Integrative Structure Validation Report

July 22, 2024 - 05:32 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	9A44
PDB-Dev ID	PDBDEV_00000225
Structure Title	Man5 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

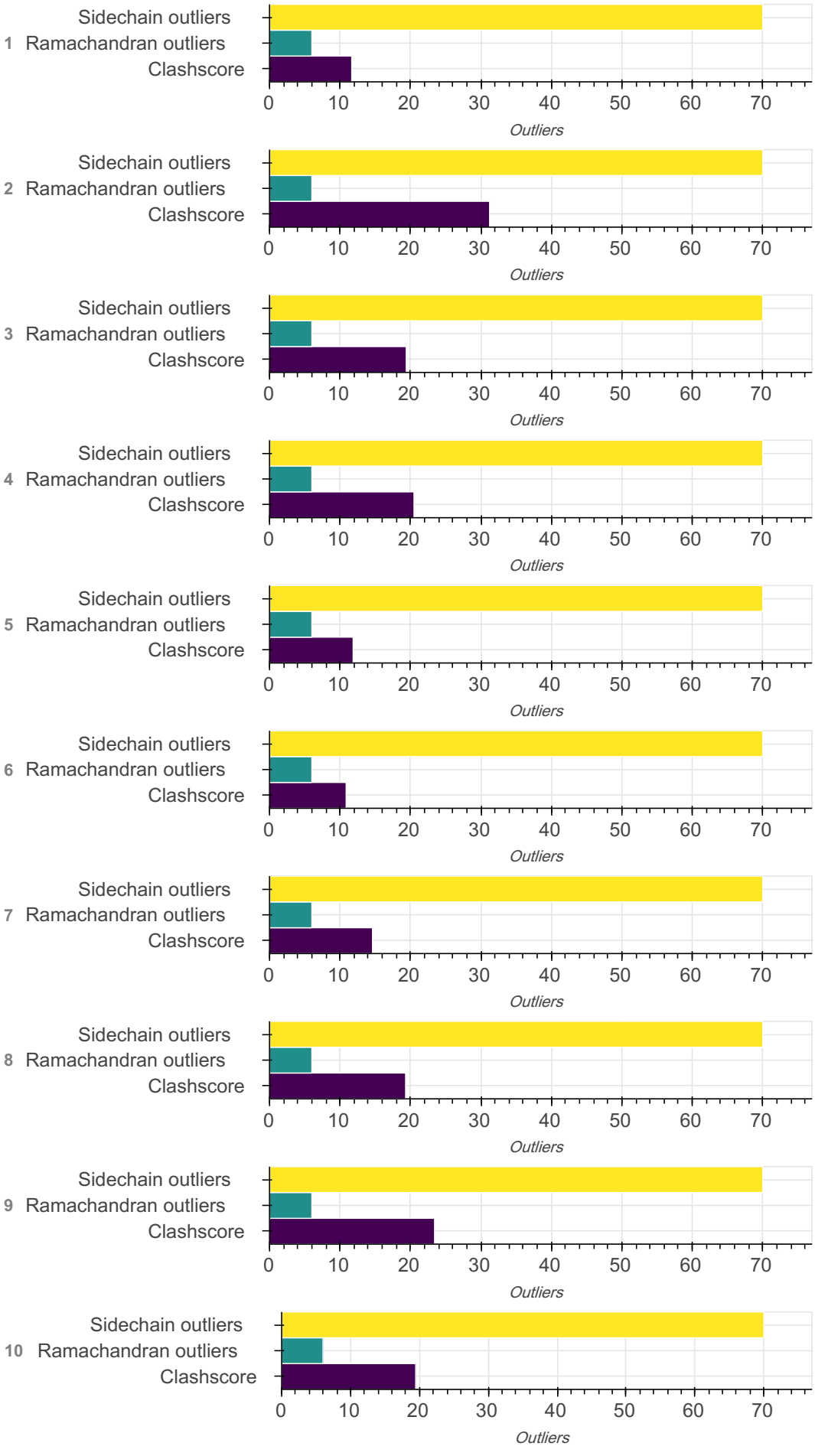
A user guide is available at https://pdb-dev.wwpdb.org/validation_help.html with specific help available everywhere you see the ? symbol.

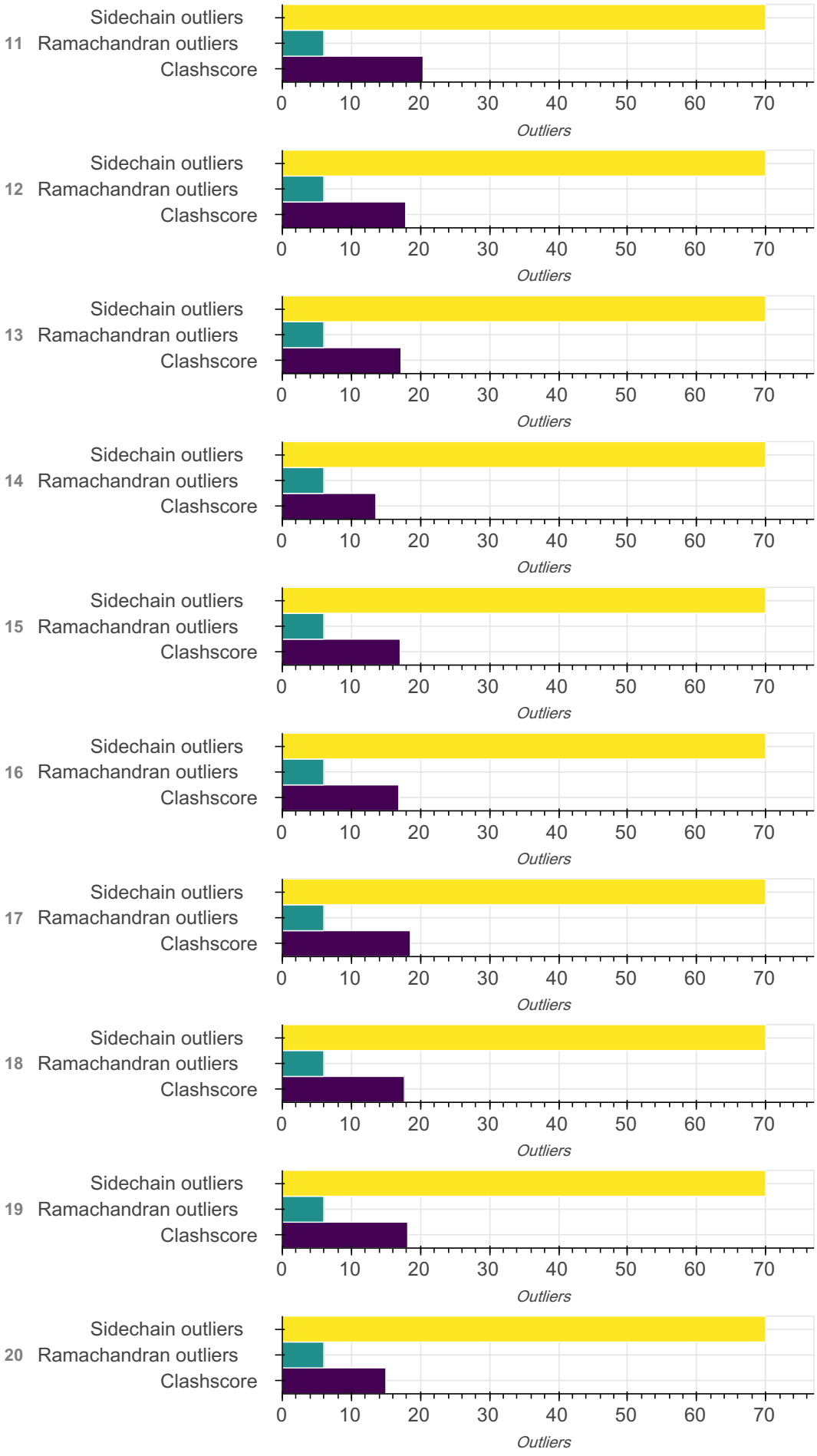
List of references used to build this report is available here.

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


1
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
2
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
3
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
4
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
5
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
6
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
7
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
8
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
9
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
10
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers


11
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
12
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
13
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
14
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
15
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
16
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
17
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
18
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
19
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers
20
Sidechain outliers
Ramachandran outliers
Clashscore
0 10 20 30 40 50 60 70
Outliers

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-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
1	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
1	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
1	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
1	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
1	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
1	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
1	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
1	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
1	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
1	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
1	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
1	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
2	1	1	Cadherin-2	A	A	541
2	2	1	Cadherin-2	B	B	541
2	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
2	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
2	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
2	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
2	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
2	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
2	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
2	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
2	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
3	1	1	Cadherin-2	A	A	541
3	2	1	Cadherin-2	B	B	541

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
3	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
3	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
3	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
3	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
3	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
3	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
3	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
3	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
3	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
4	1	1	Cadherin-2	A	A	541
4	2	1	Cadherin-2	B	B	541
4	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
4	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
4	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
4	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
4	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
4	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
4	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
4	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
4	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
5	1	1	Cadherin-2	A	A	541
5	2	1	Cadherin-2	B	B	541
5	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
5	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
5	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
5	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
5	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
5	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
5	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
5	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
5	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
5	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
5	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
5	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
5	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
6	1	1	Cadherin-2	A	A	541
6	2	1	Cadherin-2	B	B	541
6	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
6	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
6	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
6	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
6	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
6	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
6	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
6	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
6	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
6	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
6	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
6	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
6	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
7	1	1	Cadherin-2	A	A	541
7	2	1	Cadherin-2	B	B	541
7	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
7	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
7	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
7	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
7	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
7	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
7	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
7	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
7	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
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-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
8	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
8	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
8	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
8	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
8	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
8	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
8	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
8	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
8	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
8	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
8	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
8	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
9	1	1	Cadherin-2	A	A	541
9	2	1	Cadherin-2	B	B	541
9	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
9	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
9	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
9	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
9	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
9	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
9	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
9	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
9	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
10	1	1	Cadherin-2	A	A	541
10	2	1	Cadherin-2	B	B	541
10	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
10	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
10	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
10	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
10	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
10	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
10	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
10	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
10	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
11	1	1	Cadherin-2	A	A	541
11	2	1	Cadherin-2	B	B	541
11	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
11	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
11	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
11	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
11	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
11	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
11	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
11	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
11	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
11	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
11	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
11	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
11	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
12	1	1	Cadherin-2	A	A	541
12	2	1	Cadherin-2	B	B	541
12	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
12	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
12	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
12	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
12	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
12	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
12	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
12	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
12	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
12	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
12	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
12	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
12	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
12	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
13	1	1	Cadherin-2	A	A	541
13	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
13	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
13	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
13	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
13	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
13	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
13	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
13	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
13	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
13	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
13	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
13	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
13	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
14	1	1	Cadherin-2	A	A	541
14	2	1	Cadherin-2	B	B	541
14	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
14	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
14	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
14	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
14	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
14	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
14	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
14	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
14	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
14	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
14	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
14	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
14	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
15	1	1	Cadherin-2	A	A	541
15	2	1	Cadherin-2	B	B	541
15	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
15	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
15	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
15	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
15	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
15	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
15	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
15	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
15	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
15	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
15	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
15	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
15	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
16	1	1	Cadherin-2	A	A	541
16	2	1	Cadherin-2	B	B	541
16	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
16	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
16	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
16	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
16	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
16	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
16	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
16	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
16	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
16	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
16	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
16	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
16	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
17	1	1	Cadherin-2	A	A	541
17	2	1	Cadherin-2	B	B	541
17	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
17	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
17	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
17	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
17	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
17	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
17	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
17	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
17	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
17	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
17	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
17	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
17	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
18	1	1	Cadherin-2	A	A	541
18	2	1	Cadherin-2	B	B	541

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
18	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
18	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
18	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
18	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
18	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
18	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
18	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
18	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
19	1	1	Cadherin-2	A	A	541
19	2	1	Cadherin-2	B	B	541
19	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
19	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
19	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7
19	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
19	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
19	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
19	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7
19	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
19	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
19	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
19	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7
19	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
19	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7
20	1	1	Cadherin-2	A	A	541
20	2	1	Cadherin-2	B	B	541
20	3	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	7
20	4	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	7
20	5	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	6	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	7
20	7	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	7
20	8	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	7
20	9	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	7
20	10	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	11	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	7
20	12	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	L	L	7
20	13	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	M	M	7
20	14	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	7
20	15	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	7

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	16	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	7
20	17	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	7
20	18	2	alpha-D-mannopyranose-(1-3)-[alpha-D-mannopyranose-(1-6)]alpha-D-mannopyranose-(1-6)-[alpha-D-mannopyranose-(1-3)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	7

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

Chain ID	Rigid bodies	Non-rigid segments
A	-	1-541
B	-	1-541
C	-	1-7
D	-	1-7
E	-	1-7
F	-	1-7
G	-	1-7
H	-	1-7
I	-	1-7
J	-	1-7
K	-	1-7
L	-	1-7
M	-	1-7
N	-	1-7
O	-	1-7
P	-	1-7
Q	-	1-7
R	-	1-7

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

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	None	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, molprobity 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 268 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

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
C3-C4-O4	107.29	123.88	2
C5-C4-O4	111.70	95.21	2
C5-C4-O4	111.70	95.55	2
C3-C4-O4	107.29	123.38	2
C3-C4-O4	107.29	123.28	2
C3-C4-O4	107.29	123.22	2
C2-C3-O3	106.67	122.51	2
C1-C2-O2	106.80	122.34	2
C2-C3-O3	106.67	122.01	2
C1-C2-O2	106.80	121.82	2
C5-C4-O4	111.70	96.70	2
CD-NE-CZ	124.40	131.38	1
C1-O5-C5	118.82	104.00	2
C2-C3-O3	107.58	122.09	2
C3-C4-O4	107.29	121.41	2
C1-C2-O2	106.80	120.86	2
C3-C4-O4	107.29	121.30	2
C5-C4-O4	111.70	97.83	2
C3-C4-O4	107.29	121.07	2
C3-C4-O4	107.29	120.91	2
C1-C2-O2	106.80	120.36	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C3-C4-O4	107.29	120.79	2
C2-C3-O3	106.67	120.03	2
C5-C4-O4	111.70	98.37	2
C5-C4-O4	111.70	98.43	2
C1-C2-O2	106.80	120.03	2
C5-C4-O4	111.70	98.50	2
C3-C4-C5	109.38	122.57	2
C1-C2-O2	106.80	119.97	2
C1-O5-C5	118.82	105.66	2
C3-C4-O4	107.29	120.45	2
C1-C2-O2	106.80	119.94	2
C5-C4-O4	111.70	98.56	2
C3-C4-O4	107.29	120.43	2
N-CA-CB	110.50	117.92	40
C5-C4-O4	111.70	98.60	2
C3-C4-O4	107.29	120.36	2
C6-C5-O5	109.44	96.43	2
C2-C3-O3	106.67	119.59	2
C2-C3-O3	107.58	120.47	2
C5-C4-O4	111.70	98.81	2
C2-C3-O3	107.58	120.45	2
C3-C4-O4	107.06	119.92	2
C2-C3-O3	107.58	120.40	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C3-C4-O4	107.29	120.09	2
C1-O5-C5	118.82	106.04	2
C1-O5-C5	118.82	106.12	2
C3-C4-O4	107.29	119.94	2
C5-C4-O4	111.70	99.08	2
C1-O5-C5	118.82	106.21	2
C1-C2-O2	106.80	119.40	2
C6-C5-O5	108.73	96.16	2
C1-C2-O2	108.40	120.97	2
C3-C4-O4	107.29	119.84	2
C6-C5-O5	107.28	119.80	2
C3-C4-O4	107.29	119.79	2
C3-C4-O4	107.29	119.78	2
C2-C1-O5	110.06	97.60	2
C3-C4-C5	109.38	121.83	2
C1-C2-O2	106.80	119.23	2
C1-C2-O2	108.40	120.82	2
C3-C4-O4	107.06	119.48	2
NE-CZ-NH1	121.50	117.37	1
C1-C2-O2	106.80	119.19	2
NE-CZ-NH2	119.20	122.90	1
C1-C2-O2	106.80	119.09	2
O-C-N	123.00	116.46	1

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C4-C5-C6	111.68	123.93	4
C6-C5-O5	107.28	119.53	2
C3-C4-O4	107.29	119.46	2
C4-C5-O5	113.24	101.10	2
C2-C1-O5	111.43	99.30	2
C2-C1-O5	111.43	99.31	2
C2-C3-O3	107.58	119.69	2
C2-C1-O5	111.43	99.32	2
C1-C2-O2	108.40	120.49	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	11.66	119
2	31.23	318
3	19.40	198
4	20.50	209
5	11.86	121
6	10.87	111
7	14.61	149
8	19.31	197
9	23.42	239
10	19.45	198

Model ID	Clash score	Number of clashes
11	20.38	208
12	17.86	182
13	17.19	175
14	13.54	138
15	17.06	174
16	16.86	172
17	18.54	189
18	17.67	180
19	18.15	185
20	14.99	153

All 3615 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	A:469:TYR:HE1	J:2:NAG:C2	1.443
1	B:469:TYR:HE1	R:2:NAG:C2	1.435
1	A:469:TYR:CE1	J:2:NAG:C2	1.332
1	B:469:TYR:CE1	R:2:NAG:C2	1.331
1	B:463:ASN:ND2	P:1:NAG:C1	1.267
1	A:463:ASN:ND2	H:1:NAG:C1	1.266
1	A:148:ARG:HD2	E:1:NAG:H62	1.109
1	B:148:ARG:HD2	M:1:NAG:H62	1.103
1	B:148:ARG:HE	M:1:NAG:H61	1.088
1	A:148:ARG:HE	E:1:NAG:H61	1.084
1	A:463:ASN:HD22	H:1:NAG:C1	1.081

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:463:ASN:HD22	P:1:NAG:C1	1.078
1	A:445:GLN:O	J:1:NAG:CT	1.054
1	B:445:GLN:O	R:1:NAG:CT	1.054
1	B:148:ARG:NE	M:1:NAG:H61	1.012
1	A:148:ARG:NE	E:1:NAG:H61	1.011
1	A:148:ARG:HE	E:1:NAG:C6	1.008
1	B:148:ARG:HE	M:1:NAG:C6	1.006
1	A:148:ARG:CD	E:1:NAG:H62	0.992
1	B:148:ARG:CD	M:1:NAG:H62	0.992
1	A:114:ASN:ND2	D:1:NAG:C1	0.940
1	B:114:ASN:ND2	L:1:NAG:C1	0.940
1	A:148:ARG:NE	E:1:NAG:C6	0.928
1	B:148:ARG:NE	M:1:NAG:C6	0.926
1	A:501:ASP:OD2	A:502:PHE:HD2	0.837
1	B:501:ASP:OD2	B:502:PHE:HD2	0.835
1	A:148:ARG:HD2	E:1:NAG:C6	0.830
1	A:469:TYR:CE1	J:2:NAG:C1	0.830
1	B:148:ARG:HD2	M:1:NAG:C6	0.830
1	B:469:TYR:CE1	R:2:NAG:C1	0.828
1	A:148:ARG:CD	E:1:NAG:C6	0.819
1	B:148:ARG:CD	M:1:NAG:C6	0.817
1	B:469:TYR:CE1	R:2:NAG:O5	0.811
1	A:469:TYR:CE1	J:2:NAG:O5	0.809

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:114:ASN:HD22	D:1:NAG:C1	0.796
1	B:114:ASN:HD22	L:1:NAG:C1	0.793
1	A:469:TYR:HE1	J:2:NAG:C1	0.784
1	B:469:TYR:HE1	R:2:NAG:C1	0.784
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	A:114:ASN:ND2	D:1:NAG:O5	0.708
1	B:114:ASN:ND2	L:1:NAG:O5	0.708
1	A:148:ARG:HB3	E:1:NAG:H62	0.703
1	B:148:ARG:HB3	M:1:NAG:H62	0.701
1	A:498:LEU:HB2	A:502:PHE:O	0.691
1	B:498:LEU:HB2	B:502:PHE:O	0.690
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	B:499:ASN:H	B:499:ASN:ND2	0.669
1	A:199:PRO:HB3	E:5:MAN:H61	0.651
1	B:199:PRO:HB3	M:5:MAN:H61	0.650
1	B:405:PRO:HG2	R:4:MAN:H62	0.633

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:405:PRO:HG2	J:4:MAN:H62	0.632
1	B:28:ARG:CG	B:28:ARG:HH11	0.614
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:469:TYR:CD1	J:2:NAG:C2	0.592
1	B:469:TYR:CD1	R:2:NAG:C2	0.592
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:391:ASN:HB3	A:393:GLN:HG3	0.560
1	B:391:ASN:HB3	B:393:GLN:HG3	0.560
1	A:511:PHE:CB	I:1:NAG:O6	0.552
1	B:28:ARG:HG2	B:28:ARG:HH11	0.552
1	B:511:PHE:CB	Q:1:NAG:O6	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
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	A:359:THR:HG22	A:393:GLN:HG2	0.536
1	B:359:THR:HG22	B:393:GLN:HG2	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:499:ASN:N	A:499:ASN:HD22	0.499
1	B:499:ASN:N	B:499:ASN:HD22	0.497
1	A:148:ARG:HB3	E:1:NAG:C6	0.490
1	B:148:ARG:HB3	M:1:NAG:C6	0.489
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:166:ASN:HD22	E:1:NAG:C1	0.476
1	B:166:ASN:HD22	M:1:NAG:C1	0.476
1	B:148:ARG:CB	M:1:NAG:H62	0.467
1	A:148:ARG:CB	E:1:NAG:H62	0.465
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:166:ASN:HB3	E:1:NAG:C1	0.445
1	B:166:ASN:HB3	M:1:NAG:C1	0.445
1	A:341:ASN:CB	A:342:PRO:HD3	0.441
1	B:341:ASN:CB	B:342:PRO:HD3	0.441
1	B:33:SER:HB3	B:83:ILE:HD12	0.440
1	A:33:SER:HB3	A:83:ILE:HD12	0.439
1	A:467:LEU:HD13	J:2:NAG:O6	0.438
1	B:467:LEU:HD13	R:2:NAG:O6	0.438

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:485:SER:HA	A:486:PRO:C	0.435
1	B:485:SER:HA	B:486:PRO:C	0.435
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:463:ASN:HD21	H:1:NAG:C1	0.407
1	B:463:ASN:HD21	P:1:NAG:C1	0.402
1	A:262:ARG:HH12	A:264:SER:HA	0.401
1	B:262:ARG:HH12	B:264:SER:HA	0.401
2	A:445:GLN:HE22	J:1:NAG:C1	1.441
2	B:445:GLN:HE22	R:1:NAG:C1	1.441
2	A:189:ILE:HG13	E:5:MAN:C6	1.335
2	B:189:ILE:HG13	M:5:MAN:C6	1.334
2	A:517:GLU:CD	J:6:MAN:O4	1.289
2	B:517:GLU:CD	R:6:MAN:O4	1.288
2	B:445:GLN:NE2	R:1:NAG:C1	1.251

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:445:GLN:NE2	J:1:NAG:C1	1.250
2	B:189:ILE:HG21	M:5:MAN:O6	1.240
2	A:189:ILE:HG21	E:5:MAN:O6	1.234
2	A:151:SER:HB3	E:4:MAN:O2	1.227
2	B:151:SER:HB3	M:4:MAN:O2	1.223
2	A:151:SER:CB	E:4:MAN:O2	1.217
2	B:151:SER:CB	M:4:MAN:O2	1.215
2	A:86:ASN:N	C:6:MAN:O3	1.185
2	B:86:ASN:N	K:6:MAN:O3	1.184
2	A:150:LEU:O	E:4:MAN:H2	1.183
2	B:150:LEU:O	M:4:MAN:H2	1.179
2	A:415:THR:C	G:2:NAG:CT	1.160
2	B:415:THR:C	O:2:NAG:CT	1.160
2	B:189:ILE:CG2	M:5:MAN:O6	1.142
2	A:189:ILE:CG2	E:5:MAN:O6	1.139
2	B:517:GLU:CG	R:6:MAN:O4	1.138
2	A:517:GLU:CG	J:6:MAN:O4	1.137
2	B:189:ILE:HG13	M:5:MAN:H62	1.126
2	A:189:ILE:HG13	E:5:MAN:H62	1.117
2	B:417:LEU:HB3	O:5:MAN:H61	1.115
2	A:417:LEU:HB3	G:5:MAN:H61	1.110
2	A:189:ILE:CG1	E:5:MAN:O6	1.108
2	B:189:ILE:CG1	M:5:MAN:O6	1.108

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:532:ASN:ND2	J:1:NAG:C1	1.086
2	B:532:ASN:ND2	R:1:NAG:C1	1.086
2	A:379:SER:HB3	G:1:NAG:H4	1.084
2	B:379:SER:HB3	O:1:NAG:H4	1.080
2	B:417:LEU:HB3	O:5:MAN:C6	1.073
2	A:417:LEU:HB3	G:5:MAN:C6	1.071
2	A:517:GLU:CD	J:6:MAN:HO4	1.039
2	B:517:GLU:CD	R:6:MAN:HO4	1.034
2	A:84:ASN:HB3	C:6:MAN:O2	1.027
2	B:84:ASN:HB3	K:6:MAN:O2	1.023
2	A:376:THR:OG1	G:5:MAN:H4	1.018
2	B:376:THR:OG1	O:5:MAN:H4	1.017
2	A:379:SER:CB	G:1:NAG:H4	1.003
2	B:379:SER:CB	O:1:NAG:H4	1.002
2	A:116:SER:OG	D:2:NAG:C	1.001
2	B:116:SER:OG	L:2:NAG:C	1.000
2	A:376:THR:HB	G:5:MAN:O2	0.982
2	B:376:THR:HB	O:5:MAN:O2	0.981
2	B:379:SER:HB3	O:1:NAG:C4	0.966
2	A:379:SER:HB3	G:1:NAG:C4	0.965
2	B:189:ILE:CG1	M:5:MAN:C6	0.960
2	A:189:ILE:CG1	E:5:MAN:C6	0.960
2	A:116:SER:OG	D:1:NAG:H62	0.956

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:116:SER:OG	L:1:NAG:H62	0.954
2	B:376:THR:CB	O:5:MAN:O2	0.947
2	A:376:THR:CB	G:5:MAN:O2	0.946
2	B:118:PRO:CB	L:5:MAN:H61	0.945
2	A:118:PRO:CB	D:5:MAN:H61	0.944
2	A:376:THR:HG21	G:5:MAN:O3	0.944
2	B:376:THR:HG21	O:5:MAN:O3	0.942
2	B:151:SER:HB3	M:4:MAN:HO2	0.922
2	A:460:ASN:OD1	H:1:NAG:C4	0.922
2	B:460:ASN:OD1	P:1:NAG:C4	0.920
2	A:445:GLN:CD	J:1:NAG:C1	0.903
2	B:445:GLN:CD	R:1:NAG:C1	0.902
2	A:189:ILE:HG13	E:5:MAN:O6	0.899
2	B:189:ILE:HG13	M:5:MAN:O6	0.896
2	A:532:ASN:HD21	J:1:NAG:C1	0.891
2	B:517:GLU:HB2	R:6:MAN:O3	0.890
2	B:532:ASN:HD21	R:1:NAG:C1	0.890
2	A:116:SER:C	D:2:NAG:CT	0.889
2	A:517:GLU:HB2	J:6:MAN:O3	0.889
2	B:116:SER:C	L:2:NAG:CT	0.889
2	B:189:ILE:CB	M:5:MAN:O6	0.876
2	A:189:ILE:CB	E:5:MAN:O6	0.875
2	A:459:PRO:HB2	H:2:NAG:CT	0.871

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:459:PRO:HB2	P:2:NAG:CT	0.869
2	A:151:SER:HB3	E:4:MAN:HO2	0.855
2	A:116:SER:OG	D:2:NAG:CT	0.855
2	B:116:SER:OG	L:2:NAG:CT	0.855
2	A:533:ILE:O	J:1:NAG:O	0.853
2	B:533:ILE:O	R:1:NAG:O	0.853
2	A:501:ASP:OD2	A:502:PHE:HD2	0.837
2	B:501:ASP:OD2	B:502:PHE:HD2	0.835
2	A:118:PRO:HB2	D:5:MAN:H61	0.830
2	B:118:PRO:HB2	L:5:MAN:H61	0.830
2	A:374:ARG:HG2	G:5:MAN:O4	0.828
2	B:84:ASN:CB	K:6:MAN:O2	0.825
2	B:374:ARG:HG2	O:5:MAN:O4	0.825
2	A:84:ASN:CB	C:6:MAN:O2	0.822
2	B:517:GLU:HB2	R:6:MAN:C4	0.822
2	A:517:GLU:HB2	J:6:MAN:C4	0.821
2	A:151:SER:HB3	E:4:MAN:C2	0.815
2	B:151:SER:HB3	M:4:MAN:C2	0.813
2	A:460:ASN:OD1	H:1:NAG:H4	0.804
2	B:460:ASN:OD1	P:1:NAG:H4	0.803
2	A:116:SER:OG	D:1:NAG:C6	0.801
2	B:116:SER:OG	L:1:NAG:C6	0.800
2	B:517:GLU:CB	R:6:MAN:O4	0.799

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:517:GLU:CB	J:6:MAN:O4	0.798
2	A:150:LEU:O	E:4:MAN:C2	0.796
2	B:148:ARG:HB2	M:1:NAG:H4	0.794
2	A:148:ARG:HB2	E:1:NAG:H4	0.793
2	B:150:LEU:O	M:4:MAN:C2	0.793
2	A:116:SER:CB	D:1:NAG:C6	0.782
2	B:116:SER:CB	L:1:NAG:C6	0.776
2	B:417:LEU:HD13	O:5:MAN:O6	0.775
2	A:417:LEU:HD13	G:5:MAN:O6	0.774
2	A:499:ASN:H	A:499:ASN:HD22	0.765
2	B:499:ASN:HD21	B:502:PHE:HB2	0.764
2	B:517:GLU:HB2	R:6:MAN:O4	0.764
2	A:499:ASN:HD21	A:502:PHE:HB2	0.763
2	A:517:GLU:HB2	J:6:MAN:O4	0.763
2	B:445:GLN:OE1	R:1:NAG:C1	0.763
2	A:445:GLN:OE1	J:1:NAG:C1	0.762
2	B:499:ASN:H	B:499:ASN:HD22	0.762
2	B:417:LEU:CD1	O:4:MAN:H2	0.760
2	A:417:LEU:CD1	G:4:MAN:H2	0.758
2	A:417:LEU:HB3	G:5:MAN:O6	0.758
2	A:501:ASP:OD2	A:502:PHE:CD2	0.756
2	B:417:LEU:HB3	O:5:MAN:O6	0.756
2	B:501:ASP:OD2	B:502:PHE:CD2	0.754

