

Integrative Structure Validation Report

July 22, 2024 - 05:33 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	9A45
PDB-Dev ID	PDBDEV_00000226
Structure Title	F1N4 fully-glycosylated model of mouse N-cadherin EC1-EC5
Structure Authors	Tsai, Y.-X.; Chang, H.-T.; Wang, Y.-S.; Hsu, M.-F.; Hanus, C.; Sikora, M.; Hsu, S.-T.D.

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

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

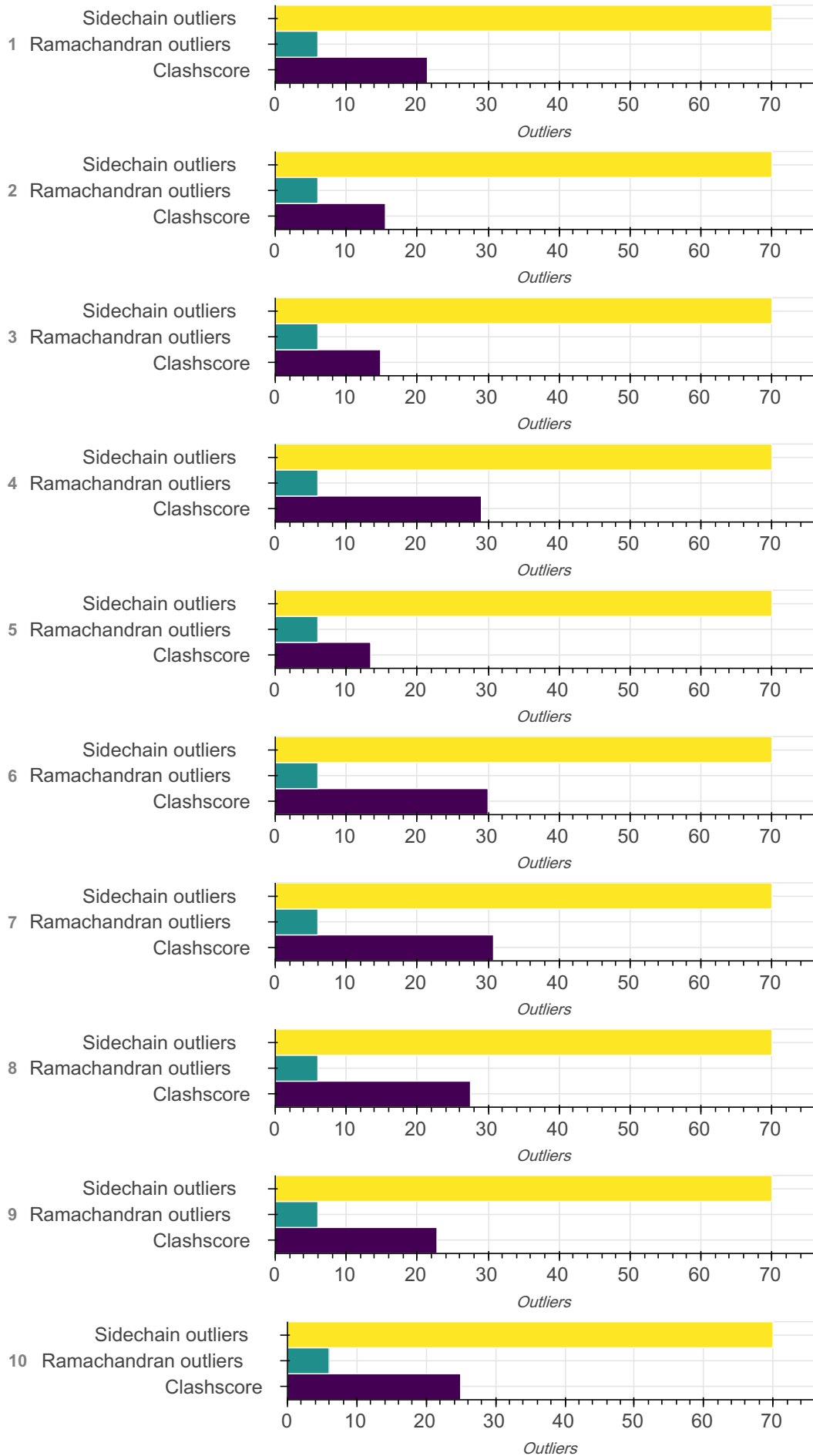
A user guide is available at https://pdb-dev.wwpdb.org/validation_help.html with specific help available everywhere you see the  symbol.

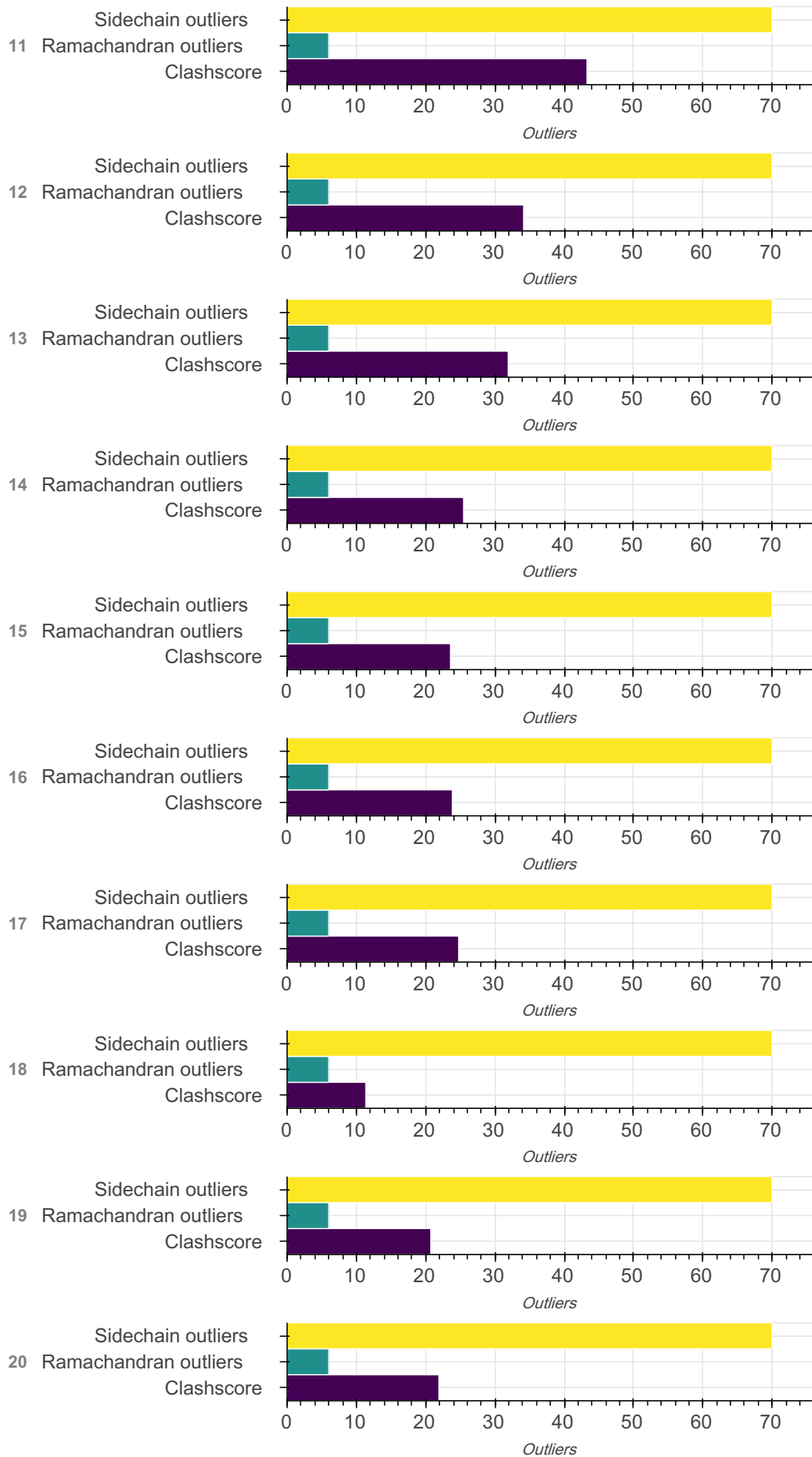
List of references used to build this report is available [here](#).

