRO:HA	A:529:PRO:HD3	0.457
9	H:2:NAG:H5	H:3:BMA:O5	0.457
9	A:229:TYR:CB	I:2:NAG:O3	0.457
9	A:133:ILE:HB	J:5:MAN:O4	0.457
9	B:229:TYR:CB	L:2:NAG:O3	0.457

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:517:GLU:OE2	M:10:MAN:C1	0.455
9	A:408:LYS:H	D:2:NAG:C	0.455
9	B:528:PRO:HA	B:529:PRO:HD3	0.454
9	A:77:ARG:HH21	A:91:PRO:HB2	0.451
9	R:2:NAG:H5	R:3:BMA:O5	0.443
9	A:341:ASN:CB	A:342:PRO:HD3	0.441
9	B:341:ASN:CB	B:342:PRO:HD3	0.441
9	B:33:SER:HB3	B:83:ILE:HD12	0.440
9	A:33:SER:HB3	A:83:ILE:HD12	0.439
9	A:485:SER:HA	A:486:PRO:C	0.435
9	B:485:SER:HA	B:486:PRO:C	0.435
9	A:111:GLN:HE21	J:11:MAN:C6	0.435
9	A:165:ASN:HA	C:1:NAG:H61	0.434
9	B:165:ASN:HA	O:1:NAG:H61	0.434
9	A:386:LYS:HD2	A:397:ILE:HD11	0.433
9	B:386:LYS:HD2	B:397:ILE:HD11	0.431
9	A:527:ASN:HA	A:528:PRO:C	0.427
9	B:527:ASN:HA	B:528:PRO:C	0.427
9	A:408:LYS:CB	D:2:NAG:C	0.422
9	A:378:LEU:HD12	A:417:LEU:HG	0.421
9	B:109:LEU:HD21	K:3:BMA:H3	0.421
9	B:378:LEU:HD12	B:417:LEU:HG	0.421
9	A:109:LEU:HD21	J:3:BMA:H3	0.420

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:471:ILE:CD1	D:10:MAN:H4	0.416
9	A:405:PRO:O	D:2:NAG:CT	0.414
9	B:231:GLU:HA	B:328:THR:O	0.413
9	A:231:GLU:HA	A:328:THR:O	0.412
9	B:423:ILE:O	B:425:PRO:HD3	0.412
9	A:423:ILE:O	A:425:PRO:HD3	0.411
9	B:517:GLU:CD	M:7:MAN:C6	0.411
9	B:450:GLU:C	R:2:NAG:O	0.411
9	A:166:ASN:CG	C:1:NAG:C1	0.408
9	B:166:ASN:CG	O:1:NAG:C1	0.408
9	A:262:ARG:HH12	A:264:SER:HA	0.401
9	B:262:ARG:HH12	B:264:SER:HA	0.401
10	A:408:LYS:HB2	D:2:NAG:C1	1.408
10	B:408:LYS:HB2	N:2:NAG:C1	1.406
10	B:409:ASN:OD1	N:11:MAN:C6	1.356
10	A:409:ASN:OD1	D:11:MAN:C6	1.353
10	B:515:ILE:HD11	M:5:MAN:O6	1.282
10	A:515:ILE:HD11	E:5:MAN:O6	1.278
10	A:409:ASN:OD1	D:11:MAN:O6	1.268
10	B:409:ASN:OD1	N:11:MAN:O6	1.267
10	B:449:GLN:OE1	P:2:NAG:CT	1.160
10	A:449:GLN:OE1	F:2:NAG:CT	1.159
10	A:413:ASN:ND2	D:1:NAG:C1	1.154

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:409:ASN:OD1	N:11:MAN:H62	1.133
10	A:409:ASN:OD1	D:11:MAN:H62	1.126
10	A:515:ILE:HD11	E:5:MAN:C6	1.120
10	B:515:ILE:HD11	M:5:MAN:C6	1.119
10	B:174:VAL:HG11	O:8:MAN:O4	1.114
10	A:174:VAL:HG11	C:8:MAN:O4	1.113
10	B:515:ILE:CD1	M:5:MAN:H62	1.113
10	A:515:ILE:CD1	E:5:MAN:H62	1.111
10	A:452:GLU:O	H:2:NAG:O3	1.109
10	B:452:GLU:O	R:2:NAG:O3	1.106
10	A:114:ASN:CG	J:1:NAG:C1	1.089
10	B:114:ASN:CG	K:1:NAG:C1	1.089
10	A:408:LYS:HE2	D:3:BMA:H2	1.069
10	B:408:LYS:HE2	N:3:BMA:H2	1.069
10	B:452:GLU:N	R:2:NAG:C	1.044
10	A:452:GLU:N	H:2:NAG:C	1.041
10	B:515:ILE:CD1	M:5:MAN:C6	0.998
10	A:515:ILE:CD1	E:5:MAN:C6	0.996
10	A:408:LYS:CE	D:3:BMA:H2	0.979
10	B:408:LYS:CE	N:3:BMA:H2	0.978
10	B:408:LYS:CB	N:2:NAG:C1	0.972
10	A:408:LYS:CB	D:2:NAG:C1	0.970
10	A:236:ARG:CZ	I:11:MAN:O2	0.953

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:236:ARG:CZ	L:11:MAN:O2	0.952
10	B:166:ASN:ND2	O:1:NAG:C1	0.930
10	A:166:ASN:ND2	C:1:NAG:C1	0.929
10	A:405:PRO:O	D:2:NAG:O3	0.926
10	B:405:PRO:O	N:2:NAG:O3	0.926
10	A:114:ASN:ND2	J:1:NAG:C1	0.921
10	B:114:ASN:ND2	K:1:NAG:C1	0.920
10	B:408:LYS:CE	N:3:BMA:C2	0.917
10	A:408:LYS:CE	D:3:BMA:C2	0.915
10	A:449:GLN:HG3	F:2:NAG:CT	0.906
10	B:449:GLN:HG3	P:2:NAG:CT	0.906
10	A:408:LYS:N	D:2:NAG:N	0.889
10	B:408:LYS:N	N:2:NAG:N	0.887
10	A:445:GLN:HA	F:1:NAG:O6	0.883
10	B:445:GLN:HA	P:1:NAG:O6	0.882
10	B:174:VAL:CG1	O:8:MAN:O4	0.868
10	A:174:VAL:CG1	C:8:MAN:O4	0.867
10	A:413:ASN:CG	D:1:NAG:C1	0.851
10	A:30:LYS:HB2	G:1:NAG:H61	0.849
10	B:30:LYS:HB2	Q:1:NAG:H61	0.847
10	A:501:ASP:OD2	A:502:PHE:HD2	0.837
10	A:408:LYS:NZ	D:3:BMA:C2	0.836
10	B:408:LYS:NZ	N:3:BMA:C2	0.836

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:501:ASP:OD2	B:502:PHE:HD2	0.835
10	A:408:LYS:HE2	D:3:BMA:C2	0.823
10	B:408:LYS:HE2	N:3:BMA:C2	0.820
10	B:30:LYS:HB2	Q:1:NAG:C6	0.815
10	A:30:LYS:HB2	G:1:NAG:C6	0.813
10	A:413:ASN:HD22	D:1:NAG:C1	0.812
10	A:405:PRO:O	D:2:NAG:O	0.812
10	B:405:PRO:O	N:2:NAG:O	0.811
10	A:515:ILE:CG1	E:5:MAN:H62	0.801
10	B:515:ILE:CG1	M:5:MAN:H62	0.800
10	B:515:ILE:CG1	M:5:MAN:C6	0.775
10	A:515:ILE:CG1	E:5:MAN:C6	0.774
10	A:499:ASN:H	A:499:ASN:HD22	0.765
10	B:499:ASN:HD21	B:502:PHE:HB2	0.764
10	A:499:ASN:HD21	A:502:PHE:HB2	0.763
10	A:452:GLU:H	H:2:NAG:C	0.763
10	B:452:GLU:H	R:2:NAG:C	0.763
10	A:449:GLN:CD	F:2:NAG:CT	0.762
10	B:499:ASN:H	B:499:ASN:HD22	0.762
10	B:449:GLN:CD	P:2:NAG:CT	0.761
10	A:517:GLU:O	E:2:NAG:O	0.758
10	B:517:GLU:O	M:2:NAG:O	0.758
10	A:501:ASP:OD2	A:502:PHE:CD2	0.756

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:501:ASP:OD2	B:502:PHE:CD2	0.754
10	A:515:ILE:HG13	E:5:MAN:C6	0.746
10	B:515:ILE:HG13	M:5:MAN:C6	0.744
10	A:449:GLN:CG	F:2:NAG:CT	0.741
10	B:449:GLN:CG	P:2:NAG:CT	0.740
10	B:408:LYS:H	N:2:NAG:C2	0.738
10	A:408:LYS:H	D:2:NAG:C2	0.737
10	A:449:GLN:HE22	F:8:MAN:H62	0.735
10	B:449:GLN:HE22	P:8:MAN:H62	0.733
10	A:517:GLU:N	E:2:NAG:O	0.730
10	B:517:GLU:N	M:2:NAG:O	0.729
10	A:515:ILE:CD1	E:5:MAN:O6	0.728
10	B:110:HIS:NE2	K:2:NAG:CT	0.727
10	A:110:HIS:NE2	J:2:NAG:CT	0.725
10	A:460:ASN:CG	H:11:MAN:O3	0.724
10	B:460:ASN:CG	R:11:MAN:O3	0.724
10	B:515:ILE:CD1	M:5:MAN:O6	0.724
10	B:166:ASN:CG	O:1:NAG:C1	0.711
10	A:166:ASN:CG	C:1:NAG:C1	0.710
10	A:515:ILE:HG13	E:5:MAN:H62	0.709
10	A:515:ILE:HD11	E:5:MAN:HO6	0.709
10	B:515:ILE:HG13	M:5:MAN:H62	0.706
10	A:498:LEU:HB2	A:502:PHE:O	0.691

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:498:LEU:HB2	B:502:PHE:O	0.690
10	A:114:ASN:OD1	J:1:NAG:C1	0.690
10	B:114:ASN:OD1	K:1:NAG:C1	0.689
10	A:408:LYS:HZ3	D:3:BMA:C2	0.675
10	B:408:LYS:HZ3	N:3:BMA:C2	0.675
10	B:499:ASN:N	B:499:ASN:ND2	0.675
10	A:499:ASN:N	A:499:ASN:ND2	0.674
10	A:499:ASN:H	A:499:ASN:ND2	0.671
10	B:499:ASN:H	B:499:ASN:ND2	0.669
10	A:77:ARG:NE	Q:5:MAN:O2	0.659
10	B:77:ARG:NE	G:5:MAN:O2	0.659
10	A:405:PRO:C	D:2:NAG:O	0.641
10	B:405:PRO:C	N:2:NAG:O	0.641
10	B:409:ASN:CG	N:11:MAN:H62	0.641
10	A:409:ASN:CG	D:11:MAN:H62	0.640
10	A:110:HIS:CE1	J:2:NAG:CT	0.636
10	A:413:ASN:HB2	D:1:NAG:C1	0.635
10	B:110:HIS:CE1	K:2:NAG:CT	0.635
10	B:405:PRO:C	N:2:NAG:C	0.625
10	A:236:ARG:NE	I:11:MAN:O2	0.625
10	B:236:ARG:NE	L:11:MAN:O2	0.625
10	A:405:PRO:C	D:2:NAG:C	0.623
10	B:28:ARG:CG	B:28:ARG:HH11	0.614

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:28:ARG:CG	A:28:ARG:HH11	0.612
10	A:408:LYS:NZ	D:3:BMA:H2	0.612
10	A:341:ASN:HB3	A:342:PRO:HD3	0.610
10	B:341:ASN:HB3	B:342:PRO:HD3	0.610
10	B:408:LYS:NZ	N:3:BMA:H2	0.609
10	A:515:ILE:HD12	E:5:MAN:H62	0.596
10	B:515:ILE:HD12	M:5:MAN:H62	0.594
10	A:409:ASN:HD22	A:410:ASN:H	0.592
10	A:447:LEU:HB3	A:448:PRO:HD3	0.591
10	B:409:ASN:HD22	B:410:ASN:H	0.591
10	A:459:PRO:HD2	H:10:MAN:O6	0.590
10	B:459:PRO:HD2	R:10:MAN:O6	0.590
10	A:460:ASN:ND2	H:11:MAN:O3	0.586
10	B:460:ASN:ND2	R:11:MAN:O3	0.586
10	A:413:ASN:CB	D:1:NAG:C1	0.582
10	B:31:ASN:HB3	Q:1:NAG:C1	0.581
10	A:31:ASN:HB3	G:1:NAG:C1	0.580
10	A:408:LYS:HB2	D:2:NAG:C2	0.573
10	B:408:LYS:HB2	N:2:NAG:C2	0.567
10	A:391:ASN:HB3	A:393:GLN:HG3	0.560
10	B:391:ASN:HB3	B:393:GLN:HG3	0.560
10	A:461:SER:O	H:11:MAN:C6	0.560
10	A:454:CYS:SG	H:5:MAN:H61	0.554

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:445:GLN:CG	F:1:NAG:H61	0.553
10	B:28:ARG:HG2	B:28:ARG:HH11	0.552
10	B:454:CYS:SG	R:5:MAN:H61	0.552
10	A:28:ARG:HG2	A:28:ARG:HH11	0.551
10	B:488:THR:HG22	B:491:ARG:NH2	0.548
10	A:488:THR:HG22	A:491:ARG:NH2	0.547
10	B:445:GLN:CG	P:1:NAG:H61	0.547
10	A:445:GLN:CA	F:1:NAG:O6	0.547
10	A:109:LEU:H	A:109:LEU:HD12	0.545
10	B:109:LEU:H	B:109:LEU:HD12	0.545
10	B:445:GLN:CA	P:1:NAG:O6	0.544
10	A:31:ASN:CB	G:1:NAG:C1	0.541
10	B:105:ARG:HG2	B:203:LEU:HB3	0.540
10	A:408:LYS:HZ3	D:3:BMA:H2	0.539
10	B:408:LYS:HZ3	N:3:BMA:H2	0.537
10	A:359:THR:HG22	A:393:GLN:HG2	0.536
10	B:359:THR:HG22	B:393:GLN:HG2	0.536
10	B:77:ARG:HE	G:6:MAN:H3	0.536
10	A:452:GLU:N	H:2:NAG:CT	0.536
10	B:31:ASN:CB	Q:1:NAG:C1	0.535
10	A:77:ARG:HE	Q:6:MAN:H3	0.534
10	B:452:GLU:N	R:2:NAG:CT	0.532
10	A:174:VAL:HG11	C:8:MAN:C4	0.510

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:174:VAL:CB	C:8:MAN:O4	0.508
10	B:174:VAL:CB	O:8:MAN:O4	0.508
10	B:174:VAL:HG11	O:8:MAN:C4	0.507
10	B:515:ILE:HD11	M:5:MAN:HO6	0.505
10	A:408:LYS:H	D:2:NAG:C1	0.504
10	B:408:LYS:H	N:2:NAG:C1	0.504
10	A:499:ASN:N	A:499:ASN:HD22	0.499
10	A:461:SER:O	H:11:MAN:H61	0.498
10	B:499:ASN:N	B:499:ASN:HD22	0.497
10	A:165:ASN:ND2	C:1:NAG:H61	0.496
10	B:165:ASN:ND2	O:1:NAG:H61	0.496
10	A:405:PRO:C	D:2:NAG:O3	0.489
10	B:405:PRO:C	N:2:NAG:O3	0.487
10	B:28:ARG:CG	B:28:ARG:NH1	0.479
10	B:423:ILE:HB	B:424:PRO:HD3	0.479
10	A:28:ARG:CG	A:28:ARG:NH1	0.478
10	A:423:ILE:HB	A:424:PRO:HD3	0.477
10	B:236:ARG:CZ	L:11:MAN:C2	0.469
10	A:236:ARG:CZ	I:11:MAN:C2	0.468
10	A:517:GLU:O	E:2:NAG:CT	0.463
10	B:517:GLU:O	M:2:NAG:CT	0.462
10	B:110:HIS:CE1	K:2:NAG:N	0.459
10	A:445:GLN:CB	F:1:NAG:H61	0.459

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:445:GLN:CB	P:1:NAG:H61	0.459
10	A:110:HIS:CE1	J:2:NAG:N	0.458
10	A:517:GLU:C	E:2:NAG:O	0.457
10	A:528:PRO:HA	A:529:PRO:HD3	0.457
10	B:517:GLU:C	M:2:NAG:O	0.457
10	B:528:PRO:HA	B:529:PRO:HD3	0.454
10	A:77:ARG:HH21	A:91:PRO:HB2	0.451
10	B:515:ILE:HG13	M:5:MAN:H61	0.451
10	A:515:ILE:HG13	E:5:MAN:H61	0.447
10	B:408:LYS:NZ	N:3:BMA:O2	0.446
10	A:517:GLU:O	E:2:NAG:C	0.446
10	B:517:GLU:O	M:2:NAG:C	0.445
10	A:408:LYS:NZ	D:3:BMA:O2	0.444
10	A:30:LYS:HB2	G:1:NAG:O6	0.441
10	A:341:ASN:CB	A:342:PRO:HD3	0.441
10	B:30:LYS:HB2	Q:1:NAG:O6	0.441
10	B:341:ASN:CB	B:342:PRO:HD3	0.441
10	B:33:SER:HB3	B:83:ILE:HD12	0.440
10	A:33:SER:HB3	A:83:ILE:HD12	0.439
10	A:515:ILE:O	E:2:NAG:H4	0.438
10	B:515:ILE:O	M:2:NAG:H4	0.437
10	A:449:GLN:NE2	F:8:MAN:H62	0.436
10	A:485:SER:HA	A:486:PRO:C	0.435

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:485:SER:HA	B:486:PRO:C	0.435
10	A:386:LYS:HD2	A:397:ILE:HD11	0.433
10	A:30:LYS:CB	G:1:NAG:H61	0.433
10	B:449:GLN:NE2	P:8:MAN:H62	0.432
10	B:30:LYS:CB	Q:1:NAG:H61	0.432
10	A:405:PRO:O	D:2:NAG:C	0.432
10	B:386:LYS:HD2	B:397:ILE:HD11	0.431
10	B:405:PRO:O	N:2:NAG:C	0.431
10	A:527:ASN:HA	A:528:PRO:C	0.427
10	B:527:ASN:HA	B:528:PRO:C	0.427
10	A:459:PRO:CD	H:10:MAN:O6	0.423
10	B:459:PRO:CD	R:10:MAN:O6	0.423
10	A:378:LEU:HD12	A:417:LEU:HG	0.421
10	B:378:LEU:HD12	B:417:LEU:HG	0.421
10	A:408:LYS:N	D:2:NAG:C2	0.417
10	B:408:LYS:N	N:2:NAG:C2	0.414
10	B:231:GLU:HA	B:328:THR:O	0.413
10	A:236:ARG:NH2	I:11:MAN:C1	0.413
10	B:236:ARG:NH2	L:11:MAN:C1	0.413
10	A:231:GLU:HA	A:328:THR:O	0.412
10	B:423:ILE:O	B:425:PRO:HD3	0.412
10	A:408:LYS:CA	D:2:NAG:C3	0.411
10	A:423:ILE:O	A:425:PRO:HD3	0.411

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:453:THR:CG2	H:2:NAG:H3	0.410
10	B:453:THR:CG2	R:2:NAG:H3	0.409
10	A:236:ARG:NH1	I:11:MAN:C1	0.409
10	B:236:ARG:NH1	L:11:MAN:C1	0.408
10	B:408:LYS:CA	N:2:NAG:C3	0.406
10	B:445:GLN:HB3	P:1:NAG:H61	0.402
10	B:406:ASN:O	N:1:NAG:H62	0.402
10	A:262:ARG:HH12	A:264:SER:HA	0.401
10	A:445:GLN:HB3	F:1:NAG:H61	0.401
10	B:262:ARG:HH12	B:264:SER:HA	0.401
11	B:240:ILE:HG21	L:1:NAG:C2	1.335
11	A:240:ILE:HG21	I:1:NAG:C2	1.334
11	A:114:ASN:OD1	J:1:NAG:C1	1.293
11	B:114:ASN:OD1	K:1:NAG:C1	1.292
11	A:399:VAL:HG21	F:4:MAN:O4	1.224
11	B:399:VAL:HG21	P:4:MAN:O4	1.223
11	B:515:ILE:CD1	M:11:MAN:H62	1.137
11	A:515:ILE:CD1	E:11:MAN:H62	1.136
11	A:515:ILE:HD12	E:11:MAN:H62	1.133
11	B:515:ILE:HD12	M:11:MAN:H62	1.133
11	B:515:ILE:CD1	M:11:MAN:O4	1.085
11	A:515:ILE:CD1	E:11:MAN:O4	1.084
11	B:114:ASN:CG	K:1:NAG:C1	1.083

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:114:ASN:CG	J:1:NAG:C1	1.081
11	A:456:THR:HG21	H:11:MAN:H4	1.060
11	B:456:THR:HG21	R:11:MAN:H4	1.056
11	B:433:GLN:CD	N:1:NAG:H3	1.053
11	A:433:GLN:CD	D:1:NAG:H3	1.049
11	A:515:ILE:HD11	E:11:MAN:O4	1.047
11	B:515:ILE:HD11	M:11:MAN:O4	1.046
11	B:463:ASN:O	R:1:NAG:O6	1.035
11	A:463:ASN:O	H:1:NAG:O6	1.034
11	A:456:THR:HG21	H:11:MAN:C4	1.023
11	A:456:THR:CG2	H:11:MAN:H4	1.023
11	B:456:THR:CG2	R:11:MAN:H4	1.022
11	B:456:THR:HG21	R:11:MAN:C4	1.021
11	A:240:ILE:HG21	I:1:NAG:C1	0.978
11	B:240:ILE:HG21	L:1:NAG:C1	0.977
11	B:31:ASN:OD1	Q:1:NAG:O6	0.957
11	A:31:ASN:OD1	G:1:NAG:O6	0.954
11	B:399:VAL:HG21	P:4:MAN:HO4	0.899
11	B:515:ILE:HD12	M:11:MAN:C6	0.899
11	A:515:ILE:HD12	E:11:MAN:C6	0.897
11	A:399:VAL:HG21	F:4:MAN:HO4	0.892
11	B:515:ILE:HD13	M:11:MAN:O4	0.882
11	A:515:ILE:HD13	E:11:MAN:O4	0.879

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:163:THR:HG21	C:8:MAN:H61	0.844
11	A:501:ASP:OD2	A:502:PHE:HD2	0.837
11	B:501:ASP:OD2	B:502:PHE:HD2	0.835
11	B:240:ILE:CG2	L:1:NAG:C2	0.822
11	A:240:ILE:CG2	I:1:NAG:C2	0.818
11	B:433:GLN:NE2	N:1:NAG:H3	0.818
11	A:433:GLN:NE2	D:1:NAG:H3	0.817
11	B:458:GLU:CD	R:11:MAN:O2	0.814
11	A:458:GLU:CD	H:11:MAN:O2	0.812
11	A:31:ASN:CG	G:1:NAG:O6	0.809
11	B:31:ASN:CG	Q:1:NAG:O6	0.808
11	B:243:ASN:ND2	L:1:NAG:H5	0.798
11	A:243:ASN:ND2	I:1:NAG:H5	0.797
11	A:499:ASN:H	A:499:ASN:HD22	0.765
11	B:499:ASN:HD21	B:502:PHE:HB2	0.764
11	A:499:ASN:HD21	A:502:PHE:HB2	0.763
11	B:499:ASN:H	B:499:ASN:HD22	0.762
11	A:501:ASP:OD2	A:502:PHE:CD2	0.756
11	B:501:ASP:OD2	B:502:PHE:CD2	0.754
11	B:31:ASN:CG	Q:1:NAG:HO6	0.749
11	A:31:ASN:CG	G:1:NAG:HO6	0.747
11	B:456:THR:HG1	R:11:MAN:C4	0.739
11	B:445:GLN:NE2	P:1:NAG:O6	0.735

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:515:ILE:CD1	E:11:MAN:C6	0.734
11	A:445:GLN:NE2	F:1:NAG:O6	0.733
11	A:456:THR:HG1	H:11:MAN:C4	0.733
11	A:240:ILE:CG2	I:1:NAG:C1	0.730
11	B:240:ILE:CG2	L:1:NAG:C1	0.730
11	B:515:ILE:CD1	M:11:MAN:C6	0.707
11	B:114:ASN:ND2	K:1:NAG:C1	0.694
11	A:114:ASN:ND2	J:1:NAG:C1	0.693
11	B:433:GLN:OE1	N:1:NAG:H3	0.692
11	A:498:LEU:HB2	A:502:PHE:O	0.691
11	A:399:VAL:CG2	F:4:MAN:O4	0.691
11	B:498:LEU:HB2	B:502:PHE:O	0.690
11	A:433:GLN:OE1	D:1:NAG:H3	0.690
11	B:399:VAL:CG2	P:4:MAN:O4	0.687
11	B:31:ASN:HB3	Q:1:NAG:O5	0.679
11	A:31:ASN:HB3	G:1:NAG:O5	0.677
11	B:499:ASN:N	B:499:ASN:ND2	0.675
11	A:499:ASN:N	A:499:ASN:ND2	0.674
11	A:499:ASN:H	A:499:ASN:ND2	0.671
11	A:163:THR:HG22	C:8:MAN:O6	0.669
11	B:499:ASN:H	B:499:ASN:ND2	0.669
11	A:236:ARG:HH22	I:11:MAN:C5	0.658
11	B:236:ARG:HH22	L:11:MAN:C5	0.658

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:124:GLY:O	C:10:MAN:O4	0.655
11	A:236:ARG:NH2	I:11:MAN:C4	0.654
11	B:236:ARG:NH2	L:11:MAN:C4	0.653
11	B:124:GLY:O	O:10:MAN:O4	0.653
11	A:31:ASN:HB3	G:1:NAG:C1	0.650
11	A:458:GLU:CD	H:11:MAN:HO2	0.649
11	B:31:ASN:HB3	Q:1:NAG:C1	0.649
11	B:458:GLU:CD	R:11:MAN:HO2	0.649
11	A:163:THR:HG21	C:8:MAN:C6	0.646
11	A:163:THR:CG2	C:8:MAN:C6	0.643
11	B:456:THR:CB	R:11:MAN:H4	0.641
11	A:456:THR:CB	H:11:MAN:H4	0.640
11	A:236:ARG:HH22	I:11:MAN:C4	0.628
11	B:236:ARG:HH22	L:11:MAN:C4	0.628
11	B:112:VAL:HG12	K:1:NAG:O5	0.625
11	A:112:VAL:HG12	J:1:NAG:O5	0.624
11	A:112:VAL:HG12	J:1:NAG:C1	0.623
11	B:112:VAL:HG12	K:1:NAG:C1	0.622
11	B:28:ARG:CG	B:28:ARG:HH11	0.614
11	A:163:THR:CG2	C:8:MAN:H61	0.614
11	A:236:ARG:NH2	I:11:MAN:H4	0.614
11	B:236:ARG:NH2	L:11:MAN:H4	0.613
11	A:28:ARG:CG	A:28:ARG:HH11	0.612