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:116:SER:O	D:2:NAG:CT	0.752
2	B:116:SER:O	L:2:NAG:CT	0.751
2	A:189:ILE:CD1	E:5:MAN:O6	0.744
2	A:491:ARG:NH2	I:1:NAG:CT	0.744
2	B:189:ILE:CD1	M:5:MAN:O6	0.743
2	B:491:ARG:NH2	Q:1:NAG:CT	0.743
2	A:151:SER:OG	E:5:MAN:H62	0.741
2	B:151:SER:OG	M:5:MAN:H62	0.741
2	B:532:ASN:HD22	R:1:NAG:C1	0.737
2	A:532:ASN:HD22	J:1:NAG:C1	0.735
2	A:148:ARG:HA	E:1:NAG:O6	0.731
2	A:517:GLU:CB	J:6:MAN:O3	0.730
2	B:148:ARG:HA	M:1:NAG:O6	0.730
2	B:517:GLU:CB	R:6:MAN:O3	0.730
2	A:86:ASN:HD21	C:6:MAN:H2	0.725
2	A:415:THR:OG1	G:2:NAG:C	0.723
2	B:86:ASN:HD21	K:6:MAN:H2	0.723
2	B:415:THR:OG1	O:2:NAG:C	0.722
2	B:116:SER:OG	L:2:NAG:N	0.718
2	A:116:SER:OG	D:2:NAG:N	0.716
2	B:537:ARG:NH1	R:6:MAN:O3	0.710
2	A:537:ARG:NH1	J:6:MAN:O3	0.708
2	B:537:ARG:NH1	R:6:MAN:H3	0.693

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:537:ARG:NH1	J:6:MAN:H3	0.692
2	A:498:LEU:HB2	A:502:PHE:O	0.691
2	A:189:ILE:HD12	E:5:MAN:O6	0.690
2	B:189:ILE:HD12	M:5:MAN:O6	0.690
2	B:379:SER:HB3	O:2:NAG:C1	0.690
2	B:498:LEU:HB2	B:502:PHE:O	0.690
2	A:379:SER:HB3	G:2:NAG:C1	0.688
2	B:517:GLU:HB2	R:6:MAN:C3	0.687
2	A:517:GLU:HB2	J:6:MAN:C3	0.686
2	B:376:THR:CB	O:5:MAN:HO2	0.686
2	A:189:ILE:HG21	E:5:MAN:HO6	0.681
2	B:376:THR:OG1	O:5:MAN:O2	0.681
2	A:240:ILE:HG21	F:1:NAG:O6	0.679
2	B:240:ILE:HG21	N:1:NAG:O6	0.678
2	A:376:THR:OG1	G:5:MAN:O2	0.678
2	A:376:THR:CB	G:5:MAN:HO2	0.677
2	B:499:ASN:N	B:499:ASN:ND2	0.675
2	A:499:ASN:N	A:499:ASN:ND2	0.674
2	B:189:ILE:HG21	M:5:MAN:HO6	0.671
2	B:379:SER:CB	O:2:NAG:C1	0.671
2	A:499:ASN:H	A:499:ASN:ND2	0.671
2	A:379:SER:CB	G:2:NAG:C1	0.670
2	B:499:ASN:H	B:499:ASN:ND2	0.669

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:460:ASN:OD1	H:1:NAG:O5	0.661
2	B:460:ASN:OD1	P:1:NAG:O5	0.656
2	A:379:SER:N	G:2:NAG:O	0.655
2	A:86:ASN:ND2	C:6:MAN:H2	0.654
2	B:376:THR:OG1	O:5:MAN:C4	0.653
2	B:86:ASN:ND2	K:6:MAN:H2	0.652
2	B:379:SER:N	O:2:NAG:O	0.651
2	A:376:THR:OG1	G:5:MAN:C4	0.651
2	B:415:THR:O	O:2:NAG:CT	0.644
2	A:415:THR:OG1	G:1:NAG:O4	0.644
2	B:415:THR:OG1	O:1:NAG:O4	0.644
2	A:415:THR:O	G:2:NAG:CT	0.643
2	A:517:GLU:HG3	J:6:MAN:O4	0.641
2	B:517:GLU:HG3	R:6:MAN:O4	0.641
2	B:417:LEU:CB	O:5:MAN:H61	0.641
2	A:417:LEU:CB	G:5:MAN:H61	0.636
2	A:537:ARG:NH1	J:6:MAN:C3	0.623
2	B:537:ARG:NH1	R:6:MAN:C3	0.622
2	A:417:LEU:HD13	G:4:MAN:H2	0.614
2	B:28:ARG:CG	B:28:ARG:HH11	0.614
2	A:28:ARG:CG	A:28:ARG:HH11	0.612
2	B:417:LEU:HD13	O:4:MAN:H2	0.612
2	A:341:ASN:HB3	A:342:PRO:HD3	0.610

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:341:ASN:HB3	B:342:PRO:HD3	0.610
2	A:417:LEU:HD22	G:5:MAN:O6	0.601
2	B:417:LEU:HD22	O:5:MAN:O6	0.599
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:415:THR:OG1	G:2:NAG:N	0.583
2	B:415:THR:OG1	O:2:NAG:N	0.582
2	B:148:ARG:CB	M:1:NAG:H4	0.566
2	A:148:ARG:CB	E:1:NAG:H4	0.565
2	B:460:ASN:O	P:1:NAG:C6	0.565
2	A:460:ASN:O	H:1:NAG:C6	0.563
2	A:391:ASN:HB3	A:393:GLN:HG3	0.560
2	B:391:ASN:HB3	B:393:GLN:HG3	0.560
2	A:376:THR:HG21	G:5:MAN:C3	0.556
2	B:376:THR:HG21	O:5:MAN:C3	0.556
2	A:379:SER:HB2	G:2:NAG:C1	0.553
2	A:116:SER:HB3	D:1:NAG:C6	0.552
2	B:28:ARG:HG2	B:28:ARG:HH11	0.552
2	B:379:SER:HB2	O:2:NAG:C1	0.552
2	A:28:ARG:HG2	A:28:ARG:HH11	0.551
2	B:116:SER:HB3	L:1:NAG:C6	0.548
2	B:488:THR:HG22	B:491:ARG:NH2	0.548

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:488:THR:HG22	A:491:ARG:NH2	0.547
2	A:417:LEU:CB	G:5:MAN:C6	0.546
2	A:109:LEU:H	A:109:LEU:HD12	0.545
2	B:109:LEU:H	B:109:LEU:HD12	0.545
2	B:417:LEU:CB	O:5:MAN:C6	0.545
2	B:417:LEU:CD1	O:5:MAN:O6	0.541
2	A:417:LEU:CD1	G:5:MAN:O6	0.541
2	B:105:ARG:HG2	B:203:LEU:HB3	0.540
2	B:445:GLN:OE1	R:1:NAG:N	0.540
2	A:379:SER:O	G:1:NAG:H61	0.539
2	A:445:GLN:OE1	J:1:NAG:N	0.539
2	B:379:SER:O	O:1:NAG:H61	0.538
2	A:359:THR:HG22	A:393:GLN:HG2	0.536
2	B:359:THR:HG22	B:393:GLN:HG2	0.536
2	B:189:ILE:HD12	M:5:MAN:HO6	0.529
2	A:84:ASN:O	C:6:MAN:H4	0.520
2	B:84:ASN:O	K:6:MAN:H4	0.519
2	B:240:ILE:HD13	N:1:NAG:O6	0.516
2	A:240:ILE:HD13	F:1:NAG:O6	0.514
2	A:417:LEU:CB	G:5:MAN:O6	0.510
2	B:417:LEU:CB	O:5:MAN:O6	0.509
2	B:32:LEU:HD11	K:2:NAG:CT	0.506
2	A:32:LEU:HD11	C:2:NAG:CT	0.504

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:491:ARG:HH21	I:1:NAG:CT	0.503
2	B:491:ARG:HH21	Q:1:NAG:CT	0.501
2	A:499:ASN:N	A:499:ASN:HD22	0.499
2	B:499:ASN:N	B:499:ASN:HD22	0.497
2	B:118:PRO:HB3	L:5:MAN:H61	0.489
2	A:445:GLN:OE1	J:1:NAG:C2	0.487
2	B:445:GLN:OE1	R:1:NAG:C2	0.487
2	B:151:SER:HB2	M:4:MAN:O2	0.487
2	A:118:PRO:HB3	D:5:MAN:H61	0.485
2	A:151:SER:HB2	E:4:MAN:O2	0.482
2	A:374:ARG:HG2	G:5:MAN:HO4	0.480
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:189:ILE:HD12	E:5:MAN:HO6	0.478
2	A:417:LEU:CG	G:5:MAN:O6	0.478
2	B:374:ARG:HG2	O:5:MAN:HO4	0.478
2	A:423:ILE:HB	A:424:PRO:HD3	0.477
2	B:417:LEU:CG	O:5:MAN:O6	0.477
2	A:537:ARG:HH12	J:6:MAN:H3	0.477
2	B:537:ARG:HH12	R:6:MAN:H3	0.476
2	B:118:PRO:CG	L:5:MAN:H61	0.469
2	A:118:PRO:CG	D:5:MAN:H61	0.467

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:517:GLU:OE1	R:6:MAN:O4	0.465
2	B:86:ASN:ND2	K:6:MAN:C2	0.458
2	A:517:GLU:OE1	J:6:MAN:O4	0.458
2	A:528:PRO:HA	A:529:PRO:HD3	0.457
2	B:528:PRO:HA	B:529:PRO:HD3	0.454
2	A:86:ASN:ND2	C:6:MAN:C2	0.453
2	A:77:ARG:HH21	A:91:PRO:HB2	0.451
2	B:415:THR:CB	O:2:NAG:C	0.449
2	A:415:THR:CB	G:2:NAG:C	0.448
2	B:535:ILE:HG23	R:6:MAN:H4	0.445
2	B:151:SER:CB	M:4:MAN:HO2	0.444
2	B:116:SER:HG	L:1:NAG:H62	0.442
2	A:341:ASN:CB	A:342:PRO:HD3	0.441
2	B:150:LEU:HD13	M:5:MAN:O2	0.441
2	B:341:ASN:CB	B:342:PRO:HD3	0.441
2	B:33:SER:HB3	B:83:ILE:HD12	0.440
2	A:33:SER:HB3	A:83:ILE:HD12	0.439
2	A:150:LEU:HD13	E:5:MAN:O2	0.439
2	A:535:ILE:HG23	J:6:MAN:H4	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	A:376:THR:HG21	G:5:MAN:HO3	0.434
2	A:118:PRO:CB	D:5:MAN:C6	0.433

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	A:386:LYS:HD2	A:397:ILE:HD11	0.433
2	B:118:PRO:CB	L:5:MAN:C6	0.433
2	B:376:THR:HG21	O:5:MAN:HO3	0.433
2	B:533:ILE:C	R:1:NAG:O	0.433
2	B:532:ASN:ND2	R:1:NAG:C2	0.432
2	B:386:LYS:HD2	B:397:ILE:HD11	0.431
2	A:533:ILE:C	J:1:NAG:O	0.431
2	A:532:ASN:ND2	J:1:NAG:C2	0.430
2	A:417:LEU:HD13	G:5:MAN:O5	0.429
2	A:417:LEU:CD1	G:5:MAN:O5	0.428
2	B:417:LEU:HD13	O:5:MAN:O5	0.428
2	A:527:ASN:HA	A:528:PRO:C	0.427
2	B:527:ASN:HA	B:528:PRO:C	0.427
2	A:116:SER:HG	D:1:NAG:H62	0.427
2	B:417:LEU:CD1	O:5:MAN:O5	0.426
2	A:378:LEU:HD12	A:417:LEU:HG	0.421
2	B:378:LEU:HD12	B:417:LEU:HG	0.421
2	B:189:ILE:CG1	M:5:MAN:H62	0.421
2	A:189:ILE:CG1	E:5:MAN:H62	0.420
2	A:535:ILE:HD13	J:6:MAN:C3	0.414
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:535:ILE:HD13	R:6:MAN:C3	0.412
2	A:423:ILE:O	A:425:PRO:HD3	0.411
2	B:417:LEU:CD2	O:5:MAN:O6	0.411
2	B:240:ILE:HG21	N:1:NAG:C6	0.409
2	A:417:LEU:CD2	G:5:MAN:O6	0.409
2	A:240:ILE:HG21	F:1:NAG:C6	0.407
2	A:148:ARG:CA	E:1:NAG:O6	0.406
2	A:517:GLU:HB3	J:6:MAN:O3	0.406
2	B:517:GLU:HB3	R:6:MAN:O3	0.405
2	B:148:ARG:CA	M:1:NAG:O6	0.403
2	A:262:ARG:HH12	A:264:SER:HA	0.401
2	B:262:ARG:HH12	B:264:SER:HA	0.401
3	A:488:THR:HB	I:1:NAG:CT	1.602
3	B:488:THR:HB	Q:1:NAG:CT	1.597
3	B:463:ASN:HD21	P:1:NAG:C1	1.460
3	A:463:ASN:HD21	H:1:NAG:C1	1.456
3	B:463:ASN:ND2	P:1:NAG:C1	1.400
3	A:463:ASN:ND2	H:1:NAG:C1	1.397
3	A:488:THR:CB	I:1:NAG:CT	1.373
3	B:488:THR:CB	Q:1:NAG:CT	1.371
3	B:498:LEU:HD21	P:1:NAG:C6	1.311
3	A:498:LEU:HD21	H:1:NAG:C6	1.309
3	A:498:LEU:CD2	H:1:NAG:H62	1.262

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:498:LEU:CD2	P:1:NAG:H62	1.259
3	A:114:ASN:HD21	D:1:NAG:C2	1.257
3	B:114:ASN:HD21	L:1:NAG:C2	1.254
3	A:114:ASN:ND2	D:1:NAG:C1	1.160
3	B:114:ASN:ND2	L:1:NAG:C1	1.159
3	A:488:THR:CG2	I:1:NAG:CT	1.141
3	B:488:THR:CG2	Q:1:NAG:CT	1.141
3	B:148:ARG:HB2	M:1:NAG:H4	1.128
3	A:148:ARG:HB2	E:1:NAG:H4	1.121
3	A:148:ARG:CB	E:1:NAG:H4	1.092
3	B:148:ARG:CB	M:1:NAG:H4	1.092
3	A:114:ASN:ND2	D:1:NAG:C2	1.068
3	B:114:ASN:ND2	L:1:NAG:C2	1.066
3	A:243:ASN:ND2	F:1:NAG:C1	1.018
3	A:243:ASN:HD21	F:1:NAG:C1	1.017
3	B:243:ASN:ND2	N:1:NAG:C1	1.017
3	B:243:ASN:HD21	N:1:NAG:C1	1.015
3	B:498:LEU:CD2	P:1:NAG:C6	1.009
3	A:498:LEU:CD2	H:1:NAG:C6	1.004
3	B:532:ASN:ND2	R:1:NAG:C1	0.959
3	A:532:ASN:ND2	J:1:NAG:C1	0.958
3	A:148:ARG:HB2	E:1:NAG:C4	0.947
3	B:148:ARG:HB2	M:1:NAG:C4	0.947

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:148:ARG:CZ	E:2:NAG:H62	0.944
3	B:148:ARG:CZ	M:2:NAG:H62	0.942
3	B:498:LEU:HD21	P:1:NAG:H62	0.936
3	A:498:LEU:HD21	H:1:NAG:H62	0.935
3	B:498:LEU:HD23	P:1:NAG:O6	0.901
3	A:498:LEU:HD23	H:1:NAG:O6	0.900
3	B:114:ASN:CG	L:1:NAG:C1	0.854
3	A:114:ASN:CG	D:1:NAG:C1	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:445:GLN:NE2	J:1:NAG:O5	0.823
3	B:498:LEU:CD2	P:1:NAG:O6	0.821
3	B:445:GLN:NE2	R:1:NAG:O5	0.821
3	A:498:LEU:CD2	H:1:NAG:O6	0.819
3	A:460:ASN:OD1	H:1:NAG:C1	0.819
3	B:460:ASN:OD1	P:1:NAG:C1	0.818
3	A:491:ARG:HH21	I:1:NAG:CT	0.801
3	B:491:ARG:HH21	Q:1:NAG:CT	0.800
3	A:532:ASN:HD22	J:1:NAG:C1	0.797
3	B:532:ASN:HD22	R:1:NAG:C1	0.796
3	B:498:LEU:CG	P:1:NAG:H62	0.795
3	A:498:LEU:CG	H:1:NAG:H62	0.794
3	A:243:ASN:CG	F:1:NAG:C1	0.785

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:243:ASN:CG	N:1:NAG:C1	0.785
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
3	A:501:ASP:OD2	A:502:PHE:CD2	0.756
3	B:501:ASP:OD2	B:502:PHE:CD2	0.754
3	A:488:THR:HG21	I:1:NAG:CT	0.737
3	B:488:THR:HG21	Q:1:NAG:CT	0.736
3	A:445:GLN:OE1	J:1:NAG:C1	0.733
3	B:445:GLN:OE1	R:1:NAG:C1	0.733
3	A:498:LEU:HB2	A:502:PHE:O	0.691
3	B:498:LEU:HB2	B:502:PHE:O	0.690
3	A:243:ASN:HD21	F:1:NAG:C2	0.686
3	B:243:ASN:HD21	N:1:NAG:C2	0.686
3	B:499:ASN:N	B:499:ASN:ND2	0.675
3	B:243:ASN:OD1	N:1:NAG:C1	0.674
3	B:491:ARG:NH2	Q:1:NAG:CT	0.674
3	A:499:ASN:N	A:499:ASN:ND2	0.674
3	A:243:ASN:OD1	F:1:NAG:C1	0.673
3	A:491:ARG:NH2	I:1:NAG:CT	0.673
3	B:532:ASN:HD21	R:1:NAG:C1	0.671
3	A:499:ASN:H	A:499:ASN:ND2	0.671

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:532:ASN:HD21	J:1:NAG:C1	0.669
3	B:499:ASN:H	B:499:ASN:ND2	0.669
3	A:163:THR:OG1	E:1:NAG:O6	0.659
3	A:488:THR:HG22	I:1:NAG:CT	0.654
3	B:488:THR:HG22	Q:1:NAG:CT	0.654
3	B:148:ARG:HB3	M:1:NAG:C2	0.647
3	A:148:ARG:HB3	E:1:NAG:C2	0.645
3	B:463:ASN:CG	P:1:NAG:C1	0.643
3	A:463:ASN:CG	H:1:NAG:C1	0.641
3	A:148:ARG:CB	E:1:NAG:C3	0.627
3	B:148:ARG:CB	M:1:NAG:C3	0.626
3	A:491:ARG:HH21	I:1:NAG:C	0.615
3	B:28:ARG:CG	B:28:ARG:HH11	0.614
3	B:491:ARG:HH21	Q:1:NAG:C	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	A:148:ARG:HB2	E:1:NAG:C3	0.605
3	B:148:ARG:HB2	M:1:NAG:C3	0.604
3	A:533:ILE:HG22	J:1:NAG:CT	0.598
3	B:148:ARG:CB	M:1:NAG:O3	0.598
3	B:533:ILE:HG22	R:1:NAG:CT	0.598
3	A:148:ARG:CB	E:1:NAG:O3	0.597

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:460:ASN:OD1	H:1:NAG:H5	0.593
3	B:460:ASN:OD1	P:1:NAG:H5	0.592
3	A:409:ASN:HD22	A:410:ASN:H	0.592
3	A:447:LEU:HB3	A:448:PRO:HD3	0.591
3	B:409:ASN:HD22	B:410:ASN:H	0.591
3	A:148:ARG:NH2	E:2:NAG:H62	0.587
3	B:148:ARG:NH2	M:2:NAG:H62	0.587
3	A:114:ASN:OD1	D:1:NAG:O5	0.574
3	B:114:ASN:OD1	L:1:NAG:O5	0.574
3	B:148:ARG:HB3	M:1:NAG:C3	0.568
3	A:148:ARG:HB3	E:1:NAG:C3	0.567
3	B:148:ARG:CA	M:1:NAG:H4	0.565
3	A:148:ARG:CA	E:1:NAG:H4	0.563
3	B:148:ARG:NE	M:1:NAG:O3	0.561
3	A:391:ASN:HB3	A:393:GLN:HG3	0.560
3	B:391:ASN:HB3	B:393:GLN:HG3	0.560
3	A:148:ARG:NE	E:1:NAG:O3	0.560
3	A:512:GLU:OE2	I:5:MAN:H62	0.556
3	B:512:GLU:OE2	Q:5:MAN:H62	0.555
3	B:28:ARG:HG2	B:28:ARG:HH11	0.552
3	A:28:ARG:HG2	A:28:ARG:HH11	0.551
3	A:148:ARG:CB	E:1:NAG:C4	0.551
3	A:31:ASN:OD1	C:1:NAG:O	0.549

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:31:ASN:OD1	K:1:NAG:O	0.549
3	B:488:THR:HG22	B:491:ARG:NH2	0.548
3	A:488:THR:HG22	A:491:ARG:NH2	0.547
3	B:445:GLN:CD	R:1:NAG:O5	0.547
3	A:445:GLN:CD	J:1:NAG:O5	0.546
3	B:148:ARG:CB	M:1:NAG:C4	0.546
3	A:109:LEU:H	A:109:LEU:HD12	0.545
3	B:109:LEU:H	B:109:LEU:HD12	0.545
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	B:532:ASN:ND2	R:1:NAG:C2	0.527
3	B:114:ASN:ND2	L:1:NAG:N	0.526
3	A:532:ASN:ND2	J:1:NAG:C2	0.525
3	A:114:ASN:ND2	D:1:NAG:N	0.525
3	A:499:ASN:N	A:499:ASN:HD22	0.499
3	B:499:ASN:N	B:499:ASN:HD22	0.497
3	A:498:LEU:HD21	H:1:NAG:C5	0.495
3	B:498:LEU:HD21	P:1:NAG:C5	0.492
3	A:532:ASN:HD21	J:1:NAG:C2	0.483
3	B:532:ASN:HD21	R:1:NAG:C2	0.483
3	A:148:ARG:NH2	E:2:NAG:C6	0.482
3	B:148:ARG:NH2	M:2:NAG:C6	0.481

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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
3	A:423:ILE:HB	A:424:PRO:HD3	0.477
3	B:148:ARG:NE	M:2:NAG:H62	0.474
3	A:148:ARG:HB2	E:1:NAG:O3	0.472
3	A:148:ARG:NE	E:2:NAG:H62	0.472
3	B:148:ARG:HB2	M:1:NAG:O3	0.471
3	A:460:ASN:OD1	H:1:NAG:H3	0.462
3	B:460:ASN:OD1	P:1:NAG:H3	0.462
3	A:151:SER:HB3	E:5:MAN:O4	0.458
3	B:151:SER:HB3	M:5:MAN:O4	0.458
3	A:528:PRO:HA	A:529:PRO:HD3	0.457
3	A:445:GLN:OE1	J:1:NAG:O5	0.457
3	B:445:GLN:OE1	R:1:NAG:O5	0.456
3	B:528:PRO:HA	B:529:PRO:HD3	0.454
3	A:77:ARG:HH21	A:91:PRO:HB2	0.451
3	A:114:ASN:CG	D:1:NAG:O5	0.446
3	B:114:ASN:CG	L:1:NAG:O5	0.445
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	B:512:GLU:OE2	Q:5:MAN:C6	0.440

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:445:GLN:HE22	R:1:NAG:C1	0.440
3	A:33:SER:HB3	A:83:ILE:HD12	0.439
3	A:512:GLU:OE2	I:5:MAN:C6	0.439
3	A:445:GLN:HE22	J:1:NAG:C1	0.439
3	A:151:SER:CB	E:5:MAN:O4	0.437
3	B:151:SER:CB	M:5:MAN:O4	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:386:LYS:HD2	A:397:ILE:HD11	0.433
3	B:386:LYS:HD2	B:397:ILE:HD11	0.431
3	A:527:ASN:HA	A:528:PRO:C	0.427
3	B:527:ASN:HA	B:528:PRO:C	0.427
3	B:460:ASN:OD1	P:1:NAG:C5	0.424
3	A:378:LEU:HD12	A:417:LEU:HG	0.421
3	B:378:LEU:HD12	B:417:LEU:HG	0.421
3	B:148:ARG:HB3	M:1:NAG:O3	0.420
3	A:148:ARG:HB3	E:1:NAG:O3	0.419
3	A:498:LEU:HD21	H:1:NAG:O5	0.417
3	B:498:LEU:HD21	P:1:NAG:O5	0.417
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:460:ASN:OD1	H:1:NAG:C5	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	A:460:ASN:CB	H:1:NAG:H61	1.548
4	B:460:ASN:CB	P:1:NAG:H61	1.542
4	B:460:ASN:CG	P:1:NAG:H61	1.471
4	A:460:ASN:CG	H:1:NAG:H61	1.470
4	B:460:ASN:HB3	P:1:NAG:C6	1.446
4	A:460:ASN:HB3	H:1:NAG:C6	1.442
4	A:240:ILE:CG2	F:1:NAG:O	1.411
4	B:240:ILE:CG2	N:1:NAG:O	1.407
4	A:460:ASN:OD1	H:1:NAG:C4	1.366
4	B:460:ASN:OD1	P:1:NAG:C4	1.360
4	B:243:ASN:OD1	N:1:NAG:N	1.292
4	A:243:ASN:OD1	F:1:NAG:N	1.291
4	B:243:ASN:OD1	N:1:NAG:C2	1.224
4	A:243:ASN:OD1	F:1:NAG:C2	1.222
4	A:460:ASN:OD1	H:1:NAG:H4	1.188
4	B:240:ILE:HG21	N:1:NAG:O	1.184
4	A:159:PRO:CB	E:7:MAN:O4	1.182
4	B:460:ASN:OD1	P:1:NAG:H4	1.182
4	B:159:PRO:CB	M:7:MAN:O4	1.181
4	A:240:ILE:HG21	F:1:NAG:O	1.176

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:460:ASN:CB	H:1:NAG:C6	1.168
4	B:460:ASN:CB	P:1:NAG:C6	1.161
4	A:413:ASN:HD21	G:1:NAG:C2	1.158
4	B:243:ASN:OD1	N:1:NAG:C	1.148
4	A:243:ASN:OD1	F:1:NAG:C	1.147
4	A:460:ASN:CG	H:1:NAG:C6	1.142
4	B:460:ASN:CG	P:1:NAG:C6	1.142
4	A:159:PRO:HB2	E:7:MAN:O4	1.129
4	B:159:PRO:HB2	M:7:MAN:O4	1.123
4	A:460:ASN:OD1	H:1:NAG:C5	1.105
4	B:460:ASN:OD1	P:1:NAG:C5	1.104
4	A:243:ASN:CG	F:1:NAG:C1	1.088
4	B:243:ASN:CG	N:1:NAG:C1	1.088
4	B:240:ILE:HD13	N:1:NAG:O3	1.043
4	A:240:ILE:HD13	F:1:NAG:O3	1.040
4	B:460:ASN:HB3	P:1:NAG:H62	0.976
4	A:460:ASN:HB3	H:1:NAG:H62	0.973
4	A:240:ILE:HG23	F:1:NAG:O	0.971
4	B:240:ILE:HG23	N:1:NAG:O	0.971
4	A:148:ARG:CB	E:1:NAG:H3	0.963
4	B:148:ARG:CB	M:1:NAG:H3	0.963
4	B:240:ILE:HD12	N:2:NAG:O6	0.913
4	A:240:ILE:HD12	F:2:NAG:O6	0.911

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:114:ASN:OD1	D:1:NAG:N	0.907
4	B:114:ASN:OD1	L:1:NAG:N	0.907
4	A:413:ASN:ND2	G:1:NAG:C2	0.906
4	B:460:ASN:HB3	P:1:NAG:H61	0.904
4	A:148:ARG:HA	E:1:NAG:N	0.901
4	B:148:ARG:HA	M:1:NAG:N	0.901
4	A:460:ASN:HB3	H:1:NAG:H61	0.901
4	A:240:ILE:CG2	F:1:NAG:C	0.898
4	B:240:ILE:CG2	N:1:NAG:C	0.896
4	A:240:ILE:HG21	F:1:NAG:C	0.889
4	B:240:ILE:HG21	N:1:NAG:C	0.888
4	A:243:ASN:CG	F:1:NAG:C2	0.882
4	B:243:ASN:CG	N:1:NAG:C2	0.882
4	A:159:PRO:HB3	E:7:MAN:C4	0.877
4	B:159:PRO:HB3	M:7:MAN:C4	0.877
4	B:159:PRO:C	M:7:MAN:HO4	0.868
4	A:159:PRO:C	E:7:MAN:HO4	0.866
4	A:501:ASP:OD2	A:502:PHE:HD2	0.837
4	B:501:ASP:OD2	B:502:PHE:HD2	0.835
4	B:449:GLN:OE1	R:2:NAG:H61	0.826
4	A:449:GLN:OE1	J:2:NAG:H61	0.824
4	A:166:ASN:HB3	E:1:NAG:C1	0.813
4	B:166:ASN:HB3	M:1:NAG:C1	0.813