Overall quality

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

Model Quality: MolProbity Analysis





Ensemble information ?

This entry consists of 1 distinct ensemble(s).

Summary ?

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

Entry composition ?

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	1	1	Cadherin-2	A	A	541
1	2	1	Cadherin-2	B	B	541
1	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
1	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
1	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
1	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
1	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
1	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
1	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
1	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
2	1	1	Cadherin-2	A	A	541
2	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
2	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
2	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
2	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
2	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
2	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
2	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
2	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
2	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
2	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

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

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

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

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

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
4	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
4	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
4	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
4	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
4	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
4	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
4	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
5	1	1	Cadherin-2	A	A	541
5	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
5	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
5	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
5	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
5	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
5	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
5	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
5	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
6	1	1	Cadherin-2	A	A	541
6	2	1	Cadherin-2	B	B	541
6	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
6	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12

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

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

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
6	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
6	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
7	1	1	Cadherin-2	A	A	541
7	2	1	Cadherin-2	B	B	541
7	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
7	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
7	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
7	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
7	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
7	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
7	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
7	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
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	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
8	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
8	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
8	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
8	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
8	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
8	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
8	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
9	1	1	Cadherin-2	A	A	541
9	2	1	Cadherin-2	B	B	541
9	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
9	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
9	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
9	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12

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

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
9	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
9	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
10	1	1	Cadherin-2	A	A	541
10	2	1	Cadherin-2	B	B	541
10	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
10	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
10	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
10	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
10	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
10	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
10	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
10	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
11	1	1	Cadherin-2	A	A	541
11	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
11	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
11	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
11	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
11	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
11	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
11	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
11	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
11	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
11	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

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

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

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

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

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
13	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
13	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
13	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
13	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
13	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
14	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
14	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
14	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
14	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
14	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
14	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
14	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
14	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
14	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
15	1	1	Cadherin-2	A	A	541
15	2	1	Cadherin-2	B	B	541
15	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
15	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
15	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
15	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
15	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
15	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
15	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
15	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
16	1	1	Cadherin-2	A	A	541
16	2	1	Cadherin-2	B	B	541
16	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
16	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
16	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
16	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
16	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
16	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
16	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
16	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
17	1	1	Cadherin-2	A	A	541
17	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
17	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
17	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
17	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
17	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
17	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
17	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
17	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
17	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
17	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
18	1	1	Cadherin-2	A	A	541
18	2	1	Cadherin-2	B	B	541
18	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
18	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
18	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
18	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
18	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
18	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	14	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	N	N	12
18	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
18	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
18	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
18	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
19	1	1	Cadherin-2	A	A	541
19	2	1	Cadherin-2	B	B	541
19	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
19	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12
19	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
19	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12
19	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12

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

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
19	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
19	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12
19	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12
20	1	1	Cadherin-2	A	A	541
20	2	1	Cadherin-2	B	B	541

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	3	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	C	C	12
20	4	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	D	D	12
20	5	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	E	E	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	6	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	F	F	12
20	7	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	G	G	12
20	8	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	H	H	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	9	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	I	I	12
20	10	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	J	J	12
20	11	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	K	K	12

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

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	15	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	O	O	12
20	16	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	P	P	12
20	17	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	Q	Q	12

Model ID	Subunit number	Subunit ID	Subunit name	Chain ID	Chain ID [auth]	Total residues
20	18	2	N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose	R	R	12

Datasets used for modeling

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

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

Representation

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

Chain ID	Rigid bodies	Non-rigid segments
A	-	1-541
B	-	1-541
C	-	1-12
D	-	1-12
E	-	1-12
F	-	1-12

Chain ID	Rigid bodies	Non-rigid segments
G	-	1-12
H	-	1-12
I	-	1-12
J	-	1-12
K	-	1-12
L	-	1-12
M	-	1-12
N	-	1-12
O	-	1-12
P	-	1-12
Q	-	1-12
R	-	1-12

Methodology and software

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

Step number	Protocol ID	Method name	Method type	Method description	Number of computed models	Multi state modeling	Multi scale modeling
1	1	Use GlycoSHIELD, the tool we have developed, to graft MD-simulated glycan ensemble onto the x-ray protein structure (PDB ID: 3Q2W).	None	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, molprobtity 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 398 angle outliers in this entry. A summary is provided below, and a detailed list of outliers can be found [here](#).