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:341:ASN:HB3	A:342:PRO:HD3	0.610
11	B:341:ASN:HB3	B:342:PRO:HD3	0.610
11	B:532:ASN:CG	P:1:NAG:C1	0.604
11	A:532:ASN:CG	F:1:NAG:C1	0.602
11	A:409:ASN:HD22	A:410:ASN:H	0.592
11	A:447:LEU:HB3	A:448:PRO:HD3	0.591
11	B:409:ASN:HD22	B:410:ASN:H	0.591
11	A:458:GLU:CG	H:11:MAN:O2	0.586
11	B:458:GLU:CG	R:11:MAN:O2	0.585
11	A:31:ASN:CB	G:1:NAG:O5	0.577
11	B:31:ASN:CB	Q:1:NAG:O5	0.577
11	A:391:ASN:HB3	A:393:GLN:HG3	0.560
11	B:391:ASN:HB3	B:393:GLN:HG3	0.560
11	B:28:ARG:HG2	B:28:ARG:HH11	0.552
11	A:28:ARG:HG2	A:28:ARG:HH11	0.551
11	A:236:ARG:NH2	I:11:MAN:O5	0.550
11	B:488:THR:HG22	B:491:ARG:NH2	0.548
11	A:488:THR:HG22	A:491:ARG:NH2	0.547
11	A:109:LEU:H	A:109:LEU:HD12	0.545
11	B:109:LEU:H	B:109:LEU:HD12	0.545
11	A:166:ASN:ND2	C:1:NAG:C1	0.545
11	A:445:GLN:NE2	F:1:NAG:C6	0.545
11	B:445:GLN:NE2	P:1:NAG:C6	0.545

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:166:ASN:ND2	O:1:NAG:C1	0.544
11	A:445:GLN:HE22	F:1:NAG:C6	0.541
11	B:105:ARG:HG2	B:203:LEU:HB3	0.540
11	A:515:ILE:HD13	E:11:MAN:H62	0.539
11	B:445:GLN:HE22	P:1:NAG:C6	0.539
11	A:359:THR:HG22	A:393:GLN:HG2	0.536
11	B:359:THR:HG22	B:393:GLN:HG2	0.536
11	B:515:ILE:HD13	M:11:MAN:H62	0.534
11	B:456:THR:OG1	R:11:MAN:O4	0.534
11	B:445:GLN:NE2	P:1:NAG:O5	0.530
11	A:445:GLN:NE2	F:1:NAG:O5	0.529
11	A:112:VAL:O	J:1:NAG:H61	0.524
11	B:112:VAL:O	K:1:NAG:H61	0.522
11	A:124:GLY:C	C:10:MAN:HO4	0.516
11	B:124:GLY:C	O:10:MAN:HO4	0.515
11	B:240:ILE:CB	L:1:NAG:CT	0.509
11	A:240:ILE:CB	I:1:NAG:CT	0.503
11	A:499:ASN:N	A:499:ASN:HD22	0.499
11	B:499:ASN:N	B:499:ASN:HD22	0.497
11	B:236:ARG:NH2	L:11:MAN:O5	0.492
11	A:456:THR:CG2	H:11:MAN:C4	0.491
11	B:456:THR:CG2	R:11:MAN:C4	0.491
11	A:456:THR:OG1	H:11:MAN:O4	0.488

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:240:ILE:HB	L:1:NAG:CT	0.481
11	B:433:GLN:OE1	N:1:NAG:C3	0.481
11	A:433:GLN:OE1	D:1:NAG:C3	0.480
11	B:28:ARG:CG	B:28:ARG:NH1	0.479
11	B:423:ILE:HB	B:424:PRO:HD3	0.479
11	A:28:ARG:CG	A:28:ARG:NH1	0.478
11	A:240:ILE:HB	I:1:NAG:CT	0.478
11	A:423:ILE:HB	A:424:PRO:HD3	0.477
11	A:112:VAL:O	J:1:NAG:C6	0.476
11	B:112:VAL:O	K:1:NAG:C6	0.476
11	A:458:GLU:HB2	H:11:MAN:HO2	0.469
11	B:236:ARG:CZ	L:11:MAN:H4	0.467
11	B:458:GLU:HB2	R:11:MAN:HO2	0.467
11	A:236:ARG:CZ	I:11:MAN:H4	0.466
11	A:528:PRO:HA	A:529:PRO:HD3	0.457
11	A:458:GLU:HB2	H:11:MAN:O2	0.455
11	B:458:GLU:HB2	R:11:MAN:O2	0.455
11	B:528:PRO:HA	B:529:PRO:HD3	0.454
11	A:77:ARG:HH21	A:91:PRO:HB2	0.451
11	A:458:GLU:OE1	H:11:MAN:O5	0.444
11	B:458:GLU:OE1	R:11:MAN:O5	0.444
11	A:341:ASN:CB	A:342:PRO:HD3	0.441
11	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:33:SER:HB3	B:83:ILE:HD12	0.440
11	A:33:SER:HB3	A:83:ILE:HD12	0.439
11	A:485:SER:HA	A:486:PRO:C	0.435
11	B:485:SER:HA	B:486:PRO:C	0.435
11	A:458:GLU:OE1	H:11:MAN:C1	0.434
11	A:386:LYS:HD2	A:397:ILE:HD11	0.433
11	B:458:GLU:OE1	R:11:MAN:C1	0.433
11	A:532:ASN:ND2	F:1:NAG:O6	0.432
11	B:532:ASN:ND2	P:1:NAG:O6	0.432
11	A:515:ILE:CD1	E:11:MAN:C5	0.431
11	B:386:LYS:HD2	B:397:ILE:HD11	0.431
11	B:515:ILE:CD1	M:11:MAN:C5	0.431
11	A:527:ASN:HA	A:528:PRO:C	0.427
11	B:527:ASN:HA	B:528:PRO:C	0.427
11	A:456:THR:CB	H:11:MAN:C4	0.422
11	A:378:LEU:HD12	A:417:LEU:HG	0.421
11	B:378:LEU:HD12	B:417:LEU:HG	0.421
11	B:456:THR:CB	R:11:MAN:C4	0.420
11	A:31:ASN:CB	G:1:NAG:C1	0.417
11	B:31:ASN:CB	Q:1:NAG:C1	0.417
11	A:240:ILE:CG2	I:1:NAG:O5	0.415
11	B:240:ILE:CG2	L:1:NAG:O5	0.415
11	B:231:GLU:HA	B:328:THR:O	0.413

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:231:GLU:HA	A:328:THR:O	0.412
11	B:423:ILE:O	B:425:PRO:HD3	0.412
11	A:423:ILE:O	A:425:PRO:HD3	0.411
11	B:243:ASN:ND2	L:1:NAG:C5	0.408
11	A:458:GLU:CD	H:11:MAN:C1	0.406
11	B:458:GLU:CD	R:11:MAN:C1	0.406
11	B:456:THR:HG21	R:11:MAN:C3	0.404
11	A:262:ARG:HH12	A:264:SER:HA	0.401
11	A:456:THR:HG21	H:11:MAN:C3	0.401
11	B:262:ARG:HH12	B:264:SER:HA	0.401
12	A:541:CYS:SG	H:11:MAN:H4	1.424
12	B:541:CYS:SG	R:11:MAN:H4	1.422
12	A:541:CYS:SG	H:11:MAN:C4	1.364
12	B:541:CYS:SG	R:11:MAN:C4	1.364
12	A:448:PRO:HB3	H:2:NAG:C	1.195
12	A:31:ASN:OD1	G:1:NAG:O5	1.093
12	B:31:ASN:OD1	Q:1:NAG:O5	1.091
12	A:166:ASN:ND2	C:1:NAG:C1	1.031
12	B:166:ASN:ND2	O:1:NAG:C1	1.030
12	A:541:CYS:SG	H:11:MAN:C6	0.985
12	B:541:CYS:SG	R:11:MAN:C6	0.985
12	A:448:PRO:CB	H:2:NAG:C	0.979
12	A:448:PRO:CB	H:2:NAG:CT	0.957

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:541:CYS:HG	H:11:MAN:C4	0.949
12	A:448:PRO:HB3	H:2:NAG:O	0.947
12	B:541:CYS:HG	R:11:MAN:C4	0.944
12	A:448:PRO:HB2	H:2:NAG:CT	0.920
12	A:413:ASN:ND2	D:1:NAG:N	0.915
12	A:541:CYS:SG	H:11:MAN:H61	0.905
12	B:541:CYS:SG	R:11:MAN:H61	0.905
12	B:488:THR:HB	M:1:NAG:O6	0.878
12	A:488:THR:HB	E:1:NAG:O6	0.877
12	A:448:PRO:HA	H:2:NAG:O	0.860
12	A:501:ASP:OD2	A:502:PHE:HD2	0.837
12	B:501:ASP:OD2	B:502:PHE:HD2	0.835
12	A:165:ASN:ND2	C:1:NAG:O6	0.821
12	B:165:ASN:ND2	O:1:NAG:O6	0.821
12	A:448:PRO:CA	H:2:NAG:O	0.808
12	A:448:PRO:CB	H:2:NAG:O	0.771
12	A:499:ASN:H	A:499:ASN:HD22	0.765
12	B:499:ASN:HD21	B:502:PHE:HB2	0.764
12	A:499:ASN:HD21	A:502:PHE:HB2	0.763
12	B:499:ASN:H	B:499:ASN:HD22	0.762
12	A:532:ASN:ND2	F:1:NAG:H5	0.759
12	B:532:ASN:ND2	P:1:NAG:H5	0.759
12	B:541:CYS:SG	R:11:MAN:O4	0.758

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:501:ASP:OD2	A:502:PHE:CD2	0.756
12	B:165:ASN:HA	O:1:NAG:H61	0.756
12	A:165:ASN:HA	C:1:NAG:H61	0.754
12	B:501:ASP:OD2	B:502:PHE:CD2	0.754
12	A:541:CYS:SG	H:11:MAN:O4	0.745
12	A:413:ASN:OD1	D:1:NAG:H3	0.739
12	B:532:ASN:HD21	P:1:NAG:H5	0.735
12	A:532:ASN:HD21	F:1:NAG:H5	0.734
12	B:541:CYS:CB	R:11:MAN:H4	0.724
12	A:541:CYS:CB	H:11:MAN:H4	0.723
12	A:541:CYS:SG	H:11:MAN:H62	0.693
12	B:541:CYS:SG	R:11:MAN:H62	0.693
12	A:498:LEU:HB2	A:502:PHE:O	0.691
12	B:498:LEU:HB2	B:502:PHE:O	0.690
12	A:532:ASN:ND2	F:1:NAG:C1	0.688
12	B:532:ASN:ND2	P:1:NAG:C1	0.688
12	B:499:ASN:N	B:499:ASN:ND2	0.675
12	A:499:ASN:N	A:499:ASN:ND2	0.674
12	A:499:ASN:H	A:499:ASN:ND2	0.671
12	B:499:ASN:H	B:499:ASN:ND2	0.669
12	A:541:CYS:SG	H:11:MAN:C5	0.662
12	B:541:CYS:SG	R:11:MAN:C5	0.662
12	A:166:ASN:CG	C:1:NAG:C1	0.654

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:166:ASN:CG	O:1:NAG:C1	0.653
12	B:28:ARG:CG	B:28:ARG:HH11	0.614
12	A:28:ARG:CG	A:28:ARG:HH11	0.612
12	A:341:ASN:HB3	A:342:PRO:HD3	0.610
12	B:341:ASN:HB3	B:342:PRO:HD3	0.610
12	B:31:ASN:CG	Q:1:NAG:O5	0.598
12	A:31:ASN:CG	G:1:NAG:O5	0.597
12	A:541:CYS:HG	H:11:MAN:HO4	0.594
12	A:409:ASN:HD22	A:410:ASN:H	0.592
12	A:447:LEU:HB3	A:448:PRO:HD3	0.591
12	B:409:ASN:HD22	B:410:ASN:H	0.591
12	B:541:CYS:HG	R:11:MAN:HO4	0.582
12	A:413:ASN:OD1	D:1:NAG:C3	0.580
12	A:532:ASN:ND2	F:1:NAG:C5	0.569
12	B:532:ASN:ND2	P:1:NAG:C5	0.569
12	A:391:ASN:HB3	A:393:GLN:HG3	0.560
12	B:391:ASN:HB3	B:393:GLN:HG3	0.560
12	B:28:ARG:HG2	B:28:ARG:HH11	0.552
12	A:28:ARG:HG2	A:28:ARG:HH11	0.551
12	B:488:THR:HG22	B:491:ARG:NH2	0.548
12	A:488:THR:HG22	A:491:ARG:NH2	0.547
12	A:109:LEU:H	A:109:LEU:HD12	0.545
12	A:448:PRO:C	H:2:NAG:CT	0.545

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:109:LEU:H	B:109:LEU:HD12	0.545
12	B:105:ARG:HG2	B:203:LEU:HB3	0.540
12	A:359:THR:HG22	A:393:GLN:HG2	0.536
12	B:359:THR:HG22	B:393:GLN:HG2	0.536
12	A:499:ASN:N	A:499:ASN:HD22	0.499
12	B:499:ASN:N	B:499:ASN:HD22	0.497
12	A:463:ASN:O	H:1:NAG:O6	0.495
12	B:28:ARG:CG	B:28:ARG:NH1	0.479
12	B:423:ILE:HB	B:424:PRO:HD3	0.479
12	A:28:ARG:CG	A:28:ARG:NH1	0.478
12	A:31:ASN:CG	G:1:NAG:C1	0.478
12	A:423:ILE:HB	A:424:PRO:HD3	0.477
12	B:31:ASN:CG	Q:1:NAG:C1	0.477
12	A:448:PRO:CA	H:2:NAG:C	0.466
12	A:166:ASN:HD22	C:1:NAG:C1	0.465
12	B:166:ASN:HD22	O:1:NAG:C1	0.463
12	A:528:PRO:HA	A:529:PRO:HD3	0.457
12	B:528:PRO:HA	B:529:PRO:HD3	0.454
12	A:77:ARG:HH21	A:91:PRO:HB2	0.451
12	A:413:ASN:OD1	D:1:NAG:N	0.449
12	B:31:ASN:CB	Q:1:NAG:C1	0.448
12	A:448:PRO:O	H:2:NAG:CT	0.448
12	A:31:ASN:CB	G:1:NAG:C1	0.447

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:445:GLN:NE2	P:1:NAG:C2	0.444
12	B:433:GLN:NE2	N:1:NAG:H3	0.442
12	A:341:ASN:CB	A:342:PRO:HD3	0.441
12	B:341:ASN:CB	B:342:PRO:HD3	0.441
12	A:433:GLN:NE2	D:1:NAG:H3	0.441
12	B:33:SER:HB3	B:83:ILE:HD12	0.440
12	A:541:CYS:HB2	H:11:MAN:H4	0.440
12	A:33:SER:HB3	A:83:ILE:HD12	0.439
12	G:2:NAG:H5	G:3:BMA:O5	0.439
12	Q:2:NAG:H5	Q:3:BMA:O5	0.438
12	B:541:CYS:HB2	R:11:MAN:H4	0.437
12	A:445:GLN:NE2	F:1:NAG:C2	0.436
12	A:485:SER:HA	A:486:PRO:C	0.435
12	B:485:SER:HA	B:486:PRO:C	0.435
12	A:448:PRO:CA	H:2:NAG:CT	0.435
12	A:386:LYS:HD2	A:397:ILE:HD11	0.433
12	B:386:LYS:HD2	B:397:ILE:HD11	0.431
12	A:527:ASN:HA	A:528:PRO:C	0.427
12	B:527:ASN:HA	B:528:PRO:C	0.427
12	A:378:LEU:HD12	A:417:LEU:HG	0.421
12	B:378:LEU:HD12	B:417:LEU:HG	0.421
12	B:231:GLU:HA	B:328:THR:O	0.413
12	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:423:ILE:O	B:425:PRO:HD3	0.412
12	B:31:ASN:OD1	Q:1:NAG:C5	0.412
12	A:423:ILE:O	A:425:PRO:HD3	0.411
12	A:31:ASN:OD1	G:1:NAG:C5	0.410
12	A:532:ASN:CG	F:1:NAG:C1	0.403
12	B:532:ASN:CG	P:1:NAG:C1	0.402
12	A:262:ARG:HH12	A:264:SER:HA	0.401
12	B:262:ARG:HH12	B:264:SER:HA	0.401
13	A:408:LYS:HZ1	D:7:MAN:C1	1.486
13	B:408:LYS:HZ1	N:7:MAN:C1	1.455
13	B:408:LYS:NZ	N:7:MAN:C1	1.444
13	A:408:LYS:NZ	D:7:MAN:C1	1.431
13	A:381:PRO:HG2	D:1:NAG:C6	1.386
13	B:381:PRO:HG2	N:1:NAG:C6	1.383
13	A:488:THR:OG1	E:1:NAG:O6	1.243
13	B:488:THR:OG1	M:1:NAG:O6	1.241
13	A:532:ASN:ND2	F:1:NAG:O5	1.214
13	B:532:ASN:ND2	P:1:NAG:O5	1.212
13	A:532:ASN:HD21	F:1:NAG:C5	1.174
13	B:532:ASN:HD21	P:1:NAG:C5	1.174
13	B:517:GLU:OE2	M:3:BMA:H62	1.166
13	A:537:ARG:NH2	E:10:MAN:O6	1.163
13	A:517:GLU:OE2	E:3:BMA:H62	1.162

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:537:ARG:NH2	M:10:MAN:O6	1.161
13	A:381:PRO:HG2	D:1:NAG:O6	1.144
13	B:381:PRO:HG2	N:1:NAG:O6	1.144
13	A:381:PRO:CG	D:1:NAG:C6	1.117
13	B:381:PRO:CG	N:1:NAG:C6	1.116
13	A:408:LYS:NZ	D:7:MAN:C2	1.110
13	B:408:LYS:NZ	N:7:MAN:C2	1.109
13	A:456:THR:HG23	H:11:MAN:H4	1.092
13	B:456:THR:HG23	R:11:MAN:H4	1.091
13	B:381:PRO:CG	N:1:NAG:H61	1.086
13	A:381:PRO:CG	D:1:NAG:H61	1.084
13	A:456:THR:CG2	H:11:MAN:O5	1.079
13	B:456:THR:CG2	R:11:MAN:O5	1.075
13	B:166:ASN:ND2	O:1:NAG:C1	1.065
13	A:166:ASN:ND2	C:1:NAG:C1	1.063
13	A:456:THR:HG21	H:11:MAN:O5	1.051
13	B:456:THR:HG21	R:11:MAN:O5	1.051
13	A:408:LYS:NZ	D:7:MAN:O2	1.047
13	B:408:LYS:NZ	N:7:MAN:O2	1.047
13	B:381:PRO:HG2	N:1:NAG:H61	1.039
13	A:381:PRO:HG2	D:1:NAG:H61	1.037
13	B:456:THR:CG2	R:11:MAN:H4	1.029
13	A:456:THR:CG2	H:11:MAN:H4	1.028

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:532:ASN:CG	F:1:NAG:C1	0.975
13	B:532:ASN:CG	P:1:NAG:C1	0.973
13	A:532:ASN:ND2	F:1:NAG:C5	0.942
13	B:532:ASN:ND2	P:1:NAG:C5	0.940
13	A:408:LYS:HZ2	D:7:MAN:C1	0.924
13	B:408:LYS:HZ2	N:7:MAN:C1	0.920
13	A:537:ARG:NH2	E:10:MAN:C6	0.909
13	B:537:ARG:HH21	M:10:MAN:HO6	0.909
13	B:537:ARG:NH2	M:10:MAN:C6	0.907
13	B:456:THR:HG23	R:11:MAN:C4	0.900
13	A:456:THR:HG23	H:11:MAN:C4	0.896
13	B:405:PRO:HG3	N:11:MAN:C1	0.895
13	A:405:PRO:HG3	D:11:MAN:C1	0.894
13	B:408:LYS:NZ	N:7:MAN:O5	0.893
13	A:408:LYS:NZ	D:7:MAN:O5	0.891
13	A:456:THR:HG21	H:11:MAN:C1	0.880
13	B:456:THR:HG21	R:11:MAN:C1	0.879
13	B:537:ARG:CZ	M:10:MAN:H62	0.863
13	A:537:ARG:CZ	E:10:MAN:H62	0.862
13	A:501:ASP:OD2	A:502:PHE:HD2	0.837
13	B:501:ASP:OD2	B:502:PHE:HD2	0.835
13	A:450:GLU:O	H:2:NAG:CT	0.821
13	B:450:GLU:O	R:2:NAG:CT	0.819

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:408:LYS:HZ1	D:7:MAN:C2	0.813
13	B:408:LYS:HZ1	N:7:MAN:C2	0.803
13	A:532:ASN:ND2	F:1:NAG:C1	0.789
13	B:532:ASN:ND2	P:1:NAG:C1	0.788
13	A:488:THR:OG1	E:1:NAG:C6	0.787
13	B:488:THR:OG1	M:1:NAG:C6	0.786
13	A:537:ARG:CZ	E:10:MAN:C6	0.782
13	B:537:ARG:CZ	M:10:MAN:C6	0.781
13	B:532:ASN:HD21	P:1:NAG:C6	0.779
13	A:532:ASN:HD21	F:1:NAG:C6	0.777
13	B:31:ASN:ND2	Q:1:NAG:O6	0.768
13	A:31:ASN:ND2	G:1:NAG:O6	0.767
13	A:499:ASN:H	A:499:ASN:HD22	0.765
13	B:499:ASN:HD21	B:502:PHE:HB2	0.764
13	A:499:ASN:HD21	A:502:PHE:HB2	0.763
13	B:499:ASN:H	B:499:ASN:HD22	0.762
13	B:381:PRO:HG3	N:1:NAG:H61	0.758
13	A:381:PRO:HG3	D:1:NAG:H61	0.756
13	A:501:ASP:OD2	A:502:PHE:CD2	0.756
13	B:501:ASP:OD2	B:502:PHE:CD2	0.754
13	A:532:ASN:HD21	F:1:NAG:H5	0.726
13	A:537:ARG:CZ	E:10:MAN:O6	0.724
13	B:537:ARG:CZ	M:10:MAN:O6	0.724

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:532:ASN:HD21	P:1:NAG:H5	0.723
13	A:456:THR:CG2	H:11:MAN:C4	0.717
13	B:456:THR:CG2	R:11:MAN:C4	0.711
13	A:445:GLN:NE2	F:1:NAG:O5	0.703
13	A:243:ASN:HD22	I:1:NAG:C1	0.702
13	B:445:GLN:NE2	P:1:NAG:O5	0.702
13	B:243:ASN:HD22	L:1:NAG:C1	0.700
13	A:517:GLU:HG3	E:2:NAG:O	0.696
13	A:517:GLU:OE2	E:3:BMA:C6	0.696
13	B:517:GLU:HG3	M:2:NAG:O	0.695
13	B:517:GLU:OE2	M:3:BMA:C6	0.693
13	A:498:LEU:HB2	A:502:PHE:O	0.691
13	B:498:LEU:HB2	B:502:PHE:O	0.690
13	B:166:ASN:HD21	O:1:NAG:C1	0.680
13	A:166:ASN:HD21	C:1:NAG:C1	0.676
13	B:499:ASN:N	B:499:ASN:ND2	0.675
13	A:499:ASN:N	A:499:ASN:ND2	0.674
13	A:499:ASN:H	A:499:ASN:ND2	0.671
13	B:499:ASN:H	B:499:ASN:ND2	0.669
13	A:405:PRO:HG3	D:11:MAN:O5	0.657
13	B:405:PRO:HG3	N:11:MAN:O5	0.655
13	E:11:MAN:O3	F:2:NAG:CT	0.640
13	M:11:MAN:O3	P:2:NAG:CT	0.640

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:517:GLU:CG	E:2:NAG:O3	0.633
13	B:517:GLU:CG	M:2:NAG:O3	0.633
13	B:28:ARG:CG	B:28:ARG:HH11	0.614
13	A:28:ARG:CG	A:28:ARG:HH11	0.612
13	A:341:ASN:HB3	A:342:PRO:HD3	0.610
13	B:341:ASN:HB3	B:342:PRO:HD3	0.610
13	B:408:LYS:HZ2	N:7:MAN:C2	0.597
13	A:409:ASN:HD22	A:410:ASN:H	0.592
13	A:447:LEU:HB3	A:448:PRO:HD3	0.591
13	B:409:ASN:HD22	B:410:ASN:H	0.591
13	B:517:GLU:CD	M:3:BMA:H62	0.583
13	A:517:GLU:CD	E:3:BMA:H62	0.582
13	A:408:LYS:CE	D:7:MAN:O5	0.572
13	B:408:LYS:CE	N:7:MAN:O5	0.570
13	A:391:ASN:HB3	A:393:GLN:HG3	0.560
13	B:391:ASN:HB3	B:393:GLN:HG3	0.560
13	B:28:ARG:HG2	B:28:ARG:HH11	0.552
13	A:28:ARG:HG2	A:28:ARG:HH11	0.551
13	B:488:THR:HG22	B:491:ARG:NH2	0.548
13	A:488:THR:HG22	A:491:ARG:NH2	0.547
13	B:488:THR:CB	M:1:NAG:O6	0.547
13	A:456:THR:HG21	H:11:MAN:C2	0.546
13	B:405:PRO:CG	N:11:MAN:O5	0.546

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:456:THR:HG21	R:11:MAN:C2	0.546
13	A:109:LEU:H	A:109:LEU:HD12	0.545
13	A:405:PRO:CG	D:11:MAN:O5	0.545
13	B:109:LEU:H	B:109:LEU:HD12	0.545
13	B:105:ARG:HG2	B:203:LEU:HB3	0.540
13	A:359:THR:HG22	A:393:GLN:HG2	0.536
13	B:359:THR:HG22	B:393:GLN:HG2	0.536
13	A:381:PRO:CD	D:1:NAG:H62	0.535
13	B:381:PRO:CD	N:1:NAG:H62	0.535
13	A:166:ASN:CG	C:1:NAG:C1	0.530
13	B:166:ASN:CG	O:1:NAG:C1	0.529
13	A:537:ARG:NE	E:10:MAN:O6	0.524
13	B:537:ARG:NE	M:10:MAN:O6	0.524
13	A:381:PRO:CD	D:1:NAG:C6	0.519
13	B:537:ARG:NE	M:10:MAN:C6	0.519
13	A:537:ARG:NE	E:10:MAN:C6	0.518
13	B:381:PRO:CD	N:1:NAG:C6	0.518
13	A:517:GLU:OE1	E:2:NAG:O3	0.514
13	B:517:GLU:OE1	M:2:NAG:O3	0.514
13	A:532:ASN:ND2	F:1:NAG:H5	0.510
13	B:532:ASN:ND2	P:1:NAG:H5	0.507
13	A:488:THR:CB	E:1:NAG:O6	0.506
13	B:532:ASN:ND2	P:1:NAG:O6	0.504

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:532:ASN:ND2	F:1:NAG:O6	0.503
13	A:499:ASN:N	A:499:ASN:HD22	0.499
13	A:537:ARG:NE	E:10:MAN:H62	0.498
13	B:537:ARG:NE	M:10:MAN:H62	0.498
13	B:499:ASN:N	B:499:ASN:HD22	0.497
13	B:31:ASN:CG	Q:1:NAG:O6	0.492
13	A:31:ASN:CG	G:1:NAG:O6	0.491
13	B:517:GLU:CD	M:2:NAG:O3	0.486
13	A:517:GLU:CD	E:2:NAG:O3	0.485
13	B:532:ASN:OD1	P:1:NAG:C1	0.482
13	A:532:ASN:OD1	F:1:NAG:C1	0.480
13	B:28:ARG:CG	B:28:ARG:NH1	0.479
13	B:423:ILE:HB	B:424:PRO:HD3	0.479
13	A:28:ARG:CG	A:28:ARG:NH1	0.478
13	A:31:ASN:HD21	G:1:NAG:HO6	0.478
13	A:423:ILE:HB	A:424:PRO:HD3	0.477
13	A:456:THR:CG2	H:11:MAN:O2	0.470
13	B:456:THR:CG2	R:11:MAN:O2	0.469
13	A:517:GLU:HG3	E:2:NAG:O3	0.466
13	B:517:GLU:HG3	M:2:NAG:O3	0.465
13	A:408:LYS:HZ2	D:7:MAN:C2	0.463
13	A:528:PRO:HA	A:529:PRO:HD3	0.457
13	B:528:PRO:HA	B:529:PRO:HD3	0.454