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:148:ARG:HB2	E:1:NAG:H3	0.799
4	B:148:ARG:HB2	M:1:NAG:H3	0.798
4	A:148:ARG:HB3	E:1:NAG:H3	0.785
4	B:148:ARG:HB3	M:1:NAG:H3	0.784
4	B:243:ASN:ND2	N:1:NAG:C1	0.780
4	A:243:ASN:ND2	F:1:NAG:C1	0.779
4	A:469:TYR:OH	J:2:NAG:CT	0.769
4	B:469:TYR:OH	R:2:NAG:CT	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:501:ASP:OD2	B:502:PHE:CD2	0.754
4	A:460:ASN:OD1	H:1:NAG:C6	0.754
4	B:460:ASN:OD1	P:1:NAG:C6	0.753
4	A:159:PRO:HB3	E:7:MAN:O4	0.753
4	B:159:PRO:HB3	M:7:MAN:O4	0.753
4	B:159:PRO:CB	M:7:MAN:C4	0.736
4	A:159:PRO:CB	E:7:MAN:C4	0.734
4	A:240:ILE:HG23	F:1:NAG:C	0.733
4	B:240:ILE:HG23	N:1:NAG:C	0.731
4	A:413:ASN:HD21	G:1:NAG:C	0.720

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:413:ASN:ND2	G:1:NAG:N	0.713
4	B:460:ASN:CG	P:1:NAG:C5	0.705
4	A:460:ASN:CG	H:1:NAG:C5	0.704
4	B:159:PRO:C	M:7:MAN:O4	0.699
4	A:159:PRO:C	E:7:MAN:O4	0.698
4	A:413:ASN:ND2	G:1:NAG:C	0.693
4	A:498:LEU:HB2	A:502:PHE:O	0.691
4	B:498:LEU:HB2	B:502:PHE:O	0.690
4	B:166:ASN:CB	M:1:NAG:C1	0.683
4	A:114:ASN:OD1	D:1:NAG:C	0.683
4	A:166:ASN:CB	E:1:NAG:C1	0.682
4	B:114:ASN:OD1	L:1:NAG:C	0.681
4	B:243:ASN:OD1	N:1:NAG:C1	0.678
4	B:499:ASN:N	B:499:ASN:ND2	0.675
4	A:243:ASN:OD1	F:1:NAG:C1	0.674
4	A:499:ASN:N	A:499:ASN:ND2	0.674
4	A:499:ASN:H	A:499:ASN:ND2	0.671
4	B:499:ASN:H	B:499:ASN:ND2	0.669
4	B:243:ASN:OD1	N:1:NAG:O	0.668
4	A:243:ASN:OD1	F:1:NAG:O	0.666
4	A:240:ILE:CD1	F:1:NAG:O3	0.653
4	A:460:ASN:OD1	H:1:NAG:H61	0.652
4	B:460:ASN:OD1	P:1:NAG:H61	0.652

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:469:TYR:OH	J:2:NAG:O	0.652
4	B:469:TYR:OH	R:2:NAG:O	0.652
4	B:240:ILE:CD1	N:1:NAG:O3	0.649
4	B:240:ILE:HG23	N:1:NAG:CT	0.634
4	A:445:GLN:N	J:1:NAG:C1	0.634
4	A:240:ILE:HG23	F:1:NAG:CT	0.633
4	B:445:GLN:N	R:1:NAG:C1	0.633
4	A:159:PRO:HB3	E:7:MAN:H4	0.627
4	B:159:PRO:HB3	M:7:MAN:H4	0.627
4	B:469:TYR:OH	R:2:NAG:C	0.615
4	B:28:ARG:CG	B:28:ARG:HH11	0.614
4	A:469:TYR:OH	J:2:NAG:C	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:469:TYR:HH	R:2:NAG:C	0.583
4	A:469:TYR:CE1	J:2:NAG:CT	0.575
4	B:469:TYR:CE1	R:2:NAG:CT	0.575
4	A:469:TYR:HH	J:2:NAG:C	0.571
4	A:391:ASN:HB3	A:393:GLN:HG3	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:391:ASN:HB3	B:393:GLN:HG3	0.560
4	B:28:ARG:HG2	B:28:ARG:HH11	0.552
4	A:28:ARG:HG2	A:28:ARG:HH11	0.551
4	A:240:ILE:HD13	F:1:NAG:HO3	0.551
4	B:240:ILE:HD13	N:1:NAG:HO3	0.548
4	B:488:THR:HG22	B:491:ARG:NH2	0.548
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	A:359:THR:HG22	A:393:GLN:HG2	0.536
4	B:359:THR:HG22	B:393:GLN:HG2	0.536
4	A:243:ASN:ND2	F:1:NAG:O5	0.528
4	B:243:ASN:ND2	N:1:NAG:O5	0.528
4	B:159:PRO:CB	M:7:MAN:O3	0.527
4	A:159:PRO:CB	E:7:MAN:O3	0.526
4	A:243:ASN:ND2	F:1:NAG:C2	0.525
4	B:243:ASN:ND2	N:1:NAG:C2	0.524
4	B:433:GLN:HB3	O:1:NAG:CT	0.513
4	A:159:PRO:CA	E:7:MAN:O4	0.513
4	A:433:GLN:HB3	G:1:NAG:CT	0.511
4	A:460:ASN:OD1	H:1:NAG:O5	0.511
4	B:460:ASN:OD1	P:1:NAG:O5	0.511

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:159:PRO:CA	M:7:MAN:O4	0.511
4	B:148:ARG:CA	M:1:NAG:N	0.506
4	B:159:PRO:HB3	M:7:MAN:O3	0.504
4	A:148:ARG:CA	E:1:NAG:N	0.504
4	A:159:PRO:HB3	E:7:MAN:O3	0.502
4	B:469:TYR:HE1	R:2:NAG:CT	0.499
4	A:499:ASN:N	A:499:ASN:HD22	0.499
4	A:469:TYR:HE1	J:2:NAG:CT	0.498
4	B:499:ASN:N	B:499:ASN:HD22	0.497
4	B:159:PRO:HB3	M:7:MAN:C3	0.490
4	A:159:PRO:HB3	E:7:MAN:C3	0.489
4	A:498:LEU:CD2	H:1:NAG:O	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:498:LEU:CD2	P:1:NAG:O	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	A:413:ASN:ND2	G:1:NAG:O	0.472
4	A:240:ILE:HG12	F:1:NAG:CT	0.469
4	B:240:ILE:HG12	N:1:NAG:CT	0.468
4	B:114:ASN:OD1	L:1:NAG:C2	0.458
4	A:528:PRO:HA	A:529:PRO:HD3	0.457
4	A:114:ASN:OD1	D:1:NAG:C2	0.456

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:528:PRO:HA	B:529:PRO:HD3	0.454
4	A:77:ARG:HH21	A:91:PRO:HB2	0.451
4	A:469:TYR:CZ	J:2:NAG:CT	0.451
4	B:469:TYR:CZ	R:2:NAG:CT	0.451
4	A:341:ASN:CB	A:342:PRO:HD3	0.441
4	B:341:ASN:CB	B:342:PRO:HD3	0.441
4	B:33:SER:HB3	B:83:ILE:HD12	0.440
4	A:33:SER:HB3	A:83:ILE:HD12	0.439
4	A:537:ARG:HH21	J:7:MAN:H61	0.439
4	B:537:ARG:HH21	R:7:MAN:H61	0.439
4	A:166:ASN:HB2	E:1:NAG:C1	0.436
4	A:485:SER:HA	A:486:PRO:C	0.435
4	B:485:SER:HA	B:486:PRO:C	0.435
4	B:166:ASN:HB2	M:1:NAG:C1	0.434
4	A:386:LYS:HD2	A:397:ILE:HD11	0.433
4	B:386:LYS:HD2	B:397:ILE:HD11	0.431
4	A:527:ASN:HA	A:528:PRO:C	0.427
4	B:527:ASN:HA	B:528:PRO:C	0.427
4	B:148:ARG:HA	M:1:NAG:C	0.422
4	A:378:LEU:HD12	A:417:LEU:HG	0.421
4	B:378:LEU:HD12	B:417:LEU:HG	0.421
4	A:148:ARG:HA	E:1:NAG:C	0.420
4	B:231:GLU:HA	B:328:THR:O	0.413

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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
4	A:262:ARG:HH12	A:264:SER:HA	0.401
4	B:262:ARG:HH12	B:264:SER:HA	0.401
5	A:413:ASN:ND2	G:1:NAG:C1	1.357
5	A:491:ARG:CD	I:1:NAG:O6	1.314
5	B:491:ARG:CD	Q:1:NAG:O6	1.309
5	B:491:ARG:HD2	Q:1:NAG:O6	1.219
5	A:491:ARG:HD2	I:1:NAG:O6	1.214
5	A:463:ASN:HD21	H:1:NAG:C2	1.185
5	B:463:ASN:HD21	P:1:NAG:C2	1.185
5	A:463:ASN:ND2	H:1:NAG:C2	1.177
5	B:463:ASN:ND2	P:1:NAG:C2	1.177
5	A:200:THR:HG22	E:5:MAN:H61	1.156
5	B:200:THR:HG22	M:5:MAN:H61	1.155
5	A:200:THR:HG22	E:5:MAN:C6	1.153
5	B:200:THR:HG22	M:5:MAN:C6	1.151
5	A:413:ASN:HD21	G:1:NAG:C1	1.145
5	B:532:ASN:OD1	R:1:NAG:C1	1.136
5	A:532:ASN:OD1	J:1:NAG:C1	1.135
5	A:491:ARG:NE	I:1:NAG:O6	1.123
5	B:491:ARG:NE	Q:1:NAG:O6	1.123

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	A:530:LYS:NZ	J:2:NAG:CT	1.101
5	B:530:LYS:NZ	R:2:NAG:CT	1.099
5	B:530:LYS:HZ3	R:2:NAG:CT	1.046
5	A:460:ASN:OD1	H:1:NAG:O3	1.014
5	B:460:ASN:OD1	P:1:NAG:O3	1.013
5	A:463:ASN:CG	H:1:NAG:C1	1.007
5	B:463:ASN:CG	P:1:NAG:C1	1.007
5	A:530:LYS:HZ3	J:2:NAG:CT	0.987
5	A:463:ASN:ND2	H:1:NAG:C1	0.969
5	B:463:ASN:ND2	P:1:NAG:C1	0.968
5	A:491:ARG:HD2	I:1:NAG:HO6	0.962
5	B:491:ARG:HD2	Q:1:NAG:HO6	0.959
5	A:413:ASN:ND2	G:1:NAG:O5	0.938
5	A:491:ARG:CD	I:1:NAG:HO6	0.925
5	B:491:ARG:CD	Q:1:NAG:HO6	0.923
5	A:498:LEU:HD21	H:1:NAG:H3	0.917
5	B:498:LEU:HD21	P:1:NAG:H3	0.915
5	A:460:ASN:OD1	H:1:NAG:C2	0.849
5	B:460:ASN:OD1	P:1:NAG:C2	0.847
5	A:501:ASP:OD2	A:502:PHE:HD2	0.837
5	B:501:ASP:OD2	B:502:PHE:HD2	0.835
5	A:530:LYS:HZ1	J:2:NAG:CT	0.825
5	A:413:ASN:CG	G:1:NAG:C1	0.785

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	A:460:ASN:OD1	H:1:NAG:C3	0.783
5	B:460:ASN:OD1	P:1:NAG:C3	0.782
5	B:530:LYS:HZ1	R:2:NAG:CT	0.774
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	B:532:ASN:CG	R:1:NAG:C1	0.759
5	A:532:ASN:CG	J:1:NAG:C1	0.758
5	A:501:ASP:OD2	A:502:PHE:CD2	0.756
5	B:501:ASP:OD2	B:502:PHE:CD2	0.754
5	B:200:THR:CG2	M:5:MAN:H61	0.706
5	A:200:THR:CG2	E:5:MAN:H61	0.705
5	A:498:LEU:HB2	A:502:PHE:O	0.691
5	B:498:LEU:HB2	B:502:PHE:O	0.690
5	B:200:THR:HG22	M:5:MAN:H62	0.679
5	A:200:THR:HG22	E:5:MAN:H62	0.678
5	B:499:ASN:N	B:499:ASN:ND2	0.675
5	A:499:ASN:N	A:499:ASN:ND2	0.674
5	A:499:ASN:H	A:499:ASN:ND2	0.671
5	B:499:ASN:H	B:499:ASN:ND2	0.669
5	A:148:ARG:HD2	E:1:NAG:O6	0.633
5	B:148:ARG:HD2	M:1:NAG:O6	0.632

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	B:532:ASN:OD1	R:1:NAG:O5	0.605
5	A:532:ASN:OD1	J:1:NAG:O5	0.604
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
5	A:391:ASN:HB3	A:393:GLN:HG3	0.560
5	B:391:ASN:HB3	B:393:GLN:HG3	0.560
5	B:28:ARG:HG2	B:28:ARG:HH11	0.552
5	A:28:ARG:HG2	A:28:ARG:HH11	0.551
5	B:488:THR:HG22	B:491:ARG:NH2	0.548
5	A:488:THR:HG22	A:491:ARG:NH2	0.547
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:359:THR:HG22	A:393:GLN:HG2	0.536
5	B:359:THR:HG22	B:393:GLN:HG2	0.536
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	A:528:PRO:HA	A:529:PRO:HD3	0.457
5	B:528:PRO:HA	B:529:PRO:HD3	0.454
5	A:77:ARG:HH21	A:91:PRO:HB2	0.451
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: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:498:LEU:HD21	H:1:NAG:C3	0.428
5	A:112:VAL:O	D:1:NAG:O6	0.428
5	B:112:VAL:O	L:1:NAG:O6	0.428
5	A:527:ASN:HA	A:528:PRO:C	0.427
5	B:527:ASN:HA	B:528:PRO:C	0.427
5	A:491:ARG:CZ	I:1:NAG:O6	0.424
5	B:498:LEU:HD21	P:1:NAG:C3	0.422
5	A:378:LEU:HD12	A:417:LEU:HG	0.421
5	B:378:LEU:HD12	B:417:LEU:HG	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:491:ARG:CZ	Q:1:NAG:O6	0.421
5	A:112:VAL:HB	D:1:NAG:O6	0.420
5	B:112:VAL:HB	L:1:NAG:O6	0.420
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:463:ASN:ND2	H:1:NAG:C	0.404
5	B:463:ASN:ND2	P:1:NAG:C	0.403
5	A:262:ARG:HH12	A:264:SER:HA	0.401
5	B:262:ARG:HH12	B:264:SER:HA	0.401
6	A:491:ARG:HG2	I:1:NAG:O	1.307
6	B:491:ARG:HG2	Q:1:NAG:O	1.303
6	B:399:VAL:CG1	R:7:MAN:O3	1.278
6	A:399:VAL:CG1	J:7:MAN:O3	1.276
6	B:30:LYS:O	K:1:NAG:C	1.273
6	A:30:LYS:O	C:1:NAG:C	1.270
6	B:30:LYS:O	K:1:NAG:O	1.206
6	A:30:LYS:O	C:1:NAG:O	1.203
6	B:460:ASN:HB2	P:2:NAG:O6	1.161
6	A:460:ASN:HB2	H:2:NAG:O6	1.159
6	B:491:ARG:CG	Q:1:NAG:O	1.158
6	A:491:ARG:CG	I:1:NAG:O	1.157

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:463:ASN:ND2	P:1:NAG:C2	1.133
6	A:463:ASN:ND2	H:1:NAG:C2	1.132
6	A:463:ASN:HD21	H:1:NAG:C2	1.121
6	B:463:ASN:HD21	P:1:NAG:C2	1.121
6	B:399:VAL:HG11	R:7:MAN:O3	1.102
6	A:399:VAL:HG11	J:7:MAN:O3	1.101
6	B:463:ASN:CG	P:1:NAG:C1	1.020
6	A:463:ASN:CG	H:1:NAG:C1	1.016
6	A:413:ASN:ND2	G:1:NAG:O5	1.007
6	A:463:ASN:ND2	H:1:NAG:C1	0.985
6	B:463:ASN:ND2	P:1:NAG:C1	0.984
6	B:460:ASN:CB	P:2:NAG:O6	0.951
6	A:460:ASN:CB	H:2:NAG:O6	0.950
6	B:399:VAL:HG11	R:7:MAN:HO3	0.924
6	A:30:LYS:O	C:1:NAG:CT	0.863
6	B:30:LYS:O	K:1:NAG:CT	0.863
6	A:501:ASP:OD2	A:502:PHE:HD2	0.837
6	B:501:ASP:OD2	B:502:PHE:HD2	0.835
6	B:399:VAL:HG11	R:7:MAN:C3	0.813
6	A:399:VAL:HG11	J:7:MAN:C3	0.812
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	B:409:ASN:HB3	O:1:NAG:O6	0.716
6	A:409:ASN:HB3	G:1:NAG:O6	0.715
6	A:498:LEU:HB2	A:502:PHE:O	0.691
6	B:498:LEU:HB2	B:502:PHE:O	0.690
6	A:498:LEU:HD21	H:1:NAG:H3	0.684
6	B:498:LEU:HD21	P:1:NAG:H3	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:499:ASN:H	B:499:ASN:ND2	0.669
6	B:399:VAL:CG1	R:7:MAN:HO3	0.662
6	A:413:ASN:ND2	G:1:NAG:C1	0.621
6	B:28:ARG:CG	B:28:ARG:HH11	0.614
6	A:28:ARG:CG	A:28:ARG:HH11	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:HB3	G:1:NAG:C6	0.600
6	B:409:ASN:HB3	O:1:NAG:C6	0.600
6	A:491:ARG:HG3	I:1:NAG:O	0.599
6	B:491:ARG:HG3	Q:1:NAG:O	0.595

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:391:ASN:HB3	A:393:GLN:HG3	0.560
6	B:391:ASN:HB3	B:393:GLN:HG3	0.560
6	B:28:ARG:HG2	B:28:ARG:HH11	0.552
6	A:28:ARG:HG2	A:28:ARG:HH11	0.551
6	B:488:THR:HG22	B:491:ARG:NH2	0.548
6	A:488:THR:HG22	A:491:ARG:NH2	0.547
6	A:109:LEU:H	A:109:LEU:HD12	0.545
6	B:109:LEU:H	B:109:LEU:HD12	0.545
6	B:105:ARG:HG2	B:203:LEU:HB3	0.540
6	A:359:THR:HG22	A:393:GLN:HG2	0.536
6	B:359:THR:HG22	B:393:GLN:HG2	0.536
6	A:499:ASN:N	A:499:ASN:HD22	0.499
6	A:460:ASN:CG	H:1:NAG:C2	0.497
6	B:460:ASN:CG	P:1:NAG:C2	0.497
6	B:499:ASN:N	B:499:ASN:HD22	0.497
6	B:28:ARG:CG	B:28:ARG:NH1	0.479
6	B:423:ILE:HB	B:424:PRO:HD3	0.479
6	A:28:ARG:CG	A:28:ARG:NH1	0.478
6	A:423:ILE:HB	A:424:PRO:HD3	0.477
6	A:460:ASN:HB3	H:2:NAG:O6	0.472

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:528:PRO:HA	A:529:PRO:HD3	0.457
6	B:528:PRO:HA	B:529:PRO:HD3	0.454
6	A:409:ASN:HB3	G:1:NAG:H62	0.453
6	A:77:ARG:HH21	A:91:PRO:HB2	0.451
6	B:409:ASN:HB3	O:1:NAG:H62	0.450
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	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	A:166:ASN:ND2	E:1:NAG:C1	0.433
6	B:166:ASN:ND2	M:1:NAG:C1	0.433
6	B:386:LYS:HD2	B:397:ILE:HD11	0.431
6	A:527:ASN:HA	A:528:PRO:C	0.427
6	B:527:ASN:HA	B:528:PRO:C	0.427
6	B:498:LEU:HD21	P:1:NAG:C1	0.425
6	A:498:LEU:HD21	H:1:NAG:C1	0.424
6	A:378:LEU:HD12	A:417:LEU:HG	0.421
6	B:378:LEU:HD12	B:417:LEU:HG	0.421
6	B:231:GLU:HA	B:328:THR:O	0.413
6	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:423:ILE:O	B:425:PRO:HD3	0.412
6	A:423:ILE:O	A:425:PRO:HD3	0.411
6	B:31:ASN:HB3	K:1:NAG:C1	0.408
6	A:31:ASN:HB3	C:1:NAG:C1	0.407
6	B:460:ASN:HB3	P:2:NAG:O6	0.402
6	A:262:ARG:HH12	A:264:SER:HA	0.401
6	B:262:ARG:HH12	B:264:SER:HA	0.401
7	B:532:ASN:HD21	R:1:NAG:C1	1.570
7	A:532:ASN:HD21	J:1:NAG:C1	1.563
7	A:532:ASN:ND2	J:1:NAG:C1	1.415
7	B:532:ASN:ND2	R:1:NAG:C1	1.415
7	A:163:THR:CG2	E:1:NAG:CT	1.393
7	A:150:LEU:CD2	E:7:MAN:H61	1.390
7	B:150:LEU:CD2	M:7:MAN:H61	1.388
7	A:243:ASN:OD1	F:1:NAG:C1	1.325
7	B:243:ASN:OD1	N:1:NAG:C1	1.325
7	A:114:ASN:OD1	D:1:NAG:N	1.307
7	B:114:ASN:OD1	L:1:NAG:N	1.303
7	A:163:THR:HG23	E:1:NAG:CT	1.262
7	A:240:ILE:HG21	F:1:NAG:C2	1.209
7	B:240:ILE:HG21	N:1:NAG:C2	1.209
7	B:150:LEU:CD2	M:7:MAN:C6	1.188
7	A:150:LEU:CD2	E:7:MAN:C6	1.186

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:114:ASN:OD1	L:1:NAG:C2	1.148
7	A:114:ASN:OD1	D:1:NAG:C2	1.144
7	A:163:THR:HG21	E:1:NAG:CT	1.133
7	A:150:LEU:HD23	E:7:MAN:H61	1.060
7	B:150:LEU:HD23	M:7:MAN:H61	1.058
7	B:150:LEU:HD22	M:7:MAN:H61	1.047
7	A:150:LEU:HD22	E:7:MAN:H61	1.043
7	A:30:LYS:HB3	C:1:NAG:O	1.040
7	B:30:LYS:HB3	K:1:NAG:O	1.040
7	A:30:LYS:O	C:1:NAG:C	0.968
7	B:30:LYS:O	K:1:NAG:C	0.967
7	A:240:ILE:CG2	F:1:NAG:C2	0.864
7	B:240:ILE:CG2	N:1:NAG:C2	0.863
7	A:501:ASP:OD2	A:502:PHE:HD2	0.837
7	B:501:ASP:OD2	B:502:PHE:HD2	0.835
7	A:243:ASN:OD1	F:1:NAG:C2	0.827
7	B:243:ASN:OD1	N:1:NAG:C2	0.825
7	A:491:ARG:HD2	I:1:NAG:H61	0.815
7	B:491:ARG:HD2	Q:1:NAG:H61	0.815
7	A:491:ARG:CD	I:1:NAG:H61	0.800
7	B:491:ARG:CD	Q:1:NAG:H61	0.800
7	A:150:LEU:HD23	E:7:MAN:C6	0.777
7	A:240:ILE:HG21	F:1:NAG:C3	0.775

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:240:ILE:HG21	N:1:NAG:C3	0.773
7	B:150:LEU:HD23	M:7:MAN:C6	0.772
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:150:LEU:HD21	M:7:MAN:C6	0.759
7	B:532:ASN:CG	R:1:NAG:C1	0.759
7	A:150:LEU:HD21	E:7:MAN:C6	0.758
7	A:532:ASN:CG	J:1:NAG:C1	0.758
7	B:243:ASN:CG	N:1:NAG:C1	0.757
7	A:243:ASN:CG	F:1:NAG:C1	0.756
7	A:501:ASP:OD2	A:502:PHE:CD2	0.756
7	B:501:ASP:OD2	B:502:PHE:CD2	0.754
7	A:163:THR:CB	E:1:NAG:CT	0.735
7	B:240:ILE:HG12	N:1:NAG:C	0.724
7	A:240:ILE:HG12	F:1:NAG:C	0.723
7	A:163:THR:OG1	E:1:NAG:CT	0.712
7	A:240:ILE:CG2	F:1:NAG:O3	0.699
7	B:240:ILE:CG2	N:1:NAG:O3	0.695
7	A:413:ASN:OD1	G:1:NAG:C1	0.693
7	A:498:LEU:HB2	A:502:PHE:O	0.691
7	B:498:LEU:HB2	B:502:PHE:O	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:150:LEU:HD22	E:7:MAN:C6	0.679
7	B:150:LEU:HD22	M:7:MAN:C6	0.679
7	B:499:ASN:N	B:499:ASN:ND2	0.675
7	A:499:ASN:N	A:499:ASN:ND2	0.674
7	A:499:ASN:H	A:499:ASN:ND2	0.671
7	B:499:ASN:H	B:499:ASN:ND2	0.669
7	A:240:ILE:HG21	F:1:NAG:O3	0.657
7	A:240:ILE:HG12	F:1:NAG:CT	0.656
7	B:240:ILE:HG12	N:1:NAG:CT	0.654
7	B:240:ILE:HG21	N:1:NAG:O3	0.654
7	A:30:LYS:O	C:1:NAG:CT	0.621
7	B:30:LYS:O	K:1:NAG:CT	0.621
7	B:28:ARG:CG	B:28:ARG:HH11	0.614
7	A:28:ARG:CG	A:28:ARG:HH11	0.612
7	A:341:ASN:HB3	A:342:PRO:HD3	0.610
7	B:341:ASN:HB3	B:342:PRO:HD3	0.610
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	B:30:LYS:O	K:1:NAG:N	0.589
7	A:30:LYS:O	C:1:NAG:N	0.588
7	A:391:ASN:HB3	A:393:GLN:HG3	0.560
7	B:391:ASN:HB3	B:393:GLN:HG3	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:491:ARG:NE	I:1:NAG:H61	0.558
7	B:491:ARG:NE	Q:1:NAG:H61	0.557
7	B:28:ARG:HG2	B:28:ARG:HH11	0.552
7	A:28:ARG:HG2	A:28:ARG:HH11	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	A:109:LEU:H	A:109:LEU:HD12	0.545
7	B:109:LEU:H	B:109:LEU:HD12	0.545
7	A:240:ILE:CG1	F:1:NAG:C	0.545
7	B:240:ILE:CG1	N:1:NAG:C	0.542
7	A:460:ASN:O	H:1:NAG:O6	0.542
7	B:105:ARG:HG2	B:203:LEU:HB3	0.540
7	B:460:ASN:O	P:1:NAG:O6	0.539
7	A:150:LEU:CD2	E:7:MAN:O6	0.536
7	A:359:THR:HG22	A:393:GLN:HG2	0.536
7	B:150:LEU:CD2	M:7:MAN:O6	0.536
7	B:359:THR:HG22	B:393:GLN:HG2	0.536
7	B:240:ILE:HG12	N:1:NAG:N	0.523
7	A:240:ILE:HG12	F:1:NAG:N	0.522
7	B:159:PRO:HG2	M:5:MAN:O4	0.514
7	A:159:PRO:HG2	E:5:MAN:O4	0.512
7	A:499:ASN:N	A:499:ASN:HD22	0.499
7	B:499:ASN:N	B:499:ASN:HD22	0.497

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:159:PRO:HB2	E:5:MAN:O6	0.489
7	B:159:PRO:HB2	M:5:MAN:O6	0.488
7	B:28:ARG:CG	B:28:ARG:NH1	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:30:LYS:HB3	C:1:NAG:C	0.469
7	B:30:LYS:HB3	K:1:NAG:C	0.468
7	A:150:LEU:HD21	E:7:MAN:O6	0.464
7	A:159:PRO:HG2	E:5:MAN:H4	0.463
7	B:159:PRO:HG2	M:5:MAN:H4	0.463
7	B:150:LEU:HD21	M:7:MAN:O6	0.462
7	B:240:ILE:CG1	N:1:NAG:N	0.460
7	A:240:ILE:CG1	F:1:NAG:N	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:150:LEU:CD2	E:7:MAN:H62	0.453
7	A:77:ARG:HH21	A:91:PRO:HB2	0.451
7	B:150:LEU:CD2	M:7:MAN:H62	0.451
7	B:30:LYS:CB	K:1:NAG:O	0.447
7	A:30:LYS:CB	C:1:NAG:O	0.442
7	A:341:ASN:CB	A:342:PRO:HD3	0.441
7	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:491:ARG:HD2	Q:1:NAG:C6	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:491:ARG:HD2	I:1:NAG:C6	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	A:378:LEU:HD12	A:417:LEU:HG	0.421
7	B:378:LEU:HD12	B:417:LEU:HG	0.421
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:262:ARG:HH12	A:264:SER:HA	0.401
7	B:262:ARG:HH12	B:264:SER:HA	0.401
8	A:491:ARG:NH2	I:1:NAG:C	1.317
8	B:491:ARG:NH2	Q:1:NAG:C	1.315
8	A:247:THR:HG22	F:3:BMA:C5	1.214
8	B:247:THR:HG22	N:3:BMA:C5	1.212
8	B:491:ARG:HH21	Q:1:NAG:C	1.209

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:491:ARG:NH2	Q:1:NAG:N	1.207
8	A:491:ARG:HH21	I:1:NAG:C	1.206
8	A:491:ARG:NH2	I:1:NAG:N	1.192
8	B:247:THR:HG22	N:3:BMA:H5	1.153
8	A:247:THR:HG22	F:3:BMA:H5	1.151
8	A:252:PRO:HG3	F:7:MAN:H61	1.143
8	B:252:PRO:HG3	N:7:MAN:H61	1.139
8	A:491:ARG:NH2	I:1:NAG:O3	1.118
8	B:491:ARG:NH2	Q:1:NAG:O3	1.115
8	A:280:SER:C	F:1:NAG:H62	1.107
8	B:280:SER:C	N:1:NAG:H62	1.106
8	A:252:PRO:CG	F:7:MAN:H61	1.074
8	B:252:PRO:CG	N:7:MAN:H61	1.073
8	A:249:LYS:O	F:7:MAN:O3	1.063
8	B:249:LYS:O	N:7:MAN:O3	1.063
8	A:252:PRO:HG3	F:7:MAN:C6	1.038
8	B:252:PRO:HG3	N:7:MAN:C6	1.038
8	B:280:SER:OG	N:1:NAG:H5	0.994
8	A:280:SER:OG	F:1:NAG:H5	0.993
8	A:491:ARG:HH21	I:1:NAG:C2	0.988
8	B:491:ARG:HH21	Q:1:NAG:C2	0.987
8	A:491:ARG:NE	I:1:NAG:N	0.986
8	B:491:ARG:NE	Q:1:NAG:N	0.986