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
N-CA-CB	110.50	90.63	40
N-CA-C	111.00	133.93	40
C5-C4-O4	111.70	93.87	2
C2-C3-O3	107.47	125.17	2
C3-C4-O4	107.29	123.97	2
C3-C4-O4	107.29	123.77	2
C3-C4-O4	107.29	123.68	2
C3-C4-O4	107.29	123.66	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C3-C4-O4	107.29	123.44	2
C3-C4-O4	107.29	123.29	2
C3-C4-O4	107.29	123.17	2
C3-C4-O4	107.29	122.84	2
C3-C4-O4	107.29	122.56	2
C2-C1-O5	110.03	95.24	2
C2-C1-O5	110.03	95.29	2
C2-C1-O5	110.03	95.36	2
C1-O5-C5	118.82	104.23	2
C2-C1-O5	110.03	95.47	2
C3-C4-O4	105.79	120.33	2
C1-O5-C5	118.82	104.37	2
C2-C1-O5	110.03	95.60	2
C5-C4-O4	106.87	121.22	2
C4-C3-O3	113.26	98.92	2
C5-C4-O4	106.87	121.14	2
C3-C4-O4	107.06	121.32	2
C1-O5-C5	118.82	104.59	2
C1-O5-C5	115.81	101.69	2
C2-C3-O3	107.47	121.54	2
C4-C3-O3	113.26	99.22	2
C5-C6-O6	109.77	95.74	2
C4-C3-O3	113.26	99.26	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C1-O5-C5	115.81	101.81	2
C5-C4-O4	106.87	120.86	2
C1-C2-O2	108.40	122.36	2
C4-C3-O3	113.26	99.31	2
C4-C3-O3	113.26	99.37	2
C4-C3-O3	113.26	99.40	2
C2-C3-O3	106.67	120.53	2
C5-C4-O4	106.87	120.72	2
C5-C4-O4	106.87	120.70	2
C2-C3-O3	107.49	121.32	2
C1-O5-C5	115.81	102.02	2
C1-C2-O6	109.00	122.77	2
C1-O5-C5	115.81	102.05	2
C2-C1-O5	110.03	96.29	2
C1-O5-C5	115.81	102.13	2
C1-C2-O6	109.00	122.64	2
C3-C4-O4	105.79	119.41	2
C3-C4-O4	108.61	122.22	2
C1-O5-C5	115.81	102.20	2
C1-O5-C5	118.82	105.22	2
C1-C2-O2	106.80	120.38	2
C1-C2-O6	109.00	122.58	2
C1-O5-C5	115.81	102.31	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C6-C7-C8	111.59	124.99	2
C1-C2-O2	106.80	120.16	2
C2-C1-O5	110.03	96.69	2
C1-C2-O2	106.80	120.13	2
C1-C2-O6	109.00	122.33	2
C3-C4-O4	107.29	120.59	2
C2-C1-O5	110.03	96.76	2
C3-C4-O4	107.29	120.55	2
C1-C2-O2	106.80	120.05	2
C5-C6-O6	109.08	122.26	2
C5-C6-O6	107.65	120.82	2
C6-C7-C8	111.59	124.73	2
C7-C8-C9	111.05	124.18	2
C1-O5-C5	118.82	105.71	2
N-CA-CB	110.50	117.92	40
C1-C2-O6	109.00	122.07	2
C1-C2-O2	106.80	119.86	2
C3-C4-O4	107.29	120.31	2
C1-C2-O2	106.80	119.82	2
C5-C6-O6	109.08	122.08	2
C6-C7-C8	111.59	124.59	2
C1-C2-O2	106.80	119.73	2
C1-C2-O2	106.80	119.72	4

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C5-C6-O6	109.08	121.98	2
C3-C4-O4	107.29	120.18	2
C7-C8-C9	111.05	123.93	2
C1-C2-O2	106.80	119.66	2
C5-C4-O4	111.70	98.90	2
C2-C3-O3	108.05	120.80	2
C1-C2-O2	106.80	119.53	2
C3-C4-O4	107.29	119.95	2
C1-C2-O2	106.80	119.45	2
C3-C4-O4	107.29	119.94	2
C5-C4-O4	111.70	99.08	2
C7-C8-C9	111.05	123.65	4
C5-C4-O4	111.70	99.11	2
C5-C4-O4	111.70	99.14	2
C6-C7-C8	111.59	124.13	2
C5-C4-O4	111.70	99.19	2
C7-C8-C9	111.05	123.55	2
C7-C8-C9	111.05	123.54	2
C4-C5-O5	113.24	100.77	2
C5-C4-O4	111.70	99.24	2
C3-C4-O4	108.47	120.93	2
C1-O5-C5	118.82	106.36	2
C2-C1-O5	110.03	97.58	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C5-C4-O4	111.70	99.31	2
C5-C6-O6	109.08	121.47	2
C3-C4-O4	107.29	119.68	2
C7-C6-O6	103.71	116.10	2
C5-C4-O4	111.70	99.33	2
C5-C6-C7	110.56	122.91	2
C5-C4-O4	111.70	99.41	2
C2-C3-O3	106.67	118.95	2
C2-C1-O5	110.03	97.75	2
C5-C6-C7	110.56	122.84	2
C3-C4-O4	107.29	119.57	4
C5-C4-O4	111.70	99.43	2
C7-C6-O6	103.71	115.98	2
C5-C6-O6	109.08	121.34	2
C7-C8-C9	111.05	123.31	2
C3-C4-O4	107.06	119.31	2
C7-C8-C9	111.05	123.28	2
C3-C4-O4	107.29	119.52	2
C3-C4-O4	107.29	119.50	2
C5-C4-O4	111.70	99.51	2
C5-C6-C7	110.56	122.74	2
C2-C3-O3	106.67	118.85	2
C3-C4-O4	107.29	119.46	2

Angle type	Observed angle (°)	Ideal angle (°)	Number of outliers
C5-C4-O4	111.70	99.54	2
C5-C6-O6	109.08	121.22	2
C1-C2-O2	108.40	120.54	2
C5-C4-O4	111.70	99.56	2
C7-C6-O6	103.71	115.84	2
C1-C2-O2	108.40	120.49	2
C3-C4-O4	107.29	119.37	2
C1-C2-O2	108.40	120.47	2
C5-C4-O4	111.70	99.64	2
C3-C4-O4	105.79	117.84	2
C3-C4-O4	107.06	119.10	2
C2-C3-O3	106.67	118.70	2
C3-C4-O4	107.06	119.09	2
C8-C9-O9	109.54	121.56	2
C3-C4-O4	107.29	119.30	2
C5-C6-O6	107.65	119.66	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	21.44	260
2	15.52	188
3	14.84	180

Model ID	Clash score	Number of clashes
4	29.05	352
5	13.45	163
6	29.99	364
7	30.76	373
8	27.51	334
9	22.79	276
10	24.96	303
11	43.28	524
12	34.13	414
13	31.91	387
14	25.47	309
15	23.58	286
16	23.84	290
17	24.76	301
18	11.35	138
19	20.74	252
20	21.90	266

All 5960 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:445:GLN:HB3	J:12:FUC:C3	1.557
1	B:445:GLN:HB3	R:12:FUC:C3	1.550
1	B:166:ASN:HD22	M:1:NAG:C1	1.540
1	A:166:ASN:HD22	E:1:NAG:C1	1.538