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:77:ARG:HH21	A:91:PRO:HB2	0.451
13	B:381:PRO:CG	N:1:NAG:H62	0.450
13	A:381:PRO:CG	D:1:NAG:H62	0.445
13	A:341:ASN:CB	A:342:PRO:HD3	0.441
13	B:341:ASN:CB	B:342:PRO:HD3	0.441
13	L:2:NAG:H5	L:3:BMA:O5	0.441
13	B:33:SER:HB3	B:83:ILE:HD12	0.440
13	I:2:NAG:H5	I:3:BMA:O5	0.440
13	A:33:SER:HB3	A:83:ILE:HD12	0.439
13	B:488:THR:OG1	M:1:NAG:H62	0.439
13	A:488:THR:OG1	E:1:NAG:H62	0.437
13	J:2:NAG:H5	J:3:BMA:O5	0.436
13	K:2:NAG:H5	K:3:BMA:O5	0.436
13	A:485:SER:HA	A:486:PRO:C	0.435
13	B:485:SER:HA	B:486:PRO:C	0.435
13	B:537:ARG:NH2	M:10:MAN:HO6	0.435
13	A:386:LYS:HD2	A:397:ILE:HD11	0.433
13	B:386:LYS:HD2	B:397:ILE:HD11	0.431
13	A:527:ASN:HA	A:528:PRO:C	0.427
13	B:527:ASN:HA	B:528:PRO:C	0.427
13	A:378:LEU:HD12	A:417:LEU:HG	0.421
13	B:378:LEU:HD12	B:417:LEU:HG	0.421
13	B:532:ASN:CG	P:1:NAG:C5	0.420

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:532:ASN:CG	F:1:NAG:C5	0.418
13	B:231:GLU:HA	B:328:THR:O	0.413
13	A:231:GLU:HA	A:328:THR:O	0.412
13	B:423:ILE:O	B:425:PRO:HD3	0.412
13	A:423:ILE:O	A:425:PRO:HD3	0.411
13	A:262:ARG:HH12	A:264:SER:HA	0.401
13	B:262:ARG:HH12	B:264:SER:HA	0.401
14	B:515:ILE:CD1	M:11:MAN:H62	1.568
14	B:148:ARG:NH1	O:2:NAG:C5	1.553
14	A:148:ARG:NH1	C:2:NAG:C5	1.552
14	A:114:ASN:ND2	J:1:NAG:C1	1.482
14	B:114:ASN:ND2	K:1:NAG:C1	1.480
14	B:515:ILE:HD11	M:11:MAN:C6	1.440
14	B:148:ARG:NH1	O:2:NAG:C4	1.431
14	A:148:ARG:NH1	C:2:NAG:C4	1.423
14	B:243:ASN:CG	L:1:NAG:C1	1.401
14	A:243:ASN:CG	I:1:NAG:C1	1.400
14	A:28:ARG:O	G:1:NAG:C6	1.399
14	B:28:ARG:O	Q:1:NAG:C6	1.397
14	A:91:PRO:C	Q:5:MAN:C3	1.327
14	A:330:ILE:HD11	I:10:MAN:C6	1.316
14	A:110:HIS:CE1	J:2:NAG:CT	1.309
14	B:110:HIS:CE1	K:2:NAG:CT	1.308

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:515:ILE:HG13	M:11:MAN:O4	1.306
14	A:330:ILE:CD1	I:10:MAN:H61	1.222
14	B:515:ILE:CG1	M:11:MAN:O4	1.218
14	B:150:LEU:CD2	O:2:NAG:H62	1.199
14	A:150:LEU:CD2	C:2:NAG:H62	1.197
14	A:243:ASN:ND2	I:1:NAG:C2	1.154
14	B:243:ASN:ND2	L:1:NAG:C2	1.154
14	B:236:ARG:NH1	L:11:MAN:H2	1.138
14	A:236:ARG:NH1	I:11:MAN:H2	1.132
14	A:90:ASN:HB3	Q:4:MAN:O3	1.131
14	B:90:ASN:HB3	G:4:MAN:O3	1.129
14	A:150:LEU:HD21	C:2:NAG:H62	1.110
14	B:150:LEU:HG	O:2:NAG:C6	1.107
14	A:150:LEU:HG	C:2:NAG:C6	1.106
14	B:150:LEU:HD21	O:2:NAG:H62	1.106
14	A:28:ARG:O	G:1:NAG:O6	1.087
14	B:28:ARG:O	Q:1:NAG:O6	1.083
14	B:28:ARG:C	Q:1:NAG:H61	1.064
14	B:114:ASN:CG	K:1:NAG:C1	1.064
14	A:28:ARG:C	G:1:NAG:H61	1.063
14	A:114:ASN:CG	J:1:NAG:C1	1.062
14	A:28:ARG:O	G:1:NAG:H61	1.039
14	B:28:ARG:O	Q:1:NAG:H61	1.034

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:408:LYS:N	D:2:NAG:CT	1.023
14	A:148:ARG:CZ	C:2:NAG:C5	1.020
14	B:408:LYS:N	N:2:NAG:CT	1.010
14	A:148:ARG:NH1	C:2:NAG:C3	1.009
14	B:148:ARG:NH1	O:2:NAG:C3	1.009
14	A:91:PRO:O	Q:4:MAN:O2	1.009
14	A:31:ASN:HD21	G:1:NAG:C5	1.001
14	B:31:ASN:HD21	Q:1:NAG:C5	0.998
14	A:28:ARG:C	G:1:NAG:C6	0.992
14	B:28:ARG:C	Q:1:NAG:C6	0.992
14	A:236:ARG:NH1	I:11:MAN:C2	0.992
14	B:236:ARG:NH1	L:11:MAN:C2	0.992
14	B:460:ASN:HB3	R:1:NAG:CT	0.985
14	A:460:ASN:HB3	H:1:NAG:CT	0.984
14	B:90:ASN:CB	G:4:MAN:O3	0.977
14	A:90:ASN:CB	Q:4:MAN:O3	0.975
14	B:150:LEU:HG	O:2:NAG:H61	0.975
14	A:150:LEU:HG	C:2:NAG:H61	0.974
14	B:243:ASN:ND2	L:1:NAG:C1	0.971
14	B:148:ARG:CZ	O:2:NAG:C5	0.970
14	A:243:ASN:ND2	I:1:NAG:C1	0.970
14	A:75:HIS:CE1	Q:6:MAN:O4	0.963
14	B:75:HIS:CE1	G:6:MAN:O4	0.963

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:150:LEU:CD2	C:2:NAG:C6	0.949
14	B:150:LEU:CD2	O:2:NAG:C6	0.947
14	A:148:ARG:NH1	C:2:NAG:H3	0.944
14	A:148:ARG:HG3	C:2:NAG:O6	0.942
14	B:148:ARG:HG3	O:2:NAG:O6	0.942
14	B:148:ARG:NH1	O:2:NAG:H3	0.939
14	B:150:LEU:CG	O:2:NAG:C6	0.928
14	A:150:LEU:CG	C:2:NAG:C6	0.926
14	B:515:ILE:HG13	M:11:MAN:HO4	0.917
14	A:404:SER:O	D:2:NAG:CT	0.871
14	A:114:ASN:HD21	J:1:NAG:C1	0.862
14	B:114:ASN:HD21	K:1:NAG:C1	0.861
14	A:408:LYS:HB2	D:2:NAG:C1	0.860
14	A:330:ILE:CD1	I:10:MAN:C6	0.859
14	B:243:ASN:ND2	L:1:NAG:O5	0.859
14	A:150:LEU:CG	C:2:NAG:H61	0.858
14	B:408:LYS:HB2	N:2:NAG:C1	0.858
14	A:243:ASN:ND2	I:1:NAG:O5	0.858
14	B:150:LEU:CG	O:2:NAG:H61	0.857
14	A:460:ASN:OD1	H:1:NAG:C	0.843
14	B:460:ASN:OD1	R:1:NAG:C	0.842
14	A:28:ARG:HG2	G:2:NAG:C2	0.837
14	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:28:ARG:HG2	Q:2:NAG:C2	0.835
14	B:501:ASP:OD2	B:502:PHE:HD2	0.835
14	B:77:ARG:HG2	G:6:MAN:O3	0.812
14	A:77:ARG:HG2	Q:6:MAN:O3	0.809
14	A:150:LEU:HD21	C:2:NAG:C6	0.799
14	B:150:LEU:HD21	O:2:NAG:C6	0.796
14	B:77:ARG:HB2	G:5:MAN:O3	0.794
14	A:77:ARG:HB2	Q:5:MAN:O3	0.792
14	A:110:HIS:NE2	J:2:NAG:CT	0.792
14	B:110:HIS:NE2	K:2:NAG:CT	0.790
14	B:515:ILE:HD12	M:11:MAN:H62	0.784
14	A:31:ASN:ND2	G:1:NAG:O6	0.784
14	A:461:SER:O	H:1:NAG:H61	0.783
14	B:31:ASN:ND2	Q:1:NAG:O6	0.783
14	A:91:PRO:O	Q:5:MAN:C3	0.778
14	B:28:ARG:O	Q:1:NAG:H62	0.775
14	A:28:ARG:O	G:1:NAG:H62	0.774
14	B:31:ASN:ND2	Q:1:NAG:C5	0.766
14	A:31:ASN:ND2	G:1:NAG:C5	0.765
14	A:499:ASN:H	A:499:ASN:HD22	0.765
14	B:499:ASN:HD21	B:502:PHE:HB2	0.764
14	A:330:ILE:HD11	I:10:MAN:H61	0.763
14	A:499:ASN:HD21	A:502:PHE:HB2	0.763

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:499:ASN:H	B:499:ASN:HD22	0.762
14	A:501:ASP:OD2	A:502:PHE:CD2	0.756
14	B:110:HIS:HE1	K:2:NAG:CT	0.755
14	B:501:ASP:OD2	B:502:PHE:CD2	0.754
14	A:110:HIS:HE1	J:2:NAG:CT	0.753
14	A:114:ASN:HD22	J:1:NAG:C1	0.750
14	B:532:ASN:ND2	P:1:NAG:CT	0.749
14	B:114:ASN:HD22	K:1:NAG:C1	0.747
14	A:408:LYS:N	D:2:NAG:N	0.743
14	B:408:LYS:N	N:2:NAG:N	0.742
14	A:532:ASN:ND2	F:1:NAG:O6	0.729
14	A:91:PRO:C	Q:5:MAN:C2	0.726
14	B:515:ILE:CD1	M:11:MAN:C6	0.721
14	A:31:ASN:HD21	G:1:NAG:H5	0.718
14	B:31:ASN:HD21	Q:1:NAG:H5	0.715
14	A:91:PRO:O	Q:5:MAN:C2	0.700
14	A:90:ASN:HB3	Q:4:MAN:HO3	0.694
14	A:498:LEU:HB2	A:502:PHE:O	0.691
14	B:498:LEU:HB2	B:502:PHE:O	0.690
14	A:28:ARG:CA	G:1:NAG:H62	0.687
14	B:28:ARG:CA	Q:1:NAG:H62	0.686
14	B:90:ASN:HB3	G:4:MAN:HO3	0.685
14	A:236:ARG:HH12	I:11:MAN:C1	0.677

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:236:ARG:HH12	L:11:MAN:C1	0.676
14	B:166:ASN:HB3	O:1:NAG:C1	0.675
14	B:499:ASN:N	B:499:ASN:ND2	0.675
14	A:166:ASN:HB3	C:1:NAG:C1	0.674
14	A:499:ASN:N	A:499:ASN:ND2	0.674
14	B:515:ILE:HG12	M:11:MAN:O4	0.674
14	A:77:ARG:HB3	Q:6:MAN:H3	0.673
14	B:77:ARG:HB3	G:6:MAN:H3	0.672
14	A:150:LEU:HD23	C:2:NAG:H62	0.672
14	A:499:ASN:H	A:499:ASN:ND2	0.671
14	A:408:LYS:HB2	D:2:NAG:N	0.670
14	B:150:LEU:HD23	O:2:NAG:H62	0.670
14	A:405:PRO:O	D:2:NAG:O3	0.670
14	B:408:LYS:HB2	N:2:NAG:N	0.669
14	B:499:ASN:H	B:499:ASN:ND2	0.669
14	B:236:ARG:HH12	L:11:MAN:C2	0.668
14	B:405:PRO:O	N:2:NAG:O3	0.668
14	A:236:ARG:HH12	I:11:MAN:C2	0.667
14	A:408:LYS:CB	D:2:NAG:N	0.666
14	B:408:LYS:CB	N:2:NAG:N	0.666
14	A:460:ASN:CB	H:1:NAG:CT	0.651
14	B:460:ASN:CB	R:1:NAG:CT	0.651
14	B:406:ASN:O	N:1:NAG:H61	0.646

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:408:LYS:N	D:2:NAG:C	0.646
14	B:408:LYS:N	N:2:NAG:C	0.646
14	A:28:ARG:CA	G:1:NAG:C6	0.642
14	B:28:ARG:CA	Q:1:NAG:C6	0.642
14	B:150:LEU:HG	O:2:NAG:O6	0.639
14	A:150:LEU:HG	C:2:NAG:O6	0.638
14	A:236:ARG:NH1	I:10:MAN:O3	0.636
14	B:236:ARG:NH1	L:10:MAN:O3	0.635
14	A:330:ILE:HD11	I:10:MAN:H62	0.623
14	B:515:ILE:HD11	M:11:MAN:C5	0.623
14	B:28:ARG:CG	B:28:ARG:HH11	0.614
14	A:28:ARG:CG	A:28:ARG:HH11	0.612
14	A:341:ASN:HB3	A:342:PRO:HD3	0.610
14	B:341:ASN:HB3	B:342:PRO:HD3	0.610
14	B:239:VAL:HG22	L:11:MAN:O2	0.604
14	A:532:ASN:HD21	F:1:NAG:C6	0.599
14	B:406:ASN:N	N:2:NAG:CT	0.599
14	B:515:ILE:CD1	M:11:MAN:O4	0.599
14	A:1:ASP:HB2	Q:2:NAG:O3	0.593
14	A:409:ASN:HD22	A:410:ASN:H	0.592
14	A:447:LEU:HB3	A:448:PRO:HD3	0.591
14	B:409:ASN:HD22	B:410:ASN:H	0.591
14	A:90:ASN:HB2	Q:4:MAN:O3	0.591

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:90:ASN:HB2	G:4:MAN:O3	0.589
14	A:408:LYS:HG3	D:3:BMA:H62	0.588
14	A:31:ASN:ND2	G:1:NAG:C6	0.588
14	B:31:ASN:ND2	Q:1:NAG:C6	0.588
14	B:408:LYS:HG3	N:3:BMA:H62	0.586
14	A:532:ASN:ND2	F:1:NAG:C6	0.586
14	A:75:HIS:HE1	Q:6:MAN:O4	0.585
14	A:486:PRO:HD3	F:11:MAN:O4	0.583
14	B:75:HIS:HE1	G:6:MAN:O4	0.583
14	B:408:LYS:HD2	N:2:NAG:C	0.574
14	A:408:LYS:HD2	D:2:NAG:C	0.573
14	B:515:ILE:HD11	M:11:MAN:C4	0.568
14	A:391:ASN:HB3	A:393:GLN:HG3	0.560
14	B:391:ASN:HB3	B:393:GLN:HG3	0.560
14	B:515:ILE:HD11	M:11:MAN:H62	0.559
14	B:28:ARG:HG2	B:28:ARG:HH11	0.552
14	A:28:ARG:HG2	A:28:ARG:HH11	0.551
14	B:31:ASN:HD21	Q:1:NAG:C6	0.550
14	A:533:ILE:C	F:1:NAG:HO6	0.549
14	A:31:ASN:HD21	G:1:NAG:C6	0.549
14	B:488:THR:HG22	B:491:ARG:NH2	0.548
14	A:488:THR:HG22	A:491:ARG:NH2	0.547
14	B:532:ASN:HD22	P:1:NAG:CT	0.547

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:109:LEU:H	A:109:LEU:HD12	0.545
14	B:109:LEU:H	B:109:LEU:HD12	0.545
14	B:28:ARG:HA	Q:1:NAG:C6	0.543
14	A:28:ARG:HA	G:1:NAG:C6	0.542
14	A:28:ARG:HA	G:1:NAG:H62	0.542
14	B:28:ARG:HA	Q:1:NAG:H62	0.542
14	A:533:ILE:HD13	F:11:MAN:O2	0.541
14	B:105:ARG:HG2	B:203:LEU:HB3	0.540
14	A:359:THR:HG22	A:393:GLN:HG2	0.536
14	B:359:THR:HG22	B:393:GLN:HG2	0.536
14	A:91:PRO:O	Q:5:MAN:C1	0.532
14	A:148:ARG:CG	C:2:NAG:O6	0.529
14	B:148:ARG:CG	O:2:NAG:O6	0.529
14	A:166:ASN:CB	C:1:NAG:C1	0.516
14	A:28:ARG:HH12	G:2:NAG:H4	0.516
14	A:330:ILE:CD1	I:10:MAN:H62	0.515
14	B:166:ASN:CB	O:1:NAG:C1	0.515
14	B:28:ARG:HH12	Q:2:NAG:H4	0.515
14	B:239:VAL:CG2	L:11:MAN:O2	0.511
14	A:28:ARG:HH11	G:2:NAG:C2	0.509
14	B:28:ARG:HH11	Q:2:NAG:C2	0.508
14	A:499:ASN:N	A:499:ASN:HD22	0.499
14	B:499:ASN:N	B:499:ASN:HD22	0.497

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:75:HIS:CE1	G:6:MAN:HO4	0.492
14	A:75:HIS:CE1	Q:6:MAN:HO4	0.491
14	B:148:ARG:CZ	O:2:NAG:H3	0.489
14	A:148:ARG:CZ	C:2:NAG:H3	0.487
14	A:408:LYS:HB2	D:2:NAG:C2	0.481
14	B:408:LYS:HB2	N:2:NAG:C2	0.480
14	B:28:ARG:CG	B:28:ARG:NH1	0.479
14	B:423:ILE:HB	B:424:PRO:HD3	0.479
14	A:28:ARG:CG	A:28:ARG:NH1	0.478
14	A:423:ILE:HB	A:424:PRO:HD3	0.477
14	B:408:LYS:HE2	N:3:BMA:H5	0.477
14	A:408:LYS:HE2	D:3:BMA:H5	0.473
14	A:528:PRO:HA	A:529:PRO:HD3	0.457
14	A:533:ILE:C	F:1:NAG:O6	0.457
14	B:532:ASN:CB	P:1:NAG:C	0.457
14	B:528:PRO:HA	B:529:PRO:HD3	0.454
14	B:460:ASN:OD1	R:1:NAG:CT	0.454
14	A:460:ASN:OD1	H:1:NAG:CT	0.453
14	A:148:ARG:C	C:1:NAG:C	0.450
14	B:148:ARG:C	O:1:NAG:C	0.450
14	A:408:LYS:CA	D:2:NAG:N	0.449
14	B:408:LYS:CA	N:2:NAG:N	0.449
14	A:341:ASN:CB	A:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:341:ASN:CB	B:342:PRO:HD3	0.441
14	B:33:SER:HB3	B:83:ILE:HD12	0.440
14	A:33:SER:HB3	A:83:ILE:HD12	0.439
14	A:77:ARG:CB	Q:6:MAN:H3	0.439
14	A:111:GLN:HG2	J:11:MAN:O3	0.439
14	B:111:GLN:HG2	K:11:MAN:O3	0.439
14	A:485:SER:HA	A:486:PRO:C	0.435
14	B:77:ARG:CB	G:6:MAN:H3	0.435
14	B:485:SER:HA	B:486:PRO:C	0.435
14	B:243:ASN:ND2	L:1:NAG:N	0.435
14	A:243:ASN:ND2	I:1:NAG:N	0.434
14	A:386:LYS:HD2	A:397:ILE:HD11	0.433
14	B:386:LYS:HD2	B:397:ILE:HD11	0.431
14	A:28:ARG:CB	G:1:NAG:H62	0.430
14	B:28:ARG:CB	Q:1:NAG:H62	0.430
14	A:408:LYS:CG	D:3:BMA:H62	0.430
14	B:408:LYS:CG	N:3:BMA:H62	0.430
14	B:28:ARG:CA	Q:1:NAG:H61	0.429
14	A:28:ARG:CA	G:1:NAG:H61	0.428
14	A:527:ASN:HA	A:528:PRO:C	0.427
14	B:527:ASN:HA	B:528:PRO:C	0.427
14	B:111:GLN:HB3	K:11:MAN:O4	0.426
14	A:111:GLN:HB3	J:11:MAN:O4	0.425

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:378:LEU:HD12	A:417:LEU:HG	0.421
14	B:378:LEU:HD12	B:417:LEU:HG	0.421
14	B:532:ASN:HB2	P:1:NAG:C	0.421
14	A:408:LYS:N	D:1:NAG:O6	0.416
14	B:408:LYS:N	N:1:NAG:O6	0.415
14	A:460:ASN:CG	H:1:NAG:CT	0.413
14	A:533:ILE:HG21	F:11:MAN:O2	0.413
14	B:231:GLU:HA	B:328:THR:O	0.413
14	A:231:GLU:HA	A:328:THR:O	0.412
14	B:423:ILE:O	B:425:PRO:HD3	0.412
14	B:460:ASN:CG	R:1:NAG:CT	0.412
14	A:423:ILE:O	A:425:PRO:HD3	0.411
14	A:28:ARG:NH1	G:2:NAG:H4	0.410
14	B:28:ARG:NH1	Q:2:NAG:H4	0.410
14	A:408:LYS:H	D:2:NAG:C	0.410
14	B:408:LYS:H	N:2:NAG:C	0.410
14	A:262:ARG:HH12	A:264:SER:HA	0.401
14	B:262:ARG:HH12	B:264:SER:HA	0.401
15	A:31:ASN:CG	G:1:NAG:C1	1.566
15	B:31:ASN:CG	Q:1:NAG:C1	1.564
15	A:148:ARG:HA	C:1:NAG:C	1.380
15	B:148:ARG:HA	O:1:NAG:C	1.373
15	B:148:ARG:CA	O:1:NAG:C	1.369

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:148:ARG:CA	C:1:NAG:C	1.362
15	B:199:PRO:HB3	O:3:BMA:C6	1.353
15	A:199:PRO:HB3	C:3:BMA:C6	1.352
15	B:199:PRO:CB	O:3:BMA:H61	1.343
15	A:199:PRO:CB	C:3:BMA:H61	1.340
15	B:517:GLU:OE2	M:7:MAN:H2	1.263
15	A:31:ASN:OD1	G:1:NAG:C2	1.230
15	A:110:HIS:CE1	J:2:NAG:N	1.217
15	B:110:HIS:CE1	K:2:NAG:N	1.217
15	B:537:ARG:NH1	M:7:MAN:O2	1.194
15	B:148:ARG:HA	O:1:NAG:N	1.193
15	B:517:GLU:OE1	M:8:MAN:C6	1.193
15	A:148:ARG:HA	C:1:NAG:N	1.192
15	A:200:THR:HG21	C:11:MAN:O6	1.164
15	B:200:THR:HG21	O:11:MAN:O6	1.161
15	A:191:GLN:OE1	C:2:NAG:C4	1.137
15	B:200:THR:CG2	O:11:MAN:O6	1.133
15	A:200:THR:CG2	C:11:MAN:O6	1.132
15	B:517:GLU:OE1	M:8:MAN:O6	1.124
15	B:517:GLU:OE2	M:7:MAN:C2	1.073
15	B:31:ASN:OD1	Q:1:NAG:C2	1.060
15	A:515:ILE:O	E:2:NAG:C	1.053
15	B:31:ASN:OD1	Q:1:NAG:O5	1.044

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:148:ARG:CA	O:1:NAG:N	1.040
15	A:148:ARG:CA	C:1:NAG:N	1.033
15	A:413:ASN:CG	D:1:NAG:C1	1.031
15	A:530:LYS:HD3	F:1:NAG:CT	1.031
15	A:31:ASN:CB	G:1:NAG:N	1.028
15	A:31:ASN:HB3	G:1:NAG:N	1.012
15	B:517:GLU:HG2	M:2:NAG:O3	1.007
15	A:31:ASN:HB3	G:1:NAG:C	1.006
15	A:31:ASN:OD1	G:1:NAG:O5	0.981
15	A:515:ILE:O	E:2:NAG:O	0.964
15	B:166:ASN:HB3	O:1:NAG:C1	0.950
15	A:166:ASN:HB3	C:1:NAG:C1	0.949
15	A:460:ASN:ND2	H:1:NAG:C1	0.918
15	B:460:ASN:ND2	R:1:NAG:C1	0.915
15	A:515:ILE:O	E:2:NAG:CT	0.903
15	A:31:ASN:OD1	G:1:NAG:C1	0.899
15	B:31:ASN:OD1	Q:1:NAG:C1	0.898
15	B:517:GLU:OE1	M:8:MAN:H62	0.890
15	B:517:GLU:HG2	M:2:NAG:HO3	0.879
15	A:114:ASN:ND2	J:1:NAG:C1	0.840
15	B:114:ASN:ND2	K:1:NAG:C1	0.840
15	B:517:GLU:CG	M:2:NAG:O3	0.839
15	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:501:ASP:OD2	B:502:PHE:HD2	0.835
15	B:166:ASN:CB	O:1:NAG:C1	0.833
15	A:166:ASN:CB	C:1:NAG:C1	0.831
15	B:114:ASN:CG	K:1:NAG:C1	0.811
15	A:114:ASN:CG	J:1:NAG:C1	0.810
15	A:499:ASN:H	A:499:ASN:HD22	0.765
15	B:499:ASN:HD21	B:502:PHE:HB2	0.764
15	A:499:ASN:HD21	A:502:PHE:HB2	0.763
15	B:499:ASN:H	B:499:ASN:HD22	0.762
15	B:517:GLU:N	M:2:NAG:O3	0.761
15	A:501:ASP:OD2	A:502:PHE:CD2	0.756
15	A:461:SER:O	H:1:NAG:C6	0.756
15	B:501:ASP:OD2	B:502:PHE:CD2	0.754
15	A:148:ARG:N	C:1:NAG:C	0.731
15	B:148:ARG:N	O:1:NAG:C	0.731
15	A:461:SER:O	H:1:NAG:O6	0.727
15	A:413:ASN:OD1	D:1:NAG:C1	0.712
15	A:461:SER:O	H:1:NAG:H61	0.711
15	A:460:ASN:HD21	H:1:NAG:C1	0.708
15	B:460:ASN:HD21	R:1:NAG:C1	0.708
15	A:460:ASN:O	H:1:NAG:H4	0.702
15	B:460:ASN:O	R:1:NAG:H4	0.702
15	B:200:THR:HG21	O:11:MAN:C6	0.696