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:280:SER:CB	F:1:NAG:H5	0.982
8	B:280:SER:CB	N:1:NAG:H5	0.981
8	A:491:ARG:CZ	I:1:NAG:N	0.980
8	B:491:ARG:CZ	Q:1:NAG:N	0.978
8	A:247:THR:HG22	F:3:BMA:C6	0.974
8	B:247:THR:HG22	N:3:BMA:C6	0.973
8	A:247:THR:CG2	F:3:BMA:H61	0.966
8	B:247:THR:CG2	N:3:BMA:H61	0.965
8	B:491:ARG:NH2	Q:1:NAG:C3	0.951
8	A:491:ARG:NH2	I:1:NAG:C3	0.949
8	B:280:SER:HB2	N:1:NAG:H5	0.860
8	A:280:SER:HB2	F:1:NAG:H5	0.859
8	A:501:ASP:OD2	A:502:PHE:HD2	0.837
8	B:501:ASP:OD2	B:502:PHE:HD2	0.835
8	A:280:SER:O	F:1:NAG:H62	0.831
8	B:280:SER:O	N:1:NAG:H62	0.830
8	B:280:SER:HB2	N:1:NAG:O4	0.819
8	A:280:SER:HB2	F:1:NAG:O4	0.818
8	A:280:SER:OG	F:1:NAG:C5	0.817
8	B:280:SER:OG	N:1:NAG:C5	0.816
8	B:532:ASN:OD1	R:1:NAG:C1	0.801
8	A:491:ARG:HH21	I:1:NAG:C3	0.801
8	A:532:ASN:OD1	J:1:NAG:C1	0.799

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:491:ARG:HH21	Q:1:NAG:C3	0.799
8	A:491:ARG:CZ	I:1:NAG:C	0.796
8	B:491:ARG:CZ	Q:1:NAG:C	0.796
8	A:252:PRO:CD	F:7:MAN:H61	0.788
8	B:252:PRO:CD	N:7:MAN:H61	0.786
8	A:280:SER:OG	F:1:NAG:C6	0.774
8	B:280:SER:OG	N:1:NAG:C6	0.773
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	B:280:SER:O	N:1:NAG:O4	0.734
8	A:280:SER:O	F:1:NAG:O4	0.732
8	A:280:SER:CB	F:1:NAG:C5	0.719
8	B:280:SER:CB	N:1:NAG:C5	0.718
8	B:280:SER:HB2	N:1:NAG:C5	0.706
8	A:280:SER:HB2	F:1:NAG:C5	0.705
8	A:249:LYS:C	F:7:MAN:O3	0.698
8	B:249:LYS:C	N:7:MAN:O3	0.696
8	A:498:LEU:HB2	A:502:PHE:O	0.691
8	B:498:LEU:HB2	B:502:PHE:O	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:247:THR:HG21	N:3:BMA:H61	0.689
8	A:247:THR:HG21	F:3:BMA:H61	0.688
8	B:427:SER:OG	O:7:MAN:H4	0.684
8	A:427:SER:OG	G:7:MAN:H4	0.683
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:415:THR:HG21	G:1:NAG:H4	0.622
8	B:415:THR:HG21	O:1:NAG:H4	0.621
8	A:252:PRO:HD3	F:7:MAN:H61	0.619
8	B:252:PRO:HD3	N:7:MAN:H61	0.617
8	A:247:THR:CG2	F:3:BMA:H5	0.615
8	B:28:ARG:CG	B:28:ARG:HH11	0.614
8	A:28:ARG:CG	A:28:ARG:HH11	0.612
8	A:341:ASN:HB3	A:342:PRO:HD3	0.610
8	B:341:ASN:HB3	B:342:PRO:HD3	0.610
8	B:247:THR:CG2	N:3:BMA:H5	0.609
8	A:409:ASN:HD22	A:410:ASN:H	0.592
8	A:447:LEU:HB3	A:448:PRO:HD3	0.591
8	B:409:ASN:HD22	B:410:ASN:H	0.591
8	A:277:ASP:HB3	F:1:NAG:O6	0.590
8	B:429:THR:HG21	O:2:NAG:H3	0.590

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:429:THR:HG21	G:2:NAG:H3	0.589
8	B:277:ASP:HB3	N:1:NAG:O6	0.589
8	A:415:THR:HG22	G:1:NAG:H61	0.586
8	B:415:THR:HG22	O:1:NAG:H61	0.584
8	A:247:THR:CG2	F:3:BMA:C6	0.580
8	A:280:SER:HB2	F:1:NAG:C4	0.580
8	B:280:SER:HB2	N:1:NAG:C4	0.579
8	B:247:THR:CG2	N:3:BMA:C6	0.576
8	A:491:ARG:NH2	I:1:NAG:C2	0.566
8	A:249:LYS:CA	F:7:MAN:O3	0.565
8	B:249:LYS:CA	N:7:MAN:O3	0.565
8	B:114:ASN:HD21	L:1:NAG:HO6	0.561
8	A:391:ASN:HB3	A:393:GLN:HG3	0.560
8	B:391:ASN:HB3	B:393:GLN:HG3	0.560
8	B:463:ASN:HD22	P:1:NAG:C1	0.560
8	A:463:ASN:HD22	H:1:NAG:C1	0.559
8	B:28:ARG:HG2	B:28:ARG:HH11	0.552
8	A:28:ARG:HG2	A:28:ARG:HH11	0.551
8	B:488:THR:HG22	B:491:ARG:NH2	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	B:105:ARG:HG2	B:203:LEU:HB3	0.540

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:359:THR:HG22	A:393:GLN:HG2	0.536
8	B:277:ASP:HB3	N:1:NAG:HO6	0.536
8	B:359:THR:HG22	B:393:GLN:HG2	0.536
8	B:530:LYS:NZ	R:2:NAG:C	0.535
8	A:530:LYS:NZ	J:2:NAG:C	0.534
8	A:114:ASN:ND2	D:1:NAG:O6	0.529
8	A:491:ARG:CZ	I:1:NAG:C3	0.527
8	B:491:ARG:CZ	Q:1:NAG:C3	0.527
8	A:252:PRO:CG	F:7:MAN:C6	0.525
8	A:491:ARG:NH2	I:1:NAG:O	0.525
8	B:491:ARG:NH2	Q:1:NAG:O	0.525
8	B:114:ASN:ND2	L:1:NAG:O6	0.524
8	A:277:ASP:HB3	F:1:NAG:HO6	0.521
8	B:252:PRO:CG	N:7:MAN:C6	0.520
8	A:491:ARG:CZ	I:1:NAG:H3	0.508
8	B:491:ARG:CZ	Q:1:NAG:H3	0.508
8	A:249:LYS:C	F:7:MAN:C3	0.505
8	B:249:LYS:C	N:7:MAN:C3	0.505
8	B:247:THR:HB	N:3:BMA:O4	0.499
8	A:499:ASN:N	A:499:ASN:HD22	0.499
8	A:247:THR:HB	F:3:BMA:O4	0.498
8	B:30:LYS:O	K:1:NAG:O	0.498
8	B:499:ASN:N	B:499:ASN:HD22	0.497

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:30:LYS:O	C:1:NAG:O	0.497
8	A:415:THR:CG2	G:1:NAG:H4	0.487
8	B:415:THR:CG2	O:1:NAG:H4	0.487
8	B:280:SER:OG	N:1:NAG:O6	0.483
8	A:280:SER:OG	F:1:NAG:O6	0.481
8	B:28:ARG:CG	B:28:ARG:NH1	0.479
8	B:423:ILE:HB	B:424:PRO:HD3	0.479
8	A:30:LYS:O	C:1:NAG:C	0.479
8	A:28:ARG:CG	A:28:ARG:NH1	0.478
8	B:30:LYS:O	K:1:NAG:C	0.478
8	A:423:ILE:HB	A:424:PRO:HD3	0.477
8	A:252:PRO:CD	F:7:MAN:C6	0.474
8	B:252:PRO:CD	N:7:MAN:C6	0.473
8	A:463:ASN:ND2	H:1:NAG:C1	0.458
8	A:247:THR:HG22	F:3:BMA:C4	0.457
8	A:528:PRO:HA	A:529:PRO:HD3	0.457
8	B:463:ASN:ND2	P:1:NAG:C1	0.457
8	B:247:THR:HG22	N:3:BMA:C4	0.456
8	B:528:PRO:HA	B:529:PRO:HD3	0.454
8	A:77:ARG:HH21	A:91:PRO:HB2	0.451
8	A:341:ASN:CB	A:342:PRO:HD3	0.441
8	B:341:ASN:CB	B:342:PRO:HD3	0.441
8	B:33:SER:HB3	B:83:ILE:HD12	0.440

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:33:SER:HB3	A:83:ILE:HD12	0.439
8	B:247:THR:CG2	N:3:BMA:C5	0.439
8	A:252:PRO:HA	F:7:MAN:O6	0.438
8	B:252:PRO:HA	N:7:MAN:O6	0.437
8	A:485:SER:HA	A:486:PRO:C	0.435
8	B:485:SER:HA	B:486:PRO:C	0.435
8	B:491:ARG:CZ	Q:1:NAG:CT	0.434
8	A:247:THR:CG2	F:3:BMA:C5	0.434
8	A:386:LYS:HD2	A:397:ILE:HD11	0.433
8	A:491:ARG:CZ	I:1:NAG:CT	0.433
8	B:386:LYS:HD2	B:397:ILE:HD11	0.431
8	A:463:ASN:ND2	H:1:NAG:C2	0.429
8	B:463:ASN:ND2	P:1:NAG:C2	0.429
8	A:527:ASN:HA	A:528:PRO:C	0.427
8	B:527:ASN:HA	B:528:PRO:C	0.427
8	A:249:LYS:HG2	F:7:MAN:H2	0.426
8	B:249:LYS:HG2	N:7:MAN:H2	0.425
8	A:378:LEU:HD12	A:417:LEU:HG	0.421
8	B:378:LEU:HD12	B:417:LEU:HG	0.421
8	B:498:LEU:CD2	P:1:NAG:O	0.421
8	A:498:LEU:CD2	H:1:NAG:O	0.420
8	B:231:GLU:HA	B:328:THR:O	0.413
8	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:423:ILE:O	B:425:PRO:HD3	0.412
8	A:423:ILE:O	A:425:PRO:HD3	0.411
8	B:280:SER:CB	N:1:NAG:O4	0.406
8	A:280:SER:CB	F:1:NAG:O4	0.405
8	A:262:ARG:HH12	A:264:SER:HA	0.401
8	B:247:THR:CG2	N:3:BMA:O4	0.401
8	B:262:ARG:HH12	B:264:SER:HA	0.401
8	A:247:THR:CG2	F:3:BMA:O4	0.400
9	A:458:GLU:HG2	H:2:NAG:CT	1.595
9	B:458:GLU:HG2	P:2:NAG:CT	1.591
9	B:458:GLU:CG	P:2:NAG:CT	1.564
9	A:458:GLU:CG	H:2:NAG:CT	1.557
9	B:240:ILE:CD1	N:1:NAG:H61	1.525
9	A:240:ILE:CD1	F:1:NAG:H61	1.522
9	A:240:ILE:CD1	F:1:NAG:C6	1.385
9	B:240:ILE:CD1	N:1:NAG:C6	1.383
9	A:278:PRO:HD2	F:7:MAN:O6	1.347
9	B:278:PRO:HD2	N:7:MAN:O6	1.345
9	B:498:LEU:HD11	P:1:NAG:O	1.342
9	A:498:LEU:HD11	H:1:NAG:O	1.338
9	B:240:ILE:CG2	N:1:NAG:O6	1.285
9	A:240:ILE:CG2	F:1:NAG:O6	1.282
9	B:459:PRO:HD2	P:2:NAG:CT	1.269

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:459:PRO:HD2	H:2:NAG:CT	1.267
9	A:498:LEU:CD1	H:1:NAG:O	1.255
9	B:498:LEU:CD1	P:1:NAG:O	1.254
9	B:459:PRO:CD	P:2:NAG:CT	1.234
9	A:459:PRO:CD	H:2:NAG:CT	1.233
9	A:278:PRO:CD	F:7:MAN:O6	1.227
9	B:278:PRO:CD	N:7:MAN:O6	1.227
9	A:240:ILE:HB	F:1:NAG:O6	1.187
9	B:240:ILE:HB	N:1:NAG:O6	1.187
9	B:445:GLN:OE1	R:1:NAG:H62	1.185
9	A:445:GLN:OE1	J:1:NAG:H62	1.181
9	B:240:ILE:CB	N:1:NAG:O6	1.178
9	A:240:ILE:CB	F:1:NAG:O6	1.177
9	A:243:ASN:HD21	F:1:NAG:C1	1.175
9	B:243:ASN:HD21	N:1:NAG:C1	1.173
9	B:30:LYS:CG	K:6:MAN:O6	1.171
9	A:30:LYS:CG	C:6:MAN:O6	1.170
9	A:243:ASN:ND2	F:1:NAG:C1	1.160
9	A:240:ILE:CG1	F:1:NAG:H61	1.160
9	B:240:ILE:CG1	N:1:NAG:H61	1.160
9	B:240:ILE:HD13	N:1:NAG:C6	1.159
9	B:243:ASN:ND2	N:1:NAG:C1	1.156
9	A:240:ILE:HD13	F:1:NAG:C6	1.154

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:459:PRO:N	H:2:NAG:CT	1.147
9	B:459:PRO:N	P:2:NAG:CT	1.146
9	B:166:ASN:HD21	M:1:NAG:C1	1.135
9	A:166:ASN:HD21	E:1:NAG:C1	1.134
9	A:458:GLU:C	H:2:NAG:CT	1.106
9	B:458:GLU:C	P:2:NAG:CT	1.104
9	B:445:GLN:OE1	R:1:NAG:C6	1.093
9	A:445:GLN:OE1	J:1:NAG:C6	1.091
9	A:458:GLU:HG3	H:2:NAG:CT	1.070
9	B:458:GLU:HG3	P:2:NAG:CT	1.070
9	B:240:ILE:HD12	N:1:NAG:H61	1.060
9	A:240:ILE:HD12	F:1:NAG:H61	1.055
9	A:243:ASN:CG	F:1:NAG:C1	1.046
9	B:243:ASN:CG	N:1:NAG:C1	1.046
9	A:278:PRO:CG	F:7:MAN:O6	1.043
9	B:278:PRO:CG	N:7:MAN:O6	1.043
9	B:458:GLU:HG2	P:2:NAG:C	1.019
9	A:458:GLU:HG2	H:2:NAG:C	1.018
9	A:243:ASN:OD1	F:1:NAG:C1	1.011
9	A:166:ASN:ND2	E:1:NAG:C1	1.010
9	B:166:ASN:ND2	M:1:NAG:C1	1.010
9	B:243:ASN:OD1	N:1:NAG:C1	1.010
9	A:240:ILE:CB	F:1:NAG:C6	0.998

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:240:ILE:CB	N:1:NAG:C6	0.998
9	B:240:ILE:HG21	N:1:NAG:O6	0.983
9	A:240:ILE:HG21	F:1:NAG:O6	0.982
9	A:240:ILE:HD13	F:1:NAG:H61	0.973
9	B:240:ILE:HD13	N:1:NAG:H61	0.970
9	A:445:GLN:NE2	J:1:NAG:O5	0.968
9	B:445:GLN:NE2	R:1:NAG:O5	0.968
9	A:240:ILE:HD12	F:1:NAG:C6	0.945
9	A:240:ILE:HD13	F:1:NAG:C5	0.944
9	B:240:ILE:HD13	N:1:NAG:C5	0.943
9	B:240:ILE:HD12	N:1:NAG:C6	0.939
9	B:278:PRO:HG2	N:7:MAN:O6	0.930
9	A:278:PRO:HG2	F:7:MAN:O6	0.928
9	A:458:GLU:CB	H:2:NAG:CT	0.926
9	B:458:GLU:CB	P:2:NAG:CT	0.926
9	A:445:GLN:CD	J:1:NAG:O6	0.916
9	B:445:GLN:CD	R:1:NAG:O6	0.915
9	A:240:ILE:HG21	F:1:NAG:C6	0.908
9	B:240:ILE:HG21	N:1:NAG:C6	0.908
9	A:458:GLU:CA	H:2:NAG:CT	0.901
9	B:240:ILE:HB	N:1:NAG:C6	0.901
9	B:458:GLU:CA	P:2:NAG:CT	0.901
9	A:240:ILE:HB	F:1:NAG:C6	0.900

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:498:LEU:CG	H:1:NAG:O	0.890
9	B:498:LEU:CG	P:1:NAG:O	0.886
9	A:240:ILE:CB	F:1:NAG:H61	0.861
9	A:460:ASN:N	H:2:NAG:N	0.860
9	B:240:ILE:CB	N:1:NAG:H61	0.859
9	B:460:ASN:N	P:2:NAG:N	0.859
9	B:240:ILE:HD13	N:1:NAG:C4	0.853
9	A:240:ILE:HD13	F:1:NAG:C4	0.852
9	A:501:ASP:OD2	A:502:PHE:HD2	0.837
9	A:240:ILE:CG2	F:1:NAG:C6	0.835
9	B:240:ILE:CG2	N:1:NAG:C6	0.835
9	B:501:ASP:OD2	B:502:PHE:HD2	0.835
9	B:166:ASN:OD1	M:1:NAG:C1	0.832
9	A:166:ASN:OD1	E:1:NAG:C1	0.831
9	A:166:ASN:CG	E:1:NAG:C1	0.828
9	B:166:ASN:CG	M:1:NAG:C1	0.828
9	B:445:GLN:CD	R:1:NAG:C6	0.821
9	A:445:GLN:CD	J:1:NAG:C6	0.820
9	A:240:ILE:HD13	F:1:NAG:H4	0.777
9	B:240:ILE:HD13	N:1:NAG:H4	0.775
9	B:166:ASN:HD21	M:1:NAG:C2	0.774
9	A:166:ASN:HD21	E:1:NAG:C2	0.773
9	A:240:ILE:HG22	F:1:NAG:O6	0.769

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:240:ILE:HG22	N:1:NAG:O6	0.769
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: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:460:ASN:ND2	H:1:NAG:O5	0.735
9	B:460:ASN:ND2	P:1:NAG:O5	0.730
9	A:459:PRO:HD2	H:2:NAG:C	0.707
9	B:459:PRO:HD2	P:2:NAG:C	0.705
9	A:30:LYS:CB	C:6:MAN:O6	0.693
9	A:240:ILE:HD12	F:1:NAG:H62	0.692
9	B:30:LYS:CB	K:6:MAN:O6	0.692
9	A:498:LEU:HB2	A:502:PHE:O	0.691
9	B:240:ILE:HD12	N:1:NAG:H62	0.690
9	B:498:LEU:HB2	B:502:PHE:O	0.690
9	A:240:ILE:HG21	F:1:NAG:O5	0.687
9	B:240:ILE:HG21	N:1:NAG:O5	0.686
9	B:459:PRO:HB2	P:2:NAG:H3	0.675
9	B:499:ASN:N	B:499:ASN:ND2	0.675
9	A:459:PRO:HB2	H:2:NAG:H3	0.674
9	A:499:ASN:N	A:499:ASN:ND2	0.674

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:499:ASN:H	A:499:ASN:ND2	0.671
9	B:499:ASN:H	B:499:ASN:ND2	0.669
9	A:30:LYS:O	C:6:MAN:H4	0.658
9	B:30:LYS:O	K:6:MAN:H4	0.658
9	B:445:GLN:HE22	R:1:NAG:C1	0.649
9	A:445:GLN:HE22	J:1:NAG:C1	0.648
9	A:458:GLU:CG	H:2:NAG:C	0.628
9	B:458:GLU:CG	P:2:NAG:C	0.626
9	A:445:GLN:CD	J:1:NAG:O5	0.615
9	B:28:ARG:CG	B:28:ARG:HH11	0.614
9	B:445:GLN:CD	R:1:NAG:O5	0.614
9	A:28:ARG:CG	A:28:ARG:HH11	0.612
9	A:341:ASN:HB3	A:342:PRO:HD3	0.610
9	B:341:ASN:HB3	B:342:PRO:HD3	0.610
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	B:166:ASN:ND2	M:1:NAG:O5	0.590
9	A:166:ASN:ND2	E:1:NAG:O5	0.588
9	A:240:ILE:CD1	F:1:NAG:C4	0.586
9	B:240:ILE:CD1	N:1:NAG:C4	0.584
9	A:460:ASN:H	H:2:NAG:CT	0.581
9	A:240:ILE:CD1	F:1:NAG:H4	0.580

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:460:ASN:H	P:2:NAG:CT	0.580
9	B:240:ILE:CD1	N:1:NAG:H4	0.579
9	B:30:LYS:HA	K:6:MAN:O4	0.576
9	A:30:LYS:HA	C:6:MAN:O4	0.575
9	A:243:ASN:OD1	F:1:NAG:O5	0.572
9	B:243:ASN:OD1	N:1:NAG:O5	0.572
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	B:30:LYS:HB3	K:6:MAN:O6	0.550
9	A:460:ASN:H	H:2:NAG:C	0.550
9	B:460:ASN:H	P:2:NAG:C	0.549
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	A:30:LYS:HB3	C:6:MAN:O6	0.544
9	A:459:PRO:HB2	H:2:NAG:N	0.541
9	B:105:ARG:HG2	B:203:LEU:HB3	0.540
9	B:459:PRO:HB2	P:2:NAG:N	0.540
9	A:359:THR:HG22	A:393:GLN:HG2	0.536
9	B:359:THR:HG22	B:393:GLN:HG2	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:30:LYS:CA	K:6:MAN:H4	0.534
9	A:30:LYS:CA	C:6:MAN:H4	0.532
9	B:240:ILE:HG21	N:1:NAG:C5	0.532
9	A:240:ILE:HG21	F:1:NAG:C5	0.530
9	A:445:GLN:CG	J:1:NAG:O6	0.528
9	B:445:GLN:CG	R:1:NAG:O6	0.527
9	B:240:ILE:HB	N:1:NAG:HO6	0.526
9	A:499:ASN:N	A:499:ASN:HD22	0.499
9	B:499:ASN:N	B:499:ASN:HD22	0.497
9	A:240:ILE:HB	F:1:NAG:HO6	0.485
9	B:28:ARG:CG	B:28:ARG:NH1	0.479
9	B:423:ILE:HB	B:424:PRO:HD3	0.479
9	A:28:ARG:CG	A:28:ARG:NH1	0.478
9	B:30:LYS:O	K:6:MAN:C3	0.478
9	A:423:ILE:HB	A:424:PRO:HD3	0.477
9	A:30:LYS:O	C:6:MAN:C3	0.477
9	A:445:GLN:HG3	J:1:NAG:O6	0.476
9	B:445:GLN:HG3	R:1:NAG:O6	0.475
9	B:278:PRO:CD	N:7:MAN:C6	0.469
9	A:278:PRO:CD	F:7:MAN:C6	0.467
9	B:30:LYS:O	K:6:MAN:C4	0.466
9	A:30:LYS:O	C:6:MAN:C4	0.465
9	A:278:PRO:HG2	F:7:MAN:HO6	0.459

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:528:PRO:HA	A:529:PRO:HD3	0.457
9	A:445:GLN:OE1	J:1:NAG:O5	0.457
9	B:445:GLN:OE1	R:1:NAG:O5	0.457
9	B:528:PRO:HA	B:529:PRO:HD3	0.454
9	A:30:LYS:O	C:6:MAN:O3	0.454
9	A:30:LYS:HA	C:6:MAN:C4	0.452
9	B:30:LYS:HA	K:6:MAN:C4	0.452
9	A:77:ARG:HH21	A:91:PRO:HB2	0.451
9	A:30:LYS:CG	C:6:MAN:C6	0.450
9	B:30:LYS:O	K:6:MAN:O3	0.450
9	B:30:LYS:CG	K:6:MAN:C6	0.447
9	B:278:PRO:HD2	N:7:MAN:C6	0.446
9	A:278:PRO:HD2	F:7:MAN:C6	0.442
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:445:GLN:OE1	J:1:NAG:C5	0.440
9	A:33:SER:HB3	A:83:ILE:HD12	0.439
9	B:278:PRO:HG2	N:7:MAN:HO6	0.438
9	B:445:GLN:OE1	R:1:NAG:C5	0.438
9	A:485:SER:HA	A:486:PRO:C	0.435
9	B:485:SER:HA	B:486:PRO:C	0.435
9	A:386:LYS:HD2	A:397:ILE:HD11	0.433

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	B:30:LYS:O	K:6:MAN:O2	0.427
9	A:378:LEU:HD12	A:417:LEU:HG	0.421
9	B:378:LEU:HD12	B:417:LEU:HG	0.421
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	A:30:LYS:C	C:6:MAN:H4	0.406
9	B:30:LYS:C	K:6:MAN:H4	0.406
9	B:278:PRO:HG2	N:7:MAN:C6	0.404
9	A:30:LYS:HA	C:6:MAN:H4	0.403
9	B:30:LYS:HA	K:6:MAN:H4	0.403
9	A:262:ARG:HH12	A:264:SER:HA	0.401
9	B:262:ARG:HH12	B:264:SER:HA	0.401
10	A:413:ASN:ND2	G:1:NAG:C1	1.458
10	A:463:ASN:HD21	H:1:NAG:C2	1.403
10	B:463:ASN:HD21	P:1:NAG:C2	1.400
10	A:504:GLN:HB2	H:1:NAG:CT	1.374
10	A:413:ASN:HD21	G:1:NAG:C1	1.372
10	B:491:ARG:HG2	Q:1:NAG:O	1.296

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:491:ARG:HG2	I:1:NAG:O	1.291
10	A:463:ASN:ND2	H:1:NAG:C2	1.289
10	B:463:ASN:ND2	P:1:NAG:C2	1.288
10	A:413:ASN:ND2	G:1:NAG:O5	1.275
10	A:463:ASN:CG	H:1:NAG:C1	1.228
10	B:463:ASN:CG	P:1:NAG:C1	1.228
10	A:114:ASN:ND2	D:1:NAG:C1	1.208
10	B:114:ASN:ND2	L:1:NAG:C1	1.208
10	B:445:GLN:HG2	R:1:NAG:C2	1.172
10	A:445:GLN:HG2	J:1:NAG:C2	1.170
10	A:491:ARG:CZ	I:1:NAG:H4	1.160
10	B:491:ARG:CZ	Q:1:NAG:H4	1.160
10	A:463:ASN:OD1	H:1:NAG:N	1.148
10	B:463:ASN:OD1	P:1:NAG:N	1.148
10	A:463:ASN:OD1	H:1:NAG:C1	1.106
10	B:463:ASN:OD1	P:1:NAG:C1	1.106
10	B:491:ARG:NH2	Q:1:NAG:H61	1.103
10	A:491:ARG:NH2	I:1:NAG:H61	1.102
10	A:114:ASN:ND2	D:1:NAG:O5	1.066
10	B:114:ASN:ND2	L:1:NAG:O5	1.066
10	B:463:ASN:ND2	P:1:NAG:C1	1.059
10	B:491:ARG:CG	Q:1:NAG:O	1.058
10	A:491:ARG:CG	I:1:NAG:O	1.057

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:463:ASN:ND2	H:1:NAG:C1	1.057
10	A:491:ARG:NE	I:1:NAG:H4	1.033
10	B:491:ARG:NE	Q:1:NAG:H4	1.033
10	B:445:GLN:N	R:1:NAG:C	1.031
10	A:445:GLN:N	J:1:NAG:C	1.030
10	A:166:ASN:ND2	E:1:NAG:C1	1.003
10	B:166:ASN:ND2	M:1:NAG:C1	1.003
10	B:166:ASN:ND2	M:1:NAG:O5	1.002
10	A:166:ASN:ND2	E:1:NAG:O5	1.001
10	A:413:ASN:CG	G:1:NAG:C1	0.995
10	A:463:ASN:CG	H:1:NAG:C2	0.995
10	B:463:ASN:CG	P:1:NAG:C2	0.992
10	B:463:ASN:OD1	P:1:NAG:C2	0.973
10	A:463:ASN:OD1	H:1:NAG:C2	0.972
10	A:504:GLN:CB	H:1:NAG:CT	0.964
10	A:279:ASN:HB3	F:2:NAG:H61	0.939
10	B:279:ASN:HB3	N:2:NAG:H61	0.939
10	B:491:ARG:HH21	Q:1:NAG:H61	0.928
10	A:491:ARG:HH21	I:1:NAG:H61	0.927
10	B:445:GLN:H	R:1:NAG:CT	0.922
10	A:445:GLN:H	J:1:NAG:CT	0.920
10	A:445:GLN:CG	J:1:NAG:C2	0.917
10	B:445:GLN:CG	R:1:NAG:C2	0.917

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:491:ARG:O	I:1:NAG:O	0.917
10	B:491:ARG:O	Q:1:NAG:O	0.916
10	B:445:GLN:HG2	R:1:NAG:C	0.906
10	A:445:GLN:HG2	J:1:NAG:C	0.905
10	B:280:SER:HB3	N:2:NAG:H62	0.888
10	A:280:SER:HB3	F:2:NAG:H62	0.887
10	B:166:ASN:CG	M:1:NAG:C1	0.886
10	A:166:ASN:CG	E:1:NAG:C1	0.885
10	A:445:GLN:N	J:1:NAG:CT	0.884
10	B:445:GLN:N	R:1:NAG:CT	0.884
10	B:445:GLN:HG2	R:1:NAG:O	0.883
10	A:445:GLN:HG2	J:1:NAG:O	0.882
10	B:166:ASN:HD21	M:1:NAG:C1	0.875
10	A:166:ASN:HD21	E:1:NAG:C1	0.873
10	A:501:ASP:OD2	A:502:PHE:HD2	0.837
10	B:501:ASP:OD2	B:502:PHE:HD2	0.835
10	A:114:ASN:CG	D:1:NAG:C1	0.832
10	B:114:ASN:CG	L:1:NAG:C1	0.830
10	A:277:ASP:OD1	F:1:NAG:H61	0.787
10	B:277:ASP:OD1	N:1:NAG:H61	0.786
10	A:491:ARG:NH2	I:1:NAG:H4	0.775
10	B:491:ARG:NH2	Q:1:NAG:H4	0.775
10	A:499:ASN:H	A:499:ASN:HD22	0.765