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:517:GLU:C	R:11:SIA:CT	1.505
1	A:517:GLU:C	J:11:SIA:CT	1.503
1	A:445:GLN:HG3	J:12:FUC:C2	1.498
1	B:445:GLN:HG3	R:12:FUC:C2	1.494
1	A:445:GLN:CG	J:12:FUC:C3	1.485
1	B:445:GLN:CG	R:12:FUC:C3	1.485
1	B:445:GLN:CG	R:12:FUC:O3	1.396
1	A:445:GLN:CG	J:12:FUC:O3	1.393
1	A:445:GLN:CB	J:12:FUC:C3	1.390
1	A:515:ILE:CD1	J:10:GAL:H4	1.390
1	B:515:ILE:CD1	R:10:GAL:H4	1.390
1	B:445:GLN:CB	R:12:FUC:C3	1.389
1	A:445:GLN:CG	J:12:FUC:O2	1.380
1	B:445:GLN:CG	R:12:FUC:O2	1.380
1	B:515:ILE:HD13	R:10:GAL:C4	1.379
1	A:515:ILE:HD13	J:10:GAL:C4	1.377
1	A:488:THR:OG1	I:1:NAG:CT	1.323
1	B:488:THR:OG1	Q:1:NAG:CT	1.322
1	B:517:GLU:O	R:11:SIA:CT	1.316
1	A:517:GLU:O	J:11:SIA:CT	1.310
1	B:517:GLU:CA	R:11:SIA:CT	1.297
1	A:517:GLU:CA	J:11:SIA:CT	1.294
1	B:532:ASN:ND2	R:1:NAG:C1	1.244

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:532:ASN:ND2	J:1:NAG:C1	1.242
1	A:166:ASN:ND2	E:1:NAG:C1	1.192
1	B:166:ASN:ND2	M:1:NAG:C1	1.190
1	A:445:GLN:HG3	J:12:FUC:O2	1.179
1	B:517:GLU:N	R:11:SIA:CT	1.177
1	B:445:GLN:HG3	R:12:FUC:O2	1.175
1	A:517:GLU:N	J:11:SIA:CT	1.169
1	A:449:GLN:OE1	J:12:FUC:C6	1.154
1	B:449:GLN:OE1	R:12:FUC:C6	1.153
1	B:445:GLN:OE1	R:12:FUC:H3	1.131
1	A:445:GLN:OE1	J:12:FUC:H3	1.130
1	A:537:ARG:NH2	J:9:NAG:H5	1.129
1	B:515:ILE:HG21	R:10:GAL:C3	1.117
1	A:515:ILE:HG21	J:10:GAL:C3	1.116
1	B:488:THR:CB	Q:1:NAG:CT	1.110
1	A:488:THR:CB	I:1:NAG:CT	1.108
1	A:243:ASN:HD22	F:1:NAG:C1	1.104
1	B:243:ASN:HD22	N:1:NAG:C1	1.102
1	A:532:ASN:HD21	J:1:NAG:C1	1.097
1	B:532:ASN:HD21	R:1:NAG:C1	1.096
1	A:445:GLN:CB	J:12:FUC:O3	1.027
1	B:445:GLN:CB	R:12:FUC:O3	1.027
1	B:537:ARG:HH21	R:9:NAG:H5	1.027

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:537:ARG:HH21	J:9:NAG:H5	1.023
1	B:537:ARG:NH2	R:9:NAG:H5	1.015
1	B:445:GLN:CD	R:12:FUC:H3	1.005
1	A:445:GLN:CD	J:12:FUC:H3	1.003
1	A:445:GLN:OE1	J:1:NAG:O6	0.995
1	B:445:GLN:OE1	R:1:NAG:O6	0.994
1	A:445:GLN:HG3	J:12:FUC:C3	0.991
1	B:445:GLN:HG3	R:12:FUC:C3	0.986
1	B:445:GLN:HB3	R:12:FUC:H3	0.953
1	A:445:GLN:HB3	J:12:FUC:H3	0.948
1	B:445:GLN:CG	R:12:FUC:H3	0.946
1	A:445:GLN:CG	J:12:FUC:H3	0.944
1	B:533:ILE:HB	R:1:NAG:CT	0.940
1	A:533:ILE:HB	J:1:NAG:CT	0.938
1	B:445:GLN:HG3	R:12:FUC:HO2	0.920
1	A:445:GLN:CG	J:12:FUC:C2	0.913
1	A:445:GLN:HG3	J:12:FUC:HO2	0.913
1	B:445:GLN:CG	R:12:FUC:C2	0.908
1	A:445:GLN:CD	J:12:FUC:C3	0.904
1	B:445:GLN:CD	R:12:FUC:C3	0.904
1	B:515:ILE:HG21	R:10:GAL:H3	0.895
1	A:515:ILE:HG21	J:10:GAL:H3	0.890
1	A:515:ILE:CG2	J:10:GAL:H3	0.886

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:488:THR:HB	I:1:NAG:CT	0.882
1	B:515:ILE:CG2	R:10:GAL:H3	0.881
1	B:488:THR:HB	Q:1:NAG:CT	0.880
1	A:449:GLN:OE1	J:12:FUC:H61	0.871
1	B:449:GLN:OE1	R:12:FUC:H61	0.871
1	A:449:GLN:OE1	J:12:FUC:H63	0.855
1	B:449:GLN:OE1	R:12:FUC:H63	0.855
1	A:501:ASP:OD2	A:502:PHE:HD2	0.837
1	B:501:ASP:OD2	B:502:PHE:HD2	0.835
1	A:537:ARG:CG	J:9:NAG:O6	0.826
1	B:537:ARG:CG	R:9:NAG:O6	0.824
1	A:445:GLN:CD	J:12:FUC:O2	0.784
1	B:445:GLN:CD	R:12:FUC:C2	0.783
1	B:445:GLN:CD	R:12:FUC:O2	0.783
1	A:445:GLN:CD	J:12:FUC:C2	0.782
1	A:515:ILE:HG22	J:11:SIA:C6	0.778
1	A:537:ARG:HG3	J:9:NAG:O6	0.775
1	B:537:ARG:HG3	R:9:NAG:O6	0.774
1	B:488:THR:HB	Q:1:NAG:C	0.773
1	A:488:THR:HB	I:1:NAG:C	0.772
1	B:515:ILE:HG22	R:11:SIA:C6	0.772
1	A:445:GLN:HB3	J:12:FUC:C4	0.771
1	B:243:ASN:ND2	N:1:NAG:C1	0.768

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:243:ASN:ND2	F:1:NAG:C1	0.766
1	B:445:GLN:HB3	R:12:FUC:C4	0.765
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:532:ASN:HD22	J:1:NAG:C1	0.749
1	B:532:ASN:HD22	R:1:NAG:C1	0.746
1	B:160:ASN:CG	M:11:SIA:O	0.730
1	A:160:ASN:CG	E:11:SIA:O	0.727
1	A:537:ARG:NH2	J:9:NAG:C5	0.726
1	B:537:ARG:NH2	R:9:NAG:C5	0.726
1	A:449:GLN:HG3	J:12:FUC:H62	0.717
1	B:449:GLN:HG3	R:12:FUC:H62	0.717
1	A:511:PHE:CA	I:12:FUC:H2	0.707
1	B:511:PHE:CA	Q:12:FUC:H2	0.706
1	A:445:GLN:OE1	J:12:FUC:C3	0.704
1	B:445:GLN:OE1	R:12:FUC:C3	0.702
1	A:515:ILE:C	J:11:SIA:C2	0.701
1	B:515:ILE:C	R:11:SIA:C2	0.700
1	A:511:PHE:CB	I:12:FUC:H2	0.698