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:200:THR:HG21	C:11:MAN:C6	0.694
15	A:498:LEU:HB2	A:502:PHE:O	0.691
15	B:498:LEU:HB2	B:502:PHE:O	0.690
15	B:499:ASN:N	B:499:ASN:ND2	0.675
15	A:499:ASN:N	A:499:ASN:ND2	0.674
15	A:499:ASN:H	A:499:ASN:ND2	0.671
15	B:499:ASN:H	B:499:ASN:ND2	0.669
15	B:535:ILE:HD11	M:8:MAN:O4	0.627
15	A:191:GLN:OE1	C:2:NAG:C3	0.625
15	B:28:ARG:CG	B:28:ARG:HH11	0.614
15	A:28:ARG:CG	A:28:ARG:HH11	0.612
15	A:341:ASN:HB3	A:342:PRO:HD3	0.610
15	B:341:ASN:HB3	B:342:PRO:HD3	0.610
15	A:166:ASN:HB2	C:1:NAG:C1	0.606
15	B:166:ASN:HB2	O:1:NAG:C1	0.606
15	A:515:ILE:C	E:2:NAG:O	0.604
15	B:114:ASN:HB2	K:1:NAG:C1	0.604
15	A:114:ASN:HB2	J:1:NAG:C1	0.602
15	A:31:ASN:CB	G:1:NAG:C	0.595
15	A:409:ASN:HD22	A:410:ASN:H	0.592
15	A:447:LEU:HB3	A:448:PRO:HD3	0.591
15	B:409:ASN:HD22	B:410:ASN:H	0.591
15	B:535:ILE:CD1	M:8:MAN:O4	0.572

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:200:THR:HG22	C:11:MAN:O6	0.572
15	B:200:THR:HG22	O:11:MAN:O6	0.569
15	A:352:HIS:HE1	F:6:MAN:H2	0.562
15	A:31:ASN:CG	G:1:NAG:N	0.561
15	A:391:ASN:HB3	A:393:GLN:HG3	0.560
15	B:391:ASN:HB3	B:393:GLN:HG3	0.560
15	B:517:GLU:OE1	M:8:MAN:C5	0.560
15	B:28:ARG:HG2	B:28:ARG:HH11	0.552
15	A:28:ARG:HG2	A:28:ARG:HH11	0.551
15	B:488:THR:HG22	B:491:ARG:NH2	0.548
15	A:488:THR:HG22	A:491:ARG:NH2	0.547
15	A:109:LEU:H	A:109:LEU:HD12	0.545
15	A:399:VAL:HG21	F:4:MAN:O4	0.545
15	B:109:LEU:H	B:109:LEU:HD12	0.545
15	B:105:ARG:HG2	B:203:LEU:HB3	0.540
15	A:359:THR:HG22	A:393:GLN:HG2	0.536
15	B:359:THR:HG22	B:393:GLN:HG2	0.536
15	B:114:ASN:CB	K:1:NAG:C1	0.533
15	A:114:ASN:CB	J:1:NAG:C1	0.532
15	A:413:ASN:ND2	D:1:NAG:C1	0.515
15	B:537:ARG:CZ	M:7:MAN:O2	0.515
15	A:532:ASN:ND2	F:1:NAG:O5	0.506
15	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:499:ASN:N	B:499:ASN:HD22	0.497
15	A:148:ARG:N	C:1:NAG:N	0.486
15	B:148:ARG:N	O:1:NAG:N	0.485
15	A:399:VAL:CG2	F:4:MAN:O4	0.479
15	B:28:ARG:CG	B:28:ARG:NH1	0.479
15	B:423:ILE:HB	B:424:PRO:HD3	0.479
15	A:28:ARG:CG	A:28:ARG:NH1	0.478
15	A:423:ILE:HB	A:424:PRO:HD3	0.477
15	B:537:ARG:HH12	M:7:MAN:HO2	0.473
15	B:517:GLU:CD	M:7:MAN:H2	0.471
15	A:528:PRO:HA	A:529:PRO:HD3	0.457
15	B:148:ARG:HG3	O:2:NAG:C6	0.456
15	A:148:ARG:HG3	C:2:NAG:C6	0.455
15	B:528:PRO:HA	B:529:PRO:HD3	0.454
15	A:77:ARG:HH21	A:91:PRO:HB2	0.451
15	A:352:HIS:HE1	F:6:MAN:C2	0.444
15	A:191:GLN:OE1	C:2:NAG:O3	0.442
15	A:341:ASN:CB	A:342:PRO:HD3	0.441
15	B:341:ASN:CB	B:342:PRO:HD3	0.441
15	B:33:SER:HB3	B:83:ILE:HD12	0.440
15	A:33:SER:HB3	A:83:ILE:HD12	0.439
15	B:199:PRO:CB	O:3:BMA:C6	0.439
15	A:199:PRO:CB	C:3:BMA:C6	0.436

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:485:SER:HA	A:486:PRO:C	0.435
15	B:485:SER:HA	B:486:PRO:C	0.435
15	A:386:LYS:HD2	A:397:ILE:HD11	0.433
15	B:386:LYS:HD2	B:397:ILE:HD11	0.431
15	A:527:ASN:HA	A:528:PRO:C	0.427
15	B:527:ASN:HA	B:528:PRO:C	0.427
15	A:31:ASN:CG	G:1:NAG:C2	0.425
15	A:378:LEU:HD12	A:417:LEU:HG	0.421
15	B:378:LEU:HD12	B:417:LEU:HG	0.421
15	A:31:ASN:HB2	G:1:NAG:N	0.419
15	B:231:GLU:HA	B:328:THR:O	0.413
15	B:517:GLU:OE2	M:7:MAN:O2	0.413
15	A:231:GLU:HA	A:328:THR:O	0.412
15	B:423:ILE:O	B:425:PRO:HD3	0.412
15	A:423:ILE:O	A:425:PRO:HD3	0.411
15	A:200:THR:CG2	C:11:MAN:HO6	0.409
15	B:200:THR:CG2	O:11:MAN:HO6	0.405
15	A:262:ARG:HH12	A:264:SER:HA	0.401
15	B:262:ARG:HH12	B:264:SER:HA	0.401
15	A:229:TYR:O	I:2:NAG:CT	0.401
15	B:229:TYR:O	L:2:NAG:CT	0.401
16	A:31:ASN:CG	G:1:NAG:C1	1.487
16	B:31:ASN:CG	Q:1:NAG:C1	1.482

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:231:GLU:CG	I:11:MAN:O6	1.359
16	B:231:GLU:CG	L:11:MAN:O6	1.357
16	A:408:LYS:HB2	D:2:NAG:C2	1.275
16	B:408:LYS:HB2	N:2:NAG:C2	1.275
16	A:31:ASN:HD21	G:1:NAG:C5	1.259
16	B:31:ASN:HD21	Q:1:NAG:C5	1.255
16	A:90:ASN:ND2	Q:5:MAN:H62	1.208
16	B:90:ASN:ND2	G:5:MAN:H62	1.207
16	A:31:ASN:CG	G:1:NAG:O5	1.202
16	B:31:ASN:CG	Q:1:NAG:O5	1.198
16	A:28:ARG:HH11	G:2:NAG:C	1.192
16	B:28:ARG:HH11	Q:2:NAG:C	1.190
16	A:31:ASN:HD21	G:1:NAG:H5	1.185
16	B:31:ASN:HD21	Q:1:NAG:H5	1.182
16	B:77:ARG:HH12	G:11:MAN:C6	1.142
16	A:77:ARG:HH12	Q:11:MAN:C6	1.141
16	A:90:ASN:HD21	Q:5:MAN:H62	1.130
16	B:90:ASN:HD21	G:5:MAN:H62	1.123
16	A:231:GLU:HG2	I:11:MAN:O6	1.115
16	A:31:ASN:OD1	G:1:NAG:C1	1.110
16	B:31:ASN:OD1	Q:1:NAG:C1	1.110
16	B:231:GLU:HG2	L:11:MAN:O6	1.109
16	A:31:ASN:OD1	G:1:NAG:O5	1.106

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:31:ASN:OD1	Q:1:NAG:O5	1.104
16	A:408:LYS:HZ3	D:3:BMA:H2	1.094
16	B:31:ASN:ND2	Q:1:NAG:C5	1.094
16	A:31:ASN:ND2	G:1:NAG:C5	1.092
16	B:408:LYS:HZ3	N:3:BMA:H2	1.090
16	A:532:ASN:HD21	F:1:NAG:H61	1.077
16	B:532:ASN:HD21	P:1:NAG:H61	1.077
16	A:77:ARG:HH12	Q:11:MAN:H61	1.065
16	B:77:ARG:HH12	G:11:MAN:H61	1.062
16	B:109:LEU:CD2	K:7:MAN:O5	1.055
16	A:109:LEU:CD2	J:7:MAN:O5	1.050
16	B:408:LYS:HB2	N:2:NAG:N	1.045
16	A:408:LYS:HB2	D:2:NAG:N	1.044
16	A:413:ASN:ND2	D:1:NAG:C1	1.042
16	A:463:ASN:ND2	H:1:NAG:C1	1.021
16	B:463:ASN:ND2	R:1:NAG:C1	1.020
16	A:408:LYS:HB2	D:2:NAG:C3	1.016
16	B:408:LYS:HB2	N:2:NAG:C3	1.015
16	A:31:ASN:ND2	G:1:NAG:O5	1.010
16	B:31:ASN:ND2	Q:1:NAG:O5	1.010
16	B:408:LYS:HG2	N:3:BMA:C1	1.005
16	A:408:LYS:HG2	D:3:BMA:C1	1.004
16	B:532:ASN:HD21	P:1:NAG:C6	0.998

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:406:ASN:N	N:2:NAG:CT	0.996
16	A:532:ASN:HD21	F:1:NAG:C6	0.996
16	A:408:LYS:N	D:2:NAG:N	0.995
16	B:408:LYS:N	N:2:NAG:N	0.995
16	A:408:LYS:NZ	D:3:BMA:H2	0.985
16	B:408:LYS:NZ	N:3:BMA:H2	0.985
16	A:532:ASN:ND2	F:1:NAG:H61	0.975
16	B:532:ASN:ND2	P:1:NAG:H61	0.972
16	B:408:LYS:CB	N:2:NAG:H3	0.956
16	B:408:LYS:CB	N:2:NAG:C3	0.954
16	A:408:LYS:CB	D:2:NAG:C3	0.953
16	A:408:LYS:CB	D:2:NAG:H3	0.950
16	A:28:ARG:NH1	G:2:NAG:C	0.944
16	B:28:ARG:NH1	Q:2:NAG:C	0.943
16	A:413:ASN:CG	D:1:NAG:C1	0.918
16	B:231:GLU:CB	L:11:MAN:O6	0.913
16	A:231:GLU:CB	I:11:MAN:O6	0.911
16	B:231:GLU:CD	L:11:MAN:O6	0.898
16	A:231:GLU:CD	I:11:MAN:O6	0.897
16	A:229:TYR:HB2	I:2:NAG:C2	0.888
16	B:229:TYR:HB2	L:2:NAG:C2	0.886
16	A:90:ASN:ND2	Q:5:MAN:O4	0.886
16	B:90:ASN:ND2	G:5:MAN:O4	0.886

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:90:ASN:HD21	G:5:MAN:C6	0.885
16	A:90:ASN:HD21	Q:5:MAN:C6	0.882
16	B:31:ASN:ND2	Q:1:NAG:C1	0.877
16	A:31:ASN:ND2	G:1:NAG:C1	0.876
16	A:231:GLU:CD	I:11:MAN:HO6	0.872
16	A:405:PRO:C	D:2:NAG:CT	0.870
16	B:405:PRO:C	N:2:NAG:CT	0.870
16	B:408:LYS:HB2	N:2:NAG:C1	0.866
16	A:408:LYS:HB2	D:2:NAG:C1	0.864
16	A:530:LYS:NZ	F:1:NAG:O	0.862
16	B:530:LYS:NZ	P:1:NAG:O	0.861
16	A:28:ARG:NH1	G:2:NAG:N	0.858
16	B:28:ARG:NH1	Q:2:NAG:N	0.857
16	A:501:ASP:OD2	A:502:PHE:HD2	0.837
16	B:501:ASP:OD2	B:502:PHE:HD2	0.835
16	A:330:ILE:CB	I:11:MAN:O2	0.829
16	B:229:TYR:CB	L:2:NAG:C2	0.824
16	B:231:GLU:CD	L:11:MAN:HO6	0.824
16	A:28:ARG:CA	G:1:NAG:H62	0.822
16	B:28:ARG:CA	Q:1:NAG:H62	0.821
16	A:229:TYR:CB	I:2:NAG:C2	0.820
16	A:330:ILE:CG2	I:11:MAN:O2	0.818
16	A:408:LYS:CB	D:2:NAG:N	0.817

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:408:LYS:N	D:2:NAG:CT	0.816
16	B:408:LYS:N	N:2:NAG:CT	0.816
16	B:408:LYS:CB	N:2:NAG:N	0.815
16	B:77:ARG:NH1	G:11:MAN:H61	0.815
16	A:109:LEU:CG	J:7:MAN:O5	0.812
16	B:109:LEU:CG	K:7:MAN:O5	0.812
16	A:229:TYR:HB2	I:2:NAG:C1	0.811
16	B:231:GLU:CG	L:11:MAN:HO6	0.811
16	B:229:TYR:HB2	L:2:NAG:C1	0.810
16	A:330:ILE:HB	I:11:MAN:O2	0.806
16	B:406:ASN:C	N:2:NAG:O	0.806
16	B:31:ASN:ND2	Q:1:NAG:H5	0.806
16	A:511:PHE:N	E:1:NAG:O	0.805
16	A:31:ASN:ND2	G:1:NAG:H5	0.804
16	B:511:PHE:N	M:1:NAG:O	0.804
16	A:28:ARG:HA	G:1:NAG:H62	0.802
16	B:28:ARG:HA	Q:1:NAG:H62	0.802
16	A:408:LYS:HZ3	D:3:BMA:C2	0.800
16	B:408:LYS:HZ3	N:3:BMA:C2	0.798
16	B:77:ARG:NH1	G:11:MAN:C6	0.796
16	A:77:ARG:NH1	Q:11:MAN:C6	0.793
16	A:231:GLU:CG	I:11:MAN:HO6	0.788
16	A:532:ASN:ND2	F:1:NAG:C6	0.765

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:499:ASN:H	A:499:ASN:HD22	0.765
16	B:499:ASN:HD21	B:502:PHE:HB2	0.764
16	A:499:ASN:HD21	A:502:PHE:HB2	0.763
16	A:512:GLU:N	E:2:NAG:HO6	0.763
16	B:499:ASN:H	B:499:ASN:HD22	0.762
16	B:512:GLU:N	M:2:NAG:HO6	0.761
16	B:532:ASN:ND2	P:1:NAG:C6	0.760
16	B:408:LYS:H	N:2:NAG:C	0.760
16	A:28:ARG:N	G:2:NAG:CT	0.758
16	B:28:ARG:N	Q:2:NAG:CT	0.758
16	A:408:LYS:H	D:2:NAG:C	0.758
16	A:501:ASP:OD2	A:502:PHE:CD2	0.756
16	A:77:ARG:NH1	Q:11:MAN:H61	0.756
16	B:501:ASP:OD2	B:502:PHE:CD2	0.754
16	B:231:GLU:HB3	L:11:MAN:O6	0.751
16	A:231:GLU:HB3	I:11:MAN:O6	0.750
16	A:463:ASN:CG	H:1:NAG:C1	0.739
16	B:463:ASN:CG	R:1:NAG:C1	0.739
16	A:91:PRO:HB2	Q:11:MAN:O4	0.726
16	A:330:ILE:HG21	I:11:MAN:O2	0.715
16	A:129:THR:HG23	J:2:NAG:C	0.707
16	B:129:THR:HG23	K:2:NAG:C	0.706
16	A:413:ASN:HB2	D:1:NAG:C1	0.700

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:1:ASP:H2	Q:2:NAG:CT	0.694
16	A:109:LEU:HG	J:7:MAN:O5	0.692
16	A:498:LEU:HB2	A:502:PHE:O	0.691
16	B:109:LEU:HG	K:7:MAN:O5	0.691
16	B:498:LEU:HB2	B:502:PHE:O	0.690
16	A:1:ASP:N	Q:2:NAG:CT	0.686
16	B:406:ASN:HA	N:2:NAG:O	0.683
16	A:512:GLU:N	E:2:NAG:O6	0.679
16	B:512:GLU:N	M:2:NAG:O6	0.679
16	B:499:ASN:N	B:499:ASN:ND2	0.675
16	A:499:ASN:N	A:499:ASN:ND2	0.674
16	B:406:ASN:CA	N:2:NAG:O	0.672
16	A:499:ASN:H	A:499:ASN:ND2	0.671
16	B:499:ASN:H	B:499:ASN:ND2	0.669
16	A:413:ASN:CB	D:1:NAG:C1	0.661
16	A:408:LYS:NZ	D:3:BMA:C2	0.659
16	B:408:LYS:NZ	N:3:BMA:C2	0.656
16	A:28:ARG:H	G:2:NAG:CT	0.646
16	B:28:ARG:H	Q:2:NAG:CT	0.645
16	B:511:PHE:CB	M:1:NAG:O	0.641
16	A:511:PHE:CB	E:1:NAG:O	0.640
16	B:77:ARG:HH12	G:11:MAN:C5	0.631
16	A:77:ARG:HH12	Q:11:MAN:C5	0.627

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:129:THR:CG2	J:2:NAG:CT	0.625
16	B:129:THR:CG2	K:2:NAG:CT	0.625
16	A:31:ASN:ND2	G:1:NAG:C6	0.618
16	B:31:ASN:ND2	Q:1:NAG:C6	0.617
16	A:341:ASN:HB3	A:342:PRO:HD3	0.610
16	B:341:ASN:HB3	B:342:PRO:HD3	0.610
16	B:231:GLU:HB3	L:11:MAN:HO6	0.609
16	A:408:LYS:N	D:2:NAG:C	0.608
16	B:408:LYS:N	N:2:NAG:C	0.607
16	A:129:THR:CG2	J:2:NAG:C	0.604
16	B:129:THR:CG2	K:2:NAG:C	0.603
16	A:413:ASN:HD22	D:1:NAG:C1	0.601
16	A:330:ILE:HG12	I:11:MAN:H61	0.594
16	A:409:ASN:HD22	A:410:ASN:H	0.592
16	A:447:LEU:HB3	A:448:PRO:HD3	0.591
16	A:31:ASN:ND2	G:1:NAG:O6	0.591
16	B:409:ASN:HD22	B:410:ASN:H	0.591
16	B:31:ASN:ND2	Q:1:NAG:O6	0.589
16	A:77:ARG:NH1	Q:11:MAN:C5	0.587
16	B:77:ARG:NH1	G:11:MAN:C5	0.585
16	B:28:ARG:CA	Q:1:NAG:C6	0.579
16	B:406:ASN:O	N:2:NAG:O	0.575
16	A:229:TYR:CG	I:2:NAG:N	0.574

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:229:TYR:CG	L:2:NAG:N	0.574
16	B:231:GLU:CB	L:11:MAN:HO6	0.571
16	A:330:ILE:N	I:11:MAN:H61	0.563
16	A:391:ASN:HB3	A:393:GLN:HG3	0.560
16	B:391:ASN:HB3	B:393:GLN:HG3	0.560
16	B:28:ARG:CG	B:28:ARG:HH11	0.558
16	B:107:GLU:C	K:11:MAN:H62	0.557
16	A:28:ARG:CG	A:28:ARG:HH11	0.557
16	A:107:GLU:C	J:11:MAN:H62	0.556
16	A:408:LYS:CA	D:2:NAG:N	0.556
16	B:408:LYS:CA	N:2:NAG:N	0.556
16	A:231:GLU:HB3	I:11:MAN:HO6	0.548
16	B:488:THR:HG22	B:491:ARG:NH2	0.548
16	A:488:THR:HG22	A:491:ARG:NH2	0.547
16	A:109:LEU:H	A:109:LEU:HD12	0.545
16	B:109:LEU:H	B:109:LEU:HD12	0.545
16	B:105:ARG:HG2	B:203:LEU:HB3	0.540
16	A:28:ARG:HA	G:1:NAG:C6	0.537
16	A:359:THR:HG22	A:393:GLN:HG2	0.536
16	B:359:THR:HG22	B:393:GLN:HG2	0.536
16	B:28:ARG:HA	Q:1:NAG:C6	0.535
16	A:413:ASN:ND2	D:1:NAG:O5	0.534
16	B:511:PHE:CB	M:1:NAG:C	0.530

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:231:GLU:CB	I:11:MAN:HO6	0.530
16	A:511:PHE:CB	E:1:NAG:C	0.529
16	A:330:ILE:HB	I:11:MAN:HO2	0.526
16	A:114:ASN:O	J:1:NAG:O6	0.515
16	A:129:THR:HG23	J:2:NAG:CT	0.511
16	B:129:THR:HG23	K:2:NAG:CT	0.511
16	B:114:ASN:O	K:1:NAG:O6	0.511
16	A:31:ASN:HD21	G:1:NAG:C6	0.504
16	B:31:ASN:HD21	Q:1:NAG:C6	0.504
16	A:408:LYS:HE2	D:5:MAN:O6	0.501
16	B:408:LYS:HE2	N:5:MAN:O6	0.501
16	B:511:PHE:CA	M:1:NAG:O	0.500
16	A:511:PHE:CA	E:1:NAG:O	0.499
16	A:499:ASN:N	A:499:ASN:HD22	0.499
16	B:499:ASN:N	B:499:ASN:HD22	0.497
16	A:330:ILE:CD1	I:11:MAN:O2	0.490
16	A:463:ASN:ND2	H:1:NAG:O5	0.490
16	B:463:ASN:ND2	R:1:NAG:O5	0.488
16	A:227:THR:O	I:2:NAG:O	0.487
16	B:423:ILE:HB	B:424:PRO:HD3	0.479
16	A:423:ILE:HB	A:424:PRO:HD3	0.477
16	A:229:TYR:O	I:1:NAG:H4	0.477
16	B:229:TYR:O	L:1:NAG:H4	0.477

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:90:ASN:HD21	Q:5:MAN:C4	0.468
16	B:90:ASN:HD21	G:5:MAN:C4	0.468
16	A:528:PRO:HA	A:529:PRO:HD3	0.457
16	B:406:ASN:CA	N:2:NAG:C	0.455
16	B:528:PRO:HA	B:529:PRO:HD3	0.454
16	A:341:ASN:CB	A:342:PRO:HD3	0.441
16	B:341:ASN:CB	B:342:PRO:HD3	0.441
16	B:33:SER:HB3	B:83:ILE:HD12	0.440
16	A:33:SER:HB3	A:83:ILE:HD12	0.439
16	A:1:ASP:H3	Q:2:NAG:CT	0.439
16	A:485:SER:HA	A:486:PRO:C	0.435
16	B:485:SER:HA	B:486:PRO:C	0.435
16	A:330:ILE:N	I:11:MAN:C6	0.435
16	A:386:LYS:HD2	A:397:ILE:HD11	0.433
16	B:408:LYS:HZ2	N:3:BMA:C1	0.432
16	B:386:LYS:HD2	B:397:ILE:HD11	0.431
16	A:408:LYS:HZ2	D:3:BMA:C1	0.431
16	G:4:MAN:H4	Q:4:MAN:O6	0.431
16	G:4:MAN:O6	Q:4:MAN:H4	0.430
16	B:408:LYS:HG2	N:2:NAG:C4	0.429
16	A:527:ASN:HA	A:528:PRO:C	0.427
16	B:527:ASN:HA	B:528:PRO:C	0.427
16	A:408:LYS:HG2	D:2:NAG:C4	0.424

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:378:LEU:HD12	A:417:LEU:HG	0.421
16	B:378:LEU:HD12	B:417:LEU:HG	0.421
16	A:229:TYR:CB	I:2:NAG:C1	0.421
16	A:28:ARG:NH1	G:2:NAG:O	0.419
16	B:229:TYR:CB	L:2:NAG:C1	0.417
16	B:28:ARG:NH1	Q:2:NAG:O	0.416
16	B:231:GLU:HA	B:328:THR:O	0.413
16	A:231:GLU:HA	A:328:THR:O	0.412
16	B:423:ILE:O	B:425:PRO:HD3	0.412
16	A:423:ILE:O	A:425:PRO:HD3	0.411
16	A:133:ILE:HG22	J:6:MAN:H3	0.407
16	B:408:LYS:NZ	N:3:BMA:C1	0.403
16	A:408:LYS:NZ	D:3:BMA:C1	0.402
16	A:262:ARG:HH12	A:264:SER:HA	0.401
16	B:133:ILE:HG22	K:6:MAN:H3	0.401
16	B:262:ARG:HH12	B:264:SER:HA	0.401
17	B:408:LYS:HZ2	N:3:BMA:C1	1.458
17	A:408:LYS:NZ	D:3:BMA:C1	1.417
17	B:408:LYS:NZ	N:3:BMA:C1	1.415
17	A:408:LYS:HZ2	D:3:BMA:C1	1.412
17	A:408:LYS:HD3	D:2:NAG:C3	1.406
17	B:408:LYS:HD3	N:2:NAG:C3	1.405
17	A:77:ARG:HH12	Q:5:MAN:C1	1.383

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:77:ARG:HH12	G:5:MAN:C1	1.382
17	A:408:LYS:CD	D:2:NAG:H3	1.285
17	B:408:LYS:CD	N:2:NAG:H3	1.283
17	B:109:LEU:HD23	K:3:BMA:C6	1.271
17	A:109:LEU:HD23	J:3:BMA:C6	1.269
17	A:532:ASN:HA	F:1:NAG:C	1.222
17	B:77:ARG:NH1	G:5:MAN:C1	1.168
17	A:77:ARG:NH1	Q:5:MAN:C1	1.168
17	B:408:LYS:NZ	N:3:BMA:H5	1.135
17	A:408:LYS:NZ	D:3:BMA:H5	1.134
17	B:109:LEU:HD23	K:3:BMA:H61	1.130
17	B:488:THR:CB	M:1:NAG:H62	1.127
17	A:109:LEU:HD23	J:3:BMA:H61	1.122
17	B:408:LYS:CG	N:3:BMA:H62	1.115
17	A:408:LYS:CG	D:3:BMA:H62	1.113
17	A:30:LYS:HB2	G:1:NAG:H62	1.099
17	B:30:LYS:HB2	Q:1:NAG:H62	1.095
17	A:77:ARG:HD3	Q:6:MAN:O2	1.093
17	A:77:ARG:CD	Q:6:MAN:O2	1.092
17	B:77:ARG:HD3	G:6:MAN:O2	1.089
17	B:77:ARG:CD	G:6:MAN:O2	1.086
17	B:408:LYS:HG2	N:3:BMA:H62	1.084
17	A:408:LYS:HG2	D:3:BMA:H62	1.078

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:229:TYR:O	I:1:NAG:H62	1.059
17	B:229:TYR:O	L:1:NAG:H62	1.057
17	B:408:LYS:NZ	N:3:BMA:C5	1.057
17	A:408:LYS:NZ	D:3:BMA:C5	1.056
17	A:532:ASN:HA	F:1:NAG:N	1.014
17	B:408:LYS:HZ3	N:3:BMA:H5	1.014
17	A:109:LEU:CD2	J:3:BMA:C6	1.013
17	B:109:LEU:CD2	K:3:BMA:C6	1.012
17	B:109:LEU:HD23	K:3:BMA:H62	0.997
17	A:109:LEU:HD23	J:3:BMA:H62	0.996
17	B:109:LEU:CD2	K:3:BMA:H61	0.995
17	A:109:LEU:CD2	J:3:BMA:H61	0.993
17	B:408:LYS:HZ3	N:3:BMA:C5	0.988
17	A:77:ARG:NH1	Q:6:MAN:O6	0.985
17	B:77:ARG:NH1	G:6:MAN:O6	0.979
17	A:408:LYS:HZ2	D:3:BMA:C5	0.977
17	B:408:LYS:HG2	N:3:BMA:C6	0.947
17	A:408:LYS:HG2	D:3:BMA:C6	0.946
17	B:488:THR:OG1	M:1:NAG:H62	0.929
17	A:30:LYS:HB2	G:1:NAG:C6	0.916
17	B:30:LYS:HB2	Q:1:NAG:C6	0.916
17	A:229:TYR:O	I:1:NAG:C6	0.909
17	A:408:LYS:HD3	D:2:NAG:C2	0.908