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:499:ASN:HD21	B:502:PHE:HB2	0.764
10	A:491:ARG:O	I:1:NAG:C	0.764
10	A:499:ASN:HD21	A:502:PHE:HB2	0.763
10	B:491:ARG:O	Q:1:NAG:C	0.762
10	B:499:ASN:H	B:499:ASN:HD22	0.762
10	A:166:ASN:OD1	E:1:NAG:C1	0.761
10	B:166:ASN:OD1	M:1:NAG:C1	0.760
10	A:501:ASP:OD2	A:502:PHE:CD2	0.756
10	B:501:ASP:OD2	B:502:PHE:CD2	0.754
10	A:445:GLN:CG	J:1:NAG:O	0.736
10	B:445:GLN:CG	R:1:NAG:O	0.736
10	A:445:GLN:HG2	J:1:NAG:N	0.724
10	B:445:GLN:HG2	R:1:NAG:N	0.724
10	B:491:ARG:NH2	Q:1:NAG:C6	0.724
10	A:279:ASN:CB	F:2:NAG:O4	0.722
10	B:279:ASN:CB	N:2:NAG:O4	0.722
10	A:491:ARG:NH2	I:1:NAG:C6	0.722
10	B:279:ASN:OD1	N:7:MAN:C1	0.712
10	A:279:ASN:OD1	F:7:MAN:C1	0.711
10	A:279:ASN:HB2	F:2:NAG:O4	0.697
10	B:279:ASN:HB2	N:2:NAG:O4	0.696
10	A:498:LEU:HB2	A:502:PHE:O	0.691
10	A:463:ASN:CG	H:1:NAG:N	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:498:LEU:HB2	B:502:PHE:O	0.690
10	B:463:ASN:CG	P:1:NAG:N	0.687
10	A:413:ASN:HD21	G:1:NAG:C2	0.684
10	B:499:ASN:N	B:499:ASN:ND2	0.675
10	A:499:ASN:N	A:499:ASN:ND2	0.674
10	A:279:ASN:OD1	F:7:MAN:O5	0.673
10	B:279:ASN:OD1	N:7:MAN:O5	0.672
10	A:499:ASN:H	A:499:ASN:ND2	0.671
10	B:499:ASN:H	B:499:ASN:ND2	0.669
10	A:280:SER:CB	F:2:NAG:H62	0.666
10	B:280:SER:CB	N:2:NAG:H62	0.665
10	A:279:ASN:CB	F:2:NAG:H61	0.655
10	A:445:GLN:H	J:1:NAG:C	0.646
10	B:445:GLN:H	R:1:NAG:C	0.642
10	B:28:ARG:CG	B:28:ARG:HH11	0.614
10	A:28:ARG:CG	A:28:ARG:HH11	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	A:447:LEU:HB3	A:448:PRO:HD3	0.591
10	B:491:ARG:CZ	Q:1:NAG:C4	0.575
10	A:279:ASN:HB2	F:2:NAG:H5	0.572
10	A:491:ARG:CZ	I:1:NAG:C4	0.571
10	B:279:ASN:HB2	N:2:NAG:H5	0.570

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:491:ARG:HG2	I:1:NAG:C	0.569
10	B:279:ASN:CB	N:2:NAG:H61	0.567
10	B:491:ARG:HG2	Q:1:NAG:C	0.565
10	A:413:ASN:OD1	G:1:NAG:C1	0.561
10	A:391:ASN:HB3	A:393:GLN:HG3	0.560
10	B:391:ASN:HB3	B:393:GLN:HG3	0.560
10	B:491:ARG:HD2	Q:1:NAG:O3	0.560
10	A:491:ARG:HD2	I:1:NAG:O3	0.559
10	B:28:ARG:HG2	B:28:ARG:HH11	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	A:109:LEU:H	A:109:LEU:HD12	0.545
10	B:109:LEU:H	B:109:LEU:HD12	0.545
10	B:491:ARG:HH21	Q:1:NAG:C6	0.543
10	A:491:ARG:HH21	I:1:NAG:C6	0.541
10	B:105:ARG:HG2	B:203:LEU:HB3	0.540
10	A:491:ARG:NH2	I:1:NAG:C4	0.540
10	B:491:ARG:NH2	Q:1:NAG:C4	0.540
10	B:280:SER:CA	N:2:NAG:H62	0.539
10	A:280:SER:CA	F:2:NAG:H62	0.538
10	A:445:GLN:CB	J:1:NAG:O	0.538
10	B:280:SER:HB3	N:2:NAG:C6	0.537

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:359:THR:HG22	A:393:GLN:HG2	0.536
10	B:359:THR:HG22	B:393:GLN:HG2	0.536
10	B:445:GLN:CB	R:1:NAG:O	0.536
10	A:280:SER:HB3	F:2:NAG:C6	0.535
10	B:279:ASN:ND2	N:3:BMA:O2	0.519
10	A:279:ASN:ND2	F:3:BMA:O2	0.517
10	A:460:ASN:HA	H:1:NAG:CT	0.516
10	B:460:ASN:HA	P:1:NAG:CT	0.516
10	A:504:GLN:NE2	H:1:NAG:CT	0.516
10	A:498:LEU:HD21	H:1:NAG:C1	0.509
10	B:498:LEU:HD21	P:1:NAG:C1	0.508
10	A:499:ASN:N	A:499:ASN:HD22	0.499
10	B:499:ASN:N	B:499:ASN:HD22	0.497
10	A:460:ASN:C	H:1:NAG:O	0.490
10	B:460:ASN:C	P:1:NAG:O	0.490
10	A:491:ARG:C	I:1:NAG:O	0.488
10	B:491:ARG:C	Q:1:NAG:O	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	B:279:ASN:CB	N:3:BMA:C1	0.478
10	A:279:ASN:CB	F:3:BMA:C1	0.477
10	A:423:ILE:HB	A:424:PRO:HD3	0.477

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:279:ASN:HB2	N:2:NAG:C5	0.469
10	A:279:ASN:HB2	F:2:NAG:C5	0.468
10	A:528:PRO:HA	A:529:PRO:HD3	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:445:GLN:HB2	R:1:NAG:O	0.447
10	A:445:GLN:HB2	J:1:NAG:O	0.445
10	A:341:ASN:CB	A:342:PRO:HD3	0.441
10	B:341:ASN:CB	B:342:PRO:HD3	0.441
10	B:491:ARG:HH22	Q:1:NAG:H61	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:491:ARG:HH22	I:1:NAG:H61	0.439
10	A:485:SER:HA	A:486:PRO:C	0.435
10	B:485:SER:HA	B:486:PRO:C	0.435
10	A:386:LYS:HD2	A:397:ILE:HD11	0.433
10	B:386:LYS:HD2	B:397:ILE:HD11	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:280:SER:N	F:2:NAG:H62	0.426
10	B:280:SER:N	N:2:NAG:H62	0.425
10	A:378:LEU:HD12	A:417:LEU:HG	0.421
10	B:378:LEU:HD12	B:417:LEU:HG	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:409:ASN:ND2	G:2:NAG:C2	0.416
10	B:409:ASN:ND2	O:2:NAG:C2	0.415
10	B:231:GLU:HA	B:328:THR:O	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:423:ILE:O	A:425:PRO:HD3	0.411
10	A:262:ARG:HH12	A:264:SER:HA	0.401
10	B:262:ARG:HH12	B:264:SER:HA	0.401
11	A:409:ASN:OD1	G:2:NAG:C6	1.257
11	B:409:ASN:OD1	O:2:NAG:C6	1.257
11	A:413:ASN:HD21	G:1:NAG:C	1.244
11	A:413:ASN:ND2	G:1:NAG:N	1.232
11	B:240:ILE:CG2	N:1:NAG:O	1.227
11	B:240:ILE:HG21	N:1:NAG:O	1.226
11	A:240:ILE:CG2	F:1:NAG:O	1.225
11	A:445:GLN:CG	J:1:NAG:CT	1.220
11	B:445:GLN:CG	R:1:NAG:CT	1.220
11	A:240:ILE:HD13	F:1:NAG:O	1.205
11	B:240:ILE:HD13	N:1:NAG:O	1.200
11	A:413:ASN:HD21	G:1:NAG:C2	1.200
11	A:413:ASN:ND2	G:1:NAG:C	1.199
11	B:498:LEU:HD21	P:1:NAG:C3	1.178
11	A:498:LEU:HD21	H:1:NAG:C3	1.177

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:445:GLN:NE2	J:1:NAG:C	1.177
11	B:445:GLN:NE2	R:1:NAG:C	1.175
11	A:240:ILE:HG21	F:1:NAG:O	1.165
11	B:445:GLN:HG3	R:1:NAG:CT	1.161
11	A:445:GLN:HG3	J:1:NAG:CT	1.160
11	A:445:GLN:CD	J:1:NAG:CT	1.157
11	B:445:GLN:CD	R:1:NAG:CT	1.155
11	A:240:ILE:CG1	F:1:NAG:O	1.151
11	B:240:ILE:CG1	N:1:NAG:O	1.150
11	A:409:ASN:OD1	G:2:NAG:O6	1.140
11	B:240:ILE:CD1	N:1:NAG:O	1.138
11	A:240:ILE:CD1	F:1:NAG:O	1.137
11	B:409:ASN:OD1	O:2:NAG:O6	1.136
11	A:114:ASN:OD1	D:1:NAG:C	1.131
11	B:114:ASN:OD1	L:1:NAG:C	1.130
11	A:167:GLU:HG3	E:1:NAG:C	1.098
11	B:167:GLU:HG3	M:1:NAG:C	1.095
11	A:112:VAL:CG1	D:1:NAG:O	1.080
11	B:112:VAL:CG1	L:1:NAG:O	1.079
11	A:413:ASN:ND2	G:1:NAG:C2	1.031
11	A:498:LEU:CD2	H:1:NAG:H3	1.019
11	B:498:LEU:CD2	P:1:NAG:H3	1.019
11	A:491:ARG:HG2	I:1:NAG:H62	1.013

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:491:ARG:HG2	Q:1:NAG:H62	1.012
11	A:498:LEU:HD21	H:1:NAG:H3	1.001
11	B:498:LEU:HD21	P:1:NAG:H3	1.000
11	A:240:ILE:HD13	F:1:NAG:C	0.998
11	B:240:ILE:HD13	N:1:NAG:C	0.998
11	A:409:ASN:OD1	G:2:NAG:H62	0.993
11	B:409:ASN:OD1	O:2:NAG:H62	0.993
11	A:445:GLN:NE2	J:1:NAG:N	0.939
11	B:445:GLN:NE2	R:1:NAG:N	0.939
11	B:166:ASN:OD1	M:1:NAG:N	0.939
11	B:240:ILE:HG12	N:1:NAG:CT	0.935
11	A:166:ASN:OD1	E:1:NAG:N	0.935
11	A:240:ILE:HG12	F:1:NAG:CT	0.932
11	A:112:VAL:HG11	D:1:NAG:O	0.931
11	B:112:VAL:HG11	L:1:NAG:O	0.929
11	A:445:GLN:NE2	J:1:NAG:CT	0.923
11	B:445:GLN:NE2	R:1:NAG:CT	0.921
11	A:240:ILE:CD1	F:1:NAG:C	0.918
11	B:240:ILE:CD1	N:1:NAG:C	0.917
11	A:498:LEU:HD21	H:1:NAG:C1	0.884
11	B:498:LEU:HD21	P:1:NAG:C1	0.884
11	A:413:ASN:CG	G:1:NAG:N	0.860
11	A:498:LEU:CD2	H:1:NAG:C1	0.854

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:167:GLU:CD	M:1:NAG:CT	0.854
11	A:167:GLU:CD	E:1:NAG:CT	0.853
11	B:498:LEU:CD2	P:1:NAG:C1	0.853
11	A:240:ILE:CB	F:1:NAG:O	0.842
11	B:240:ILE:CB	N:1:NAG:O	0.841
11	A:413:ASN:ND2	G:1:NAG:O	0.839
11	A:501:ASP:OD2	A:502:PHE:HD2	0.837
11	B:114:ASN:OD1	L:1:NAG:N	0.836
11	B:501:ASP:OD2	B:502:PHE:HD2	0.835
11	B:491:ARG:CG	Q:1:NAG:H62	0.834
11	A:114:ASN:OD1	D:1:NAG:N	0.834
11	A:491:ARG:CG	I:1:NAG:H62	0.832
11	B:463:ASN:CG	P:1:NAG:C1	0.815
11	A:463:ASN:CG	H:1:NAG:C1	0.812
11	A:167:GLU:CG	E:1:NAG:C	0.805
11	B:167:GLU:CG	M:1:NAG:C	0.800
11	B:112:VAL:HG12	L:1:NAG:O	0.791
11	A:112:VAL:HG12	D:1:NAG:O	0.788
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	A:240:ILE:HG12	F:1:NAG:C	0.762
11	B:499:ASN:H	B:499:ASN:HD22	0.762

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:240:ILE:HG12	N:1:NAG:C	0.761
11	A:240:ILE:HG12	F:1:NAG:O	0.757
11	A:501:ASP:OD2	A:502:PHE:CD2	0.756
11	B:240:ILE:HG12	N:1:NAG:O	0.755
11	B:501:ASP:OD2	B:502:PHE:CD2	0.754
11	B:498:LEU:HD21	P:1:NAG:C2	0.752
11	A:240:ILE:CG1	F:1:NAG:C	0.751
11	A:498:LEU:HD21	H:1:NAG:C2	0.751
11	B:240:ILE:CG1	N:1:NAG:C	0.751
11	A:114:ASN:CG	D:1:NAG:N	0.744
11	B:114:ASN:CG	L:1:NAG:N	0.739
11	A:511:PHE:N	I:1:NAG:CT	0.736
11	B:511:PHE:N	Q:1:NAG:CT	0.734
11	A:243:ASN:CG	F:1:NAG:C1	0.722
11	B:243:ASN:CG	N:1:NAG:C1	0.722
11	A:243:ASN:OD1	F:1:NAG:C2	0.721
11	B:243:ASN:OD1	N:1:NAG:C2	0.721
11	A:498:LEU:HB2	A:502:PHE:O	0.691
11	B:498:LEU:HB2	B:502:PHE:O	0.690
11	B:445:GLN:CD	R:1:NAG:C	0.677
11	A:243:ASN:OD1	F:1:NAG:C1	0.677
11	B:243:ASN:OD1	N:1:NAG:C1	0.676
11	B:499:ASN:N	B:499:ASN:ND2	0.675

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:499:ASN:N	A:499:ASN:ND2	0.674
11	A:445:GLN:CD	J:1:NAG:C	0.671
11	A:499:ASN:H	A:499:ASN:ND2	0.671
11	B:499:ASN:H	B:499:ASN:ND2	0.669
11	A:433:GLN:HB3	G:1:NAG:CT	0.665
11	B:433:GLN:HB3	O:1:NAG:CT	0.663
11	A:504:GLN:HE21	H:1:NAG:C	0.660
11	A:409:ASN:CG	G:2:NAG:C6	0.654
11	B:409:ASN:CG	O:2:NAG:C6	0.653
11	A:504:GLN:NE2	H:1:NAG:CT	0.639
11	B:167:GLU:CG	M:1:NAG:CT	0.627
11	A:167:GLU:CG	E:1:NAG:CT	0.625
11	A:498:LEU:HD22	H:1:NAG:C1	0.620
11	B:498:LEU:HD22	P:1:NAG:C1	0.618
11	B:28:ARG:CG	B:28:ARG:HH11	0.614
11	A:463:ASN:ND2	H:1:NAG:C2	0.614
11	B:463:ASN:ND2	P:1:NAG:C2	0.613
11	A:28:ARG:CG	A:28:ARG:HH11	0.612
11	A:510:LYS:C	I:1:NAG:CT	0.612
11	B:510:LYS:C	Q:1:NAG:CT	0.611
11	A:341:ASN:HB3	A:342:PRO:HD3	0.610
11	B:341:ASN:HB3	B:342:PRO:HD3	0.610
11	A:409:ASN:HD22	A:410:ASN:H	0.592

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:447:LEU:HB3	A:448:PRO:HD3	0.591
11	B:409:ASN:HD22	B:410:ASN:H	0.591
11	A:240:ILE:HD13	F:1:NAG:O3	0.579
11	B:240:ILE:HD13	N:1:NAG:O3	0.579
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:511:PHE:O	I:1:NAG:CT	0.550
11	B:511:PHE:O	Q:1:NAG:CT	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	B:105:ARG:HG2	B:203:LEU:HB3	0.540
11	A:359:THR:HG22	A:393:GLN:HG2	0.536
11	B:359:THR:HG22	B:393:GLN:HG2	0.536
11	B:167:GLU:HG3	M:1:NAG:CT	0.518
11	A:167:GLU:HG3	E:1:NAG:CT	0.517
11	B:32:LEU:HD12	K:1:NAG:CT	0.515
11	B:460:ASN:OD1	P:1:NAG:C2	0.515
11	A:32:LEU:HD12	C:1:NAG:CT	0.514
11	A:460:ASN:OD1	H:1:NAG:C2	0.514

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:463:ASN:HD21	H:1:NAG:C2	0.507
11	B:463:ASN:HD21	P:1:NAG:C2	0.506
11	B:409:ASN:CG	O:2:NAG:O6	0.505
11	A:409:ASN:CG	G:2:NAG:O6	0.501
11	A:499:ASN:N	A:499:ASN:HD22	0.499
11	B:499:ASN:N	B:499:ASN:HD22	0.497
11	A:445:GLN:HE21	J:1:NAG:C	0.494
11	B:445:GLN:HE21	R:1:NAG:C	0.490
11	A:463:ASN:ND2	H:1:NAG:C1	0.489
11	B:463:ASN:ND2	P:1:NAG:C1	0.489
11	A:504:GLN:NE2	H:1:NAG:C	0.484
11	B:460:ASN:OD1	P:1:NAG:O3	0.484
11	A:460:ASN:OD1	H:1:NAG:O3	0.481
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:423:ILE:HB	A:424:PRO:HD3	0.477
11	A:491:ARG:CD	I:1:NAG:H62	0.462
11	B:491:ARG:CD	Q:1:NAG:H62	0.461
11	A:491:ARG:HG2	I:1:NAG:C6	0.460
11	A:528:PRO:HA	A:529:PRO:HD3	0.457
11	B:491:ARG:HG2	Q:1:NAG:C6	0.455
11	B:528:PRO:HA	B:529:PRO:HD3	0.454

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:77:ARG:HH21	A:91:PRO:HB2	0.451
11	A:504:GLN:HE21	H:1:NAG:CT	0.448
11	B:114:ASN:OD1	L:1:NAG:O	0.446
11	A:114:ASN:OD1	D:1:NAG:O	0.443
11	A:341:ASN:CB	A:342:PRO:HD3	0.441
11	B:341:ASN:CB	B:342:PRO:HD3	0.441
11	B:33:SER:HB3	B:83:ILE:HD12	0.440
11	A:33:SER:HB3	A:83:ILE:HD12	0.439
11	B:445:GLN:HE22	R:1:NAG:C	0.437
11	A:445:GLN:HG2	J:1:NAG:CT	0.436
11	A:485:SER:HA	A:486:PRO:C	0.435
11	B:485:SER:HA	B:486:PRO:C	0.435
11	B:445:GLN:HG2	R:1:NAG:CT	0.435
11	A:386:LYS:HD2	A:397:ILE:HD11	0.433
11	B:386:LYS:HD2	B:397:ILE:HD11	0.431
11	A:445:GLN:HE22	J:1:NAG:C	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	B:445:GLN:HE21	R:1:NAG:CT	0.427
11	A:445:GLN:HE21	J:1:NAG:CT	0.426
11	A:378:LEU:HD12	A:417:LEU:HG	0.421
11	B:378:LEU:HD12	B:417:LEU:HG	0.421
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:498:LEU:CD2	H:1:NAG:H5	0.412
11	B:498:LEU:CD2	P:1:NAG:H5	0.412
11	A:423:ILE:O	A:425:PRO:HD3	0.411
11	A:498:LEU:CG	H:1:NAG:H3	0.403
11	B:498:LEU:CG	P:1:NAG:H3	0.402
11	A:262:ARG:HH12	A:264:SER:HA	0.401
11	B:262:ARG:HH12	B:264:SER:HA	0.401
12	A:504:GLN:CB	H:1:NAG:CT	1.617
12	A:504:GLN:HB3	H:1:NAG:CT	1.452
12	A:459:PRO:HD3	H:7:MAN:O6	1.298
12	B:459:PRO:HD3	P:7:MAN:O6	1.292
12	A:433:GLN:HB3	G:1:NAG:CT	1.272
12	B:240:ILE:HD12	N:2:NAG:O5	1.271
12	B:433:GLN:HB3	O:1:NAG:CT	1.270
12	A:240:ILE:HD12	F:2:NAG:O5	1.268
12	B:240:ILE:CD1	N:2:NAG:O5	1.222
12	A:240:ILE:CD1	F:2:NAG:O5	1.220
12	A:243:ASN:OD1	F:1:NAG:C1	1.175
12	B:243:ASN:OD1	N:1:NAG:C1	1.174
12	A:413:ASN:HD21	G:1:NAG:C2	1.167
12	A:114:ASN:HD22	D:1:NAG:C1	1.127

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:114:ASN:HD22	L:1:NAG:C1	1.127
12	A:532:ASN:OD1	J:1:NAG:C1	1.126
12	B:532:ASN:OD1	R:1:NAG:C1	1.126
12	B:238:ASP:HB3	N:7:MAN:C6	1.093
12	A:238:ASP:HB3	F:7:MAN:C6	1.092
12	A:463:ASN:OD1	H:1:NAG:C	1.083
12	B:463:ASN:OD1	P:1:NAG:C	1.081
12	A:459:PRO:HB2	H:2:NAG:C6	1.062
12	B:459:PRO:HB2	P:2:NAG:C6	1.062
12	B:510:LYS:NZ	Q:7:MAN:O4	1.039
12	A:510:LYS:NZ	I:7:MAN:O4	1.037
12	A:532:ASN:CG	J:1:NAG:C1	1.009
12	B:532:ASN:CG	R:1:NAG:C1	1.008
12	A:504:GLN:HB2	H:1:NAG:CT	0.998
12	B:459:PRO:CD	P:7:MAN:O6	0.996
12	A:459:PRO:CD	H:7:MAN:O6	0.994
12	A:240:ILE:HD12	F:2:NAG:C5	0.967
12	B:240:ILE:HD12	N:2:NAG:C5	0.967
12	B:114:ASN:ND2	L:1:NAG:C1	0.963
12	A:114:ASN:ND2	D:1:NAG:C1	0.961
12	A:459:PRO:HB2	H:2:NAG:H62	0.941
12	B:459:PRO:HB2	P:2:NAG:H62	0.937
12	A:433:GLN:CB	G:1:NAG:CT	0.931

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:433:GLN:CB	O:1:NAG:CT	0.931
12	A:413:ASN:ND2	G:1:NAG:C2	0.929
12	A:459:PRO:HB2	H:2:NAG:O6	0.926
12	B:459:PRO:HB2	P:2:NAG:O6	0.925
12	A:114:ASN:ND2	D:1:NAG:C2	0.925
12	B:114:ASN:ND2	L:1:NAG:C2	0.925
12	B:511:PHE:CB	Q:2:NAG:H61	0.897
12	A:511:PHE:CB	I:2:NAG:H61	0.896
12	A:243:ASN:OD1	F:1:NAG:C2	0.889
12	B:243:ASN:OD1	N:1:NAG:C2	0.889
12	B:459:PRO:HD3	P:7:MAN:HO6	0.886
12	A:463:ASN:OD1	H:1:NAG:N	0.880
12	B:463:ASN:OD1	P:1:NAG:N	0.878
12	A:463:ASN:OD1	H:1:NAG:CT	0.871
12	B:463:ASN:OD1	P:1:NAG:CT	0.871
12	A:463:ASN:CG	H:1:NAG:N	0.865
12	B:463:ASN:CG	P:1:NAG:N	0.865
12	A:459:PRO:HD3	H:7:MAN:HO6	0.864
12	A:413:ASN:HD21	G:1:NAG:C	0.844
12	A:501:ASP:OD2	A:502:PHE:HD2	0.837
12	B:501:ASP:OD2	B:502:PHE:HD2	0.835
12	A:413:ASN:ND2	G:1:NAG:N	0.820
12	A:413:ASN:ND2	G:1:NAG:C	0.814

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:504:GLN:HE21	H:1:NAG:CT	0.810
12	B:243:ASN:CG	N:1:NAG:C1	0.802
12	A:243:ASN:CG	F:1:NAG:C1	0.801
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:501:ASP:OD2	A:502:PHE:CD2	0.756
12	A:238:ASP:CB	F:7:MAN:C6	0.756
12	B:501:ASP:OD2	B:502:PHE:CD2	0.754
12	B:238:ASP:CB	N:7:MAN:C6	0.751
12	A:114:ASN:HD21	D:1:NAG:C2	0.734
12	B:114:ASN:HD21	L:1:NAG:C2	0.731
12	A:240:ILE:HD12	F:2:NAG:C1	0.724
12	B:240:ILE:HD12	N:2:NAG:C1	0.723
12	B:30:LYS:O	K:1:NAG:O5	0.719
12	A:30:LYS:O	C:1:NAG:O5	0.718
12	A:532:ASN:OD1	J:1:NAG:C2	0.713
12	B:532:ASN:OD1	R:1:NAG:C2	0.713
12	A:238:ASP:HB3	F:7:MAN:C5	0.711
12	B:238:ASP:HB3	N:7:MAN:C5	0.711
12	B:240:ILE:HG12	N:1:NAG:O	0.704
12	A:240:ILE:HG12	F:1:NAG:O	0.703

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:498:LEU:HB2	A:502:PHE:O	0.691
12	B:498:LEU:HB2	B:502:PHE:O	0.690
12	A:459:PRO:CB	H:2:NAG:H62	0.681
12	B:459:PRO:CB	P:2:NAG:H62	0.680
12	A:504:GLN:CG	H:1:NAG:CT	0.677
12	B:499:ASN:N	B:499:ASN:ND2	0.675
12	A:499:ASN:N	A:499:ASN:ND2	0.674
12	A:463:ASN:CG	H:1:NAG:C	0.671
12	A:499:ASN:H	A:499:ASN:ND2	0.671
12	B:499:ASN:H	B:499:ASN:ND2	0.669
12	B:463:ASN:CG	P:1:NAG:C	0.667
12	A:510:LYS:N	I:2:NAG:O6	0.660
12	B:510:LYS:N	Q:2:NAG:O6	0.659
12	A:413:ASN:ND2	G:1:NAG:O	0.654
12	A:240:ILE:CD1	F:2:NAG:C1	0.630
12	B:240:ILE:CD1	N:2:NAG:C1	0.630
12	B:459:PRO:HG2	P:3:BMA:H2	0.623
12	A:459:PRO:HG2	H:3:BMA:H2	0.622
12	A:511:PHE:CB	I:2:NAG:C6	0.622
12	B:511:PHE:CB	Q:2:NAG:C6	0.621
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:341:ASN:HB3	B:342:PRO:HD3	0.610
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	A:504:GLN:NE2	H:1:NAG:CT	0.577
12	A:433:GLN:CG	G:1:NAG:CT	0.570
12	B:433:GLN:CG	O:1:NAG:CT	0.570
12	A:510:LYS:CE	I:7:MAN:O4	0.566
12	B:510:LYS:CE	Q:7:MAN:O4	0.565
12	A:391:ASN:HB3	A:393:GLN:HG3	0.560
12	B:391:ASN:HB3	B:393:GLN:HG3	0.560
12	B:510:LYS:HZ3	Q:7:MAN:HO4	0.557
12	B:28:ARG:HG2	B:28:ARG:HH11	0.552
12	A:510:LYS:HZ3	I:7:MAN:HO4	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	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:433:GLN:CD	G:1:NAG:N	0.530

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:433:GLN:CD	O:1:NAG:N	0.530
12	A:532:ASN:ND2	J:1:NAG:N	0.515
12	B:532:ASN:ND2	R:1:NAG:N	0.515
12	A:240:ILE:HD12	F:2:NAG:C6	0.514
12	A:504:GLN:HB2	H:1:NAG:C	0.514
12	B:240:ILE:HD12	N:2:NAG:C6	0.514
12	A:460:ASN:O	H:1:NAG:H4	0.512
12	B:460:ASN:O	P:1:NAG:H4	0.512
12	B:238:ASP:HB3	N:7:MAN:O5	0.511
12	A:238:ASP:HB3	F:7:MAN:O5	0.509
12	A:499:ASN:N	A:499:ASN:HD22	0.499
12	B:499:ASN:N	B:499:ASN:HD22	0.497
12	A:413:ASN:CG	G:1:NAG:N	0.484
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:423:ILE:HB	A:424:PRO:HD3	0.477
12	B:239:VAL:HA	N:7:MAN:O6	0.465
12	A:240:ILE:HG13	F:2:NAG:H62	0.463
12	B:240:ILE:HG13	N:2:NAG:H62	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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:341:ASN:CB	A:342:PRO:HD3	0.441
12	B:341:ASN:CB	B:342:PRO:HD3	0.441
12	B:33:SER:HB3	B:83:ILE:HD12	0.440
12	A:33:SER:HB3	A:83:ILE:HD12	0.439
12	A:240:ILE:HD11	F:2:NAG:O5	0.439
12	A:459:PRO:CG	H:7:MAN:O6	0.436
12	B:459:PRO:CG	P:7:MAN:O6	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	B:240:ILE:HD11	N:2:NAG:O5	0.435
12	B:459:PRO:CB	P:2:NAG:O6	0.435
12	A:386:LYS:HD2	A:397:ILE:HD11	0.433
12	A:459:PRO:CB	H:2:NAG:O6	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	B:238:ASP:OD2	N:7:MAN:O5	0.423
12	A:238:ASP:OD2	F:7:MAN:O5	0.422
12	A:378:LEU:HD12	A:417:LEU:HG	0.421
12	B:378:LEU:HD12	B:417:LEU:HG	0.421
12	A:460:ASN:HB3	H:2:NAG:C1	0.415
12	B:460:ASN:HB3	P:2:NAG:C1	0.414
12	B:231:GLU:HA	B:328:THR:O	0.413