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:511:PHE:CB	Q:12:FUC:H2	0.698
1	A:498:LEU:HB2	A:502:PHE:O	0.691
1	B:498:LEU:HB2	B:502:PHE:O	0.690
1	B:537:ARG:CD	R:11:SIA:C9	0.687
1	A:537:ARG:CD	J:11:SIA:C9	0.685
1	A:488:THR:HG1	I:1:NAG:CT	0.681
1	A:511:PHE:N	I:12:FUC:H2	0.681
1	B:511:PHE:N	Q:12:FUC:H2	0.680
1	B:499:ASN:N	B:499:ASN:ND2	0.675
1	A:499:ASN:N	A:499:ASN:ND2	0.674
1	B:488:THR:HG1	Q:1:NAG:CT	0.672
1	A:499:ASN:H	A:499:ASN:ND2	0.671
1	B:499:ASN:H	B:499:ASN:ND2	0.669
1	B:445:GLN:HB2	R:12:FUC:O3	0.666
1	A:445:GLN:HB2	J:12:FUC:O3	0.665
1	A:445:GLN:CD	J:1:NAG:O6	0.652
1	A:533:ILE:HD12	J:1:NAG:CT	0.650
1	B:445:GLN:CD	R:1:NAG:O6	0.650
1	B:533:ILE:HD12	R:1:NAG:CT	0.650
1	A:445:GLN:HB3	J:12:FUC:O3	0.644
1	B:445:GLN:HB3	R:12:FUC:O3	0.643
1	A:511:PHE:CB	I:12:FUC:O5	0.637
1	B:511:PHE:CB	Q:12:FUC:O5	0.636

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:537:ARG:CZ	J:9:NAG:O4	0.629
1	A:463:ASN:ND2	H:1:NAG:C1	0.629
1	B:463:ASN:ND2	P:1:NAG:C1	0.629
1	B:537:ARG:CZ	R:9:NAG:O4	0.628
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: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	B:533:ILE:O	R:1:NAG:N	0.591
1	A:533:ILE:O	J:1:NAG:N	0.590
1	B:463:ASN:HD22	P:1:NAG:C1	0.580
1	A:463:ASN:HD22	H:1:NAG:C1	0.579
1	B:433:GLN:NE2	O:12:FUC:O3	0.570
1	A:433:GLN:NE2	G:12:FUC:O3	0.569
1	B:449:GLN:CD	R:12:FUC:C6	0.568
1	A:449:GLN:CD	J:12:FUC:C6	0.567
1	A:515:ILE:HB	J:11:SIA:H32	0.562
1	B:445:GLN:CB	R:12:FUC:H3	0.562
1	A:391:ASN:HB3	A:393:GLN:HG3	0.560
1	B:391:ASN:HB3	B:393:GLN:HG3	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:515:ILE:HB	R:11:SIA:H32	0.560
1	B:160:ASN:ND2	M:11:SIA:O	0.556
1	A:160:ASN:ND2	E:11:SIA:O	0.555
1	A:445:GLN:CB	J:12:FUC:H3	0.554
1	B:28:ARG:HG2	B:28:ARG:HH11	0.552
1	A:28:ARG:HG2	A:28:ARG:HH11	0.551
1	B:488:THR:HG22	B:491:ARG:NH2	0.548
1	A:488:THR:HG22	A:491:ARG:NH2	0.547
1	A:277:ASP:OD1	F:12:FUC:O3	0.547
1	B:277:ASP:OD1	N:12:FUC:O3	0.547
1	B:488:THR:HB	Q:1:NAG:O	0.546
1	A:109:LEU:H	A:109:LEU:HD12	0.545
1	B:109:LEU:H	B:109:LEU:HD12	0.545
1	A:488:THR:HB	I:1:NAG:O	0.544
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
1	B:511:PHE:CB	Q:12:FUC:C1	0.535
1	A:511:PHE:CB	I:12:FUC:C1	0.533
1	A:166:ASN:ND2	E:1:NAG:C2	0.510
1	B:166:ASN:ND2	M:1:NAG:C2	0.509
1	A:515:ILE:HD13	J:10:GAL:C3	0.501
1	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:515:ILE:HD13	R:10:GAL:C3	0.498
1	B:199:PRO:HB3	M:8:MAN:O4	0.497
1	B:499:ASN:N	B:499:ASN:HD22	0.497
1	A:533:ILE:CB	J:1:NAG:CT	0.496
1	B:533:ILE:CB	R:1:NAG:CT	0.495
1	A:449:GLN:CG	J:12:FUC:H62	0.488
1	B:449:GLN:CG	R:12:FUC:H62	0.486
1	A:515:ILE:HB	J:11:SIA:C3	0.485
1	B:537:ARG:HD2	R:11:SIA:C9	0.484
1	A:515:ILE:CD1	J:10:GAL:C4	0.483
1	A:537:ARG:HD2	J:11:SIA:C9	0.483
1	B:515:ILE:HB	R:11:SIA:C3	0.482
1	B:28:ARG:CG	B:28:ARG:NH1	0.479
1	B:423:ILE:HB	B:424:PRO:HD3	0.479
1	B:515:ILE:CD1	R:10:GAL:C4	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	B:537:ARG:CZ	R:9:NAG:C4	0.474
1	A:537:ARG:CZ	J:9:NAG:C4	0.473
1	A:148:ARG:HH21	E:2:NAG:CT	0.471
1	B:148:ARG:HH21	M:2:NAG:CT	0.471
1	A:515:ILE:N	J:11:SIA:O12	0.470
1	B:515:ILE:N	R:11:SIA:O12	0.469