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:408:LYS:HD3	N:2:NAG:C2	0.907
17	B:229:TYR:O	L:1:NAG:C6	0.907
17	A:408:LYS:HD3	D:2:NAG:H3	0.905
17	B:408:LYS:HD3	N:2:NAG:H3	0.904
17	A:408:LYS:HZ3	D:3:BMA:H5	0.888
17	A:408:LYS:HZ1	D:3:BMA:C1	0.868
17	B:488:THR:HB	M:1:NAG:H62	0.863
17	B:408:LYS:CG	N:3:BMA:C6	0.852
17	A:408:LYS:CG	D:3:BMA:C6	0.851
17	A:501:ASP:OD2	A:502:PHE:HD2	0.837
17	B:501:ASP:OD2	B:502:PHE:HD2	0.835
17	B:114:ASN:O	K:1:NAG:O6	0.818
17	A:114:ASN:O	J:1:NAG:O6	0.817
17	B:488:THR:CB	M:1:NAG:C6	0.809
17	B:488:THR:HB	M:1:NAG:C6	0.805
17	B:408:LYS:CE	N:3:BMA:H5	0.799
17	B:408:LYS:CD	N:2:NAG:C3	0.799
17	A:408:LYS:CE	D:3:BMA:H5	0.797
17	A:408:LYS:CD	D:2:NAG:C3	0.793
17	A:109:LEU:CD2	J:3:BMA:H62	0.771
17	B:488:THR:HG21	M:1:NAG:O6	0.770
17	B:109:LEU:CD2	K:3:BMA:H62	0.769
17	B:408:LYS:HZ1	N:3:BMA:C1	0.766

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:499:ASN:H	A:499:ASN:HD22	0.765
17	B:499:ASN:HD21	B:502:PHE:HB2	0.764
17	A:499:ASN:HD21	A:502:PHE:HB2	0.763
17	B:499:ASN:H	B:499:ASN:HD22	0.762
17	A:501:ASP:OD2	A:502:PHE:CD2	0.756
17	B:501:ASP:OD2	B:502:PHE:CD2	0.754
17	A:408:LYS:HG2	D:3:BMA:C5	0.729
17	B:408:LYS:HG2	N:3:BMA:C5	0.728
17	A:486:PRO:HG3	E:2:NAG:CT	0.718
17	B:408:LYS:NZ	N:3:BMA:O5	0.717
17	A:408:LYS:HG3	D:3:BMA:H62	0.715
17	B:408:LYS:HG3	N:3:BMA:H62	0.711
17	A:30:LYS:CB	G:1:NAG:H62	0.708
17	B:30:LYS:CB	Q:1:NAG:H62	0.708
17	B:406:ASN:O	N:1:NAG:H62	0.696
17	B:166:ASN:HD22	O:1:NAG:C1	0.696
17	A:166:ASN:HD22	C:1:NAG:C1	0.695
17	A:498:LEU:HB2	A:502:PHE:O	0.691
17	B:498:LEU:HB2	B:502:PHE:O	0.690
17	A:77:ARG:CZ	Q:5:MAN:C1	0.680
17	B:77:ARG:CZ	G:5:MAN:C1	0.680
17	B:499:ASN:N	B:499:ASN:ND2	0.675
17	A:499:ASN:N	A:499:ASN:ND2	0.674

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:499:ASN:H	A:499:ASN:ND2	0.671
17	B:499:ASN:H	B:499:ASN:ND2	0.669
17	A:532:ASN:CA	F:1:NAG:N	0.664
17	A:408:LYS:HB2	D:2:NAG:C1	0.658
17	A:532:ASN:HA	F:1:NAG:O	0.658
17	B:408:LYS:HB2	N:2:NAG:C1	0.657
17	A:408:LYS:CE	D:2:NAG:H3	0.638
17	B:408:LYS:CE	N:2:NAG:H3	0.637
17	A:229:TYR:O	I:1:NAG:O6	0.635
17	B:229:TYR:O	L:1:NAG:O6	0.633
17	B:408:LYS:HG3	N:3:BMA:C6	0.627
17	A:408:LYS:HG3	D:3:BMA:C6	0.626
17	B:488:THR:CG2	M:1:NAG:O6	0.624
17	B:28:ARG:CG	B:28:ARG:HH11	0.614
17	A:28:ARG:CG	A:28:ARG:HH11	0.612
17	B:166:ASN:ND2	O:1:NAG:C1	0.611
17	A:341:ASN:HB3	A:342:PRO:HD3	0.610
17	B:341:ASN:HB3	B:342:PRO:HD3	0.610
17	A:166:ASN:ND2	C:1:NAG:C1	0.610
17	A:408:LYS:HZ3	D:3:BMA:C5	0.599
17	B:408:LYS:HZ3	N:3:BMA:C1	0.599
17	A:409:ASN:HD22	A:410:ASN:H	0.592
17	A:447:LEU:HB3	A:448:PRO:HD3	0.591

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:409:ASN:HD22	B:410:ASN:H	0.591
17	A:408:LYS:HZ3	D:3:BMA:C1	0.589
17	A:408:LYS:CG	D:3:BMA:C5	0.583
17	B:408:LYS:CG	N:3:BMA:C5	0.583
17	A:408:LYS:CG	D:2:NAG:H3	0.575
17	B:408:LYS:CG	N:2:NAG:H3	0.575
17	A:391:ASN:HB3	A:393:GLN:HG3	0.560
17	B:391:ASN:HB3	B:393:GLN:HG3	0.560
17	A:408:LYS:HG2	D:3:BMA:O5	0.559
17	B:408:LYS:HG2	N:3:BMA:O5	0.559
17	B:28:ARG:HG2	B:28:ARG:HH11	0.552
17	A:129:THR:O	J:2:NAG:O	0.552
17	B:129:THR:O	K:2:NAG:O	0.552
17	A:28:ARG:HG2	A:28:ARG:HH11	0.551
17	B:488:THR:HG22	B:491:ARG:NH2	0.548
17	A:488:THR:HG22	A:491:ARG:NH2	0.547
17	A:109:LEU:H	A:109:LEU:HD12	0.545
17	B:109:LEU:H	B:109:LEU:HD12	0.545
17	B:105:ARG:HG2	B:203:LEU:HB3	0.540
17	A:359:THR:HG22	A:393:GLN:HG2	0.536
17	B:359:THR:HG22	B:393:GLN:HG2	0.536
17	B:488:THR:HG21	M:1:NAG:C6	0.525
17	A:73:ARG:CZ	Q:11:MAN:O4	0.519

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:73:ARG:CZ	G:11:MAN:O4	0.519
17	A:499:ASN:N	A:499:ASN:HD22	0.499
17	B:499:ASN:N	B:499:ASN:HD22	0.497
17	B:532:ASN:ND2	P:1:NAG:O5	0.497
17	A:486:PRO:CG	E:2:NAG:CT	0.490
17	B:530:LYS:HD3	P:1:NAG:CT	0.490
17	B:488:THR:CG2	M:1:NAG:C6	0.489
17	B:28:ARG:CG	B:28:ARG:NH1	0.479
17	B:423:ILE:HB	B:424:PRO:HD3	0.479
17	B:408:LYS:HZ2	N:2:NAG:H3	0.479
17	A:28:ARG:CG	A:28:ARG:NH1	0.478
17	A:423:ILE:HB	A:424:PRO:HD3	0.477
17	A:408:LYS:HD3	D:2:NAG:N	0.473
17	B:408:LYS:HD3	N:2:NAG:N	0.473
17	B:488:THR:CG2	M:1:NAG:H62	0.470
17	A:229:TYR:N	I:1:NAG:HO6	0.464
17	B:229:TYR:N	L:1:NAG:HO6	0.464
17	A:91:PRO:HB2	Q:6:MAN:C1	0.459
17	A:528:PRO:HA	A:529:PRO:HD3	0.457
17	B:408:LYS:HZ3	N:3:BMA:C3	0.456
17	B:408:LYS:NZ	N:2:NAG:H3	0.455
17	B:528:PRO:HA	B:529:PRO:HD3	0.454
17	A:408:LYS:NZ	D:2:NAG:H3	0.454

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:341:ASN:CB	A:342:PRO:HD3	0.441
17	B:341:ASN:CB	B:342:PRO:HD3	0.441
17	B:33:SER:HB3	B:83:ILE:HD12	0.440
17	B:408:LYS:HZ3	N:3:BMA:C4	0.440
17	A:33:SER:HB3	A:83:ILE:HD12	0.439
17	R:2:NAG:H5	R:3:BMA:O5	0.439
17	H:2:NAG:H5	H:3:BMA:O5	0.438
17	A:485:SER:HA	A:486:PRO:C	0.435
17	B:485:SER:HA	B:486:PRO:C	0.435
17	A:110:HIS:CE1	J:1:NAG:HO3	0.435
17	A:386:LYS:HD2	A:397:ILE:HD11	0.433
17	B:386:LYS:HD2	B:397:ILE:HD11	0.431
17	A:408:LYS:HZ3	D:3:BMA:C3	0.431
17	A:166:ASN:HB3	C:1:NAG:C1	0.430
17	B:166:ASN:HB3	O:1:NAG:C1	0.430
17	B:408:LYS:CE	N:2:NAG:C3	0.429
17	A:73:ARG:NE	Q:11:MAN:O4	0.428
17	A:527:ASN:HA	A:528:PRO:C	0.427
17	B:527:ASN:HA	B:528:PRO:C	0.427
17	A:408:LYS:CE	D:2:NAG:C3	0.427
17	B:73:ARG:NE	G:11:MAN:O4	0.427
17	A:378:LEU:HD12	A:417:LEU:HG	0.421
17	B:378:LEU:HD12	B:417:LEU:HG	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:110:HIS:CE1	K:1:NAG:HO3	0.416
17	B:231:GLU:HA	B:328:THR:O	0.413
17	A:231:GLU:HA	A:328:THR:O	0.412
17	B:423:ILE:O	B:425:PRO:HD3	0.412
17	A:423:ILE:O	A:425:PRO:HD3	0.411
17	B:488:THR:HG1	M:1:NAG:H62	0.410
17	A:408:LYS:HE2	D:3:BMA:H5	0.403
17	A:262:ARG:HH12	A:264:SER:HA	0.401
17	B:262:ARG:HH12	B:264:SER:HA	0.401
17	B:408:LYS:NZ	N:2:NAG:C3	0.401
17	A:408:LYS:NZ	D:2:NAG:C3	0.400
18	A:129:THR:O	J:2:NAG:CT	1.409
18	B:129:THR:O	K:2:NAG:CT	1.408
18	A:459:PRO:CG	H:11:MAN:O6	1.334
18	B:459:PRO:CG	R:11:MAN:O6	1.331
18	B:456:THR:CG2	R:10:MAN:O6	1.259
18	A:456:THR:CG2	H:10:MAN:O6	1.258
18	B:512:GLU:N	M:2:NAG:O6	1.227
18	A:512:GLU:N	E:2:NAG:O6	1.224
18	A:231:GLU:OE2	I:5:MAN:O6	1.200
18	B:231:GLU:OE2	L:5:MAN:O6	1.198
18	B:408:LYS:HD3	N:2:NAG:H3	1.176
18	A:408:LYS:HD3	D:2:NAG:H3	1.175

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:456:THR:HG21	R:10:MAN:O6	1.168
18	A:456:THR:HG21	H:10:MAN:O6	1.167
18	A:458:GLU:HG3	H:11:MAN:C5	1.153
18	A:459:PRO:HG2	H:11:MAN:O6	1.153
18	B:458:GLU:HG3	R:11:MAN:C5	1.153
18	B:459:PRO:HG2	R:11:MAN:O6	1.147
18	A:459:PRO:CD	H:11:MAN:O6	1.126
18	B:459:PRO:CD	R:11:MAN:O6	1.125
18	B:458:GLU:CG	R:11:MAN:H5	1.115
18	A:458:GLU:CG	H:11:MAN:H5	1.113
18	B:456:THR:HG21	R:10:MAN:C6	1.102
18	A:456:THR:HG21	H:10:MAN:C6	1.100
18	B:239:VAL:CG1	L:11:MAN:H61	1.044
18	B:239:VAL:HG11	L:11:MAN:H61	1.025
18	B:239:VAL:HG22	L:11:MAN:H4	0.976
18	A:456:THR:HG21	H:10:MAN:HO6	0.940
18	B:239:VAL:HG11	L:11:MAN:C6	0.937
18	B:31:ASN:HB3	Q:1:NAG:N	0.908
18	B:459:PRO:HG2	R:11:MAN:HO6	0.906
18	B:239:VAL:CG2	L:11:MAN:H61	0.889
18	A:459:PRO:CB	H:11:MAN:O6	0.860
18	B:459:PRO:CB	R:11:MAN:O6	0.858
18	A:458:GLU:N	H:11:MAN:O3	0.855

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:458:GLU:N	R:11:MAN:O3	0.855
18	B:31:ASN:N	Q:1:NAG:C1	0.842
18	B:239:VAL:HG21	L:11:MAN:H61	0.839
18	A:501:ASP:OD2	A:502:PHE:HD2	0.837
18	A:458:GLU:CA	H:11:MAN:O3	0.837
18	B:501:ASP:OD2	B:502:PHE:HD2	0.835
18	B:458:GLU:CA	R:11:MAN:O3	0.833
18	A:408:LYS:CD	D:2:NAG:H3	0.816
18	B:408:LYS:CD	N:2:NAG:H3	0.814
18	B:239:VAL:CG1	L:11:MAN:C6	0.803
18	A:458:GLU:HG3	H:11:MAN:H5	0.786
18	B:458:GLU:HG3	R:11:MAN:H5	0.782
18	A:499:ASN:H	A:499:ASN:HD22	0.765
18	B:499:ASN:HD21	B:502:PHE:HB2	0.764
18	A:499:ASN:HD21	A:502:PHE:HB2	0.763
18	B:499:ASN:H	B:499:ASN:HD22	0.762
18	A:501:ASP:OD2	A:502:PHE:CD2	0.756
18	A:512:GLU:HB3	E:4:MAN:O6	0.755
18	B:501:ASP:OD2	B:502:PHE:CD2	0.754
18	A:458:GLU:CG	H:11:MAN:C5	0.753
18	B:512:GLU:HB3	M:4:MAN:O6	0.753
18	B:458:GLU:CG	R:11:MAN:C5	0.749
18	A:459:PRO:HG2	H:11:MAN:HO6	0.745

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:114:ASN:O	J:1:NAG:O6	0.735
18	B:114:ASN:O	K:1:NAG:O6	0.733
18	A:532:ASN:ND2	F:1:NAG:C5	0.722
18	B:532:ASN:ND2	P:1:NAG:C5	0.722
18	B:512:GLU:N	M:2:NAG:C6	0.709
18	A:512:GLU:N	E:2:NAG:C6	0.708
18	B:445:GLN:CD	P:1:NAG:H61	0.696
18	A:445:GLN:CD	F:1:NAG:H61	0.691
18	A:498:LEU:HB2	A:502:PHE:O	0.691
18	B:498:LEU:HB2	B:502:PHE:O	0.690
18	B:30:LYS:C	Q:1:NAG:C1	0.688
18	B:129:THR:C	K:2:NAG:CT	0.685
18	A:129:THR:C	J:2:NAG:CT	0.683
18	A:129:THR:HG23	J:2:NAG:O	0.680
18	B:129:THR:HG23	K:2:NAG:O	0.679
18	B:499:ASN:N	B:499:ASN:ND2	0.675
18	A:511:PHE:CB	E:1:NAG:O	0.674
18	A:499:ASN:N	A:499:ASN:ND2	0.674
18	B:511:PHE:CB	M:1:NAG:O	0.673
18	A:499:ASN:H	A:499:ASN:ND2	0.671
18	B:499:ASN:H	B:499:ASN:ND2	0.669
18	B:239:VAL:HG22	L:11:MAN:C4	0.663
18	B:456:THR:CB	R:10:MAN:O6	0.660

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:456:THR:CB	H:10:MAN:O6	0.659
18	A:408:LYS:HG2	D:3:BMA:C6	0.653
18	A:459:PRO:HB2	H:11:MAN:O6	0.652
18	B:408:LYS:HG2	N:3:BMA:C6	0.651
18	B:459:PRO:HB2	R:11:MAN:O6	0.651
18	A:513:ALA:O	E:3:BMA:H2	0.645
18	B:513:ALA:O	M:3:BMA:H2	0.645
18	A:512:GLU:CA	E:2:NAG:O6	0.644
18	B:512:GLU:CA	M:2:NAG:O6	0.642
18	A:166:ASN:ND2	C:1:NAG:C1	0.636
18	B:166:ASN:ND2	O:1:NAG:C1	0.636
18	B:31:ASN:CB	Q:1:NAG:N	0.628
18	A:532:ASN:ND2	F:1:NAG:O5	0.626
18	B:532:ASN:ND2	P:1:NAG:O5	0.626
18	A:408:LYS:HD2	D:2:NAG:O	0.624
18	B:408:LYS:HD2	N:2:NAG:O	0.623
18	B:239:VAL:HG13	L:11:MAN:O5	0.620
18	B:28:ARG:CG	B:28:ARG:HH11	0.614
18	A:229:TYR:O	I:1:NAG:H62	0.614
18	B:229:TYR:O	L:1:NAG:H62	0.614
18	A:28:ARG:CG	A:28:ARG:HH11	0.612
18	A:341:ASN:HB3	A:342:PRO:HD3	0.610
18	B:341:ASN:HB3	B:342:PRO:HD3	0.610

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:30:LYS:HB2	Q:1:NAG:C1	0.606
18	A:231:GLU:OE1	I:3:BMA:O4	0.604
18	B:231:GLU:OE1	L:3:BMA:O4	0.602
18	B:532:ASN:ND2	P:1:NAG:O6	0.601
18	A:532:ASN:ND2	F:1:NAG:O6	0.600
18	A:445:GLN:CD	F:1:NAG:C6	0.597
18	B:445:GLN:CD	P:1:NAG:C6	0.597
18	A:31:ASN:CB	G:1:NAG:N	0.596
18	B:239:VAL:CB	L:11:MAN:H61	0.596
18	A:409:ASN:HD22	A:410:ASN:H	0.592
18	A:447:LEU:HB3	A:448:PRO:HD3	0.591
18	B:409:ASN:HD22	B:410:ASN:H	0.591
18	B:408:LYS:CD	N:2:NAG:O	0.589
18	A:31:ASN:HB3	G:1:NAG:N	0.588
18	A:408:LYS:CD	D:2:NAG:O	0.588
18	A:408:LYS:HD3	D:2:NAG:C3	0.587
18	B:408:LYS:HD3	N:2:NAG:C3	0.586
18	A:456:THR:CG2	H:10:MAN:C6	0.580
18	B:456:THR:CG2	R:10:MAN:C6	0.579
18	B:239:VAL:HG21	L:11:MAN:C6	0.576
18	A:512:GLU:CB	E:4:MAN:O6	0.563
18	B:512:GLU:CB	M:4:MAN:O6	0.563
18	A:391:ASN:HB3	A:393:GLN:HG3	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:391:ASN:HB3	B:393:GLN:HG3	0.560
18	A:512:GLU:C	E:2:NAG:O6	0.557
18	B:239:VAL:HG11	L:11:MAN:O6	0.557
18	B:512:GLU:C	M:2:NAG:O6	0.557
18	A:458:GLU:HG3	H:11:MAN:C4	0.556
18	B:28:ARG:HG2	B:28:ARG:HH11	0.552
18	A:28:ARG:HG2	A:28:ARG:HH11	0.551
18	B:488:THR:HG22	B:491:ARG:NH2	0.548
18	A:488:THR:HG22	A:491:ARG:NH2	0.547
18	B:30:LYS:CB	Q:1:NAG:C1	0.547
18	A:109:LEU:H	A:109:LEU:HD12	0.545
18	B:109:LEU:H	B:109:LEU:HD12	0.545
18	B:512:GLU:O	M:2:NAG:O6	0.544
18	A:512:GLU:O	E:2:NAG:O6	0.543
18	B:105:ARG:HG2	B:203:LEU:HB3	0.540
18	B:408:LYS:HG2	N:3:BMA:H62	0.537
18	A:359:THR:HG22	A:393:GLN:HG2	0.536
18	A:408:LYS:HG2	D:3:BMA:H62	0.536
18	B:359:THR:HG22	B:393:GLN:HG2	0.536
18	A:458:GLU:CB	H:11:MAN:H3	0.522
18	B:458:GLU:CB	R:11:MAN:H3	0.520
18	B:236:ARG:NH1	L:11:MAN:H62	0.517
18	A:236:ARG:NH1	I:11:MAN:H62	0.516

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:445:GLN:OE1	F:1:NAG:O6	0.514
18	A:456:THR:CG2	H:10:MAN:H4	0.513
18	B:456:THR:CG2	R:10:MAN:H4	0.512
18	B:445:GLN:OE1	P:1:NAG:O6	0.512
18	A:123:PRO:HB2	C:11:MAN:H2	0.509
18	B:123:PRO:HB2	O:11:MAN:H2	0.508
18	B:406:ASN:O	N:1:NAG:O6	0.508
18	B:512:GLU:HB3	M:4:MAN:HO6	0.501
18	A:512:GLU:HB3	E:4:MAN:HO6	0.499
18	A:499:ASN:N	A:499:ASN:HD22	0.499
18	B:499:ASN:N	B:499:ASN:HD22	0.497
18	B:532:ASN:HD21	P:1:NAG:C5	0.487
18	A:532:ASN:CG	F:1:NAG:C1	0.486
18	B:532:ASN:CG	P:1:NAG:C1	0.485
18	A:532:ASN:HD21	F:1:NAG:C5	0.484
18	B:243:ASN:HD22	L:1:NAG:C1	0.482
18	A:243:ASN:HD22	I:1:NAG:C1	0.481
18	B:28:ARG:CG	B:28:ARG:NH1	0.479
18	B:423:ILE:HB	B:424:PRO:HD3	0.479
18	A:28:ARG:CG	A:28:ARG:NH1	0.478
18	A:423:ILE:HB	A:424:PRO:HD3	0.477
18	B:239:VAL:HG13	L:11:MAN:C5	0.477
18	B:165:ASN:ND2	O:1:NAG:H61	0.470

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:165:ASN:ND2	C:1:NAG:H61	0.468
18	B:239:VAL:CG2	L:11:MAN:C6	0.467
18	A:532:ASN:ND2	F:1:NAG:C6	0.465
18	B:532:ASN:ND2	P:1:NAG:C6	0.465
18	A:532:ASN:ND2	F:1:NAG:H5	0.460
18	B:532:ASN:ND2	P:1:NAG:H5	0.459
18	A:528:PRO:HA	A:529:PRO:HD3	0.457
18	A:512:GLU:OE1	E:4:MAN:O6	0.457
18	B:528:PRO:HA	B:529:PRO:HD3	0.454
18	B:512:GLU:OE1	M:4:MAN:O6	0.453
18	A:77:ARG:HH21	A:91:PRO:HB2	0.451
18	B:532:ASN:HD21	P:1:NAG:C6	0.450
18	A:532:ASN:HD21	F:1:NAG:C6	0.449
18	A:341:ASN:CB	A:342:PRO:HD3	0.441
18	B:341:ASN:CB	B:342:PRO:HD3	0.441
18	B:33:SER:HB3	B:83:ILE:HD12	0.440
18	A:33:SER:HB3	A:83:ILE:HD12	0.439
18	B:458:GLU:HG3	R:11:MAN:C4	0.439
18	A:166:ASN:CG	C:1:NAG:C1	0.437
18	B:166:ASN:CG	O:1:NAG:C1	0.437
18	A:408:LYS:CE	D:2:NAG:H3	0.436
18	B:408:LYS:CE	N:2:NAG:H3	0.436
18	A:456:THR:CG2	H:10:MAN:HO6	0.436

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:458:GLU:CG	H:11:MAN:C4	0.435
18	A:485:SER:HA	A:486:PRO:C	0.435
18	B:485:SER:HA	B:486:PRO:C	0.435
18	A:386:LYS:HD2	A:397:ILE:HD11	0.433
18	B:458:GLU:CG	R:11:MAN:C4	0.433
18	A:512:GLU:CB	E:4:MAN:HO6	0.432
18	B:386:LYS:HD2	B:397:ILE:HD11	0.431
18	B:512:GLU:CB	M:4:MAN:HO6	0.431
18	A:527:ASN:HA	A:528:PRO:C	0.427
18	B:527:ASN:HA	B:528:PRO:C	0.427
18	A:378:LEU:HD12	A:417:LEU:HG	0.421
18	B:378:LEU:HD12	B:417:LEU:HG	0.421
18	A:122:LYS:HD2	C:11:MAN:H4	0.420
18	A:243:ASN:ND2	I:1:NAG:C1	0.420
18	B:243:ASN:ND2	L:1:NAG:C1	0.419
18	B:122:LYS:HD2	O:11:MAN:H4	0.418
18	B:231:GLU:HA	B:328:THR:O	0.413
18	A:231:GLU:HA	A:328:THR:O	0.412
18	B:423:ILE:O	B:425:PRO:HD3	0.412
18	A:423:ILE:O	A:425:PRO:HD3	0.411
18	A:165:ASN:ND2	C:1:NAG:C6	0.411
18	B:165:ASN:ND2	O:1:NAG:C6	0.411
18	A:262:ARG:HH12	A:264:SER:HA	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:262:ARG:HH12	B:264:SER:HA	0.401
19	A:488:THR:CG2	E:2:NAG:C1	1.637
19	B:488:THR:CG2	M:2:NAG:C1	1.635
19	A:488:THR:HG21	E:2:NAG:C1	1.633
19	B:488:THR:HG21	M:2:NAG:C1	1.627
19	A:488:THR:HB	E:1:NAG:C4	1.531
19	B:488:THR:HB	M:1:NAG:C4	1.526
19	A:486:PRO:HG2	E:2:NAG:CT	1.467
19	B:486:PRO:HG2	M:2:NAG:CT	1.464
19	B:166:ASN:HD22	O:1:NAG:C5	1.441
19	A:166:ASN:HD22	C:1:NAG:C5	1.439
19	B:488:THR:CB	M:2:NAG:C1	1.426
19	A:488:THR:CB	E:2:NAG:C1	1.422
19	A:408:LYS:HB2	D:2:NAG:C1	1.410
19	B:408:LYS:HB2	N:2:NAG:C1	1.410
19	A:517:GLU:CB	F:10:MAN:O4	1.409
19	B:517:GLU:CB	P:10:MAN:O4	1.407
19	B:535:ILE:HG21	P:10:MAN:C3	1.389
19	A:535:ILE:HG21	F:10:MAN:C3	1.388
19	A:537:ARG:NH2	F:7:MAN:C2	1.374
19	B:537:ARG:NH2	P:7:MAN:C2	1.372
19	A:535:ILE:CD1	F:10:MAN:H2	1.368
19	B:535:ILE:CD1	P:10:MAN:H2	1.364