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:231:GLU:HA	A:328:THR:O	0.412
12	B:423:ILE:O	B:425:PRO:HD3	0.412
12	A:240:ILE:CG1	F:2:NAG:H62	0.412
12	B:240:ILE:CG1	N:2:NAG:H62	0.412
12	A:423:ILE:O	A:425:PRO:HD3	0.411
12	A:262:ARG:HH12	A:264:SER:HA	0.401
12	B:262:ARG:HH12	B:264:SER:HA	0.401
13	A:112:VAL:CG1	D:1:NAG:C	1.515
13	B:112:VAL:CG1	L:1:NAG:C	1.510
13	A:112:VAL:HG12	D:1:NAG:C	1.456
13	B:112:VAL:HG12	L:1:NAG:C	1.453
13	A:433:GLN:CD	G:1:NAG:CT	1.438
13	B:433:GLN:CD	O:1:NAG:CT	1.436
13	A:510:LYS:H	I:1:NAG:CT	1.402
13	B:510:LYS:H	Q:1:NAG:CT	1.400
13	A:112:VAL:CG1	D:1:NAG:O	1.377
13	B:112:VAL:CG1	L:1:NAG:O	1.375
13	A:114:ASN:ND2	D:1:NAG:C1	1.282
13	B:114:ASN:ND2	L:1:NAG:C1	1.280
13	A:408:LYS:HB3	G:2:NAG:CT	1.240
13	B:408:LYS:HB3	O:2:NAG:CT	1.237
13	A:112:VAL:CG1	D:1:NAG:CT	1.227
13	B:112:VAL:CG1	L:1:NAG:CT	1.227

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:510:LYS:N	I:1:NAG:CT	1.212
13	B:510:LYS:N	Q:1:NAG:CT	1.212
13	A:408:LYS:C	G:2:NAG:CT	1.198
13	B:408:LYS:C	O:2:NAG:CT	1.198
13	A:408:LYS:CB	G:2:NAG:CT	1.126
13	B:408:LYS:CB	O:2:NAG:CT	1.125
13	B:112:VAL:HG11	L:1:NAG:CT	1.112
13	A:112:VAL:HG11	D:1:NAG:CT	1.110
13	A:243:ASN:OD1	F:1:NAG:C	1.104
13	A:433:GLN:OE1	G:1:NAG:CT	1.103
13	B:243:ASN:OD1	N:1:NAG:C	1.102
13	B:433:GLN:OE1	O:1:NAG:CT	1.102
13	A:409:ASN:CA	G:2:NAG:N	1.083
13	B:409:ASN:CA	O:2:NAG:N	1.083
13	B:112:VAL:HG11	L:1:NAG:C	1.072
13	A:112:VAL:HG11	D:1:NAG:C	1.068
13	B:433:GLN:CG	O:1:NAG:CT	1.039
13	A:433:GLN:CG	G:1:NAG:CT	1.037
13	A:165:ASN:ND2	E:1:NAG:O6	1.021
13	B:165:ASN:ND2	M:1:NAG:O6	1.021
13	A:114:ASN:HD21	D:1:NAG:C1	0.990
13	B:114:ASN:HD21	L:1:NAG:C1	0.990
13	B:409:ASN:HA	O:2:NAG:N	0.970

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:409:ASN:HA	G:2:NAG:N	0.967
13	B:166:ASN:ND2	M:1:NAG:C1	0.935
13	A:166:ASN:ND2	E:1:NAG:C1	0.934
13	A:112:VAL:HG12	D:1:NAG:O	0.911
13	B:112:VAL:HG12	L:1:NAG:O	0.911
13	B:243:ASN:OD1	N:1:NAG:N	0.909
13	A:243:ASN:OD1	F:1:NAG:N	0.908
13	A:433:GLN:HG2	G:1:NAG:CT	0.889
13	B:114:ASN:OD1	L:1:NAG:C	0.889
13	B:433:GLN:HG2	O:1:NAG:CT	0.887
13	A:114:ASN:OD1	D:1:NAG:C	0.887
13	A:471:ILE:CG2	G:5:MAN:O2	0.865
13	B:471:ILE:CG2	O:5:MAN:O2	0.863
13	A:471:ILE:HG21	G:5:MAN:O2	0.859
13	B:471:ILE:HG21	O:5:MAN:O2	0.857
13	A:501:ASP:OD2	A:502:PHE:HD2	0.837
13	B:501:ASP:OD2	B:502:PHE:HD2	0.835
13	A:408:LYS:CA	G:2:NAG:CT	0.832
13	B:408:LYS:CA	O:2:NAG:CT	0.832
13	A:409:ASN:N	G:2:NAG:N	0.825
13	B:409:ASN:N	O:2:NAG:N	0.825
13	A:112:VAL:HG13	D:1:NAG:CT	0.809
13	B:112:VAL:HG13	L:1:NAG:CT	0.808

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:413:ASN:OD1	G:1:NAG:CT	0.790
13	A:463:ASN:ND2	H:1:NAG:C1	0.782
13	B:463:ASN:ND2	P:1:NAG:C1	0.782
13	B:498:LEU:CD2	P:1:NAG:H4	0.780
13	A:498:LEU:CD2	H:1:NAG:H4	0.779
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	A:405:PRO:HB3	J:7:MAN:O3	0.757
13	B:405:PRO:HB3	R:7:MAN:O3	0.757
13	A:501:ASP:OD2	A:502:PHE:CD2	0.756
13	B:501:ASP:OD2	B:502:PHE:CD2	0.754
13	A:408:LYS:O	G:2:NAG:CT	0.727
13	B:408:LYS:O	O:2:NAG:CT	0.727
13	A:498:LEU:HD21	H:1:NAG:H4	0.714
13	B:498:LEU:HD21	P:1:NAG:H4	0.714
13	A:498:LEU:HB2	A:502:PHE:O	0.691
13	B:498:LEU:HB2	B:502:PHE:O	0.690
13	A:463:ASN:CG	H:1:NAG:C1	0.677
13	B:463:ASN:CG	P:1:NAG:C1	0.677
13	B:499:ASN:N	B:499:ASN:ND2	0.675
13	A:499:ASN:N	A:499:ASN:ND2	0.674

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:499:ASN:H	A:499:ASN:ND2	0.671
13	B:499:ASN:H	B:499:ASN:ND2	0.669
13	B:405:PRO:CB	R:7:MAN:O3	0.654
13	A:405:PRO:CB	J:7:MAN:O3	0.650
13	B:498:LEU:HD23	P:1:NAG:H4	0.623
13	A:498:LEU:HD23	H:1:NAG:H4	0.622
13	A:408:LYS:CG	G:2:NAG:CT	0.618
13	B:408:LYS:CG	O:2:NAG:CT	0.617
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:433:GLN:NE2	O:1:NAG:CT	0.604
13	A:166:ASN:CG	E:1:NAG:C1	0.603
13	B:166:ASN:CG	M:1:NAG:C1	0.603
13	A:433:GLN:NE2	G:1:NAG:CT	0.603
13	A:409:ASN:HD22	A:410:ASN:H	0.592
13	A:447:LEU:HB3	A:448:PRO:HD3	0.591
13	A:243:ASN:OD1	F:1:NAG:CT	0.591
13	B:243:ASN:OD1	N:1:NAG:CT	0.591
13	B:409:ASN:HD22	B:410:ASN:H	0.591
13	B:240:ILE:HD13	N:1:NAG:CT	0.573
13	A:240:ILE:HD13	F:1:NAG:CT	0.572

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:114:ASN:CG	L:1:NAG:C1	0.564
13	A:114:ASN:CG	D:1:NAG:C1	0.562
13	A:391:ASN:HB3	A:393:GLN:HG3	0.560
13	B:391:ASN:HB3	B:393:GLN:HG3	0.560
13	A:409:ASN:N	G:2:NAG:CT	0.557
13	B:409:ASN:N	O:2:NAG:CT	0.557
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	A:109:LEU:H	A:109:LEU:HD12	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:498:LEU:HD21	H:1:NAG:O5	0.521
13	B:498:LEU:HD21	P:1:NAG:O5	0.520
13	A:243:ASN:CG	F:1:NAG:N	0.510
13	B:243:ASN:CG	N:1:NAG:N	0.510
13	A:499:ASN:N	A:499:ASN:HD22	0.499
13	B:499:ASN:N	B:499:ASN:HD22	0.497
13	A:498:LEU:HD21	H:1:NAG:C4	0.490
13	A:114:ASN:OD1	D:1:NAG:N	0.489

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:498:LEU:HD21	P:1:NAG:C4	0.488
13	B:114:ASN:OD1	L:1:NAG:N	0.488
13	B:240:ILE:HG12	N:1:NAG:CT	0.486
13	A:240:ILE:HG12	F:1:NAG:CT	0.485
13	A:491:ARG:CZ	I:2:NAG:H62	0.485
13	B:240:ILE:CG1	N:1:NAG:CT	0.485
13	A:240:ILE:CG1	F:1:NAG:CT	0.484
13	B:491:ARG:CZ	Q:2:NAG:H62	0.484
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:423:ILE:HB	A:424:PRO:HD3	0.477
13	B:165:ASN:ND2	M:1:NAG:HO6	0.466
13	A:498:LEU:HD21	H:1:NAG:C5	0.463
13	B:498:LEU:HD21	P:1:NAG:C5	0.462
13	A:528:PRO:HA	A:529:PRO:HD3	0.457
13	B:528:PRO:HA	B:529:PRO:HD3	0.454
13	A:491:ARG:NH2	I:2:NAG:H62	0.453
13	B:491:ARG:NH2	Q:2:NAG:H62	0.453
13	A:77:ARG:HH21	A:91:PRO:HB2	0.451
13	A:341:ASN:CB	A:342:PRO:HD3	0.441
13	B:341:ASN:CB	B:342:PRO:HD3	0.441
13	B:33:SER:HB3	B:83:ILE:HD12	0.440

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:33:SER:HB3	A:83:ILE:HD12	0.439
13	A:485:SER:HA	A:486:PRO:C	0.435
13	B:485:SER:HA	B:486:PRO:C	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	A:240:ILE:CD1	F:1:NAG:CT	0.419
13	A:240:ILE:HD13	F:1:NAG:C	0.418
13	B:240:ILE:CD1	N:1:NAG:CT	0.418
13	B:240:ILE:HD13	N:1:NAG:C	0.417
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:114:ASN:ND2	D:1:NAG:C2	0.412
13	A:423:ILE:O	A:425:PRO:HD3	0.411
13	B:114:ASN:ND2	L:1:NAG:C2	0.409
13	A:262:ARG:HH12	A:264:SER:HA	0.401
13	B:262:ARG:HH12	B:264:SER:HA	0.401
14	A:408:LYS:NZ	J:6:MAN:O2	1.320
14	B:408:LYS:NZ	R:6:MAN:O2	1.319

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:460:ASN:OD1	P:1:NAG:H5	1.275
14	A:460:ASN:OD1	H:1:NAG:H5	1.272
14	B:469:TYR:CE2	R:3:BMA:O5	1.091
14	A:469:TYR:CE2	J:3:BMA:O5	1.088
14	B:167:GLU:OE2	M:1:NAG:N	1.056
14	B:460:ASN:OD1	P:1:NAG:C5	1.055
14	A:460:ASN:OD1	H:1:NAG:C5	1.054
14	A:167:GLU:OE2	E:1:NAG:N	1.054
14	B:408:LYS:CE	R:6:MAN:O2	1.005
14	A:408:LYS:CE	J:6:MAN:O2	1.004
14	A:467:LEU:HB3	J:2:NAG:H5	0.992
14	B:467:LEU:HB3	R:2:NAG:H5	0.988
14	A:445:GLN:HG2	J:1:NAG:C4	0.940
14	B:445:GLN:HG2	R:1:NAG:C4	0.938
14	A:413:ASN:OD1	G:1:NAG:O5	0.900
14	A:413:ASN:OD1	G:1:NAG:C1	0.887
14	A:166:ASN:OD1	E:1:NAG:C1	0.856
14	B:166:ASN:OD1	M:1:NAG:C1	0.856
14	A:445:GLN:HG2	J:1:NAG:H4	0.851
14	B:445:GLN:HG2	R:1:NAG:H4	0.849
14	B:498:LEU:HD21	P:1:NAG:O6	0.839
14	A:498:LEU:HD21	H:1:NAG:O6	0.837
14	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:469:TYR:CE1	R:2:NAG:O	0.836
14	A:116:SER:HB3	D:1:NAG:CT	0.835
14	A:469:TYR:CE1	J:2:NAG:O	0.835
14	B:501:ASP:OD2	B:502:PHE:HD2	0.835
14	B:116:SER:HB3	L:1:NAG:CT	0.834
14	A:491:ARG:HH21	I:1:NAG:CT	0.826
14	B:491:ARG:HH21	Q:1:NAG:CT	0.825
14	A:498:LEU:CD2	H:1:NAG:O6	0.817
14	B:498:LEU:CD2	P:1:NAG:O6	0.816
14	A:499:ASN:H	A:499:ASN:HD22	0.765
14	B:499:ASN:HD21	B:502:PHE:HB2	0.764
14	A:499:ASN:HD21	A:502:PHE:HB2	0.763
14	B:499:ASN:H	B:499:ASN:HD22	0.762
14	A:501:ASP:OD2	A:502:PHE:CD2	0.756
14	B:501:ASP:OD2	B:502:PHE:CD2	0.754
14	A:167:GLU:OE2	E:1:NAG:CT	0.735
14	B:167:GLU:OE2	M:1:NAG:CT	0.735
14	A:167:GLU:OE2	E:1:NAG:C	0.706
14	B:167:GLU:OE2	M:1:NAG:C	0.706
14	A:469:TYR:CD2	J:3:BMA:C1	0.703
14	B:469:TYR:CD2	R:3:BMA:C1	0.703
14	A:469:TYR:CD2	J:3:BMA:O5	0.699
14	B:469:TYR:CD2	R:3:BMA:O5	0.699

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:467:LEU:HD22	R:2:NAG:O4	0.698
14	A:467:LEU:HD22	J:2:NAG:O4	0.697
14	A:498:LEU:HD21	H:1:NAG:C6	0.694
14	B:488:THR:HB	Q:1:NAG:CT	0.694
14	B:498:LEU:HD21	P:1:NAG:C6	0.693
14	A:488:THR:HB	I:1:NAG:CT	0.692
14	A:498:LEU:HB2	A:502:PHE:O	0.691
14	B:498:LEU:HB2	B:502:PHE:O	0.690
14	B:499:ASN:N	B:499:ASN:ND2	0.675
14	A:499:ASN:N	A:499:ASN:ND2	0.674
14	A:413:ASN:CG	G:1:NAG:C1	0.672
14	A:499:ASN:H	A:499:ASN:ND2	0.671
14	B:499:ASN:H	B:499:ASN:ND2	0.669
14	A:408:LYS:HE2	J:6:MAN:O2	0.652
14	B:408:LYS:HE2	R:6:MAN:O2	0.650
14	A:491:ARG:NH2	I:1:NAG:CT	0.644
14	B:491:ARG:NH2	Q:1:NAG:CT	0.643
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	A:167:GLU:CD	E:1:NAG:CT	0.603
14	B:167:GLU:CD	M:1:NAG:CT	0.603

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:467:LEU:CD2	J:3:BMA:H2	0.593
14	B:467:LEU:CD2	R:3:BMA:H2	0.592
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:408:LYS:CE	J:6:MAN:C2	0.577
14	B:408:LYS:CE	R:6:MAN:C2	0.577
14	A:391:ASN:HB3	A:393:GLN:HG3	0.560
14	B:391:ASN:HB3	B:393:GLN:HG3	0.560
14	A:467:LEU:HB3	J:2:NAG:C5	0.552
14	B:28:ARG:HG2	B:28:ARG:HH11	0.552
14	B:467:LEU:HB3	R:2:NAG:C5	0.552
14	A:28:ARG:HG2	A:28:ARG:HH11	0.551
14	B:488:THR:HG22	B:491:ARG:NH2	0.548
14	A:488:THR:HG22	A:491:ARG:NH2	0.547
14	A:109:LEU:H	A:109:LEU:HD12	0.545
14	B:109:LEU:H	B:109:LEU:HD12	0.545
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	B:460:ASN:OD1	P:1:NAG:C1	0.532
14	A:460:ASN:OD1	H:1:NAG:C1	0.531
14	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:499:ASN:N	B:499:ASN:HD22	0.497
14	A:469:TYR:N	J:2:NAG:H61	0.489
14	B:469:TYR:N	R:2:NAG:H61	0.487
14	A:445:GLN:CG	J:1:NAG:C4	0.481
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:445:GLN:CG	R:1:NAG:C4	0.476
14	A:166:ASN:CG	E:1:NAG:C1	0.472
14	B:166:ASN:CG	M:1:NAG:C1	0.471
14	B:166:ASN:HD21	M:1:NAG:C1	0.467
14	A:166:ASN:HD21	E:1:NAG:C1	0.465
14	A:528:PRO:HA	A:529:PRO:HD3	0.457
14	B:408:LYS:HE2	R:6:MAN:C2	0.456
14	A:408:LYS:HE2	J:6:MAN:C2	0.455
14	B:498:LEU:HD23	P:1:NAG:O6	0.455
14	B:528:PRO:HA	B:529:PRO:HD3	0.454
14	B:498:LEU:HD21	P:1:NAG:H62	0.452
14	A:77:ARG:HH21	A:91:PRO:HB2	0.451
14	A:498:LEU:HD21	H:1:NAG:H62	0.451
14	A:498:LEU:HD23	H:1:NAG:O6	0.451
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	B:467:LEU:HB3	R:2:NAG:C6	0.437
14	A:467:LEU:HB3	J:2:NAG:C6	0.435
14	A:485:SER:HA	A:486:PRO:C	0.435
14	B:485:SER:HA	B:486:PRO:C	0.435
14	A:386:LYS:HD2	A:397:ILE:HD11	0.433
14	B:386:LYS:HD2	B:397:ILE:HD11	0.431
14	A:527:ASN:HA	A:528:PRO:C	0.427
14	B:527:ASN:HA	B:528:PRO:C	0.427
14	A:378:LEU:HD12	A:417:LEU:HG	0.421
14	B:378:LEU:HD12	B:417:LEU:HG	0.421
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	A:423:ILE:O	A:425:PRO:HD3	0.411
14	A:166:ASN:ND2	E:1:NAG:C1	0.404
14	B:166:ASN:ND2	M:1:NAG:C1	0.402
14	A:262:ARG:HH12	A:264:SER:HA	0.401
14	B:262:ARG:HH12	B:264:SER:HA	0.401
15	A:502:PHE:CG	H:1:NAG:CT	1.512
15	B:502:PHE:CG	P:1:NAG:CT	1.511

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:166:ASN:ND2	M:1:NAG:C1	1.299
15	A:166:ASN:ND2	E:1:NAG:C1	1.297
15	A:30:LYS:O	C:1:NAG:O	1.242
15	A:502:PHE:HB3	H:1:NAG:C	1.241
15	B:502:PHE:HB3	P:1:NAG:C	1.239
15	B:30:LYS:O	K:1:NAG:O	1.239
15	A:502:PHE:CB	H:1:NAG:CT	1.208
15	B:502:PHE:CB	P:1:NAG:CT	1.208
15	A:502:PHE:CB	H:1:NAG:C	1.191
15	B:502:PHE:CB	P:1:NAG:C	1.191
15	A:502:PHE:CD2	H:1:NAG:CT	1.107
15	B:502:PHE:CD2	P:1:NAG:CT	1.107
15	A:413:ASN:ND2	G:1:NAG:C1	1.094
15	A:413:ASN:CG	G:1:NAG:C1	1.057
15	A:166:ASN:ND2	E:1:NAG:O5	0.995
15	B:166:ASN:ND2	M:1:NAG:O5	0.994
15	A:166:ASN:CG	E:1:NAG:C1	0.988
15	B:166:ASN:CG	M:1:NAG:C1	0.987
15	A:413:ASN:OD1	G:1:NAG:C1	0.985
15	B:491:ARG:HH12	Q:2:NAG:H61	0.961
15	A:491:ARG:HH12	I:2:NAG:H61	0.960
15	A:460:ASN:CG	H:1:NAG:H62	0.921
15	B:460:ASN:CG	P:1:NAG:H62	0.921

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:413:ASN:HD21	G:1:NAG:C1	0.910
15	A:166:ASN:HD21	E:1:NAG:C1	0.908
15	B:166:ASN:HD21	M:1:NAG:C1	0.903
15	A:502:PHE:CB	H:1:NAG:O	0.892
15	B:502:PHE:CB	P:1:NAG:O	0.890
15	A:460:ASN:OD1	H:1:NAG:H62	0.879
15	B:460:ASN:OD1	P:1:NAG:H62	0.879
15	A:30:LYS:O	C:1:NAG:C	0.867
15	B:30:LYS:O	K:1:NAG:C	0.865
15	A:502:PHE:HB2	H:1:NAG:CT	0.864
15	B:502:PHE:HB2	P:1:NAG:CT	0.863
15	B:445:GLN:OE1	R:1:NAG:CT	0.837
15	A:501:ASP:OD2	A:502:PHE:HD2	0.837
15	A:502:PHE:HB2	H:1:NAG:O	0.836
15	A:445:GLN:OE1	J:1:NAG:CT	0.836
15	A:491:ARG:NH1	I:2:NAG:C6	0.835
15	B:501:ASP:OD2	B:502:PHE:HD2	0.835
15	A:502:PHE:HB2	H:1:NAG:C	0.834
15	B:502:PHE:HB2	P:1:NAG:O	0.834
15	B:491:ARG:NH1	Q:2:NAG:C6	0.834
15	B:502:PHE:HB2	P:1:NAG:C	0.832
15	B:502:PHE:CD1	P:1:NAG:CT	0.831
15	A:502:PHE:CD1	H:1:NAG:CT	0.830

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:491:ARG:NH1	I:2:NAG:H61	0.828
15	B:491:ARG:NH1	Q:2:NAG:H61	0.826
15	A:30:LYS:C	C:1:NAG:O	0.783
15	B:30:LYS:C	K:1:NAG:O	0.782
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	A:463:ASN:CG	H:1:NAG:C1	0.762
15	B:499:ASN:H	B:499:ASN:HD22	0.762
15	B:463:ASN:CG	P:1:NAG:C1	0.761
15	A:501:ASP:OD2	A:502:PHE:CD2	0.756
15	B:501:ASP:OD2	B:502:PHE:CD2	0.754
15	A:460:ASN:OD1	H:1:NAG:C6	0.740
15	B:460:ASN:OD1	P:1:NAG:C6	0.740
15	A:532:ASN:CG	J:1:NAG:C1	0.719
15	B:532:ASN:CG	R:1:NAG:C1	0.719
15	B:502:PHE:HB3	P:1:NAG:O	0.712
15	A:502:PHE:HB3	H:1:NAG:O	0.709
15	A:491:ARG:HH12	I:2:NAG:C6	0.692
15	A:498:LEU:HB2	A:502:PHE:O	0.691
15	B:498:LEU:HB2	B:502:PHE:O	0.690
15	B:491:ARG:HH12	Q:2:NAG:C6	0.690
15	B:463:ASN:OD1	P:1:NAG:C1	0.688

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:463:ASN:OD1	H:1:NAG:C1	0.687
15	A:463:ASN:OD1	H:1:NAG:O5	0.686
15	B:463:ASN:OD1	P:1:NAG:O5	0.686
15	B:532:ASN:ND2	R:1:NAG:C1	0.685
15	A:532:ASN:ND2	J:1:NAG:C1	0.684
15	A:433:GLN:OE1	G:1:NAG:H62	0.675
15	B:433:GLN:OE1	O:1:NAG:H62	0.675
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	A:167:GLU:HG2	E:1:NAG:CT	0.656
15	B:167:GLU:HG2	M:1:NAG:CT	0.655
15	A:445:GLN:NE2	J:1:NAG:N	0.622
15	B:445:GLN:NE2	R:1:NAG:N	0.622
15	B:28:ARG:CG	B:28:ARG:HH11	0.614
15	A:28:ARG:CG	A:28:ARG:HH11	0.612
15	A:498:LEU:HD21	H:1:NAG:C5	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	B:498:LEU:HD21	P:1:NAG:C5	0.606
15	A:409:ASN:HD22	A:410:ASN:H	0.592
15	A:447:LEU:HB3	A:448:PRO:HD3	0.591

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:409:ASN:HD22	B:410:ASN:H	0.591
15	A:413:ASN:OD1	G:1:NAG:O5	0.584
15	A:498:LEU:HG	H:1:NAG:H4	0.575
15	B:498:LEU:HG	P:1:NAG:H4	0.575
15	A:391:ASN:HB3	A:393:GLN:HG3	0.560
15	B:391:ASN:HB3	B:393:GLN:HG3	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	B:109:LEU:H	B:109:LEU:HD12	0.545
15	B:105:ARG:HG2	B:203:LEU:HB3	0.540
15	B:498:LEU:CG	P:1:NAG:H4	0.538
15	A:498:LEU:HD11	H:1:NAG:O6	0.537
15	A:359:THR:HG22	A:393:GLN:HG2	0.536
15	A:498:LEU:CG	H:1:NAG:H4	0.536
15	B:359:THR:HG22	B:393:GLN:HG2	0.536
15	B:498:LEU:HD11	P:1:NAG:O6	0.536
15	A:166:ASN:OD1	E:1:NAG:C1	0.530
15	B:166:ASN:OD1	M:1:NAG:C1	0.530
15	A:433:GLN:CD	G:1:NAG:H62	0.527
15	B:433:GLN:CD	O:1:NAG:H62	0.524

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:30:LYS:CA	C:1:NAG:O	0.509
15	B:30:LYS:CA	K:1:NAG:O	0.509
15	A:499:ASN:N	A:499:ASN:HD22	0.499
15	B:499:ASN:N	B:499:ASN:HD22	0.497
15	B:445:GLN:CD	R:1:NAG:CT	0.487
15	A:445:GLN:CD	J:1:NAG:CT	0.485
15	A:433:GLN:NE2	G:1:NAG:H62	0.484
15	B:433:GLN:NE2	O:1:NAG:H62	0.484
15	B:498:LEU:CD2	P:1:NAG:O	0.482
15	A:498:LEU:CD2	H:1:NAG:O	0.480
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	A:30:LYS:O	C:1:NAG:C2	0.477
15	B:30:LYS:O	K:1:NAG:C2	0.477
15	A:30:LYS:HA	C:1:NAG:O	0.470
15	B:30:LYS:HA	K:1:NAG:O	0.469
15	B:532:ASN:HD21	R:1:NAG:C2	0.465
15	A:532:ASN:HD21	J:1:NAG:C2	0.464
15	B:463:ASN:ND2	P:1:NAG:C1	0.463
15	A:463:ASN:ND2	H:1:NAG:C1	0.462
15	A:528:PRO:HA	A:529:PRO:HD3	0.457

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:528:PRO:HA	B:529:PRO:HD3	0.454
15	A:77:ARG:HH21	A:91:PRO:HB2	0.451
15	A:460:ASN:OD1	H:1:NAG:C5	0.451
15	B:460:ASN:OD1	P:1:NAG:C5	0.450
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	A:485:SER:HA	A:486:PRO:C	0.435
15	B:485:SER:HA	B:486:PRO:C	0.435
15	A:504:GLN:HE21	H:1:NAG:C6	0.434
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:167:GLU:CG	E:1:NAG:CT	0.425
15	B:167:GLU:CG	M:1:NAG:CT	0.424
15	B:532:ASN:ND2	R:1:NAG:C2	0.424
15	A:532:ASN:ND2	J:1:NAG:C2	0.423
15	A:378:LEU:HD12	A:417:LEU:HG	0.421
15	B:378:LEU:HD12	B:417:LEU:HG	0.421
15	A:433:GLN:HE22	G:1:NAG:H62	0.415
15	B:433:GLN:HE22	O:1:NAG:H62	0.415

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:498:LEU:HD22	P:1:NAG:O	0.415
15	B:231:GLU:HA	B:328:THR:O	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:498:LEU:HD22	H:1:NAG:O	0.411
15	A:498:LEU:HB3	H:1:NAG:O	0.405
15	B:498:LEU:HB3	P:1:NAG:O	0.404
15	A:504:GLN:NE2	H:1:NAG:O6	0.404
15	A:262:ARG:HH12	A:264:SER:HA	0.401
15	B:262:ARG:HH12	B:264:SER:HA	0.401
16	A:166:ASN:HD21	E:1:NAG:C1	1.449
16	B:166:ASN:HD21	M:1:NAG:C1	1.448
16	B:530:LYS:CE	R:2:NAG:CT	1.438
16	A:530:LYS:CE	J:2:NAG:CT	1.436
16	B:512:GLU:N	Q:2:NAG:H4	1.419
16	A:512:GLU:N	I:2:NAG:H4	1.418
16	A:413:ASN:OD1	G:1:NAG:C1	1.413
16	A:530:LYS:NZ	J:2:NAG:C	1.407
16	B:530:LYS:NZ	R:2:NAG:C	1.405
16	A:512:GLU:N	I:2:NAG:C4	1.398
16	B:512:GLU:N	Q:2:NAG:C4	1.395
16	A:460:ASN:O	H:1:NAG:CT	1.281

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:460:ASN:O	P:1:NAG:CT	1.279
16	B:166:ASN:ND2	M:1:NAG:C1	1.273
16	A:166:ASN:ND2	E:1:NAG:C1	1.272
16	A:530:LYS:HE3	J:2:NAG:CT	1.260
16	B:530:LYS:HE3	R:2:NAG:CT	1.260
16	A:114:ASN:HD22	D:1:NAG:C1	1.191
16	B:114:ASN:HD22	L:1:NAG:C1	1.190
16	A:512:GLU:N	I:2:NAG:C3	1.185
16	B:512:GLU:N	Q:2:NAG:C3	1.185
16	B:530:LYS:NZ	R:2:NAG:CT	1.173
16	A:530:LYS:NZ	J:2:NAG:CT	1.169
16	A:512:GLU:N	I:2:NAG:C2	1.115
16	B:512:GLU:N	Q:2:NAG:C2	1.114
16	A:413:ASN:OD1	G:1:NAG:O5	1.094
16	A:460:ASN:C	H:1:NAG:CT	1.091
16	B:460:ASN:C	P:1:NAG:CT	1.091
16	B:512:GLU:CA	Q:2:NAG:H4	1.078
16	B:530:LYS:HZ1	R:2:NAG:CT	1.078
16	A:512:GLU:CA	I:2:NAG:H4	1.076
16	A:530:LYS:HZ1	J:2:NAG:CT	1.071
16	A:463:ASN:ND2	H:1:NAG:C1	1.070
16	B:463:ASN:ND2	P:1:NAG:C1	1.070
16	A:114:ASN:ND2	D:1:NAG:C1	1.006