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:515:ILE:C	R:11:SIA:C6	0.465
1	A:449:GLN:OE1	J:12:FUC:H62	0.465
1	A:515:ILE:C	J:11:SIA:C6	0.464
1	B:201:TYR:OH	M:7:SIA:H4	0.464
1	A:201:TYR:OH	E:7:SIA:H4	0.463
1	B:449:GLN:OE1	R:12:FUC:H62	0.461
1	A:445:GLN:CG	J:12:FUC:HO2	0.458
1	A:528:PRO:HA	A:529:PRO:HD3	0.457
1	A:537:ARG:NH1	J:10:GAL:O2	0.457
1	B:537:ARG:NH1	R:10:GAL:O2	0.455
1	B:528:PRO:HA	B:529:PRO:HD3	0.454
1	A:77:ARG:HH21	A:91:PRO:HB2	0.451
1	B:445:GLN:CG	R:12:FUC:HO2	0.447
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:485:SER:HA	A:486:PRO:C	0.435
1	B:485:SER:HA	B:486:PRO:C	0.435
1	B:148:ARG:HB3	M:12:FUC:H5	0.434
1	A:386:LYS:HD2	A:397:ILE:HD11	0.433
1	B:148:ARG:NH1	M:12:FUC:O4	0.432
1	B:386:LYS:HD2	B:397:ILE:HD11	0.431

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	B:409:ASN:OD1	O:11:SIA:CT	0.430
1	A:409:ASN:OD1	G:11:SIA:CT	0.429
1	A:527:ASN:HA	A:528:PRO:C	0.427
1	B:527:ASN:HA	B:528:PRO:C	0.427
1	A:148:ARG:NH1	E:12:FUC:O4	0.425
1	Q:11:SIA:H91	Q:11:SIA:O6	0.424
1	C:11:SIA:H91	C:11:SIA:O6	0.423
1	I:11:SIA:H91	I:11:SIA:O6	0.423
1	K:11:SIA:H91	K:11:SIA:O6	0.422
1	A:378:LEU:HD12	A:417:LEU:HG	0.421
1	B:378:LEU:HD12	B:417:LEU:HG	0.421
1	F:11:SIA:H91	F:11:SIA:O6	0.419
1	N:11:SIA:H91	N:11:SIA:O6	0.419
1	D:11:SIA:H91	D:11:SIA:O6	0.417
1	L:11:SIA:H91	L:11:SIA:O6	0.417
1	P:11:SIA:H91	P:11:SIA:O6	0.415
1	B:231:GLU:HA	B:328:THR:O	0.413
1	H:11:SIA:H91	H:11:SIA:O6	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:511:PHE:CB	I:12:FUC:C2	0.405
1	B:511:PHE:CB	Q:12:FUC:C2	0.405

Model ID	Atom-1	Atom-2	Clash overlap (Å)
1	A:262:ARG:HH12	A:264:SER:HA	0.401
1	G:11:SIA:H91	G:11:SIA:O6	0.401
1	B:262:ARG:HH12	B:264:SER:HA	0.401
2	B:184:GLN:HA	L:11:SIA:C	1.496
2	A:184:GLN:HA	D:11:SIA:C	1.495
2	B:415:THR:CG2	O:1:NAG:H3	1.420
2	A:415:THR:CG2	G:1:NAG:H3	1.419
2	B:214:THR:HB	L:9:NAG:O6	1.255
2	A:532:ASN:ND2	J:1:NAG:C1	1.252
2	B:532:ASN:ND2	R:1:NAG:C1	1.252
2	A:214:THR:HB	D:9:NAG:O6	1.251
2	A:214:THR:CB	D:9:NAG:O6	1.240
2	B:214:THR:CB	L:9:NAG:O6	1.238
2	B:184:GLN:HA	L:11:SIA:CT	1.227
2	A:431:THR:HA	G:1:NAG:CT	1.226
2	A:184:GLN:HA	D:11:SIA:CT	1.225
2	A:184:GLN:C	D:11:SIA:CT	1.210
2	B:184:GLN:C	L:11:SIA:CT	1.210
2	A:415:THR:HG22	G:1:NAG:C3	1.182
2	B:415:THR:HG22	O:1:NAG:C3	1.181
2	A:431:THR:OG1	G:1:NAG:O3	1.164
2	A:184:GLN:HA	D:11:SIA:N	1.130
2	B:184:GLN:CA	L:11:SIA:CT	1.128

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:184:GLN:HA	L:11:SIA:N	1.128
2	A:184:GLN:CA	D:11:SIA:CT	1.127
2	B:212:THR:HB	L:12:FUC:C4	1.103
2	A:431:THR:CA	G:1:NAG:CT	1.101
2	A:431:THR:HA	G:1:NAG:C	1.101
2	A:184:GLN:CA	D:11:SIA:C	1.091
2	B:184:GLN:CA	L:11:SIA:C	1.091
2	A:460:ASN:OD1	H:1:NAG:H3	1.042
2	B:460:ASN:OD1	P:1:NAG:H3	1.037
2	A:214:THR:HB	D:9:NAG:C6	1.035
2	B:214:THR:HB	L:9:NAG:C6	1.035
2	A:431:THR:C	G:1:NAG:CT	1.031
2	B:212:THR:HB	L:12:FUC:H4	0.980
2	B:460:ASN:OD1	P:1:NAG:C3	0.964
2	A:460:ASN:OD1	H:1:NAG:C3	0.961
2	A:214:THR:HG22	D:12:FUC:H63	0.953
2	B:214:THR:HG22	L:12:FUC:H63	0.952
2	B:212:THR:HB	L:12:FUC:C3	0.910
2	B:214:THR:CG2	L:9:NAG:O6	0.904
2	A:214:THR:CG2	D:9:NAG:O6	0.902
2	A:163:THR:OG1	E:1:NAG:O	0.900
2	B:212:THR:HB	L:12:FUC:O3	0.895
2	A:415:THR:HG22	G:1:NAG:H3	0.884

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:415:THR:HG22	O:1:NAG:H3	0.883
2	B:184:GLN:O	L:11:SIA:CT	0.868
2	A:184:GLN:O	D:11:SIA:CT	0.867
2	B:532:ASN:HD22	R:1:NAG:C1	0.848
2	A:532:ASN:HD22	J:1:NAG:C1	0.847
2	A:460:ASN:HB3	H:1:NAG:O3	0.843
2	B:460:ASN:HB3	P:1:NAG:O3	0.840
2	A:501:ASP:OD2	A:502:PHE:HD2	0.837
2	B:501:ASP:OD2	B:502:PHE:HD2	0.835
2	B:159:PRO:HG2	M:4:MAN:O4	0.834
2	A:159:PRO:HG2	E:4:MAN:O4	0.833
2	A:431:THR:CA	G:1:NAG:C	0.833
2	B:212:THR:CB	L:12:FUC:H4	0.816
2	B:415:THR:CG2	O:1:NAG:C3	0.778
2	A:415:THR:CG2	G:1:NAG:C3	0.777
2	B:212:THR:CB	L:12:FUC:C4	0.772
2	A:499:ASN:H	A:499:ASN:HD22	0.765
2	B:499:ASN:HD21	B:502:PHE:HB2	0.764
2	A:499:ASN:HD21	A:502:PHE:HB2	0.763
2	B:499:ASN:H	B:499:ASN:HD22	0.762
2	B:212:THR:N	L:12:FUC:O3	0.761
2	A:501:ASP:OD2	A:502:PHE:CD2	0.756
2	B:501:ASP:OD2	B:502:PHE:CD2	0.754