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:535:ILE:HG13	F:2:NAG:CT	1.339
19	B:535:ILE:HG13	P:2:NAG:CT	1.336
19	A:28:ARG:HG2	G:2:NAG:O	1.279
19	B:28:ARG:HG2	Q:2:NAG:O	1.273
19	B:408:LYS:HG2	N:3:BMA:O5	1.272
19	A:408:LYS:HG2	D:3:BMA:O5	1.271
19	A:537:ARG:HH22	F:7:MAN:C2	1.259
19	B:535:ILE:CG2	P:10:MAN:C3	1.257
19	B:537:ARG:HH22	P:7:MAN:C2	1.256
19	A:535:ILE:CG2	F:10:MAN:C3	1.252
19	A:166:ASN:ND2	C:1:NAG:C5	1.248
19	B:166:ASN:ND2	O:1:NAG:C5	1.246
19	A:517:GLU:HB2	F:10:MAN:C4	1.229
19	B:517:GLU:HB2	P:10:MAN:C4	1.229
19	A:408:LYS:CG	D:3:BMA:O5	1.226
19	B:408:LYS:CG	N:3:BMA:O5	1.226
19	A:408:LYS:HG3	D:3:BMA:C5	1.218
19	A:486:PRO:CG	E:2:NAG:CT	1.217
19	B:408:LYS:HG3	N:3:BMA:C5	1.216
19	B:486:PRO:CG	M:2:NAG:CT	1.215
19	A:90:ASN:ND2	Q:6:MAN:O4	1.204
19	B:90:ASN:ND2	G:6:MAN:O4	1.203
19	A:488:THR:HB	E:1:NAG:H4	1.187

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:488:THR:HB	M:1:NAG:H4	1.179
19	A:537:ARG:CZ	F:7:MAN:O2	1.178
19	B:537:ARG:CZ	P:7:MAN:O2	1.176
19	A:408:LYS:HB2	D:2:NAG:C2	1.153
19	B:408:LYS:HB2	N:2:NAG:C2	1.151
19	A:485:SER:HB2	E:8:MAN:H61	1.137
19	B:535:ILE:HG21	P:10:MAN:C4	1.136
19	A:535:ILE:HG21	F:10:MAN:C4	1.135
19	A:535:ILE:HG21	F:10:MAN:H3	1.135
19	B:485:SER:HB2	M:8:MAN:H61	1.130
19	B:535:ILE:HG21	P:10:MAN:H3	1.128
19	B:148:ARG:HB3	O:1:NAG:C	1.121
19	B:408:LYS:CG	N:3:BMA:C1	1.121
19	A:148:ARG:HB3	C:1:NAG:C	1.120
19	A:408:LYS:CG	D:3:BMA:C1	1.120
19	B:406:ASN:HA	N:2:NAG:O	1.110
19	A:488:THR:CB	E:1:NAG:C4	1.109
19	A:166:ASN:HD22	C:1:NAG:H5	1.109
19	B:488:THR:CB	M:1:NAG:C4	1.108
19	B:166:ASN:HD22	O:1:NAG:H5	1.106
19	A:408:LYS:HG2	D:3:BMA:C1	1.100
19	B:408:LYS:HG2	N:3:BMA:C1	1.100
19	A:408:LYS:N	D:2:NAG:N	1.099

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:408:LYS:N	N:2:NAG:N	1.098
19	B:535:ILE:HD13	P:10:MAN:C2	1.086
19	A:535:ILE:HD13	F:10:MAN:C2	1.079
19	B:535:ILE:HD11	P:10:MAN:H2	1.075
19	A:535:ILE:CG1	F:2:NAG:CT	1.069
19	A:535:ILE:HD11	F:10:MAN:H2	1.067
19	B:535:ILE:CG1	P:2:NAG:CT	1.067
19	B:535:ILE:CD1	P:10:MAN:C2	1.055
19	A:535:ILE:CD1	F:10:MAN:C2	1.051
19	B:488:THR:HB	M:1:NAG:O4	1.051
19	A:488:THR:HB	E:1:NAG:O4	1.050
19	B:166:ASN:ND2	O:1:NAG:H5	1.050
19	A:166:ASN:ND2	C:1:NAG:H5	1.047
19	A:240:ILE:CD1	I:1:NAG:CT	1.046
19	B:240:ILE:CD1	L:1:NAG:CT	1.044
19	B:537:ARG:HH12	P:7:MAN:H4	1.034
19	A:537:ARG:HH12	F:7:MAN:H4	1.032
19	A:148:ARG:CB	C:1:NAG:C	1.022
19	B:148:ARG:CB	O:1:NAG:C	1.020
19	A:166:ASN:ND2	C:1:NAG:C6	0.994
19	B:166:ASN:ND2	O:1:NAG:C6	0.993
19	A:535:ILE:CG2	F:10:MAN:O4	0.987
19	B:535:ILE:CG2	P:10:MAN:O4	0.985

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:166:ASN:ND2	O:1:NAG:O6	0.982
19	A:166:ASN:ND2	C:1:NAG:O6	0.981
19	A:488:THR:CB	E:1:NAG:O4	0.980
19	B:488:THR:CB	M:1:NAG:O4	0.977
19	B:28:ARG:HA	Q:1:NAG:O6	0.971
19	A:28:ARG:HA	G:1:NAG:O6	0.970
19	B:406:ASN:CA	N:2:NAG:O	0.955
19	A:408:LYS:CB	D:2:NAG:C1	0.954
19	B:408:LYS:CB	N:2:NAG:C1	0.953
19	A:488:THR:HG21	E:2:NAG:O5	0.950
19	B:488:THR:HG21	M:2:NAG:O5	0.950
19	B:488:THR:HB	M:1:NAG:C5	0.948
19	A:488:THR:HB	E:1:NAG:C5	0.947
19	A:110:HIS:NE2	J:2:NAG:N	0.942
19	B:110:HIS:NE2	K:2:NAG:N	0.941
19	B:408:LYS:HG3	N:3:BMA:H5	0.934
19	A:408:LYS:HG3	D:3:BMA:H5	0.931
19	A:535:ILE:HD13	F:10:MAN:H2	0.930
19	A:535:ILE:CG2	F:10:MAN:C4	0.926
19	A:408:LYS:CG	D:3:BMA:C5	0.924
19	B:408:LYS:CG	N:3:BMA:C5	0.923
19	B:535:ILE:CG2	P:10:MAN:C4	0.923
19	B:535:ILE:HD13	P:10:MAN:H2	0.922

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:488:THR:HG21	M:2:NAG:C5	0.920
19	A:488:THR:HG21	E:2:NAG:C5	0.919
19	A:277:ASP:OD2	I:2:NAG:O	0.899
19	B:277:ASP:OD2	L:2:NAG:O	0.899
19	A:537:ARG:NH1	F:7:MAN:H4	0.889
19	B:537:ARG:NH1	P:7:MAN:H4	0.887
19	A:148:ARG:CB	C:1:NAG:CT	0.879
19	B:148:ARG:CB	O:1:NAG:CT	0.878
19	B:517:GLU:HB2	P:10:MAN:O4	0.864
19	A:517:GLU:HB2	F:10:MAN:O4	0.863
19	A:535:ILE:CD1	F:2:NAG:CT	0.861
19	B:535:ILE:CD1	P:2:NAG:CT	0.861
19	A:166:ASN:HB3	C:1:NAG:C1	0.853
19	B:166:ASN:HB3	O:1:NAG:C1	0.852
19	A:535:ILE:HG21	F:10:MAN:O4	0.848
19	A:408:LYS:HG2	D:2:NAG:H5	0.846
19	B:535:ILE:HG21	P:10:MAN:O4	0.846
19	A:148:ARG:HB2	C:1:NAG:CT	0.845
19	B:148:ARG:HB2	O:1:NAG:CT	0.845
19	B:408:LYS:HG2	N:2:NAG:H5	0.843
19	B:408:LYS:CB	N:2:NAG:C2	0.843
19	A:408:LYS:CB	D:2:NAG:C2	0.839
19	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:31:ASN:HD21	Q:1:NAG:H5	0.836
19	B:501:ASP:OD2	B:502:PHE:HD2	0.835
19	A:31:ASN:HD21	G:1:NAG:H5	0.834
19	A:485:SER:HB2	E:8:MAN:C6	0.816
19	B:485:SER:HB2	M:8:MAN:C6	0.814
19	A:488:THR:CB	E:1:NAG:H4	0.803
19	B:488:THR:CB	M:1:NAG:H4	0.799
19	A:28:ARG:CG	G:2:NAG:O	0.794
19	B:28:ARG:CG	Q:2:NAG:O	0.792
19	B:488:THR:HG21	M:2:NAG:C2	0.780
19	B:166:ASN:CB	O:1:NAG:C1	0.768
19	A:166:ASN:CB	C:1:NAG:C1	0.767
19	A:499:ASN:H	A:499:ASN:HD22	0.765
19	B:499:ASN:HD21	B:502:PHE:HB2	0.764
19	A:499:ASN:HD21	A:502:PHE:HB2	0.763
19	B:499:ASN:H	B:499:ASN:HD22	0.762
19	A:488:THR:CG2	E:2:NAG:C2	0.759
19	B:488:THR:CG2	M:2:NAG:C2	0.759
19	A:240:ILE:HD12	I:1:NAG:CT	0.758
19	B:488:THR:HG21	M:2:NAG:H5	0.758
19	A:501:ASP:OD2	A:502:PHE:CD2	0.756
19	B:240:ILE:HD12	L:1:NAG:CT	0.756
19	A:488:THR:HG21	E:2:NAG:H5	0.755

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:501:ASP:OD2	B:502:PHE:CD2	0.754
19	A:31:ASN:HD21	G:1:NAG:C5	0.745
19	B:31:ASN:HD21	Q:1:NAG:C5	0.744
19	A:517:GLU:CB	F:10:MAN:C4	0.741
19	B:517:GLU:CB	P:10:MAN:C4	0.736
19	B:28:ARG:CA	Q:1:NAG:O6	0.716
19	A:28:ARG:CA	G:1:NAG:O6	0.715
19	A:488:THR:HG21	E:2:NAG:C2	0.706
19	A:515:ILE:CD1	F:9:MAN:O2	0.706
19	B:515:ILE:CD1	P:9:MAN:O2	0.706
19	A:166:ASN:ND2	C:1:NAG:O5	0.706
19	B:166:ASN:ND2	O:1:NAG:O5	0.706
19	B:166:ASN:HD21	O:1:NAG:C6	0.703
19	A:166:ASN:HD21	C:1:NAG:C6	0.701
19	A:90:ASN:CG	Q:6:MAN:O4	0.693
19	B:90:ASN:CG	G:6:MAN:O4	0.693
19	A:532:ASN:ND2	F:1:NAG:O6	0.693
19	B:532:ASN:ND2	P:1:NAG:O6	0.692
19	A:498:LEU:HB2	A:502:PHE:O	0.691
19	B:498:LEU:HB2	B:502:PHE:O	0.690
19	A:537:ARG:NH2	F:7:MAN:C3	0.689
19	B:537:ARG:NH2	P:7:MAN:C3	0.689
19	A:90:ASN:HD21	Q:6:MAN:C4	0.680

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:90:ASN:HD21	G:6:MAN:C4	0.678
19	B:499:ASN:N	B:499:ASN:ND2	0.675
19	A:499:ASN:N	A:499:ASN:ND2	0.674
19	A:499:ASN:H	A:499:ASN:ND2	0.671
19	B:499:ASN:H	B:499:ASN:ND2	0.669
19	B:488:THR:HB	M:2:NAG:C1	0.657
19	A:405:PRO:O	D:2:NAG:O3	0.650
19	B:405:PRO:O	N:2:NAG:O3	0.650
19	A:408:LYS:HG3	D:3:BMA:C6	0.639
19	B:408:LYS:HG3	N:3:BMA:C6	0.639
19	A:537:ARG:NH2	F:7:MAN:O2	0.637
19	B:537:ARG:NH2	P:7:MAN:O2	0.635
19	A:408:LYS:HB2	D:2:NAG:N	0.626
19	B:408:LYS:HB2	N:2:NAG:N	0.626
19	B:405:PRO:O	N:2:NAG:O	0.626
19	A:405:PRO:O	D:2:NAG:O	0.624
19	A:486:PRO:HG3	E:2:NAG:CT	0.615
19	B:486:PRO:HG3	M:2:NAG:CT	0.615
19	B:28:ARG:CG	B:28:ARG:HH11	0.614
19	B:405:PRO:C	N:2:NAG:C	0.614
19	A:405:PRO:C	D:2:NAG:C	0.613
19	A:28:ARG:CG	A:28:ARG:HH11	0.612
19	A:491:ARG:HH21	E:1:NAG:H4	0.612

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:341:ASN:HB3	A:342:PRO:HD3	0.610
19	B:341:ASN:HB3	B:342:PRO:HD3	0.610
19	B:491:ARG:HH21	M:1:NAG:H4	0.609
19	B:90:ASN:ND2	G:6:MAN:H62	0.607
19	A:240:ILE:HD13	I:1:NAG:CT	0.607
19	A:90:ASN:ND2	Q:6:MAN:H62	0.607
19	B:488:THR:OG1	M:1:NAG:O4	0.607
19	A:166:ASN:HD22	C:1:NAG:C1	0.606
19	B:166:ASN:HD22	O:1:NAG:C1	0.606
19	A:488:THR:OG1	E:1:NAG:O4	0.605
19	B:240:ILE:HD13	L:1:NAG:CT	0.603
19	A:148:ARG:HB3	C:1:NAG:N	0.601
19	B:148:ARG:HB3	O:1:NAG:N	0.601
19	B:535:ILE:HD11	P:2:NAG:CT	0.599
19	A:460:ASN:OD1	H:1:NAG:CT	0.599
19	A:535:ILE:HD11	F:2:NAG:CT	0.598
19	B:460:ASN:OD1	R:1:NAG:CT	0.598
19	B:408:LYS:CG	N:2:NAG:H5	0.597
19	A:408:LYS:CG	D:2:NAG:H5	0.595
19	A:409:ASN:HD22	A:410:ASN:H	0.592
19	A:447:LEU:HB3	A:448:PRO:HD3	0.591
19	B:409:ASN:HD22	B:410:ASN:H	0.591
19	B:535:ILE:HG23	P:10:MAN:C4	0.579

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:535:ILE:HG23	F:10:MAN:C4	0.578
19	A:515:ILE:HD11	F:9:MAN:O2	0.575
19	B:515:ILE:HD11	P:9:MAN:O2	0.575
19	A:486:PRO:CB	E:2:NAG:CT	0.574
19	A:166:ASN:HB3	C:1:NAG:O5	0.572
19	B:486:PRO:CB	M:2:NAG:CT	0.572
19	B:166:ASN:HB3	O:1:NAG:O5	0.571
19	A:488:THR:HB	E:2:NAG:C1	0.567
19	A:391:ASN:HB3	A:393:GLN:HG3	0.560
19	B:391:ASN:HB3	B:393:GLN:HG3	0.560
19	B:28:ARG:HG2	B:28:ARG:HH11	0.552
19	A:28:ARG:HG2	A:28:ARG:HH11	0.551
19	A:31:ASN:ND2	G:1:NAG:C5	0.549
19	B:488:THR:HG22	B:491:ARG:NH2	0.548
19	A:488:THR:HG22	A:491:ARG:NH2	0.547
19	A:30:LYS:HB2	G:1:NAG:H61	0.546
19	A:413:ASN:HB2	D:1:NAG:C1	0.546
19	A:533:ILE:O	F:2:NAG:CT	0.546
19	B:533:ILE:O	P:2:NAG:CT	0.546
19	A:109:LEU:H	A:109:LEU:HD12	0.545
19	B:30:LYS:HB2	Q:1:NAG:H61	0.545
19	B:109:LEU:H	B:109:LEU:HD12	0.545
19	B:31:ASN:ND2	Q:1:NAG:C5	0.545

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:110:HIS:CD2	J:2:NAG:CT	0.543
19	B:110:HIS:CD2	K:2:NAG:CT	0.542
19	B:105:ARG:HG2	B:203:LEU:HB3	0.540
19	A:359:THR:HG22	A:393:GLN:HG2	0.536
19	B:359:THR:HG22	B:393:GLN:HG2	0.536
19	A:517:GLU:CG	F:10:MAN:C4	0.522
19	B:517:GLU:CG	P:10:MAN:C4	0.520
19	B:488:THR:CG2	M:2:NAG:H5	0.519
19	A:488:THR:CG2	E:2:NAG:H5	0.517
19	A:405:PRO:O	D:2:NAG:C	0.516
19	B:405:PRO:O	N:2:NAG:C	0.514
19	A:90:ASN:HD21	Q:6:MAN:C5	0.510
19	B:90:ASN:HD21	G:6:MAN:C5	0.509
19	A:499:ASN:N	A:499:ASN:HD22	0.499
19	A:537:ARG:HH22	F:7:MAN:C3	0.499
19	B:499:ASN:N	B:499:ASN:HD22	0.497
19	B:537:ARG:HH22	P:7:MAN:C3	0.495
19	B:537:ARG:HH22	P:7:MAN:HO2	0.494
19	A:537:ARG:CZ	F:7:MAN:HO2	0.492
19	B:28:ARG:CG	B:28:ARG:NH1	0.479
19	B:423:ILE:HB	B:424:PRO:HD3	0.479
19	A:28:ARG:CG	A:28:ARG:NH1	0.478
19	B:537:ARG:CZ	P:7:MAN:HO2	0.478

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:423:ILE:HB	A:424:PRO:HD3	0.477
19	A:537:ARG:CZ	F:7:MAN:H4	0.473
19	B:537:ARG:CZ	P:7:MAN:H4	0.472
19	B:408:LYS:CB	N:2:NAG:N	0.470
19	A:408:LYS:CB	D:2:NAG:N	0.469
19	A:517:GLU:CA	F:10:MAN:O4	0.467
19	B:517:GLU:CA	P:10:MAN:O4	0.466
19	A:537:ARG:HH22	F:7:MAN:HO2	0.461
19	A:528:PRO:HA	A:529:PRO:HD3	0.457
19	A:517:GLU:HG3	F:10:MAN:H61	0.456
19	B:537:ARG:NH2	P:7:MAN:HO2	0.456
19	A:166:ASN:HB2	C:1:NAG:C1	0.455
19	B:166:ASN:HB2	O:1:NAG:C1	0.455
19	B:528:PRO:HA	B:529:PRO:HD3	0.454
19	A:77:ARG:HH21	A:91:PRO:HB2	0.451
19	B:517:GLU:HG3	P:10:MAN:H61	0.450
19	A:110:HIS:NE2	J:2:NAG:C1	0.445
19	B:110:HIS:NE2	K:2:NAG:C1	0.445
19	B:488:THR:HG21	M:2:NAG:C3	0.444
19	A:488:THR:HG21	E:2:NAG:C3	0.443
19	A:408:LYS:CA	D:2:NAG:N	0.443
19	A:341:ASN:CB	A:342:PRO:HD3	0.441
19	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:537:ARG:NH2	F:7:MAN:HO2	0.441
19	B:408:LYS:CA	N:2:NAG:N	0.441
19	B:33:SER:HB3	B:83:ILE:HD12	0.440
19	A:33:SER:HB3	A:83:ILE:HD12	0.439
19	A:485:SER:HA	A:486:PRO:C	0.435
19	B:485:SER:HA	B:486:PRO:C	0.435
19	A:408:LYS:CB	D:2:NAG:H5	0.434
19	A:386:LYS:HD2	A:397:ILE:HD11	0.433
19	B:408:LYS:CB	N:2:NAG:H5	0.433
19	B:386:LYS:HD2	B:397:ILE:HD11	0.431
19	B:408:LYS:CG	N:3:BMA:H62	0.429
19	A:408:LYS:CG	D:3:BMA:H62	0.428
19	B:535:ILE:HG22	P:10:MAN:O4	0.428
19	A:527:ASN:HA	A:528:PRO:C	0.427
19	B:527:ASN:HA	B:528:PRO:C	0.427
19	A:535:ILE:HG22	F:10:MAN:O4	0.427
19	A:413:ASN:ND2	D:1:NAG:C1	0.425
19	A:90:ASN:CG	Q:6:MAN:H62	0.425
19	B:90:ASN:CG	G:6:MAN:H62	0.424
19	A:378:LEU:HD12	A:417:LEU:HG	0.421
19	B:378:LEU:HD12	B:417:LEU:HG	0.421
19	A:461:SER:O	H:1:NAG:H61	0.418
19	B:280:SER:N	L:2:NAG:O	0.415

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:280:SER:N	I:2:NAG:O	0.414
19	B:231:GLU:HA	B:328:THR:O	0.413
19	A:231:GLU:HA	A:328:THR:O	0.412
19	B:423:ILE:O	B:425:PRO:HD3	0.412
19	A:423:ILE:O	A:425:PRO:HD3	0.411
19	B:486:PRO:HB2	M:2:NAG:CT	0.411
19	A:110:HIS:NE2	J:2:NAG:C2	0.410
19	B:110:HIS:NE2	K:2:NAG:C2	0.410
19	B:408:LYS:N	N:2:NAG:CT	0.410
19	A:486:PRO:HB2	E:2:NAG:CT	0.409
19	A:408:LYS:N	D:2:NAG:CT	0.408
19	B:166:ASN:ND2	O:1:NAG:HO6	0.408
19	A:413:ASN:CG	D:1:NAG:C1	0.403
19	A:110:HIS:HD2	J:2:NAG:CT	0.402
19	A:262:ARG:HH12	A:264:SER:HA	0.401
19	B:262:ARG:HH12	B:264:SER:HA	0.401
20	B:406:ASN:HA	N:2:NAG:CT	1.610
20	B:280:SER:HB3	L:2:NAG:C	1.550
20	A:280:SER:HB3	I:2:NAG:C	1.549
20	B:280:SER:CA	L:2:NAG:CT	1.535
20	A:280:SER:CA	I:2:NAG:CT	1.534
20	A:532:ASN:CG	F:1:NAG:H4	1.443
20	B:110:HIS:CE1	K:2:NAG:H3	1.425

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:110:HIS:CE1	J:2:NAG:H3	1.422
20	B:406:ASN:CA	N:2:NAG:CT	1.408
20	B:240:ILE:HG21	L:1:NAG:C	1.397
20	A:240:ILE:HG21	I:1:NAG:C	1.395
20	A:240:ILE:HD13	I:1:NAG:CT	1.357
20	B:240:ILE:HD13	L:1:NAG:CT	1.356
20	A:532:ASN:OD1	F:1:NAG:C4	1.339
20	A:240:ILE:CG2	I:1:NAG:O	1.338
20	B:240:ILE:CG2	L:1:NAG:O	1.337
20	A:133:ILE:CD1	J:5:MAN:H61	1.332
20	B:133:ILE:CD1	K:5:MAN:H61	1.330
20	B:532:ASN:CG	P:1:NAG:H3	1.309
20	A:408:LYS:HZ3	D:3:BMA:C1	1.303
20	A:107:GLU:CB	J:6:MAN:O4	1.292
20	B:532:ASN:OD1	P:1:NAG:H3	1.290
20	B:107:GLU:CB	K:6:MAN:O4	1.289
20	A:240:ILE:HD13	I:1:NAG:C	1.287
20	B:240:ILE:HD13	L:1:NAG:C	1.284
20	B:408:LYS:HZ3	N:3:BMA:C1	1.255
20	A:454:CYS:SG	H:11:MAN:H62	1.253
20	B:454:CYS:SG	R:11:MAN:H62	1.252
20	B:532:ASN:CG	P:1:NAG:C3	1.251
20	B:240:ILE:HG21	L:1:NAG:O	1.248

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:454:CYS:HB2	H:11:MAN:C6	1.241
20	B:454:CYS:HB2	R:11:MAN:C6	1.239
20	A:408:LYS:HB2	D:2:NAG:C1	1.235
20	B:408:LYS:HB2	N:2:NAG:C1	1.234
20	B:280:SER:CB	L:2:NAG:C	1.213
20	A:280:SER:CB	I:2:NAG:C	1.209
20	A:408:LYS:HG3	D:3:BMA:C6	1.204
20	B:408:LYS:HG3	N:3:BMA:C6	1.202
20	A:532:ASN:CG	F:1:NAG:C4	1.198
20	A:413:ASN:ND2	D:1:NAG:C1	1.197
20	B:110:HIS:HE1	K:2:NAG:C3	1.194
20	A:110:HIS:HE1	J:2:NAG:C3	1.193
20	A:408:LYS:CG	D:3:BMA:H62	1.186
20	B:445:GLN:NE2	P:1:NAG:O6	1.186
20	B:408:LYS:CG	N:3:BMA:H62	1.185
20	A:110:HIS:CE1	J:2:NAG:C3	1.178
20	B:110:HIS:CE1	K:2:NAG:C3	1.177
20	B:408:LYS:CD	N:2:NAG:H3	1.170
20	A:408:LYS:CD	D:2:NAG:H3	1.168
20	A:109:LEU:HG	J:5:MAN:O6	1.166
20	B:109:LEU:HG	K:5:MAN:O6	1.161
20	A:240:ILE:HG21	I:1:NAG:O	1.151
20	B:408:LYS:HD3	N:2:NAG:C3	1.137

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:408:LYS:HD3	D:2:NAG:C3	1.136
20	A:454:CYS:HB2	H:11:MAN:H61	1.128
20	B:454:CYS:HB2	R:11:MAN:H61	1.126
20	A:133:ILE:CD1	J:5:MAN:C6	1.122
20	B:133:ILE:CD1	K:5:MAN:C6	1.120
20	B:445:GLN:NE2	P:1:NAG:C6	1.111
20	A:408:LYS:HD3	D:2:NAG:H3	1.099
20	B:408:LYS:HD3	N:2:NAG:H3	1.096
20	B:445:GLN:HE21	P:1:NAG:C6	1.088
20	B:110:HIS:CE1	K:2:NAG:C1	1.086
20	A:110:HIS:CE1	J:2:NAG:C1	1.085
20	A:240:ILE:CD1	I:1:NAG:CT	1.085
20	B:240:ILE:CD1	L:1:NAG:CT	1.083
20	A:408:LYS:HG2	D:3:BMA:O5	1.078
20	B:408:LYS:HG2	N:3:BMA:O5	1.077
20	B:110:HIS:CE1	K:2:NAG:H5	1.074
20	A:110:HIS:CE1	J:2:NAG:H5	1.072
20	A:532:ASN:OD1	F:1:NAG:H4	1.068
20	B:445:GLN:NE2	P:1:NAG:C5	1.066
20	A:280:SER:OG	I:2:NAG:C	1.060
20	B:280:SER:OG	L:2:NAG:C	1.060
20	A:133:ILE:HD11	J:5:MAN:H61	1.052
20	B:133:ILE:HD11	K:5:MAN:H61	1.051

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:277:ASP:OD2	L:2:NAG:O	1.051
20	A:408:LYS:NZ	D:3:BMA:C1	1.050
20	B:408:LYS:NZ	N:3:BMA:C1	1.050
20	A:277:ASP:OD2	I:2:NAG:O	1.050
20	A:133:ILE:HD13	J:5:MAN:C6	1.046
20	B:133:ILE:HD13	K:5:MAN:C6	1.044
20	B:133:ILE:CD1	K:5:MAN:H4	1.043
20	A:133:ILE:CD1	J:5:MAN:H4	1.042
20	A:532:ASN:CG	F:1:NAG:C2	1.029
20	A:107:GLU:HB3	J:6:MAN:O4	1.018
20	A:166:ASN:ND2	C:1:NAG:C1	1.018
20	B:166:ASN:ND2	O:1:NAG:C1	1.018
20	B:107:GLU:HB3	K:6:MAN:O4	1.017
20	A:133:ILE:HD11	J:5:MAN:C6	1.004
20	B:133:ILE:HD11	K:5:MAN:C6	1.002
20	A:532:ASN:ND2	F:1:NAG:C2	1.000
20	B:240:ILE:HD13	L:1:NAG:O	0.998
20	A:240:ILE:HD13	I:1:NAG:O	0.996
20	A:532:ASN:CG	F:1:NAG:C3	0.990
20	B:240:ILE:CG1	L:1:NAG:O	0.977
20	B:280:SER:OG	L:2:NAG:CT	0.977
20	A:240:ILE:CG1	I:1:NAG:O	0.976
20	A:280:SER:OG	I:2:NAG:CT	0.976