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:114:ASN:ND2	L:1:NAG:C1	1.006
16	B:463:ASN:HD22	P:1:NAG:C1	1.002
16	A:463:ASN:HD22	H:1:NAG:C1	1.001
16	A:463:ASN:ND2	H:1:NAG:N	0.999
16	A:433:GLN:OE1	G:1:NAG:O6	0.999
16	B:433:GLN:OE1	O:1:NAG:O6	0.999
16	B:463:ASN:ND2	P:1:NAG:N	0.998
16	A:530:LYS:CE	J:2:NAG:C	0.931
16	B:530:LYS:CE	R:2:NAG:C	0.926
16	A:530:LYS:HZ3	J:2:NAG:C	0.908
16	B:530:LYS:HZ3	R:2:NAG:C	0.897
16	A:463:ASN:HD22	H:1:NAG:C2	0.894
16	B:463:ASN:HD22	P:1:NAG:C2	0.894
16	B:530:LYS:HZ1	R:2:NAG:C	0.865
16	A:530:LYS:HZ1	J:2:NAG:C	0.862
16	B:530:LYS:HD3	R:1:NAG:C6	0.838
16	A:530:LYS:HD3	J:1:NAG:C6	0.837
16	A:501:ASP:OD2	A:502:PHE:HD2	0.837
16	B:501:ASP:OD2	B:502:PHE:HD2	0.835
16	A:512:GLU:N	I:2:NAG:C5	0.832
16	B:512:GLU:N	Q:2:NAG:C5	0.830
16	A:413:ASN:CG	G:1:NAG:C1	0.828
16	A:530:LYS:HD3	J:1:NAG:H5	0.790

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:530:LYS:HD3	R:1:NAG:H5	0.788
16	B:530:LYS:HE2	R:2:NAG:CT	0.777
16	A:530:LYS:NZ	J:2:NAG:O	0.777
16	B:530:LYS:NZ	R:2:NAG:O	0.777
16	A:530:LYS:HE2	J:2:NAG:CT	0.774
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	B:499:ASN:H	B:499:ASN:HD22	0.762
16	A:530:LYS:HD3	J:1:NAG:C5	0.759
16	B:530:LYS:HD3	R:1:NAG:C5	0.759
16	A:501:ASP:OD2	A:502:PHE:CD2	0.756
16	B:501:ASP:OD2	B:502:PHE:CD2	0.754
16	B:114:ASN:ND2	L:1:NAG:O5	0.713
16	A:114:ASN:ND2	D:1:NAG:O5	0.711
16	B:530:LYS:HE2	R:2:NAG:N	0.695
16	A:530:LYS:HE2	J:2:NAG:N	0.694
16	A:498:LEU:HB2	A:502:PHE:O	0.691
16	B:498:LEU:HB2	B:502:PHE:O	0.690
16	B:463:ASN:ND2	P:1:NAG:C	0.689
16	A:463:ASN:ND2	H:1:NAG:C	0.688
16	A:166:ASN:CG	E:1:NAG:C1	0.685
16	B:499:ASN:N	B:499:ASN:ND2	0.675

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:499:ASN:N	A:499:ASN:ND2	0.674
16	A:530:LYS:HD3	J:1:NAG:H62	0.672
16	B:530:LYS:HD3	R:1:NAG:H62	0.671
16	A:499:ASN:H	A:499:ASN:ND2	0.671
16	B:499:ASN:H	B:499:ASN:ND2	0.669
16	B:166:ASN:CG	M:1:NAG:C1	0.661
16	A:512:GLU:N	I:2:NAG:O5	0.657
16	B:463:ASN:ND2	P:1:NAG:C2	0.656
16	B:512:GLU:N	Q:2:NAG:O5	0.656
16	A:463:ASN:ND2	H:1:NAG:C2	0.654
16	B:166:ASN:HD21	M:1:NAG:C2	0.622
16	A:166:ASN:HD21	E:1:NAG:C2	0.620
16	B:530:LYS:CD	R:1:NAG:C6	0.615
16	A:530:LYS:CD	J:1:NAG:C6	0.614
16	B:28:ARG:CG	B:28:ARG:HH11	0.614
16	A:28:ARG:CG	A:28:ARG:HH11	0.612
16	A:341:ASN:HB3	A:342:PRO:HD3	0.610
16	B:341:ASN:HB3	B:342:PRO:HD3	0.610
16	B:530:LYS:CG	R:1:NAG:H62	0.610
16	B:530:LYS:HB3	R:1:NAG:H62	0.610
16	A:530:LYS:CG	J:1:NAG:H62	0.609
16	A:530:LYS:HB3	J:1:NAG:H62	0.609
16	B:433:GLN:CD	O:1:NAG:O6	0.599

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:433:GLN:CD	G:1:NAG:O6	0.598
16	B:530:LYS:CB	R:1:NAG:H62	0.597
16	A:530:LYS:CB	J:1:NAG:H62	0.596
16	A:409:ASN:HD22	A:410:ASN:H	0.592
16	A:447:LEU:HB3	A:448:PRO:HD3	0.591
16	B:409:ASN:HD22	B:410:ASN:H	0.591
16	A:530:LYS:CD	J:1:NAG:H62	0.585
16	B:530:LYS:CD	R:1:NAG:H62	0.585
16	B:433:GLN:CD	O:1:NAG:HO6	0.576
16	B:530:LYS:CE	R:2:NAG:N	0.561
16	A:391:ASN:HB3	A:393:GLN:HG3	0.560
16	B:391:ASN:HB3	B:393:GLN:HG3	0.560
16	A:511:PHE:CB	I:2:NAG:C6	0.558
16	B:511:PHE:CB	Q:2:NAG:C6	0.558
16	B:28:ARG:HG2	B:28:ARG:HH11	0.552
16	A:28:ARG:HG2	A:28:ARG:HH11	0.551
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:359:THR:HG22	A:393:GLN:HG2	0.536
16	B:359:THR:HG22	B:393:GLN:HG2	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:511:PHE:CB	Q:2:NAG:H62	0.536
16	A:511:PHE:CB	I:2:NAG:H62	0.535
16	B:512:GLU:O	Q:2:NAG:O	0.520
16	A:512:GLU:O	I:2:NAG:O	0.518
16	A:499:ASN:N	A:499:ASN:HD22	0.499
16	B:499:ASN:N	B:499:ASN:HD22	0.497
16	B:511:PHE:CB	Q:2:NAG:H61	0.494
16	A:511:PHE:CB	I:2:NAG:H61	0.493
16	A:461:SER:C	H:1:NAG:CT	0.492
16	A:512:GLU:N	I:2:NAG:C1	0.485
16	B:512:GLU:N	Q:2:NAG:C1	0.484
16	B:28:ARG:CG	B:28:ARG:NH1	0.479
16	B:423:ILE:HB	B:424:PRO:HD3	0.479
16	A:28:ARG:CG	A:28:ARG:NH1	0.478
16	A:463:ASN:HD22	H:1:NAG:C	0.478
16	A:423:ILE:HB	A:424:PRO:HD3	0.477
16	B:463:ASN:HD22	P:1:NAG:C	0.476
16	A:528:PRO:HA	A:529:PRO:HD3	0.457
16	B:528:PRO:HA	B:529:PRO:HD3	0.454
16	A:77:ARG:HH21	A:91:PRO:HB2	0.451
16	A:530:LYS:NZ	J:2:NAG:N	0.443
16	A:341:ASN:CB	A:342:PRO:HD3	0.441
16	B:341:ASN:CB	B:342:PRO:HD3	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:33:SER:HB3	B:83:ILE:HD12	0.440
16	A:33:SER:HB3	A:83:ILE:HD12	0.439
16	B:530:LYS:NZ	R:2:NAG:N	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:386:LYS:HD2	A:397:ILE:HD11	0.433
16	B:240:ILE:HD13	N:1:NAG:O6	0.431
16	B:386:LYS:HD2	B:397:ILE:HD11	0.431
16	A:240:ILE:HD13	F:1:NAG:O6	0.430
16	A:527:ASN:HA	A:528:PRO:C	0.427
16	B:527:ASN:HA	B:528:PRO:C	0.427
16	A:378:LEU:HD12	A:417:LEU:HG	0.421
16	B:378:LEU:HD12	B:417:LEU:HG	0.421
16	A:530:LYS:CE	J:2:NAG:N	0.413
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:262:ARG:HH12	A:264:SER:HA	0.401
16	B:262:ARG:HH12	B:264:SER:HA	0.401
16	A:433:GLN:OE1	G:1:NAG:C6	0.401
16	B:433:GLN:OE1	O:1:NAG:C6	0.401
17	B:342:PRO:HG2	O:2:NAG:C6	1.602

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:342:PRO:HG2	G:2:NAG:C6	1.595
17	A:342:PRO:CG	G:2:NAG:H62	1.568
17	B:342:PRO:CG	O:2:NAG:H62	1.563
17	A:445:GLN:NE2	J:1:NAG:C	1.509
17	B:445:GLN:NE2	R:1:NAG:C	1.509
17	A:240:ILE:CD1	F:1:NAG:C4	1.473
17	B:240:ILE:CD1	N:1:NAG:C4	1.471
17	B:240:ILE:HD13	N:1:NAG:C4	1.456
17	A:433:GLN:CB	G:1:NAG:H61	1.455
17	A:240:ILE:HD13	F:1:NAG:C4	1.454
17	B:433:GLN:HB3	O:1:NAG:C6	1.451
17	B:433:GLN:CB	O:1:NAG:H61	1.448
17	A:433:GLN:HB3	G:1:NAG:C6	1.446
17	A:435:TYR:OH	G:2:NAG:CT	1.439
17	B:435:TYR:OH	O:2:NAG:CT	1.436
17	A:342:PRO:CG	G:2:NAG:C6	1.405
17	B:342:PRO:CG	O:2:NAG:C6	1.403
17	A:240:ILE:HD13	F:1:NAG:C3	1.322
17	B:240:ILE:HD13	N:1:NAG:C3	1.320
17	B:445:GLN:HE21	R:1:NAG:C	1.268
17	A:445:GLN:HE21	J:1:NAG:C	1.267
17	B:240:ILE:HD11	N:1:NAG:O3	1.210
17	A:240:ILE:HD11	F:1:NAG:O3	1.206

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:240:ILE:CD1	F:1:NAG:O4	1.204
17	B:240:ILE:CD1	N:1:NAG:O4	1.201
17	B:240:ILE:CD1	N:1:NAG:H4	1.200
17	A:240:ILE:CD1	F:1:NAG:O3	1.197
17	A:240:ILE:CD1	F:1:NAG:H4	1.196
17	B:240:ILE:CD1	N:1:NAG:O3	1.196
17	B:114:ASN:OD1	L:1:NAG:C	1.194
17	A:114:ASN:OD1	D:1:NAG:C	1.191
17	A:342:PRO:HG2	G:2:NAG:H61	1.097
17	A:433:GLN:HB2	G:1:NAG:H61	1.096
17	B:433:GLN:HB2	O:1:NAG:H61	1.095
17	B:342:PRO:HG2	O:2:NAG:H61	1.089
17	A:240:ILE:HD12	F:1:NAG:O4	1.051
17	B:240:ILE:HD12	N:1:NAG:O4	1.049
17	A:166:ASN:ND2	E:1:NAG:C1	1.035
17	B:166:ASN:ND2	M:1:NAG:C1	1.035
17	A:461:SER:O	H:1:NAG:CT	1.033
17	A:342:PRO:HG2	G:2:NAG:C5	0.996
17	B:342:PRO:HG2	O:2:NAG:C5	0.995
17	B:433:GLN:CB	O:1:NAG:C6	0.994
17	A:433:GLN:CB	G:1:NAG:C6	0.992
17	A:240:ILE:CD1	F:1:NAG:C3	0.976
17	A:166:ASN:HD21	E:1:NAG:C1	0.953

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:445:GLN:NE2	R:1:NAG:N	0.952
17	A:445:GLN:NE2	J:1:NAG:N	0.951
17	B:166:ASN:HD21	M:1:NAG:C1	0.949
17	A:512:GLU:OE2	I:3:BMA:O2	0.943
17	B:512:GLU:OE2	Q:3:BMA:O2	0.943
17	A:435:TYR:CZ	G:2:NAG:CT	0.932
17	B:435:TYR:CZ	O:2:NAG:CT	0.932
17	B:114:ASN:OD1	L:1:NAG:CT	0.905
17	A:114:ASN:OD1	D:1:NAG:CT	0.904
17	A:461:SER:C	H:1:NAG:CT	0.882
17	A:511:PHE:CB	I:1:NAG:O6	0.876
17	B:511:PHE:CB	Q:1:NAG:O6	0.874
17	A:445:GLN:NE2	J:1:NAG:CT	0.868
17	B:445:GLN:NE2	R:1:NAG:CT	0.868
17	A:445:GLN:CD	J:1:NAG:CT	0.858
17	B:445:GLN:CD	R:1:NAG:CT	0.858
17	B:240:ILE:CD1	N:1:NAG:C3	0.856
17	B:433:GLN:HB3	O:1:NAG:O6	0.850
17	A:433:GLN:HB3	G:1:NAG:O6	0.848
17	A:433:GLN:HB3	G:1:NAG:H61	0.848
17	B:433:GLN:HB3	O:1:NAG:H61	0.847
17	B:342:PRO:HG3	O:2:NAG:H62	0.838
17	A:342:PRO:HG3	G:2:NAG:H62	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:501:ASP:OD2	A:502:PHE:HD2	0.837
17	A:512:GLU:OE2	I:3:BMA:C2	0.835
17	B:512:GLU:OE2	Q:3:BMA:C2	0.835
17	B:501:ASP:OD2	B:502:PHE:HD2	0.835
17	A:240:ILE:HG21	F:1:NAG:H4	0.834
17	B:240:ILE:HG21	N:1:NAG:H4	0.832
17	B:460:ASN:OD1	P:1:NAG:H3	0.832
17	A:460:ASN:OD1	H:1:NAG:H3	0.831
17	A:240:ILE:CD1	F:2:NAG:C1	0.827
17	B:240:ILE:CD1	N:2:NAG:C1	0.826
17	A:460:ASN:O	H:1:NAG:CT	0.824
17	B:460:ASN:O	P:1:NAG:CT	0.823
17	A:240:ILE:HD13	F:1:NAG:O4	0.822
17	B:240:ILE:HD13	N:1:NAG:O4	0.821
17	A:240:ILE:HD11	F:1:NAG:HO3	0.805
17	B:240:ILE:HD11	N:1:NAG:HO3	0.803
17	B:240:ILE:HD13	N:1:NAG:H4	0.803
17	A:240:ILE:HD13	F:1:NAG:H4	0.802
17	A:342:PRO:HG3	G:2:NAG:C6	0.798
17	B:342:PRO:HG3	O:2:NAG:C6	0.790
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	B:512:GLU:OE2	Q:3:BMA:H2	0.734
17	A:512:GLU:OE2	I:3:BMA:H2	0.733
17	A:240:ILE:HD12	F:2:NAG:C1	0.726
17	B:240:ILE:HD12	N:2:NAG:C1	0.726
17	A:445:GLN:CG	J:1:NAG:CT	0.713
17	B:445:GLN:CG	R:1:NAG:CT	0.713
17	A:445:GLN:CD	J:1:NAG:C	0.694
17	B:445:GLN:CD	R:1:NAG:C	0.694
17	A:498:LEU:HB2	A:502:PHE:O	0.691
17	A:342:PRO:CB	G:2:NAG:H62	0.691
17	B:342:PRO:CB	O:2:NAG:H62	0.691
17	B:498:LEU:HB2	B:502:PHE:O	0.690
17	B:240:ILE:CG1	N:1:NAG:H4	0.684
17	A:240:ILE:CG1	F:1:NAG:H4	0.682
17	B:499:ASN:N	B:499:ASN:ND2	0.675
17	A:499:ASN:N	A:499:ASN:ND2	0.674
17	A:499:ASN:H	A:499:ASN:ND2	0.671
17	B:499:ASN:H	B:499:ASN:ND2	0.669
17	A:342:PRO:CG	G:2:NAG:H61	0.667
17	B:342:PRO:CG	O:2:NAG:H61	0.664

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:342:PRO:HG2	O:2:NAG:H5	0.662
17	A:342:PRO:HG2	G:2:NAG:H5	0.661
17	A:461:SER:CA	H:1:NAG:CT	0.659
17	B:28:ARG:CG	B:28:ARG:HH11	0.614
17	A:28:ARG:CG	A:28:ARG:HH11	0.612
17	A:341:ASN:HB3	A:342:PRO:HD3	0.610
17	A:445:GLN:HG3	J:1:NAG:CT	0.610
17	B:341:ASN:HB3	B:342:PRO:HD3	0.610
17	B:445:GLN:HG3	R:1:NAG:CT	0.610
17	B:240:ILE:HD12	N:2:NAG:N	0.608
17	A:240:ILE:HD12	F:2:NAG:N	0.606
17	A:461:SER:HA	H:1:NAG:CT	0.602
17	A:240:ILE:CG2	F:1:NAG:H4	0.598
17	B:240:ILE:CG2	N:1:NAG:H4	0.598
17	A:409:ASN:HD22	A:410:ASN:H	0.592
17	A:447:LEU:HB3	A:448:PRO:HD3	0.591
17	B:409:ASN:HD22	B:410:ASN:H	0.591
17	B:342:PRO:CG	O:2:NAG:C5	0.575
17	A:342:PRO:CG	G:2:NAG:C5	0.574
17	A:391:ASN:HB3	A:393:GLN:HG3	0.560
17	B:391:ASN:HB3	B:393:GLN:HG3	0.560
17	B:28:ARG:HG2	B:28:ARG:HH11	0.552
17	A:28:ARG:HG2	A:28:ARG:HH11	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	A:499:ASN:N	A:499:ASN:HD22	0.499
17	B:499:ASN:N	B:499:ASN:HD22	0.497
17	A:532:ASN:CG	J:1:NAG:C1	0.483
17	B:532:ASN:CG	R:1:NAG:C1	0.482
17	B:28:ARG:CG	B:28:ARG:NH1	0.479
17	B:423:ILE:HB	B:424:PRO:HD3	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:240:ILE:HG21	F:1:NAG:C4	0.468
17	B:240:ILE:HG21	N:1:NAG:C4	0.465
17	A:166:ASN:HD21	E:1:NAG:C2	0.464
17	B:166:ASN:HD21	M:1:NAG:C2	0.462
17	A:528:PRO:HA	A:529:PRO:HD3	0.457
17	B:528:PRO:HA	B:529:PRO:HD3	0.454
17	B:240:ILE:CB	N:1:NAG:H4	0.454
17	A:240:ILE:CB	F:1:NAG:H4	0.453

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:77:ARG:HH21	A:91:PRO:HB2	0.451
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	A:33:SER:HB3	A:83:ILE:HD12	0.439
17	A:485:SER:HA	A:486:PRO:C	0.435
17	B:485:SER:HA	B:486:PRO:C	0.435
17	A:243:ASN:ND2	F:1:NAG:O5	0.435
17	B:243:ASN:ND2	N:1:NAG:O5	0.434
17	A:386:LYS:HD2	A:397:ILE:HD11	0.433
17	B:386:LYS:HD2	B:397:ILE:HD11	0.431
17	A:527:ASN:HA	A:528:PRO:C	0.427
17	B:527:ASN:HA	B:528:PRO:C	0.427
17	B:166:ASN:CG	M:1:NAG:C1	0.426
17	A:166:ASN:CG	E:1:NAG:C1	0.424
17	A:166:ASN:ND2	E:1:NAG:N	0.423
17	B:166:ASN:ND2	M:1:NAG:N	0.423
17	A:378:LEU:HD12	A:417:LEU:HG	0.421
17	B:378:LEU:HD12	B:417:LEU:HG	0.421
17	B:166:ASN:ND2	M:1:NAG:C2	0.417
17	A:166:ASN:ND2	E:1:NAG:C2	0.414
17	B:231:GLU:HA	B:328:THR:O	0.413
17	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:423:ILE:O	B:425:PRO:HD3	0.412
17	A:423:ILE:O	A:425:PRO:HD3	0.411
17	A:262:ARG:HH12	A:264:SER:HA	0.401
17	B:262:ARG:HH12	B:264:SER:HA	0.401
18	B:445:GLN:HE22	R:1:NAG:C1	1.409
18	A:445:GLN:HE22	J:1:NAG:C1	1.407
18	A:114:ASN:ND2	D:1:NAG:C1	1.338
18	B:114:ASN:ND2	L:1:NAG:C1	1.337
18	A:409:ASN:OD1	G:2:NAG:C	1.335
18	B:409:ASN:OD1	O:2:NAG:C	1.335
18	A:445:GLN:NE2	J:1:NAG:C1	1.287
18	B:445:GLN:NE2	R:1:NAG:C1	1.287
18	A:409:ASN:OD1	G:2:NAG:O	1.250
18	B:409:ASN:OD1	O:2:NAG:O	1.249
18	B:409:ASN:CB	O:1:NAG:H61	1.234
18	A:409:ASN:CB	G:1:NAG:H61	1.233
18	B:445:GLN:HE22	R:1:NAG:C2	1.178
18	B:445:GLN:CD	R:1:NAG:N	1.176
18	A:445:GLN:HE22	J:1:NAG:C2	1.176
18	A:445:GLN:CD	J:1:NAG:N	1.175
18	B:445:GLN:NE2	R:1:NAG:N	1.129
18	A:445:GLN:NE2	J:1:NAG:N	1.128
18	B:445:GLN:OE1	R:1:NAG:N	1.103

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:445:GLN:OE1	J:1:NAG:N	1.101
18	A:409:ASN:HB2	G:1:NAG:H61	1.099
18	B:409:ASN:HB2	O:1:NAG:H61	1.093
18	A:532:ASN:ND2	J:1:NAG:C1	1.057
18	B:532:ASN:ND2	R:1:NAG:C1	1.057
18	B:445:GLN:NE2	R:1:NAG:C2	1.041
18	A:445:GLN:NE2	J:1:NAG:C2	1.039
18	A:114:ASN:HD21	D:1:NAG:C2	1.025
18	B:114:ASN:HD21	L:1:NAG:C2	1.024
18	A:114:ASN:CG	D:1:NAG:C1	1.011
18	B:114:ASN:CG	L:1:NAG:C1	1.011
18	B:409:ASN:CB	O:1:NAG:C6	1.009
18	A:409:ASN:CB	G:1:NAG:C6	1.008
18	A:445:GLN:OE1	J:1:NAG:CT	0.937
18	B:445:GLN:OE1	R:1:NAG:CT	0.936
18	A:409:ASN:H	G:1:NAG:C6	0.930
18	B:409:ASN:H	O:1:NAG:C6	0.930
18	A:409:ASN:H	G:1:NAG:H61	0.925
18	B:409:ASN:H	O:1:NAG:H61	0.923
18	A:409:ASN:N	G:1:NAG:H61	0.900
18	B:409:ASN:N	O:1:NAG:H61	0.899
18	A:114:ASN:HD21	D:1:NAG:C1	0.895
18	B:114:ASN:HD21	L:1:NAG:C1	0.891

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:445:GLN:OE1	J:1:NAG:C	0.888
18	B:409:ASN:HB2	O:1:NAG:C6	0.887
18	B:445:GLN:OE1	R:1:NAG:C	0.887
18	A:409:ASN:HB2	G:1:NAG:C6	0.885
18	A:409:ASN:HB3	G:1:NAG:O6	0.879
18	B:409:ASN:HB3	O:1:NAG:O6	0.878
18	A:112:VAL:O	D:1:NAG:H62	0.873
18	B:112:VAL:O	L:1:NAG:H62	0.873
18	A:517:GLU:HG2	I:2:NAG:H61	0.856
18	B:517:GLU:HG2	Q:2:NAG:H61	0.856
18	B:409:ASN:CA	O:1:NAG:H61	0.853
18	A:409:ASN:CA	G:1:NAG:H61	0.852
18	A:501:ASP:OD2	A:502:PHE:HD2	0.837
18	B:501:ASP:OD2	B:502:PHE:HD2	0.835
18	B:502:PHE:CD2	P:1:NAG:O4	0.834
18	A:502:PHE:CD2	H:1:NAG:O4	0.833
18	B:112:VAL:O	L:1:NAG:C6	0.803
18	A:112:VAL:O	D:1:NAG:C6	0.802
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:501:ASP:OD2	B:502:PHE:CD2	0.754
18	A:498:LEU:HB2	A:502:PHE:O	0.691
18	B:498:LEU:HB2	B:502:PHE:O	0.690
18	B:499:ASN:N	B:499:ASN:ND2	0.675
18	A:499:ASN:N	A:499:ASN:ND2	0.674
18	A:499:ASN:H	A:499:ASN:ND2	0.671
18	B:499:ASN:H	B:499:ASN:ND2	0.669
18	A:409:ASN:H	G:1:NAG:H62	0.668
18	B:409:ASN:H	O:1:NAG:H62	0.666
18	A:532:ASN:HD21	J:1:NAG:C1	0.665
18	B:532:ASN:HD21	R:1:NAG:C1	0.665
18	A:445:GLN:HE21	J:1:NAG:C1	0.664
18	B:445:GLN:HE21	R:1:NAG:C1	0.664
18	B:114:ASN:ND2	L:1:NAG:N	0.661
18	A:114:ASN:ND2	D:1:NAG:N	0.660
18	A:517:GLU:HG2	I:2:NAG:C6	0.644
18	B:517:GLU:HG2	Q:2:NAG:C6	0.644
18	B:409:ASN:N	O:1:NAG:C6	0.642
18	A:409:ASN:HB3	G:1:NAG:C6	0.639
18	A:409:ASN:N	G:1:NAG:C6	0.638
18	B:409:ASN:HB3	O:1:NAG:C6	0.637
18	A:537:ARG:HD2	I:7:MAN:O4	0.618
18	B:537:ARG:HD2	Q:7:MAN:O4	0.616

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:28:ARG:CG	B:28:ARG:HH11	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
18	B:517:GLU:CG	Q:2:NAG:C6	0.601
18	A:517:GLU:CG	I:2:NAG:C6	0.600
18	A:517:GLU:CG	I:2:NAG:H61	0.596
18	A:499:ASN:OD1	H:2:NAG:C2	0.595
18	B:499:ASN:OD1	P:2:NAG:C2	0.594
18	B:517:GLU:CG	Q:2:NAG:H61	0.593
18	A:517:GLU:HB3	I:7:MAN:C6	0.593
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:517:GLU:HB3	Q:7:MAN:C6	0.589
18	A:488:THR:C	I:1:NAG:N	0.588
18	B:488:THR:C	Q:1:NAG:N	0.588
18	B:502:PHE:CG	P:1:NAG:O4	0.581
18	A:502:PHE:CG	H:1:NAG:O4	0.580
18	A:502:PHE:CE2	H:2:NAG:N	0.575
18	B:502:PHE:CE2	P:2:NAG:N	0.575
18	A:409:ASN:OD1	G:2:NAG:N	0.575
18	B:409:ASN:OD1	O:2:NAG:N	0.572

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:112:VAL:HG11	D:1:NAG:H4	0.571
18	B:112:VAL:HG11	L:1:NAG:H4	0.569
18	A:114:ASN:ND2	D:1:NAG:C2	0.561
18	A:391:ASN:HB3	A:393:GLN:HG3	0.560
18	B:391:ASN:HB3	B:393:GLN:HG3	0.560
18	B:114:ASN:ND2	L:1:NAG:C2	0.559
18	B:28:ARG:HG2	B:28:ARG:HH11	0.552
18	A:28:ARG:HG2	A:28:ARG:HH11	0.551
18	B:502:PHE:CD2	P:2:NAG:N	0.549
18	B:488:THR:HG22	B:491:ARG:NH2	0.548
18	A:488:THR:HG22	A:491:ARG:NH2	0.547
18	A:502:PHE:CD2	H:2:NAG:N	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:105:ARG:HG2	B:203:LEU:HB3	0.540
18	A:359:THR:HG22	A:393:GLN:HG2	0.536
18	B:359:THR:HG22	B:393:GLN:HG2	0.536
18	A:112:VAL:O	D:1:NAG:O6	0.535
18	B:112:VAL:O	L:1:NAG:O6	0.534
18	A:409:ASN:HB2	G:1:NAG:O4	0.532
18	B:409:ASN:HB2	O:1:NAG:O4	0.531
18	B:114:ASN:OD1	L:1:NAG:C1	0.530
18	A:114:ASN:OD1	D:1:NAG:C1	0.529

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:409:ASN:CA	G:1:NAG:C6	0.521
18	B:409:ASN:CA	O:1:NAG:C6	0.517
18	B:532:ASN:CG	R:1:NAG:C1	0.512
18	A:532:ASN:CG	J:1:NAG:C1	0.511
18	A:499:ASN:N	A:499:ASN:HD22	0.499
18	B:499:ASN:N	B:499:ASN:HD22	0.497
18	B:517:GLU:H	Q:2:NAG:H61	0.495
18	A:517:GLU:H	I:2:NAG:H61	0.493
18	A:517:GLU:HG3	I:2:NAG:C6	0.491
18	B:517:GLU:HG3	Q:2:NAG:C6	0.490
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:532:ASN:HD21	J:1:NAG:C2	0.478
18	A:423:ILE:HB	A:424:PRO:HD3	0.477
18	B:532:ASN:HD21	R:1:NAG:C2	0.477
18	A:528:PRO:HA	A:529:PRO:HD3	0.457
18	B:528:PRO:HA	B:529:PRO:HD3	0.454
18	A:77:ARG:HH21	A:91:PRO:HB2	0.451
18	B:537:ARG:CD	Q:7:MAN:O4	0.451
18	A:537:ARG:CD	I:7:MAN:O4	0.450
18	B:409:ASN:CB	O:1:NAG:O6	0.445
18	A:502:PHE:CD2	H:2:NAG:C	0.443