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:116:SER:HB2	L:12:FUC:HO4	0.737
2	A:532:ASN:HD21	J:1:NAG:C1	0.735
2	B:532:ASN:HD21	R:1:NAG:C1	0.735
2	A:251:GLN:C	D:10:GAL:O6	0.734
2	B:251:GLN:C	L:10:GAL:O6	0.734
2	B:212:THR:HG22	L:12:FUC:O4	0.731
2	A:184:GLN:CA	D:11:SIA:N	0.723
2	B:184:GLN:CA	L:11:SIA:N	0.722
2	A:498:LEU:HB2	A:502:PHE:O	0.691
2	B:498:LEU:HB2	B:502:PHE:O	0.690
2	B:491:ARG:HE	Q:1:NAG:C2	0.683
2	A:491:ARG:HE	I:1:NAG:C2	0.681
2	B:499:ASN:N	B:499:ASN:ND2	0.675
2	A:499:ASN:N	A:499:ASN:ND2	0.674
2	A:499:ASN:H	A:499:ASN:ND2	0.671
2	B:499:ASN:H	B:499:ASN:ND2	0.669
2	B:116:SER:HB2	L:12:FUC:C4	0.668
2	B:212:THR:CG2	L:12:FUC:H4	0.667
2	A:116:SER:HB2	D:12:FUC:C4	0.662
2	B:212:THR:H	L:12:FUC:HO3	0.659
2	B:212:THR:CB	L:12:FUC:O3	0.658
2	A:116:SER:HB2	D:12:FUC:O4	0.651
2	B:116:SER:HB2	L:12:FUC:O4	0.650

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:415:THR:HG21	O:1:NAG:H3	0.647
2	A:415:THR:HG21	G:1:NAG:H3	0.643
2	B:212:THR:CG2	L:12:FUC:O4	0.624
2	A:184:GLN:HA	D:11:SIA:C5	0.623
2	B:184:GLN:HA	L:11:SIA:C5	0.622
2	B:166:ASN:HB3	M:1:NAG:C1	0.621
2	A:166:ASN:HB3	E:1:NAG:C1	0.620
2	B:28:ARG:CG	B:28:ARG:HH11	0.614
2	A:28:ARG:CG	A:28:ARG:HH11	0.612
2	A:341:ASN:HB3	A:342:PRO:HD3	0.610
2	B:341:ASN:HB3	B:342:PRO:HD3	0.610
2	A:214:THR:CB	D:9:NAG:C6	0.596
2	B:214:THR:CB	L:9:NAG:C6	0.593
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:251:GLN:NE2	D:10:GAL:C2	0.588
2	B:251:GLN:NE2	L:10:GAL:C2	0.588
2	A:535:ILE:HB	J:12:FUC:C6	0.584
2	B:535:ILE:HB	R:12:FUC:C6	0.583
2	A:535:ILE:HB	J:12:FUC:H62	0.582
2	B:535:ILE:HB	R:12:FUC:H62	0.582
2	A:491:ARG:NE	I:1:NAG:C2	0.571

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:491:ARG:NE	Q:1:NAG:C2	0.571
2	A:391:ASN:HB3	A:393:GLN:HG3	0.560
2	B:391:ASN:HB3	B:393:GLN:HG3	0.560
2	B:212:THR:CG2	L:12:FUC:C4	0.559
2	A:512:GLU:OE2	I:10:GAL:O3	0.556
2	B:512:GLU:OE2	Q:10:GAL:O3	0.555
2	B:28:ARG:HG2	B:28:ARG:HH11	0.552
2	A:28:ARG:HG2	A:28:ARG:HH11	0.551
2	B:488:THR:HG22	B:491:ARG:NH2	0.548
2	A:488:THR:HG22	A:491:ARG:NH2	0.547
2	B:460:ASN:CB	P:1:NAG:O3	0.547
2	A:513:ALA:O	I:11:SIA:N	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	A:460:ASN:CB	H:1:NAG:O3	0.545
2	B:513:ALA:O	Q:11:SIA:N	0.543
2	A:431:THR:OG1	G:1:NAG:C	0.541
2	B:105:ARG:HG2	B:203:LEU:HB3	0.540
2	B:212:THR:CA	L:12:FUC:O3	0.539
2	A:359:THR:HG22	A:393:GLN:HG2	0.536
2	B:359:THR:HG22	B:393:GLN:HG2	0.536
2	B:184:GLN:CB	L:11:SIA:C5	0.529
2	A:184:GLN:CB	D:11:SIA:C5	0.527

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:184:GLN:CA	L:11:SIA:C5	0.521
2	A:184:GLN:CA	D:11:SIA:C5	0.520
2	A:159:PRO:CG	E:4:MAN:O4	0.514
2	B:159:PRO:CG	M:4:MAN:O4	0.514
2	A:512:GLU:HB3	I:11:SIA:N	0.509
2	A:214:THR:N	D:11:SIA:O7	0.506
2	B:214:THR:N	L:11:SIA:O7	0.506
2	B:512:GLU:HB3	Q:11:SIA:N	0.503
2	A:499:ASN:N	A:499:ASN:HD22	0.499
2	B:499:ASN:N	B:499:ASN:HD22	0.497
2	B:212:THR:CB	L:12:FUC:O4	0.484
2	A:415:THR:CG2	G:1:NAG:C2	0.483
2	B:415:THR:CG2	O:1:NAG:C2	0.483
2	A:251:GLN:NE2	D:10:GAL:H2	0.482
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	B:251:GLN:NE2	L:10:GAL:H2	0.478
2	A:423:ILE:HB	A:424:PRO:HD3	0.477
2	B:212:THR:HB	L:12:FUC:O4	0.476
2	B:415:THR:HG22	O:1:NAG:C2	0.465
2	A:415:THR:HG22	G:1:NAG:C2	0.461
2	A:528:PRO:HA	A:529:PRO:HD3	0.457