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:532:ASN:OD1	P:1:NAG:C3	0.974
20	B:454:CYS:CB	R:11:MAN:C6	0.971
20	A:454:CYS:CB	H:11:MAN:C6	0.969
20	A:107:GLU:HB2	J:6:MAN:O4	0.965
20	A:454:CYS:CB	H:11:MAN:H62	0.963
20	B:454:CYS:CB	R:11:MAN:H62	0.962
20	B:107:GLU:HB2	K:6:MAN:O4	0.961
20	A:408:LYS:HG3	D:3:BMA:H62	0.960
20	B:408:LYS:HG3	N:3:BMA:H62	0.960
20	A:107:GLU:CG	J:6:MAN:O4	0.959
20	B:107:GLU:CG	K:6:MAN:O4	0.959
20	A:110:HIS:CE1	J:2:NAG:C5	0.907
20	A:408:LYS:CG	D:2:NAG:H3	0.907
20	B:110:HIS:CE1	K:2:NAG:C5	0.907
20	B:408:LYS:CG	N:2:NAG:H3	0.907
20	B:240:ILE:CD1	L:1:NAG:O	0.901
20	A:240:ILE:CD1	I:1:NAG:O	0.900
20	B:133:ILE:HD12	K:5:MAN:H4	0.898
20	A:133:ILE:HD12	J:5:MAN:H4	0.897
20	A:408:LYS:NZ	D:3:BMA:H5	0.896
20	B:133:ILE:HD13	K:5:MAN:H62	0.895
20	A:133:ILE:HD13	J:5:MAN:H62	0.894
20	B:408:LYS:NZ	N:3:BMA:H5	0.894

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:413:ASN:HD22	D:1:NAG:C1	0.889
20	A:110:HIS:HE1	J:2:NAG:C5	0.885
20	B:110:HIS:HE1	K:2:NAG:C5	0.885
20	B:408:LYS:HZ3	N:3:BMA:C5	0.883
20	B:445:GLN:HE22	P:1:NAG:H5	0.882
20	A:110:HIS:NE2	J:2:NAG:N	0.881
20	B:110:HIS:NE2	K:2:NAG:N	0.881
20	B:110:HIS:CE1	K:2:NAG:C2	0.877
20	A:110:HIS:CE1	J:2:NAG:C2	0.876
20	A:409:ASN:CB	D:1:NAG:CT	0.874
20	B:409:ASN:CB	N:1:NAG:CT	0.873
20	A:280:SER:HA	I:2:NAG:CT	0.859
20	B:240:ILE:CD1	L:1:NAG:C	0.859
20	B:280:SER:HA	L:2:NAG:CT	0.856
20	A:408:LYS:CE	D:3:BMA:H5	0.848
20	B:408:LYS:CE	N:3:BMA:H5	0.847
20	A:454:CYS:HB2	H:11:MAN:H62	0.845
20	B:280:SER:CB	L:2:NAG:CT	0.840
20	A:280:SER:CB	I:2:NAG:CT	0.839
20	A:501:ASP:OD2	A:502:PHE:HD2	0.837
20	A:110:HIS:NE2	J:2:NAG:C1	0.835
20	B:501:ASP:OD2	B:502:PHE:HD2	0.835
20	B:110:HIS:NE2	K:2:NAG:C1	0.834

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:110:HIS:NE2	K:2:NAG:C2	0.834
20	A:110:HIS:NE2	J:2:NAG:C2	0.832
20	A:107:GLU:CB	J:6:MAN:HO4	0.830
20	B:107:GLU:CB	K:6:MAN:HO4	0.827
20	A:133:ILE:CD1	J:5:MAN:C4	0.823
20	B:133:ILE:CD1	K:5:MAN:C4	0.823
20	A:165:ASN:ND2	C:1:NAG:O6	0.817
20	B:445:GLN:HE21	P:1:NAG:C5	0.815
20	B:165:ASN:ND2	O:1:NAG:O6	0.815
20	A:408:LYS:HZ3	D:3:BMA:C5	0.808
20	A:107:GLU:HG3	J:6:MAN:O4	0.806
20	A:408:LYS:CG	D:3:BMA:C5	0.805
20	B:408:LYS:CG	N:3:BMA:C5	0.804
20	B:408:LYS:HZ3	N:3:BMA:H5	0.804
20	B:110:HIS:HE1	K:2:NAG:C4	0.804
20	B:107:GLU:HG3	K:6:MAN:O4	0.803
20	A:110:HIS:HE1	J:2:NAG:C4	0.803
20	B:532:ASN:ND2	P:1:NAG:H5	0.797
20	A:280:SER:HB2	I:2:NAG:CT	0.796
20	B:280:SER:HB2	L:2:NAG:CT	0.795
20	B:240:ILE:CB	L:1:NAG:O	0.787
20	A:240:ILE:CB	I:1:NAG:O	0.786
20	A:408:LYS:CG	D:3:BMA:C6	0.785

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:408:LYS:CG	N:3:BMA:C6	0.785
20	A:454:CYS:SG	H:11:MAN:C6	0.774
20	B:454:CYS:SG	R:11:MAN:C6	0.774
20	A:499:ASN:H	A:499:ASN:HD22	0.765
20	B:499:ASN:HD21	B:502:PHE:HB2	0.764
20	A:499:ASN:HD21	A:502:PHE:HB2	0.763
20	A:488:THR:C	E:1:NAG:C6	0.762
20	B:499:ASN:H	B:499:ASN:HD22	0.762
20	B:409:ASN:HB2	N:1:NAG:CT	0.761
20	B:488:THR:C	M:1:NAG:C6	0.761
20	A:409:ASN:HB2	D:1:NAG:CT	0.760
20	A:448:PRO:HB3	H:2:NAG:O	0.760
20	A:30:LYS:HB2	G:1:NAG:O6	0.759
20	B:280:SER:HB3	L:2:NAG:N	0.758
20	B:30:LYS:HB2	Q:1:NAG:O6	0.757
20	A:280:SER:HB3	I:2:NAG:N	0.756
20	A:501:ASP:OD2	A:502:PHE:CD2	0.756
20	B:501:ASP:OD2	B:502:PHE:CD2	0.754
20	A:280:SER:HB3	I:2:NAG:CT	0.753
20	B:280:SER:HB3	L:2:NAG:CT	0.753
20	A:240:ILE:HG23	I:1:NAG:O	0.750
20	B:240:ILE:HG23	L:1:NAG:O	0.749
20	A:445:GLN:NE2	F:1:NAG:C2	0.746

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:110:HIS:HE1	J:2:NAG:H3	0.739
20	B:110:HIS:HE1	K:2:NAG:H3	0.736
20	A:454:CYS:CB	H:11:MAN:H61	0.734
20	B:454:CYS:CB	R:11:MAN:H61	0.729
20	A:408:LYS:HG2	D:3:BMA:C5	0.724
20	B:408:LYS:HG2	N:3:BMA:C5	0.724
20	B:107:GLU:HB3	K:6:MAN:HO4	0.710
20	A:408:LYS:HZ3	D:3:BMA:H5	0.710
20	B:408:LYS:HG3	N:3:BMA:C5	0.708
20	A:408:LYS:HG3	D:3:BMA:C5	0.707
20	B:454:CYS:HG	R:11:MAN:H62	0.700
20	A:107:GLU:HB3	J:6:MAN:HO4	0.699
20	A:408:LYS:CB	D:2:NAG:C1	0.699
20	A:454:CYS:HG	H:11:MAN:H62	0.697
20	B:408:LYS:CB	N:2:NAG:C1	0.697
20	A:498:LEU:HB2	A:502:PHE:O	0.691
20	B:408:LYS:HE2	N:3:BMA:H5	0.690
20	B:498:LEU:HB2	B:502:PHE:O	0.690
20	A:408:LYS:HE2	D:3:BMA:H5	0.689
20	B:499:ASN:N	B:499:ASN:ND2	0.675
20	A:499:ASN:N	A:499:ASN:ND2	0.674
20	B:445:GLN:NE2	P:1:NAG:H5	0.673
20	A:499:ASN:H	A:499:ASN:ND2	0.671

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:499:ASN:H	B:499:ASN:ND2	0.669
20	A:280:SER:N	I:2:NAG:CT	0.666
20	B:280:SER:N	L:2:NAG:CT	0.666
20	B:77:ARG:NE	G:6:MAN:O2	0.659
20	B:166:ASN:CG	O:1:NAG:C1	0.656
20	A:77:ARG:NE	Q:6:MAN:O2	0.656
20	A:166:ASN:CG	C:1:NAG:C1	0.655
20	A:240:ILE:HG12	I:1:NAG:O	0.635
20	B:240:ILE:HG12	L:1:NAG:O	0.635
20	A:408:LYS:CG	D:3:BMA:O5	0.635
20	B:406:ASN:C	N:2:NAG:CT	0.632
20	B:408:LYS:CG	N:3:BMA:O5	0.631
20	A:408:LYS:HD3	D:2:NAG:C2	0.623
20	A:408:LYS:HD3	D:2:NAG:N	0.621
20	B:408:LYS:HD3	N:2:NAG:C2	0.621
20	B:408:LYS:HD3	N:2:NAG:N	0.621
20	B:409:ASN:HB3	N:1:NAG:CT	0.621
20	A:409:ASN:HB3	D:1:NAG:CT	0.620
20	B:28:ARG:CG	B:28:ARG:HH11	0.614
20	A:28:ARG:CG	A:28:ARG:HH11	0.612
20	A:532:ASN:OD1	F:2:NAG:C1	0.612
20	A:341:ASN:HB3	A:342:PRO:HD3	0.610
20	B:30:LYS:HB2	Q:1:NAG:C6	0.610

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:341:ASN:HB3	B:342:PRO:HD3	0.610
20	A:30:LYS:HB2	G:1:NAG:C6	0.609
20	A:240:ILE:HD12	I:1:NAG:CT	0.596
20	B:240:ILE:HD12	L:1:NAG:CT	0.595
20	A:408:LYS:HG2	D:2:NAG:H3	0.592
20	A:409:ASN:HD22	A:410:ASN:H	0.592
20	A:447:LEU:HB3	A:448:PRO:HD3	0.591
20	B:409:ASN:HD22	B:410:ASN:H	0.591
20	B:408:LYS:HG2	N:2:NAG:H3	0.589
20	A:413:ASN:CG	D:1:NAG:C1	0.588
20	B:471:ILE:HG23	N:11:MAN:H61	0.581
20	A:277:ASP:CG	I:2:NAG:O	0.581
20	B:445:GLN:CD	P:1:NAG:O6	0.580
20	A:471:ILE:HG23	D:11:MAN:H61	0.579
20	B:517:GLU:O	M:2:NAG:O	0.576
20	A:517:GLU:O	E:2:NAG:O	0.575
20	B:277:ASP:CG	L:2:NAG:O	0.566
20	A:391:ASN:HB3	A:393:GLN:HG3	0.560
20	B:391:ASN:HB3	B:393:GLN:HG3	0.560
20	A:133:ILE:HD11	J:5:MAN:H4	0.554
20	B:445:GLN:NE2	P:1:NAG:O5	0.554
20	B:133:ILE:HD11	K:5:MAN:H4	0.553
20	B:28:ARG:HG2	B:28:ARG:HH11	0.552

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:28:ARG:HG2	A:28:ARG:HH11	0.551
20	B:488:THR:HG22	B:491:ARG:NH2	0.548
20	A:488:THR:HG22	A:491:ARG:NH2	0.547
20	A:109:LEU:H	A:109:LEU:HD12	0.545
20	B:109:LEU:H	B:109:LEU:HD12	0.545
20	A:532:ASN:OD1	F:1:NAG:C3	0.544
20	B:105:ARG:HG2	B:203:LEU:HB3	0.540
20	A:359:THR:HG22	A:393:GLN:HG2	0.536
20	B:359:THR:HG22	B:393:GLN:HG2	0.536
20	A:166:ASN:HD22	C:1:NAG:C1	0.527
20	A:107:GLU:HG3	J:6:MAN:C4	0.526
20	B:107:GLU:HG3	K:6:MAN:C4	0.525
20	B:166:ASN:HD22	O:1:NAG:C1	0.523
20	B:110:HIS:HE1	K:2:NAG:H5	0.520
20	A:110:HIS:NE2	J:2:NAG:H3	0.519
20	A:110:HIS:HE1	J:2:NAG:H5	0.517
20	B:30:LYS:HB2	Q:1:NAG:H61	0.513
20	A:30:LYS:HB2	G:1:NAG:H61	0.511
20	A:133:ILE:HD11	J:5:MAN:C5	0.511
20	B:133:ILE:HD11	K:5:MAN:C5	0.511
20	A:488:THR:C	E:1:NAG:H62	0.505
20	B:488:THR:C	M:1:NAG:H62	0.504
20	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:499:ASN:N	B:499:ASN:HD22	0.497
20	A:463:ASN:O	H:1:NAG:O6	0.494
20	B:463:ASN:O	R:1:NAG:O6	0.492
20	A:448:PRO:CB	H:2:NAG:O	0.489
20	A:408:LYS:HG2	D:3:BMA:C1	0.488
20	B:408:LYS:HG2	N:3:BMA:C1	0.487
20	B:28:ARG:CG	B:28:ARG:NH1	0.479
20	B:423:ILE:HB	B:424:PRO:HD3	0.479
20	A:28:ARG:CG	A:28:ARG:NH1	0.478
20	B:532:ASN:OD1	P:1:NAG:O3	0.478
20	A:423:ILE:HB	A:424:PRO:HD3	0.477
20	A:133:ILE:CD1	J:5:MAN:C5	0.475
20	B:133:ILE:CD1	K:5:MAN:C5	0.473
20	A:408:LYS:HD3	D:2:NAG:O3	0.472
20	B:280:SER:CB	L:2:NAG:N	0.471
20	A:280:SER:CB	I:2:NAG:N	0.469
20	B:408:LYS:HD3	N:2:NAG:O3	0.469
20	B:445:GLN:CG	P:1:NAG:O6	0.467
20	A:133:ILE:HD13	J:5:MAN:C4	0.460
20	B:133:ILE:HD13	K:5:MAN:C4	0.459
20	A:240:ILE:CG2	I:1:NAG:C	0.458
20	A:528:PRO:HA	A:529:PRO:HD3	0.457
20	A:110:HIS:ND1	J:2:NAG:H5	0.456

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:240:ILE:CG2	L:1:NAG:C	0.456
20	B:110:HIS:ND1	K:2:NAG:H5	0.455
20	B:528:PRO:HA	B:529:PRO:HD3	0.454
20	A:77:ARG:HH21	A:91:PRO:HB2	0.451
20	B:409:ASN:CG	N:1:NAG:CT	0.450
20	A:409:ASN:CG	D:1:NAG:CT	0.449
20	B:408:LYS:HZ2	N:3:BMA:C1	0.449
20	A:408:LYS:NZ	D:3:BMA:C5	0.444
20	B:445:GLN:HE22	P:1:NAG:C5	0.444
20	A:341:ASN:CB	A:342:PRO:HD3	0.441
20	B:341:ASN:CB	B:342:PRO:HD3	0.441
20	B:33:SER:HB3	B:83:ILE:HD12	0.440
20	A:33:SER:HB3	A:83:ILE:HD12	0.439
20	A:485:SER:HA	A:486:PRO:C	0.435
20	B:485:SER:HA	B:486:PRO:C	0.435
20	A:408:LYS:HB2	D:2:NAG:C2	0.434
20	A:386:LYS:HD2	A:397:ILE:HD11	0.433
20	B:165:ASN:HA	O:1:NAG:H61	0.433
20	A:165:ASN:HA	C:1:NAG:H61	0.432
20	B:386:LYS:HD2	B:397:ILE:HD11	0.431
20	B:408:LYS:HB2	N:2:NAG:C2	0.431
20	B:133:ILE:HD11	K:5:MAN:C4	0.429
20	A:527:ASN:HA	A:528:PRO:C	0.427

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:527:ASN:HA	B:528:PRO:C	0.427
20	A:378:LEU:HD12	A:417:LEU:HG	0.421
20	B:378:LEU:HD12	B:417:LEU:HG	0.421
20	B:110:HIS:NE2	K:2:NAG:H3	0.420
20	B:231:GLU:HA	B:328:THR:O	0.413
20	A:231:GLU:HA	A:328:THR:O	0.412
20	B:423:ILE:O	B:425:PRO:HD3	0.412
20	A:423:ILE:O	A:425:PRO:HD3	0.411
20	B:408:LYS:NZ	N:3:BMA:C5	0.411
20	A:262:ARG:HH12	A:264:SER:HA	0.401
20	B:262:ARG:HH12	B:264:SER:HA	0.401

Torsion angles: Protein backbone ?

In the following table, Ramachandran outliers are listed. The Analysed column shows the number of residues for which the backbone conformation was analysed.

Model ID	Analyzed	Favored	Allowed	Outliers
1	1074	982	86	6
2	1074	982	86	6
3	1074	982	86	6
4	1074	982	86	6
5	1074	982	86	6
6	1074	982	86	6
7	1074	982	86	6
8	1074	982	86	6
9	1074	982	86	6

Model ID	Analyzed	Favored	Allowed	Outliers
10	1074	982	86	6
11	1074	982	86	6
12	1074	982	86	6
13	1074	982	86	6
14	1074	982	86	6
15	1074	982	86	6
16	1074	982	86	6
17	1074	982	86	6
18	1074	982	86	6
19	1074	982	86	6
20	1074	982	86	6

Detailed list of outliers are tabulated below.

Torsion angles: Protein sidechains ?

In the following table, sidechain outliers are listed. The Analysed column shows the number of residues for which the sidechain conformation was analysed.

Model ID	Analyzed	Favored	Allowed	Outliers
1	942	750	122	70
2	942	750	122	70
3	942	750	122	70
4	942	750	122	70
5	942	750	122	70
6	942	750	122	70
7	942	750	122	70
8	942	750	122	70

Model ID	Analyzed	Favored	Allowed	Outliers
9	942	750	122	70
10	942	750	122	70
11	942	750	122	70
12	942	750	122	70
13	942	750	122	70
14	942	750	122	70
15	942	750	122	70
16	942	750	122	70
17	942	750	122	70
18	942	750	122	70
19	942	750	122	70
20	942	750	122	70

Detailed list of outliers are tabulated below.

Model ID	Chain	Residue ID	Residue type
1	A	4	ILE
1	A	22	VAL
1	A	24	ILE
1	A	28	ARG
1	A	31	ASN
1	A	38	VAL
1	A	60	LEU
1	A	62	VAL
1	A	81	VAL

Model ID	Chain	Residue ID	Residue type
1	A	83	ILE
1	A	94	ILE
1	A	98	VAL
1	A	131	THR
1	A	145	LEU
1	A	180	ARG
1	A	208	THR
1	A	227	THR
1	A	234	GLU
1	A	237	VAL
1	A	269	THR
1	A	271	ARG
1	A	286	THR
1	A	291	ILE
1	A	301	LEU
1	A	325	VAL
1	A	338	PHE
1	A	348	GLU
1	A	373	ILE
1	A	403	GLU
1	A	409	ASN
1	A	465	THR
1	A	482	LEU

Model ID	Chain	Residue ID	Residue type
1	A	499	ASN
1	A	507	LEU
1	A	515	ILE
1	B	4	ILE
1	B	22	VAL
1	B	24	ILE
1	B	28	ARG
1	B	31	ASN
1	B	38	VAL
1	B	60	LEU
1	B	62	VAL
1	B	81	VAL
1	B	83	ILE
1	B	94	ILE
1	B	98	VAL
1	B	131	THR
1	B	145	LEU
1	B	180	ARG
1	B	208	THR
1	B	227	THR
1	B	234	GLU
1	B	237	VAL
1	B	269	THR

Model ID	Chain	Residue ID	Residue type
1	B	271	ARG
1	B	286	THR
1	B	291	ILE
1	B	301	LEU
1	B	325	VAL
1	B	338	PHE
1	B	348	GLU
1	B	373	ILE
1	B	403	GLU
1	B	409	ASN
1	B	465	THR
1	B	482	LEU
1	B	499	ASN
1	B	507	LEU
1	B	515	ILE
2	A	4	ILE
2	A	22	VAL
2	A	24	ILE
2	A	28	ARG
2	A	31	ASN
2	A	38	VAL
2	A	60	LEU
2	A	62	VAL

Model ID	Chain	Residue ID	Residue type
2	A	81	VAL
2	A	83	ILE
2	A	94	ILE
2	A	98	VAL
2	A	131	THR
2	A	145	LEU
2	A	180	ARG
2	A	208	THR
2	A	227	THR
2	A	234	GLU
2	A	237	VAL
2	A	269	THR
2	A	271	ARG
2	A	286	THR
2	A	291	ILE
2	A	301	LEU
2	A	325	VAL
2	A	338	PHE
2	A	348	GLU
2	A	373	ILE
2	A	403	GLU
2	A	409	ASN
2	A	465	THR

Model ID	Chain	Residue ID	Residue type
2	A	482	LEU
2	A	499	ASN
2	A	507	LEU
2	A	515	ILE
2	B	4	ILE
2	B	22	VAL
2	B	24	ILE
2	B	28	ARG
2	B	31	ASN
2	B	38	VAL
2	B	60	LEU
2	B	62	VAL
2	B	81	VAL
2	B	83	ILE
2	B	94	ILE
2	B	98	VAL
2	B	131	THR
2	B	145	LEU
2	B	180	ARG
2	B	208	THR
2	B	227	THR
2	B	234	GLU
2	B	237	VAL

Model ID	Chain	Residue ID	Residue type
2	B	269	THR
2	B	271	ARG
2	B	286	THR
2	B	291	ILE
2	B	301	LEU
2	B	325	VAL
2	B	338	PHE
2	B	348	GLU
2	B	373	ILE
2	B	403	GLU
2	B	409	ASN
2	B	465	THR
2	B	482	LEU
2	B	499	ASN
2	B	507	LEU
2	B	515	ILE
3	A	4	ILE
3	A	22	VAL
3	A	24	ILE
3	A	28	ARG
3	A	31	ASN
3	A	38	VAL
3	A	60	LEU

Model ID	Chain	Residue ID	Residue type
3	A	62	VAL
3	A	81	VAL
3	A	83	ILE
3	A	94	ILE
3	A	98	VAL
3	A	131	THR
3	A	145	LEU
3	A	180	ARG
3	A	208	THR
3	A	227	THR
3	A	234	GLU
3	A	237	VAL
3	A	269	THR
3	A	271	ARG
3	A	286	THR
3	A	291	ILE
3	A	301	LEU
3	A	325	VAL
3	A	338	PHE
3	A	348	GLU
3	A	373	ILE
3	A	403	GLU
3	A	409	ASN

Model ID	Chain	Residue ID	Residue type
3	A	465	THR
3	A	482	LEU
3	A	499	ASN
3	A	507	LEU
3	A	515	ILE
3	B	4	ILE
3	B	22	VAL
3	B	24	ILE
3	B	28	ARG
3	B	31	ASN
3	B	38	VAL
3	B	60	LEU
3	B	62	VAL
3	B	81	VAL
3	B	83	ILE
3	B	94	ILE
3	B	98	VAL
3	B	131	THR
3	B	145	LEU
3	B	180	ARG
3	B	208	THR
3	B	227	THR
3	B	234	GLU

Model ID	Chain	Residue ID	Residue type
3	B	237	VAL
3	B	269	THR
3	B	271	ARG
3	B	286	THR
3	B	291	ILE
3	B	301	LEU
3	B	325	VAL
3	B	338	PHE
3	B	348	GLU
3	B	373	ILE
3	B	403	GLU
3	B	409	ASN
3	B	465	THR
3	B	482	LEU
3	B	499	ASN
3	B	507	LEU
3	B	515	ILE
4	A	4	ILE
4	A	22	VAL
4	A	24	ILE
4	A	28	ARG
4	A	31	ASN
4	A	38	VAL

Model ID	Chain	Residue ID	Residue type
4	A	60	LEU
4	A	62	VAL
4	A	81	VAL
4	A	83	ILE
4	A	94	ILE
4	A	98	VAL
4	A	131	THR
4	A	145	LEU
4	A	180	ARG
4	A	208	THR
4	A	227	THR
4	A	234	GLU
4	A	237	VAL
4	A	269	THR
4	A	271	ARG
4	A	286	THR
4	A	291	ILE
4	A	301	LEU
4	A	325	VAL
4	A	338	PHE
4	A	348	GLU
4	A	373	ILE
4	A	403	GLU

Model ID	Chain	Residue ID	Residue type
4	A	409	ASN
4	A	465	THR
4	A	482	LEU
4	A	499	ASN
4	A	507	LEU
4	A	515	ILE
4	B	4	ILE
4	B	22	VAL
4	B	24	ILE
4	B	28	ARG
4	B	31	ASN
4	B	38	VAL
4	B	60	LEU
4	B	62	VAL
4	B	81	VAL
4	B	83	ILE
4	B	94	ILE
4	B	98	VAL
4	B	131	THR
4	B	145	LEU
4	B	180	ARG
4	B	208	THR
4	B	227	THR

Model ID	Chain	Residue ID	Residue type
4	B	234	GLU
4	B	237	VAL
4	B	269	THR
4	B	271	ARG
4	B	286	THR
4	B	291	ILE
4	B	301	LEU
4	B	325	VAL
4	B	338	PHE
4	B	348	GLU
4	B	373	ILE
4	B	403	GLU
4	B	409	ASN
4	B	465	THR
4	B	482	LEU
4	B	499	ASN
4	B	507	LEU
4	B	515	ILE
5	A	4	ILE
5	A	22	VAL
5	A	24	ILE
5	A	28	ARG
5	A	31	ASN

Model ID	Chain	Residue ID	Residue type
5	A	38	VAL
5	A	60	LEU
5	A	62	VAL
5	A	81	VAL
5	A	83	ILE
5	A	94	ILE
5	A	98	VAL
5	A	131	THR
5	A	145	LEU
5	A	180	ARG
5	A	208	THR
5	A	227	THR
5	A	234	GLU
5	A	237	VAL
5	A	269	THR
5	A	271	ARG
5	A	286	THR
5	A	291	ILE
5	A	301	LEU
5	A	325	VAL
5	A	338	PHE
5	A	348	GLU
5	A	373	ILE

Model ID	Chain	Residue ID	Residue type
5	A	403	GLU
5	A	409	ASN
5	A	465	THR
5	A	482	LEU
5	A	499	ASN
5	A	507	LEU
5	A	515	ILE
5	B	4	ILE
5	B	22	VAL
5	B	24	ILE
5	B	28	ARG
5	B	31	ASN
5	B	38	VAL
5	B	60	LEU
5	B	62	VAL
5	B	81	VAL
5	B	83	ILE
5	B	94	ILE
5	B	98	VAL
5	B	131	THR
5	B	145	LEU
5	B	180	ARG
5	B	208	THR

Model ID	Chain	Residue ID	Residue type
5	B	227	THR
5	B	234	GLU
5	B	237	VAL
5	B	269	THR
5	B	271	ARG
5	B	286	THR
5	B	291	ILE
5	B	301	LEU
5	B	325	VAL
5	B	338	PHE
5	B	348	GLU
5	B	373	ILE
5	B	403	GLU
5	B	409	ASN
5	B	465	THR
5	B	482	LEU
5	B	499	ASN
5	B	507	LEU
5	B	515	ILE
6	A	4	ILE
6	A	22	VAL
6	A	24	ILE
6	A	28	ARG