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:502:PHE:CD2	P:2:NAG:C	0.443
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	A:409:ASN:CB	G:1:NAG:O6	0.439
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	A:499:ASN:OD1	H:2:NAG:O5	0.432
18	B:499:ASN:OD1	P:2:NAG:O5	0.432
18	B:386:LYS:HD2	B:397:ILE:HD11	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	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:413:ASN:ND2	G:1:NAG:C1	0.409
18	A:262:ARG:HH12	A:264:SER:HA	0.401
18	B:262:ARG:HH12	B:264:SER:HA	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:502:PHE:CG	H:1:NAG:CT	1.528
19	B:502:PHE:CG	P:1:NAG:CT	1.527
19	B:502:PHE:CD1	P:1:NAG:CT	1.522
19	A:502:PHE:CD1	H:1:NAG:CT	1.520
19	A:445:GLN:HE22	J:1:NAG:C1	1.466
19	B:445:GLN:HE22	R:1:NAG:C1	1.465
19	A:463:ASN:ND2	H:1:NAG:O5	1.295
19	B:463:ASN:ND2	P:1:NAG:O5	1.292
19	A:445:GLN:NE2	J:1:NAG:C1	1.284
19	B:445:GLN:NE2	R:1:NAG:C1	1.281
19	B:535:ILE:HG21	Q:3:BMA:O2	1.218
19	A:535:ILE:HG21	I:3:BMA:O2	1.217
19	A:532:ASN:ND2	J:1:NAG:C1	1.140
19	B:532:ASN:ND2	R:1:NAG:C1	1.140
19	A:535:ILE:HG21	I:3:BMA:C2	1.126
19	B:535:ILE:HG21	Q:3:BMA:C2	1.125
19	A:535:ILE:CG2	I:3:BMA:O2	1.123
19	B:535:ILE:CG2	Q:3:BMA:O2	1.122
19	A:537:ARG:HD2	I:5:MAN:C6	1.071
19	B:537:ARG:HD2	Q:5:MAN:C6	1.069
19	B:537:ARG:HD2	Q:5:MAN:H61	1.062
19	A:537:ARG:HD2	I:5:MAN:H61	1.060
19	A:463:ASN:ND2	H:1:NAG:C1	1.024

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:463:ASN:ND2	P:1:NAG:C1	1.023
19	A:114:ASN:ND2	D:1:NAG:O5	0.996
19	B:114:ASN:ND2	L:1:NAG:O5	0.995
19	A:502:PHE:CD2	H:1:NAG:CT	0.984
19	B:502:PHE:CD2	P:1:NAG:CT	0.983
19	B:445:GLN:CD	R:1:NAG:C1	0.981
19	A:445:GLN:CD	J:1:NAG:C1	0.979
19	B:502:PHE:CE1	P:1:NAG:CT	0.933
19	A:502:PHE:CE1	H:1:NAG:CT	0.932
19	A:535:ILE:N	I:7:MAN:O4	0.917
19	B:535:ILE:N	Q:7:MAN:O4	0.915
19	B:537:ARG:HD2	Q:5:MAN:O6	0.898
19	A:537:ARG:HD2	I:5:MAN:O6	0.897
19	A:463:ASN:CG	H:1:NAG:C1	0.894
19	B:463:ASN:CG	P:1:NAG:C1	0.894
19	B:445:GLN:OE1	R:1:NAG:C1	0.872
19	A:445:GLN:OE1	J:1:NAG:C1	0.871
19	B:532:ASN:HD21	R:1:NAG:C1	0.871
19	A:532:ASN:HD21	J:1:NAG:C1	0.868
19	A:532:ASN:HD22	J:1:NAG:C1	0.864
19	I:7:MAN:O2	J:2:NAG:O5	0.862
19	B:532:ASN:HD22	R:1:NAG:C1	0.860
19	Q:7:MAN:O2	R:2:NAG:O5	0.859

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:463:ASN:CG	H:1:NAG:O5	0.845
19	B:463:ASN:CG	P:1:NAG:O5	0.845
19	A:501:ASP:OD2	A:502:PHE:HD2	0.837
19	B:501:ASP:OD2	B:502:PHE:HD2	0.835
19	B:114:ASN:ND2	L:1:NAG:C1	0.825
19	A:114:ASN:ND2	D:1:NAG:C1	0.824
19	A:537:ARG:HH12	I:3:BMA:H4	0.819
19	B:537:ARG:HH12	Q:3:BMA:H4	0.819
19	B:243:ASN:HD22	N:1:NAG:C1	0.818
19	A:243:ASN:HD22	F:1:NAG:C1	0.817
19	A:535:ILE:HG13	I:7:MAN:O4	0.813
19	B:535:ILE:HG13	Q:7:MAN:O4	0.807
19	B:533:ILE:O	Q:7:MAN:O4	0.781
19	A:533:ILE:O	I:7:MAN:O4	0.780
19	A:243:ASN:ND2	F:1:NAG:C1	0.777
19	B:243:ASN:ND2	N:1:NAG:C1	0.777
19	A:114:ASN:HD22	D:1:NAG:C1	0.769
19	B:114:ASN:HD22	L: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:501:ASP:OD2	A:502:PHE:CD2	0.756

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:501:ASP:OD2	B:502:PHE:CD2	0.754
19	B:535:ILE:HG21	Q:3:BMA:H2	0.732
19	A:535:ILE:HG21	I:3:BMA:H2	0.731
19	B:535:ILE:HG21	Q:3:BMA:HO2	0.724
19	A:537:ARG:CD	I:5:MAN:H61	0.724
19	A:502:PHE:CB	H:1:NAG:CT	0.723
19	B:537:ARG:CD	Q:5:MAN:H61	0.723
19	B:502:PHE:CB	P:1:NAG:CT	0.722
19	A:498:LEU:HB2	A:502:PHE:O	0.691
19	B:498:LEU:HB2	B:502:PHE:O	0.690
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	A:535:ILE:HG21	I:3:BMA:HO2	0.670
19	B:499:ASN:H	B:499:ASN:ND2	0.669
19	B:535:ILE:CG2	Q:3:BMA:C2	0.647
19	A:535:ILE:CG2	I:3:BMA:C2	0.643
19	A:532:ASN:ND2	J:1:NAG:C2	0.634
19	B:532:ASN:ND2	R:1:NAG:C2	0.633
19	B:28:ARG:CG	B:28:ARG:HH11	0.614
19	A:28:ARG:CG	A:28:ARG:HH11	0.612
19	A:445:GLN:OE1	J:1:NAG:N	0.612
19	B:445:GLN:OE1	R:1:NAG:N	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	A:409:ASN:HD22	A:410:ASN:H	0.592
19	A:533:ILE:C	I:7:MAN:HO4	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:533:ILE:C	Q:7:MAN:HO4	0.587
19	B:166:ASN:ND2	M:1:NAG:C1	0.585
19	A:166:ASN:ND2	E:1:NAG:C1	0.584
19	B:535:ILE:CG2	Q:3:BMA:H2	0.578
19	A:463:ASN:HD21	H:1:NAG:C5	0.578
19	B:463:ASN:HD21	P:1:NAG:C5	0.577
19	A:535:ILE:CG2	I:3:BMA:H2	0.576
19	A:459:PRO:HB3	H:5:MAN:O4	0.574
19	B:459:PRO:HB3	P:5:MAN:O4	0.574
19	A:391:ASN:HB3	A:393:GLN:HG3	0.560
19	B:391:ASN:HB3	B:393:GLN:HG3	0.560
19	B:517:GLU:OE1	Q:2:NAG:O3	0.559
19	B:502:PHE:HB3	P:1:NAG:O	0.557
19	A:502:PHE:HB3	H:1:NAG:O	0.556
19	A:517:GLU:OE1	I:2:NAG:O3	0.555
19	B:28:ARG:HG2	B:28:ARG:HH11	0.552
19	A:28:ARG:HG2	A:28:ARG:HH11	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:488:THR:HG22	B:491:ARG:NH2	0.548
19	A:488:THR:HG22	A:491:ARG:NH2	0.547
19	A:109:LEU:H	A:109:LEU:HD12	0.545
19	B:109:LEU:H	B:109:LEU:HD12	0.545
19	A:502:PHE:HB3	H:1:NAG:C	0.541
19	B:502:PHE:HB3	P:1:NAG:C	0.541
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:502:PHE:CB	H:1:NAG:O	0.524
19	B:502:PHE:CB	P:1:NAG:O	0.523
19	B:535:ILE:CG1	Q:7:MAN:H3	0.519
19	A:535:ILE:CG1	I:7:MAN:H3	0.518
19	B:502:PHE:CB	P:1:NAG:C	0.515
19	A:502:PHE:CB	H:1:NAG:C	0.514
19	A:499:ASN:N	A:499:ASN:HD22	0.499
19	B:499:ASN:N	B:499:ASN:HD22	0.497
19	F:3:BMA:H61	F:4:MAN:H5	0.491
19	N:3:BMA:H61	N:4:MAN:H5	0.490
19	B:502:PHE:CE2	P:1:NAG:CT	0.483
19	A:502:PHE:CE2	H:1:NAG:CT	0.481
19	B:28:ARG:CG	B:28:ARG:NH1	0.479
19	B:423:ILE:HB	B:424:PRO:HD3	0.479

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:28:ARG:CG	A:28:ARG:NH1	0.478
19	A:423:ILE:HB	A:424:PRO:HD3	0.477
19	B:502:PHE:CZ	P:1:NAG:CT	0.471
19	A:502:PHE:CZ	H:1:NAG:CT	0.470
19	B:502:PHE:CG	P:1:NAG:C	0.469
19	A:502:PHE:CG	H:1:NAG:C	0.465
19	B:537:ARG:CD	Q:5:MAN:O6	0.464
19	A:537:ARG:CD	I:5:MAN:O6	0.460
19	A:528:PRO:HA	A:529:PRO:HD3	0.457
19	B:528:PRO:HA	B:529:PRO:HD3	0.454
19	A:77:ARG:HH21	A:91:PRO:HB2	0.451
19	B:537:ARG:NH1	Q:3:BMA:O2	0.450
19	A:537:ARG:NH1	I:3:BMA:O2	0.449
19	A:532:ASN:HD21	J:1:NAG:C2	0.446
19	B:532:ASN:HD21	R:1:NAG:C2	0.446
19	A:341:ASN:CB	A:342:PRO:HD3	0.441
19	B:341:ASN:CB	B:342:PRO:HD3	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	B:533:ILE:O	Q:7:MAN:C4	0.438
19	A:533:ILE:O	I:7:MAN:C4	0.437
19	A:485:SER:HA	A:486:PRO:C	0.435
19	B:485:SER:HA	B:486:PRO:C	0.435

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:445:GLN:OE1	J:1:NAG:C2	0.435
19	A:386:LYS:HD2	A:397:ILE:HD11	0.433
19	B:445:GLN:OE1	R:1:NAG:C2	0.433
19	B:386:LYS:HD2	B:397:ILE:HD11	0.431
19	A:498:LEU:CD2	H:1:NAG:C2	0.429
19	B:498:LEU:CD2	P:1:NAG:C2	0.429
19	A:527:ASN:HA	A:528:PRO:C	0.427
19	B:527:ASN:HA	B:528:PRO:C	0.427
19	A:378:LEU:HD12	A:417:LEU:HG	0.421
19	B:378:LEU:HD12	B:417:LEU:HG	0.421
19	B:231:GLU:HA	B:328:THR:O	0.413
19	A:166:ASN:HD22	E:1:NAG:C1	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	A:535:ILE:CG1	I:3:BMA:H2	0.410
19	A:463:ASN:HD21	H:1:NAG:C6	0.407
19	B:535:ILE:CG1	Q:3:BMA:H2	0.406
19	B:463:ASN:HD21	P:1:NAG:C6	0.406
19	A:262:ARG:HH12	A:264:SER:HA	0.401
19	A:498:LEU:HD21	H:1:NAG:H4	0.401
19	B:498:LEU:HD21	P:1:NAG:H4	0.401
19	B:166:ASN:HD22	M:1:NAG:C1	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:262:ARG:HH12	B:264:SER:HA	0.401
20	A:243:ASN:HD21	F:1:NAG:C1	1.552
20	B:243:ASN:HD21	N:1:NAG:C1	1.545
20	A:148:ARG:CB	E:1:NAG:C3	1.496
20	B:148:ARG:CB	M:1:NAG:C3	1.495
20	B:243:ASN:ND2	N:1:NAG:C1	1.423
20	A:243:ASN:ND2	F:1:NAG:C1	1.417
20	B:148:ARG:CB	M:1:NAG:H3	1.393
20	A:148:ARG:CB	E:1:NAG:H3	1.392
20	A:148:ARG:HA	E:1:NAG:N	1.388
20	B:148:ARG:HA	M:1:NAG:N	1.384
20	A:148:ARG:CA	E:1:NAG:N	1.271
20	B:148:ARG:CA	M:1:NAG:N	1.270
20	A:148:ARG:CA	E:1:NAG:H3	1.268
20	B:148:ARG:CA	M:1:NAG:H3	1.268
20	B:148:ARG:HB2	M:1:NAG:C3	1.215
20	A:148:ARG:HB2	E:1:NAG:C3	1.209
20	A:148:ARG:HA	E:1:NAG:C3	1.167
20	B:148:ARG:HA	M:1:NAG:C3	1.166
20	B:148:ARG:CA	M:1:NAG:C3	1.160
20	A:148:ARG:CA	E:1:NAG:C3	1.158
20	B:148:ARG:HA	M:1:NAG:C2	1.125
20	A:148:ARG:HA	E:1:NAG:C2	1.124

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:148:ARG:HB3	E:1:NAG:H3	1.121
20	B:148:ARG:HB3	M:1:NAG:H3	1.120
20	A:148:ARG:N	E:1:NAG:N	1.038
20	B:148:ARG:N	M:1:NAG:N	1.037
20	A:30:LYS:O	C:1:NAG:O5	0.995
20	B:30:LYS:O	K:1:NAG:O5	0.994
20	A:159:PRO:HB3	E:7:MAN:O4	0.963
20	B:159:PRO:HB3	M:7:MAN:O4	0.961
20	A:148:ARG:CA	E:1:NAG:C2	0.920
20	B:148:ARG:CA	M:1:NAG:C2	0.920
20	B:148:ARG:HB3	M:1:NAG:C3	0.915
20	A:243:ASN:CG	F:1:NAG:C1	0.910
20	B:243:ASN:CG	N:1:NAG:C1	0.910
20	A:148:ARG:HB3	E:1:NAG:C3	0.908
20	A:501:ASP:OD2	A:502:PHE:HD2	0.837
20	B:501:ASP:OD2	B:502:PHE:HD2	0.835
20	B:148:ARG:HB3	M:1:NAG:C1	0.800
20	A:148:ARG:HB3	E:1:NAG:C1	0.798
20	A:148:ARG:HB2	E:1:NAG:H3	0.789
20	B:148:ARG:HB2	M:1:NAG:H3	0.789
20	A:114:ASN:HD22	D:1:NAG:C1	0.777
20	B:114:ASN:HD22	L:1:NAG:C1	0.775
20	A:148:ARG:CB	E:1:NAG:C2	0.774

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:530:LYS:NZ	J:2:NAG:CT	0.774
20	B:148:ARG:CB	M:1:NAG:C2	0.773
20	B:530:LYS:NZ	R:2:NAG:CT	0.773
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	B:499:ASN:H	B:499:ASN:HD22	0.762
20	A:501:ASP:OD2	A:502:PHE:CD2	0.756
20	B:501:ASP:OD2	B:502:PHE:CD2	0.754
20	A:114:ASN:ND2	D:1:NAG:C1	0.754
20	B:114:ASN:ND2	L:1:NAG:C1	0.753
20	A:159:PRO:CB	E:7:MAN:O4	0.747
20	B:159:PRO:CB	M:7:MAN:O4	0.746
20	A:413:ASN:CG	G:1:NAG:O5	0.730
20	A:413:ASN:CG	G:1:NAG:C1	0.716
20	A:159:PRO:HB3	E:7:MAN:C4	0.697
20	B:159:PRO:HB3	M:7:MAN:C4	0.696
20	A:498:LEU:HB2	A:502:PHE:O	0.691
20	B:498:LEU:HB2	B:502:PHE:O	0.690
20	B:530:LYS:HZ1	R:2:NAG:CT	0.690
20	B:148:ARG:HB3	M:1:NAG:C2	0.689
20	A:491:ARG:NE	I:1:NAG:N	0.688
20	A:148:ARG:HB3	E:1:NAG:C2	0.687

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:148:ARG:HA	M:1:NAG:O3	0.687
20	A:530:LYS:HZ1	J:2:NAG:CT	0.687
20	A:148:ARG:HA	E:1:NAG:O3	0.686
20	B:491:ARG:NE	Q:1:NAG:N	0.684
20	A:114:ASN:ND2	D:1:NAG:N	0.682
20	B:114:ASN:ND2	L:1:NAG:N	0.682
20	B:499:ASN:N	B:499:ASN:ND2	0.675
20	A:499:ASN:N	A:499:ASN:ND2	0.674
20	A:499:ASN:H	A:499:ASN:ND2	0.671
20	B:499:ASN:H	B:499:ASN:ND2	0.669
20	B:28:ARG:CG	B:28:ARG:HH11	0.614
20	A:28:ARG:CG	A:28:ARG:HH11	0.612
20	A:341:ASN:HB3	A:342:PRO:HD3	0.610
20	B:341:ASN:HB3	B:342:PRO:HD3	0.610
20	A:159:PRO:CA	E:7:MAN:O4	0.606
20	B:159:PRO:CA	M:7:MAN:O4	0.605
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	A:159:PRO:HA	E:7:MAN:O4	0.589
20	B:159:PRO:HA	M:7:MAN:O4	0.588
20	B:148:ARG:HB2	M:1:NAG:C4	0.577
20	A:148:ARG:HB2	E:1:NAG:C4	0.576

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:391:ASN:HB3	A:393:GLN:HG3	0.560
20	B:391:ASN:HB3	B:393:GLN:HG3	0.560
20	B:28:ARG:HG2	B:28:ARG:HH11	0.552
20	A:28:ARG:HG2	A:28:ARG:HH11	0.551
20	B:148:ARG:HB3	M:1:NAG:C5	0.549
20	A:148:ARG:HB3	E:1:NAG:C5	0.548
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	B:105:ARG:HG2	B:203:LEU:HB3	0.540
20	A:30:LYS:O	C:1:NAG:C1	0.538
20	A:413:ASN:ND2	G:1:NAG:O5	0.538
20	B:30:LYS:O	K:1:NAG:C1	0.537
20	A:359:THR:HG22	A:393:GLN:HG2	0.536
20	B:359:THR:HG22	B:393:GLN:HG2	0.536
20	A:243:ASN:OD1	F:1:NAG:C1	0.535
20	A:488:THR:HG22	I:1:NAG:CT	0.533
20	B:488:THR:HG22	Q:1:NAG:CT	0.533
20	B:243:ASN:OD1	N:1:NAG:C1	0.533
20	A:413:ASN:OD1	G:1:NAG:O5	0.526
20	B:148:ARG:CA	M:1:NAG:O3	0.507
20	A:148:ARG:CA	E:1:NAG:O3	0.504

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:499:ASN:N	A:499:ASN:HD22	0.499
20	B:499:ASN:N	B:499:ASN:HD22	0.497
20	B:148:ARG:HA	M:1:NAG:C	0.493
20	A:148:ARG:HA	E:1:NAG:C	0.490
20	A:413:ASN:OD1	G:1:NAG:C1	0.486
20	A:114:ASN:ND2	D:1:NAG:C2	0.481
20	B:114:ASN:ND2	L:1:NAG:C2	0.481
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	A:423:ILE:HB	A:424:PRO:HD3	0.477
20	B:159:PRO:O	M:7:MAN:H62	0.467
20	A:159:PRO:O	E:7:MAN:H62	0.466
20	A:528:PRO:HA	A:529:PRO:HD3	0.457
20	B:528:PRO:HA	B:529:PRO:HD3	0.454
20	A:77:ARG:HH21	A:91:PRO:HB2	0.451
20	A:148:ARG:HB3	E:1:NAG:H5	0.451
20	B:148:ARG:HB3	M:1:NAG:H5	0.449
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:236:ARG:NH2	F:5:MAN:C1	0.438

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:485:SER:HA	A:486:PRO:C	0.435
20	B:485:SER:HA	B:486:PRO:C	0.435
20	A:386:LYS:HD2	A:397:ILE:HD11	0.433
20	B:386:LYS:HD2	B:397:ILE:HD11	0.431
20	A:527:ASN:HA	A:528:PRO:C	0.427
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: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:148:ARG:CB	M:1:NAG:C4	0.408
20	A:148:ARG:CB	E:1:NAG:C4	0.407
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

Model ID	Analyzed	Favored	Allowed	Outliers
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
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

Model ID	Analyzed	Favored	Allowed	Outliers
5	942	750	122	70
6	942	750	122	70
7	942	750	122	70
8	942	750	122	70
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

Model ID	Chain	Residue ID	Residue type
1	A	38	VAL
1	A	60	LEU
1	A	62	VAL
1	A	81	VAL
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

Model ID	Chain	Residue ID	Residue type
1	A	403	GLU
1	A	409	ASN
1	A	465	THR
1	A	482	LEU
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

Model ID	Chain	Residue ID	Residue type
1	B	227	THR
1	B	234	GLU
1	B	237	VAL
1	B	269	THR
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

Model ID	Chain	Residue ID	Residue type
2	A	31	ASN
2	A	38	VAL
2	A	60	LEU
2	A	62	VAL
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

Model ID	Chain	Residue ID	Residue type
2	A	373	ILE
2	A	403	GLU
2	A	409	ASN
2	A	465	THR
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

Model ID	Chain	Residue ID	Residue type
2	B	208	THR
2	B	227	THR
2	B	234	GLU
2	B	237	VAL
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

Model ID	Chain	Residue ID	Residue type
3	A	28	ARG
3	A	31	ASN
3	A	38	VAL
3	A	60	LEU
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

Model ID	Chain	Residue ID	Residue type
3	A	348	GLU
3	A	373	ILE
3	A	403	GLU
3	A	409	ASN
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

Model ID	Chain	Residue ID	Residue type
3	B	180	ARG
3	B	208	THR
3	B	227	THR
3	B	234	GLU
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

Model ID	Chain	Residue ID	Residue type
4	A	24	ILE
4	A	28	ARG
4	A	31	ASN
4	A	38	VAL
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

Model ID	Chain	Residue ID	Residue type
4	A	338	PHE
4	A	348	GLU
4	A	373	ILE
4	A	403	GLU
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

Model ID	Chain	Residue ID	Residue type
4	B	145	LEU
4	B	180	ARG
4	B	208	THR
4	B	227	THR
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

Model ID	Chain	Residue ID	Residue type
5	A	22	VAL
5	A	24	ILE
5	A	28	ARG
5	A	31	ASN
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

Model ID	Chain	Residue ID	Residue type
5	A	325	VAL
5	A	338	PHE
5	A	348	GLU
5	A	373	ILE
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

Model ID	Chain	Residue ID	Residue type
5	B	131	THR
5	B	145	LEU
5	B	180	ARG
5	B	208	THR
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

Model ID	Chain	Residue ID	Residue type
6	A	4	ILE
6	A	22	VAL
6	A	24	ILE
6	A	28	ARG
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

Model ID	Chain	Residue ID	Residue type
6	A	301	LEU
6	A	325	VAL
6	A	338	PHE
6	A	348	GLU
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

Model ID	Chain	Residue ID	Residue type
6	B	98	VAL
6	B	131	THR
6	B	145	LEU
6	B	180	ARG
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

Model ID	Chain	Residue ID	Residue type
6	B	515	ILE
7	A	4	ILE
7	A	22	VAL
7	A	24	ILE
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

Model ID	Chain	Residue ID	Residue type
7	A	291	ILE
7	A	301	LEU
7	A	325	VAL
7	A	338	PHE
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

Model ID	Chain	Residue ID	Residue type
7	B	94	ILE
7	B	98	VAL
7	B	131	THR
7	B	145	LEU
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

Model ID	Chain	Residue ID	Residue type
7	B	507	LEU
7	B	515	ILE
8	A	4	ILE
8	A	22	VAL
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

Model ID	Chain	Residue ID	Residue type
8	A	286	THR
8	A	291	ILE
8	A	301	LEU
8	A	325	VAL
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

Model ID	Chain	Residue ID	Residue type
8	B	83	ILE
8	B	94	ILE
8	B	98	VAL
8	B	131	THR
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

Model ID	Chain	Residue ID	Residue type
8	B	499	ASN
8	B	507	LEU
8	B	515	ILE
9	A	4	ILE
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

Model ID	Chain	Residue ID	Residue type
9	A	271	ARG
9	A	286	THR
9	A	291	ILE
9	A	301	LEU
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

Model ID	Chain	Residue ID	Residue type
9	B	81	VAL
9	B	83	ILE
9	B	94	ILE
9	B	98	VAL
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

Model ID	Chain	Residue ID	Residue type
9	B	482	LEU
9	B	499	ASN
9	B	507	LEU
9	B	515	ILE
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

Model ID	Chain	Residue ID	Residue type
10	A	269	THR
10	A	271	ARG
10	A	286	THR
10	A	291	ILE
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

Model ID	Chain	Residue ID	Residue type
10	B	62	VAL
10	B	81	VAL
10	B	83	ILE
10	B	94	ILE
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

Model ID	Chain	Residue ID	Residue type
10	B	465	THR
10	B	482	LEU
10	B	499	ASN
10	B	507	LEU
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

Model ID	Chain	Residue ID	Residue type
11	A	237	VAL
11	A	269	THR
11	A	271	ARG
11	A	286	THR
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

Model ID	Chain	Residue ID	Residue type
11	B	60	LEU
11	B	62	VAL
11	B	81	VAL
11	B	83	ILE
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

Model ID	Chain	Residue ID	Residue type
11	B	409	ASN
11	B	465	THR
11	B	482	LEU
11	B	499	ASN
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

Model ID	Chain	Residue ID	Residue type
12	A	234	GLU
12	A	237	VAL
12	A	269	THR
12	A	271	ARG
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

Model ID	Chain	Residue ID	Residue type
12	B	38	VAL
12	B	60	LEU
12	B	62	VAL
12	B	81	VAL
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

Model ID	Chain	Residue ID	Residue type
12	B	403	GLU
12	B	409	ASN
12	B	465	THR
12	B	482	LEU
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

Model ID	Chain	Residue ID	Residue type
13	A	227	THR
13	A	234	GLU
13	A	237	VAL
13	A	269	THR
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

Model ID	Chain	Residue ID	Residue type
13	B	31	ASN
13	B	38	VAL
13	B	60	LEU
13	B	62	VAL
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

Model ID	Chain	Residue ID	Residue type
13	B	373	ILE
13	B	403	GLU
13	B	409	ASN
13	B	465	THR
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

Model ID	Chain	Residue ID	Residue type
14	A	208	THR
14	A	227	THR
14	A	234	GLU
14	A	237	VAL
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

Model ID	Chain	Residue ID	Residue type
14	B	28	ARG
14	B	31	ASN
14	B	38	VAL
14	B	60	LEU
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

Model ID	Chain	Residue ID	Residue type
14	B	348	GLU
14	B	373	ILE
14	B	403	GLU
14	B	409	ASN
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

Model ID	Chain	Residue ID	Residue type
15	A	180	ARG
15	A	208	THR
15	A	227	THR
15	A	234	GLU
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

Model ID	Chain	Residue ID	Residue type
15	B	24	ILE
15	B	28	ARG
15	B	31	ASN
15	B	38	VAL
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

Model ID	Chain	Residue ID	Residue type
15	B	338	PHE
15	B	348	GLU
15	B	373	ILE
15	B	403	GLU
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

Model ID	Chain	Residue ID	Residue type
16	A	145	LEU
16	A	180	ARG
16	A	208	THR
16	A	227	THR
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

Model ID	Chain	Residue ID	Residue type
16	B	22	VAL
16	B	24	ILE
16	B	28	ARG
16	B	31	ASN
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

Model ID	Chain	Residue ID	Residue type
16	B	325	VAL
16	B	338	PHE
16	B	348	GLU
16	B	373	ILE
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

Model ID	Chain	Residue ID	Residue type
17	A	131	THR
17	A	145	LEU
17	A	180	ARG
17	A	208	THR
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

Model ID	Chain	Residue ID	Residue type
17	B	4	ILE
17	B	22	VAL
17	B	24	ILE
17	B	28	ARG
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

Model ID	Chain	Residue ID	Residue type
17	B	301	LEU
17	B	325	VAL
17	B	338	PHE
17	B	348	GLU
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

Model ID	Chain	Residue ID	Residue type
18	A	98	VAL
18	A	131	THR
18	A	145	LEU
18	A	180	ARG
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

Model ID	Chain	Residue ID	Residue type
18	A	515	ILE
18	B	4	ILE
18	B	22	VAL
18	B	24	ILE
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

Model ID	Chain	Residue ID	Residue type
18	B	291	ILE
18	B	301	LEU
18	B	325	VAL
18	B	338	PHE
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

Model ID	Chain	Residue ID	Residue type
19	A	94	ILE
19	A	98	VAL
19	A	131	THR
19	A	145	LEU
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

Model ID	Chain	Residue ID	Residue type
19	A	507	LEU
19	A	515	ILE
19	B	4	ILE
19	B	22	VAL
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

Model ID	Chain	Residue ID	Residue type
19	B	286	THR
19	B	291	ILE
19	B	301	LEU
19	B	325	VAL
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

Model ID	Chain	Residue ID	Residue type
20	A	83	ILE
20	A	94	ILE
20	A	98	VAL
20	A	131	THR
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

Model ID	Chain	Residue ID	Residue type
20	A	499	ASN
20	A	507	LEU
20	A	515	ILE
20	B	4	ILE
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

Model ID	Chain	Residue ID	Residue type
20	B	271	ARG
20	B	286	THR
20	B	291	ILE
20	B	301	LEU
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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