Model ID	Chain	Residue ID	Residue type
6	A	31	ASN
6	A	38	VAL
6	A	60	LEU
6	A	62	VAL
6	A	81	VAL
6	A	83	ILE
6	A	94	ILE
6	A	98	VAL
6	A	131	THR
6	A	145	LEU
6	A	180	ARG
6	A	208	THR
6	A	227	THR
6	A	234	GLU
6	A	237	VAL
6	A	269	THR
6	A	271	ARG
6	A	286	THR
6	A	291	ILE
6	A	301	LEU
6	A	325	VAL
6	A	338	PHE
6	A	348	GLU

Model ID	Chain	Residue ID	Residue type
6	A	373	ILE
6	A	403	GLU
6	A	409	ASN
6	A	465	THR
6	A	482	LEU
6	A	499	ASN
6	A	507	LEU
6	A	515	ILE
6	B	4	ILE
6	B	22	VAL
6	B	24	ILE
6	B	28	ARG
6	B	31	ASN
6	B	38	VAL
6	B	60	LEU
6	B	62	VAL
6	B	81	VAL
6	B	83	ILE
6	B	94	ILE
6	B	98	VAL
6	B	131	THR
6	B	145	LEU
6	B	180	ARG

Model ID	Chain	Residue ID	Residue type
6	B	208	THR
6	B	227	THR
6	B	234	GLU
6	B	237	VAL
6	B	269	THR
6	B	271	ARG
6	B	286	THR
6	B	291	ILE
6	B	301	LEU
6	B	325	VAL
6	B	338	PHE
6	B	348	GLU
6	B	373	ILE
6	B	403	GLU
6	B	409	ASN
6	B	465	THR
6	B	482	LEU
6	B	499	ASN
6	B	507	LEU
6	B	515	ILE
7	A	4	ILE
7	A	22	VAL
7	A	24	ILE

Model ID	Chain	Residue ID	Residue type
7	A	28	ARG
7	A	31	ASN
7	A	38	VAL
7	A	60	LEU
7	A	62	VAL
7	A	81	VAL
7	A	83	ILE
7	A	94	ILE
7	A	98	VAL
7	A	131	THR
7	A	145	LEU
7	A	180	ARG
7	A	208	THR
7	A	227	THR
7	A	234	GLU
7	A	237	VAL
7	A	269	THR
7	A	271	ARG
7	A	286	THR
7	A	291	ILE
7	A	301	LEU
7	A	325	VAL
7	A	338	PHE

Model ID	Chain	Residue ID	Residue type
7	A	348	GLU
7	A	373	ILE
7	A	403	GLU
7	A	409	ASN
7	A	465	THR
7	A	482	LEU
7	A	499	ASN
7	A	507	LEU
7	A	515	ILE
7	B	4	ILE
7	B	22	VAL
7	B	24	ILE
7	B	28	ARG
7	B	31	ASN
7	B	38	VAL
7	B	60	LEU
7	B	62	VAL
7	B	81	VAL
7	B	83	ILE
7	B	94	ILE
7	B	98	VAL
7	B	131	THR
7	B	145	LEU

Model ID	Chain	Residue ID	Residue type
7	B	180	ARG
7	B	208	THR
7	B	227	THR
7	B	234	GLU
7	B	237	VAL
7	B	269	THR
7	B	271	ARG
7	B	286	THR
7	B	291	ILE
7	B	301	LEU
7	B	325	VAL
7	B	338	PHE
7	B	348	GLU
7	B	373	ILE
7	B	403	GLU
7	B	409	ASN
7	B	465	THR
7	B	482	LEU
7	B	499	ASN
7	B	507	LEU
7	B	515	ILE
8	A	4	ILE
8	A	22	VAL

Model ID	Chain	Residue ID	Residue type
8	A	24	ILE
8	A	28	ARG
8	A	31	ASN
8	A	38	VAL
8	A	60	LEU
8	A	62	VAL
8	A	81	VAL
8	A	83	ILE
8	A	94	ILE
8	A	98	VAL
8	A	131	THR
8	A	145	LEU
8	A	180	ARG
8	A	208	THR
8	A	227	THR
8	A	234	GLU
8	A	237	VAL
8	A	269	THR
8	A	271	ARG
8	A	286	THR
8	A	291	ILE
8	A	301	LEU
8	A	325	VAL

Model ID	Chain	Residue ID	Residue type
8	A	338	PHE
8	A	348	GLU
8	A	373	ILE
8	A	403	GLU
8	A	409	ASN
8	A	465	THR
8	A	482	LEU
8	A	499	ASN
8	A	507	LEU
8	A	515	ILE
8	B	4	ILE
8	B	22	VAL
8	B	24	ILE
8	B	28	ARG
8	B	31	ASN
8	B	38	VAL
8	B	60	LEU
8	B	62	VAL
8	B	81	VAL
8	B	83	ILE
8	B	94	ILE
8	B	98	VAL
8	B	131	THR

Model ID	Chain	Residue ID	Residue type
8	B	145	LEU
8	B	180	ARG
8	B	208	THR
8	B	227	THR
8	B	234	GLU
8	B	237	VAL
8	B	269	THR
8	B	271	ARG
8	B	286	THR
8	B	291	ILE
8	B	301	LEU
8	B	325	VAL
8	B	338	PHE
8	B	348	GLU
8	B	373	ILE
8	B	403	GLU
8	B	409	ASN
8	B	465	THR
8	B	482	LEU
8	B	499	ASN
8	B	507	LEU
8	B	515	ILE
9	A	4	ILE

Model ID	Chain	Residue ID	Residue type
9	A	22	VAL
9	A	24	ILE
9	A	28	ARG
9	A	31	ASN
9	A	38	VAL
9	A	60	LEU
9	A	62	VAL
9	A	81	VAL
9	A	83	ILE
9	A	94	ILE
9	A	98	VAL
9	A	131	THR
9	A	145	LEU
9	A	180	ARG
9	A	208	THR
9	A	227	THR
9	A	234	GLU
9	A	237	VAL
9	A	269	THR
9	A	271	ARG
9	A	286	THR
9	A	291	ILE
9	A	301	LEU

Model ID	Chain	Residue ID	Residue type
9	A	325	VAL
9	A	338	PHE
9	A	348	GLU
9	A	373	ILE
9	A	403	GLU
9	A	409	ASN
9	A	465	THR
9	A	482	LEU
9	A	499	ASN
9	A	507	LEU
9	A	515	ILE
9	B	4	ILE
9	B	22	VAL
9	B	24	ILE
9	B	28	ARG
9	B	31	ASN
9	B	38	VAL
9	B	60	LEU
9	B	62	VAL
9	B	81	VAL
9	B	83	ILE
9	B	94	ILE
9	B	98	VAL

Model ID	Chain	Residue ID	Residue type
9	B	131	THR
9	B	145	LEU
9	B	180	ARG
9	B	208	THR
9	B	227	THR
9	B	234	GLU
9	B	237	VAL
9	B	269	THR
9	B	271	ARG
9	B	286	THR
9	B	291	ILE
9	B	301	LEU
9	B	325	VAL
9	B	338	PHE
9	B	348	GLU
9	B	373	ILE
9	B	403	GLU
9	B	409	ASN
9	B	465	THR
9	B	482	LEU
9	B	499	ASN
9	B	507	LEU
9	B	515	ILE

Model ID	Chain	Residue ID	Residue type
10	A	4	ILE
10	A	22	VAL
10	A	24	ILE
10	A	28	ARG
10	A	31	ASN
10	A	38	VAL
10	A	60	LEU
10	A	62	VAL
10	A	81	VAL
10	A	83	ILE
10	A	94	ILE
10	A	98	VAL
10	A	131	THR
10	A	145	LEU
10	A	180	ARG
10	A	208	THR
10	A	227	THR
10	A	234	GLU
10	A	237	VAL
10	A	269	THR
10	A	271	ARG
10	A	286	THR
10	A	291	ILE

Model ID	Chain	Residue ID	Residue type
10	A	301	LEU
10	A	325	VAL
10	A	338	PHE
10	A	348	GLU
10	A	373	ILE
10	A	403	GLU
10	A	409	ASN
10	A	465	THR
10	A	482	LEU
10	A	499	ASN
10	A	507	LEU
10	A	515	ILE
10	B	4	ILE
10	B	22	VAL
10	B	24	ILE
10	B	28	ARG
10	B	31	ASN
10	B	38	VAL
10	B	60	LEU
10	B	62	VAL
10	B	81	VAL
10	B	83	ILE
10	B	94	ILE

Model ID	Chain	Residue ID	Residue type
10	B	98	VAL
10	B	131	THR
10	B	145	LEU
10	B	180	ARG
10	B	208	THR
10	B	227	THR
10	B	234	GLU
10	B	237	VAL
10	B	269	THR
10	B	271	ARG
10	B	286	THR
10	B	291	ILE
10	B	301	LEU
10	B	325	VAL
10	B	338	PHE
10	B	348	GLU
10	B	373	ILE
10	B	403	GLU
10	B	409	ASN
10	B	465	THR
10	B	482	LEU
10	B	499	ASN
10	B	507	LEU

Model ID	Chain	Residue ID	Residue type
10	B	515	ILE
11	A	4	ILE
11	A	22	VAL
11	A	24	ILE
11	A	28	ARG
11	A	31	ASN
11	A	38	VAL
11	A	60	LEU
11	A	62	VAL
11	A	81	VAL
11	A	83	ILE
11	A	94	ILE
11	A	98	VAL
11	A	131	THR
11	A	145	LEU
11	A	180	ARG
11	A	208	THR
11	A	227	THR
11	A	234	GLU
11	A	237	VAL
11	A	269	THR
11	A	271	ARG
11	A	286	THR

Model ID	Chain	Residue ID	Residue type
11	A	291	ILE
11	A	301	LEU
11	A	325	VAL
11	A	338	PHE
11	A	348	GLU
11	A	373	ILE
11	A	403	GLU
11	A	409	ASN
11	A	465	THR
11	A	482	LEU
11	A	499	ASN
11	A	507	LEU
11	A	515	ILE
11	B	4	ILE
11	B	22	VAL
11	B	24	ILE
11	B	28	ARG
11	B	31	ASN
11	B	38	VAL
11	B	60	LEU
11	B	62	VAL
11	B	81	VAL
11	B	83	ILE

Model ID	Chain	Residue ID	Residue type
11	B	94	ILE
11	B	98	VAL
11	B	131	THR
11	B	145	LEU
11	B	180	ARG
11	B	208	THR
11	B	227	THR
11	B	234	GLU
11	B	237	VAL
11	B	269	THR
11	B	271	ARG
11	B	286	THR
11	B	291	ILE
11	B	301	LEU
11	B	325	VAL
11	B	338	PHE
11	B	348	GLU
11	B	373	ILE
11	B	403	GLU
11	B	409	ASN
11	B	465	THR
11	B	482	LEU
11	B	499	ASN

Model ID	Chain	Residue ID	Residue type
11	B	507	LEU
11	B	515	ILE
12	A	4	ILE
12	A	22	VAL
12	A	24	ILE
12	A	28	ARG
12	A	31	ASN
12	A	38	VAL
12	A	60	LEU
12	A	62	VAL
12	A	81	VAL
12	A	83	ILE
12	A	94	ILE
12	A	98	VAL
12	A	131	THR
12	A	145	LEU
12	A	180	ARG
12	A	208	THR
12	A	227	THR
12	A	234	GLU
12	A	237	VAL
12	A	269	THR
12	A	271	ARG

Model ID	Chain	Residue ID	Residue type
12	A	286	THR
12	A	291	ILE
12	A	301	LEU
12	A	325	VAL
12	A	338	PHE
12	A	348	GLU
12	A	373	ILE
12	A	403	GLU
12	A	409	ASN
12	A	465	THR
12	A	482	LEU
12	A	499	ASN
12	A	507	LEU
12	A	515	ILE
12	B	4	ILE
12	B	22	VAL
12	B	24	ILE
12	B	28	ARG
12	B	31	ASN
12	B	38	VAL
12	B	60	LEU
12	B	62	VAL
12	B	81	VAL

Model ID	Chain	Residue ID	Residue type
12	B	83	ILE
12	B	94	ILE
12	B	98	VAL
12	B	131	THR
12	B	145	LEU
12	B	180	ARG
12	B	208	THR
12	B	227	THR
12	B	234	GLU
12	B	237	VAL
12	B	269	THR
12	B	271	ARG
12	B	286	THR
12	B	291	ILE
12	B	301	LEU
12	B	325	VAL
12	B	338	PHE
12	B	348	GLU
12	B	373	ILE
12	B	403	GLU
12	B	409	ASN
12	B	465	THR
12	B	482	LEU

Model ID	Chain	Residue ID	Residue type
12	B	499	ASN
12	B	507	LEU
12	B	515	ILE
13	A	4	ILE
13	A	22	VAL
13	A	24	ILE
13	A	28	ARG
13	A	31	ASN
13	A	38	VAL
13	A	60	LEU
13	A	62	VAL
13	A	81	VAL
13	A	83	ILE
13	A	94	ILE
13	A	98	VAL
13	A	131	THR
13	A	145	LEU
13	A	180	ARG
13	A	208	THR
13	A	227	THR
13	A	234	GLU
13	A	237	VAL
13	A	269	THR

Model ID	Chain	Residue ID	Residue type
13	A	271	ARG
13	A	286	THR
13	A	291	ILE
13	A	301	LEU
13	A	325	VAL
13	A	338	PHE
13	A	348	GLU
13	A	373	ILE
13	A	403	GLU
13	A	409	ASN
13	A	465	THR
13	A	482	LEU
13	A	499	ASN
13	A	507	LEU
13	A	515	ILE
13	B	4	ILE
13	B	22	VAL
13	B	24	ILE
13	B	28	ARG
13	B	31	ASN
13	B	38	VAL
13	B	60	LEU
13	B	62	VAL

Model ID	Chain	Residue ID	Residue type
13	B	81	VAL
13	B	83	ILE
13	B	94	ILE
13	B	98	VAL
13	B	131	THR
13	B	145	LEU
13	B	180	ARG
13	B	208	THR
13	B	227	THR
13	B	234	GLU
13	B	237	VAL
13	B	269	THR
13	B	271	ARG
13	B	286	THR
13	B	291	ILE
13	B	301	LEU
13	B	325	VAL
13	B	338	PHE
13	B	348	GLU
13	B	373	ILE
13	B	403	GLU
13	B	409	ASN
13	B	465	THR

Model ID	Chain	Residue ID	Residue type
13	B	482	LEU
13	B	499	ASN
13	B	507	LEU
13	B	515	ILE
14	A	4	ILE
14	A	22	VAL
14	A	24	ILE
14	A	28	ARG
14	A	31	ASN
14	A	38	VAL
14	A	60	LEU
14	A	62	VAL
14	A	81	VAL
14	A	83	ILE
14	A	94	ILE
14	A	98	VAL
14	A	131	THR
14	A	145	LEU
14	A	180	ARG
14	A	208	THR
14	A	227	THR
14	A	234	GLU
14	A	237	VAL

Model ID	Chain	Residue ID	Residue type
14	A	269	THR
14	A	271	ARG
14	A	286	THR
14	A	291	ILE
14	A	301	LEU
14	A	325	VAL
14	A	338	PHE
14	A	348	GLU
14	A	373	ILE
14	A	403	GLU
14	A	409	ASN
14	A	465	THR
14	A	482	LEU
14	A	499	ASN
14	A	507	LEU
14	A	515	ILE
14	B	4	ILE
14	B	22	VAL
14	B	24	ILE
14	B	28	ARG
14	B	31	ASN
14	B	38	VAL
14	B	60	LEU

Model ID	Chain	Residue ID	Residue type
14	B	62	VAL
14	B	81	VAL
14	B	83	ILE
14	B	94	ILE
14	B	98	VAL
14	B	131	THR
14	B	145	LEU
14	B	180	ARG
14	B	208	THR
14	B	227	THR
14	B	234	GLU
14	B	237	VAL
14	B	269	THR
14	B	271	ARG
14	B	286	THR
14	B	291	ILE
14	B	301	LEU
14	B	325	VAL
14	B	338	PHE
14	B	348	GLU
14	B	373	ILE
14	B	403	GLU
14	B	409	ASN

Model ID	Chain	Residue ID	Residue type
14	B	465	THR
14	B	482	LEU
14	B	499	ASN
14	B	507	LEU
14	B	515	ILE
15	A	4	ILE
15	A	22	VAL
15	A	24	ILE
15	A	28	ARG
15	A	31	ASN
15	A	38	VAL
15	A	60	LEU
15	A	62	VAL
15	A	81	VAL
15	A	83	ILE
15	A	94	ILE
15	A	98	VAL
15	A	131	THR
15	A	145	LEU
15	A	180	ARG
15	A	208	THR
15	A	227	THR
15	A	234	GLU

Model ID	Chain	Residue ID	Residue type
15	A	237	VAL
15	A	269	THR
15	A	271	ARG
15	A	286	THR
15	A	291	ILE
15	A	301	LEU
15	A	325	VAL
15	A	338	PHE
15	A	348	GLU
15	A	373	ILE
15	A	403	GLU
15	A	409	ASN
15	A	465	THR
15	A	482	LEU
15	A	499	ASN
15	A	507	LEU
15	A	515	ILE
15	B	4	ILE
15	B	22	VAL
15	B	24	ILE
15	B	28	ARG
15	B	31	ASN
15	B	38	VAL

Model ID	Chain	Residue ID	Residue type
15	B	60	LEU
15	B	62	VAL
15	B	81	VAL
15	B	83	ILE
15	B	94	ILE
15	B	98	VAL
15	B	131	THR
15	B	145	LEU
15	B	180	ARG
15	B	208	THR
15	B	227	THR
15	B	234	GLU
15	B	237	VAL
15	B	269	THR
15	B	271	ARG
15	B	286	THR
15	B	291	ILE
15	B	301	LEU
15	B	325	VAL
15	B	338	PHE
15	B	348	GLU
15	B	373	ILE
15	B	403	GLU

Model ID	Chain	Residue ID	Residue type
15	B	409	ASN
15	B	465	THR
15	B	482	LEU
15	B	499	ASN
15	B	507	LEU
15	B	515	ILE
16	A	4	ILE
16	A	22	VAL
16	A	24	ILE
16	A	28	ARG
16	A	31	ASN
16	A	38	VAL
16	A	60	LEU
16	A	62	VAL
16	A	81	VAL
16	A	83	ILE
16	A	94	ILE
16	A	98	VAL
16	A	131	THR
16	A	145	LEU
16	A	180	ARG
16	A	208	THR
16	A	227	THR

Model ID	Chain	Residue ID	Residue type
16	A	234	GLU
16	A	237	VAL
16	A	269	THR
16	A	271	ARG
16	A	286	THR
16	A	291	ILE
16	A	301	LEU
16	A	325	VAL
16	A	338	PHE
16	A	348	GLU
16	A	373	ILE
16	A	403	GLU
16	A	409	ASN
16	A	465	THR
16	A	482	LEU
16	A	499	ASN
16	A	507	LEU
16	A	515	ILE
16	B	4	ILE
16	B	22	VAL
16	B	24	ILE
16	B	28	ARG
16	B	31	ASN

Model ID	Chain	Residue ID	Residue type
16	B	38	VAL
16	B	60	LEU
16	B	62	VAL
16	B	81	VAL
16	B	83	ILE
16	B	94	ILE
16	B	98	VAL
16	B	131	THR
16	B	145	LEU
16	B	180	ARG
16	B	208	THR
16	B	227	THR
16	B	234	GLU
16	B	237	VAL
16	B	269	THR
16	B	271	ARG
16	B	286	THR
16	B	291	ILE
16	B	301	LEU
16	B	325	VAL
16	B	338	PHE
16	B	348	GLU
16	B	373	ILE

Model ID	Chain	Residue ID	Residue type
16	B	403	GLU
16	B	409	ASN
16	B	465	THR
16	B	482	LEU
16	B	499	ASN
16	B	507	LEU
16	B	515	ILE
17	A	4	ILE
17	A	22	VAL
17	A	24	ILE
17	A	28	ARG
17	A	31	ASN
17	A	38	VAL
17	A	60	LEU
17	A	62	VAL
17	A	81	VAL
17	A	83	ILE
17	A	94	ILE
17	A	98	VAL
17	A	131	THR
17	A	145	LEU
17	A	180	ARG
17	A	208	THR

Model ID	Chain	Residue ID	Residue type
17	A	227	THR
17	A	234	GLU
17	A	237	VAL
17	A	269	THR
17	A	271	ARG
17	A	286	THR
17	A	291	ILE
17	A	301	LEU
17	A	325	VAL
17	A	338	PHE
17	A	348	GLU
17	A	373	ILE
17	A	403	GLU
17	A	409	ASN
17	A	465	THR
17	A	482	LEU
17	A	499	ASN
17	A	507	LEU
17	A	515	ILE
17	B	4	ILE
17	B	22	VAL
17	B	24	ILE
17	B	28	ARG

Model ID	Chain	Residue ID	Residue type
17	B	31	ASN
17	B	38	VAL
17	B	60	LEU
17	B	62	VAL
17	B	81	VAL
17	B	83	ILE
17	B	94	ILE
17	B	98	VAL
17	B	131	THR
17	B	145	LEU
17	B	180	ARG
17	B	208	THR
17	B	227	THR
17	B	234	GLU
17	B	237	VAL
17	B	269	THR
17	B	271	ARG
17	B	286	THR
17	B	291	ILE
17	B	301	LEU
17	B	325	VAL
17	B	338	PHE
17	B	348	GLU

Model ID	Chain	Residue ID	Residue type
17	B	373	ILE
17	B	403	GLU
17	B	409	ASN
17	B	465	THR
17	B	482	LEU
17	B	499	ASN
17	B	507	LEU
17	B	515	ILE
18	A	4	ILE
18	A	22	VAL
18	A	24	ILE
18	A	28	ARG
18	A	31	ASN
18	A	38	VAL
18	A	60	LEU
18	A	62	VAL
18	A	81	VAL
18	A	83	ILE
18	A	94	ILE
18	A	98	VAL
18	A	131	THR
18	A	145	LEU
18	A	180	ARG

Model ID	Chain	Residue ID	Residue type
18	A	208	THR
18	A	227	THR
18	A	234	GLU
18	A	237	VAL
18	A	269	THR
18	A	271	ARG
18	A	286	THR
18	A	291	ILE
18	A	301	LEU
18	A	325	VAL
18	A	338	PHE
18	A	348	GLU
18	A	373	ILE
18	A	403	GLU
18	A	409	ASN
18	A	465	THR
18	A	482	LEU
18	A	499	ASN
18	A	507	LEU
18	A	515	ILE
18	B	4	ILE
18	B	22	VAL
18	B	24	ILE

Model ID	Chain	Residue ID	Residue type
18	B	28	ARG
18	B	31	ASN
18	B	38	VAL
18	B	60	LEU
18	B	62	VAL
18	B	81	VAL
18	B	83	ILE
18	B	94	ILE
18	B	98	VAL
18	B	131	THR
18	B	145	LEU
18	B	180	ARG
18	B	208	THR
18	B	227	THR
18	B	234	GLU
18	B	237	VAL
18	B	269	THR
18	B	271	ARG
18	B	286	THR
18	B	291	ILE
18	B	301	LEU
18	B	325	VAL
18	B	338	PHE

Model ID	Chain	Residue ID	Residue type
18	B	348	GLU
18	B	373	ILE
18	B	403	GLU
18	B	409	ASN
18	B	465	THR
18	B	482	LEU
18	B	499	ASN
18	B	507	LEU
18	B	515	ILE
19	A	4	ILE
19	A	22	VAL
19	A	24	ILE
19	A	28	ARG
19	A	31	ASN
19	A	38	VAL
19	A	60	LEU
19	A	62	VAL
19	A	81	VAL
19	A	83	ILE
19	A	94	ILE
19	A	98	VAL
19	A	131	THR
19	A	145	LEU

Model ID	Chain	Residue ID	Residue type
19	A	180	ARG
19	A	208	THR
19	A	227	THR
19	A	234	GLU
19	A	237	VAL
19	A	269	THR
19	A	271	ARG
19	A	286	THR
19	A	291	ILE
19	A	301	LEU
19	A	325	VAL
19	A	338	PHE
19	A	348	GLU
19	A	373	ILE
19	A	403	GLU
19	A	409	ASN
19	A	465	THR
19	A	482	LEU
19	A	499	ASN
19	A	507	LEU
19	A	515	ILE
19	B	4	ILE
19	B	22	VAL

Model ID	Chain	Residue ID	Residue type
19	B	24	ILE
19	B	28	ARG
19	B	31	ASN
19	B	38	VAL
19	B	60	LEU
19	B	62	VAL
19	B	81	VAL
19	B	83	ILE
19	B	94	ILE
19	B	98	VAL
19	B	131	THR
19	B	145	LEU
19	B	180	ARG
19	B	208	THR
19	B	227	THR
19	B	234	GLU
19	B	237	VAL
19	B	269	THR
19	B	271	ARG
19	B	286	THR
19	B	291	ILE
19	B	301	LEU
19	B	325	VAL

Model ID	Chain	Residue ID	Residue type
19	B	338	PHE
19	B	348	GLU
19	B	373	ILE
19	B	403	GLU
19	B	409	ASN
19	B	465	THR
19	B	482	LEU
19	B	499	ASN
19	B	507	LEU
19	B	515	ILE
20	A	4	ILE
20	A	22	VAL
20	A	24	ILE
20	A	28	ARG
20	A	31	ASN
20	A	38	VAL
20	A	60	LEU
20	A	62	VAL
20	A	81	VAL
20	A	83	ILE
20	A	94	ILE
20	A	98	VAL
20	A	131	THR

Model ID	Chain	Residue ID	Residue type
20	A	145	LEU
20	A	180	ARG
20	A	208	THR
20	A	227	THR
20	A	234	GLU
20	A	237	VAL
20	A	269	THR
20	A	271	ARG
20	A	286	THR
20	A	291	ILE
20	A	301	LEU
20	A	325	VAL
20	A	338	PHE
20	A	348	GLU
20	A	373	ILE
20	A	403	GLU
20	A	409	ASN
20	A	465	THR
20	A	482	LEU
20	A	499	ASN
20	A	507	LEU
20	A	515	ILE
20	B	4	ILE

Model ID	Chain	Residue ID	Residue type
20	B	22	VAL
20	B	24	ILE
20	B	28	ARG
20	B	31	ASN
20	B	38	VAL
20	B	60	LEU
20	B	62	VAL
20	B	81	VAL
20	B	83	ILE
20	B	94	ILE
20	B	98	VAL
20	B	131	THR
20	B	145	LEU
20	B	180	ARG
20	B	208	THR
20	B	227	THR
20	B	234	GLU
20	B	237	VAL
20	B	269	THR
20	B	271	ARG
20	B	286	THR
20	B	291	ILE
20	B	301	LEU

Model ID	Chain	Residue ID	Residue type
20	B	325	VAL
20	B	338	PHE
20	B	348	GLU
20	B	373	ILE
20	B	403	GLU
20	B	409	ASN
20	B	465	THR
20	B	482	LEU
20	B	499	ASN
20	B	507	LEU
20	B	515	ILE

Fit of model to data used for modeling ?

SAS data used in this integrative model could not be validated as the sascif file is currently unavailable.

Fit of model to data used for validation ?

Validation for this section is under development.

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