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:445:GLN:HG3	R:1:NAG:H4	0.456
2	B:528:PRO:HA	B:529:PRO:HD3	0.454
2	A:77:ARG:HH21	A:91:PRO:HB2	0.451
2	A:445:GLN:HG3	J:1:NAG:H4	0.448
2	A:341:ASN:CB	A:342:PRO:HD3	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:214:THR:CA	D:11:SIA:O7	0.440
2	B:214:THR:CA	L:11:SIA:O7	0.440
2	A:33:SER:HB3	A:83:ILE:HD12	0.439
2	B:212:THR:HG21	L:12:FUC: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	B:214:THR:HG21	L:9:NAG:O6	0.434
2	A:386:LYS:HD2	A:397:ILE:HD11	0.433
2	B:386:LYS:HD2	B:397:ILE:HD11	0.431
2	A:214:THR:HG21	D:9:NAG:O6	0.431
2	A:527:ASN:HA	A:528:PRO:C	0.427
2	B:527:ASN:HA	B:528:PRO:C	0.427
2	A:378:LEU:HD12	A:417:LEU:HG	0.421
2	B:378:LEU:HD12	B:417:LEU:HG	0.421
2	B:231:GLU:HA	B:328:THR:O	0.413
2	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
2	B:423:ILE:O	B:425:PRO:HD3	0.412
2	A:423:ILE:O	A:425:PRO:HD3	0.411
2	B:415:THR:HG22	O:1:NAG:N	0.407
2	A:415:THR:HG22	G:1:NAG:N	0.406
2	A:431:THR:OG1	G:1:NAG:C3	0.405
2	A:262:ARG:HH12	A:264:SER:HA	0.401
2	B:262:ARG:HH12	B:264:SER:HA	0.401
3	B:243:ASN:ND2	N:1:NAG:C1	1.499
3	A:243:ASN:ND2	F:1:NAG:C1	1.495
3	B:33:SER:HB2	K:1:NAG:CT	1.409
3	A:33:SER:HB2	C:1:NAG:CT	1.408
3	A:112:VAL:CB	D:1:NAG:CT	1.390
3	B:112:VAL:CB	L:1:NAG:CT	1.387
3	A:112:VAL:HG12	D:1:NAG:C	1.360
3	B:112:VAL:HG12	L:1:NAG:C	1.359
3	A:112:VAL:CG1	D:1:NAG:C	1.343
3	B:112:VAL:CG1	L:1:NAG:C	1.343
3	B:409:ASN:OD1	O:2:NAG:C5	1.332
3	A:409:ASN:OD1	G:2:NAG:C5	1.329
3	A:112:VAL:HG13	D:1:NAG:CT	1.117
3	B:112:VAL:HG13	L:1:NAG:CT	1.112
3	A:33:SER:CB	C:1:NAG:CT	1.102
3	B:33:SER:CB	K:1:NAG:CT	1.102

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:409:ASN:OD1	G:2:NAG:H5	1.070
3	B:409:ASN:OD1	O:2:NAG:H5	1.070
3	A:112:VAL:HB	D:1:NAG:O	1.056
3	B:112:VAL:HB	L:1:NAG:O	1.056
3	B:33:SER:N	K:1:NAG:CT	1.003
3	A:33:SER:N	C:1:NAG:CT	1.002
3	A:413:ASN:ND2	G:1:NAG:N	0.987
3	B:445:GLN:HG3	R:12:FUC:O2	0.956
3	A:445:GLN:HG3	J:12:FUC:O2	0.955
3	A:413:ASN:ND2	G:1:NAG:C1	0.942
3	A:243:ASN:ND2	F:1:NAG:O5	0.934
3	B:150:LEU:HD23	M:8:MAN:H62	0.933
3	B:409:ASN:OD1	O:2:NAG:C6	0.933
3	B:243:ASN:ND2	N:1:NAG:O5	0.933
3	A:409:ASN:OD1	G:2:NAG:C6	0.932
3	A:150:LEU:HD23	E:8:MAN:H62	0.931
3	A:163:THR:OG1	E:12:FUC:H63	0.930
3	A:461:SER:C	H:12:FUC:H4	0.911
3	A:150:LEU:HA	E:8:MAN:H4	0.908
3	B:532:ASN:OD1	R:1:NAG:C1	0.907
3	A:532:ASN:OD1	J:1:NAG:C1	0.906
3	B:150:LEU:HA	M:8:MAN:H4	0.905
3	B:530:LYS:H22	R:2:NAG:H61	0.905

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:240:ILE:O	N:12:FUC:O4	0.888
3	A:240:ILE:O	F:12:FUC:O4	0.887
3	A:112:VAL:HB	D:1:NAG:C	0.884
3	B:112:VAL:HB	L:1:NAG:C	0.884
3	B:112:VAL:CB	L:1:NAG:C	0.873
3	A:112:VAL:CG1	D:1:NAG:CT	0.872
3	B:112:VAL:CG1	L:1:NAG:CT	0.872
3	A:112:VAL:CB	D:1:NAG:C	0.869
3	A:530:LYS:NZ	J:2:NAG:H61	0.840
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:CG	J:12:FUC:O2	0.817
3	B:445:GLN:CG	R:12:FUC:O2	0.817
3	B:530:LYS:NZ	R:2:NAG:H61	0.815
3	B:112:VAL:CB	L:1:NAG:O	0.812
3	A:112:VAL:CB	D:1:NAG:O	0.811
3	A:530:LYS:HZ1	J:2:NAG:C6	0.810
3	A:112:VAL:HG11	D:1:NAG:CT	0.797
3	B:112:VAL:HG11	L:1:NAG:CT	0.797
3	B:530:LYS:NZ	R:2:NAG:C6	0.786
3	A:530:LYS:NZ	J:2:NAG:C6	0.784
3	A:499:ASN:H	A:499:ASN:HD22	0.765
3	B:499:ASN:HD21	B:502:PHE:HB2	0.764

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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	B:408:LYS:HG3	O:8:MAN:H62	0.753
3	A:408:LYS:HG3	G:8:MAN:H62	0.752
3	A:463:ASN:HD22	H:1:NAG:C1	0.752
3	B:463:ASN:HD22	P:1:NAG:C1	0.750
3	A:114:ASN:ND2	D:1:NAG:C1	0.746
3	A:112:VAL:HB	D:1:NAG:CT	0.746
3	B:114:ASN:ND2	L:1:NAG:C1	0.745
3	A:445:GLN:HG3	J:12:FUC:HO2	0.744
3	B:112:VAL:HB	L:1:NAG:CT	0.744
3	B:532:ASN:CG	R:1:NAG:C1	0.742
3	A:532:ASN:CG	J:1:NAG:C1	0.740
3	B:445:GLN:HG3	R:12:FUC:HO2	0.736
3	A:150:LEU:CA	E:8:MAN:H4	0.712
3	B:150:LEU:CA	M:8:MAN:H4	0.710
3	A:150:LEU:HD23	E:8:MAN:C6	0.708
3	B:150:LEU:HD23	M:8:MAN:C6	0.708
3	A:163:THR:OG1	E:12:FUC:C6	0.693
3	A:498:LEU:HB2	A:502:PHE:O	0.691
3	B:498:LEU:HB2	B:502:PHE:O	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:33:SER:CA	C:1:NAG:CT	0.680
3	B:33:SER:CA	K:1:NAG:CT	0.680
3	A:33:SER:H	C:1:NAG:CT	0.679
3	B:33:SER:H	K:1:NAG:CT	0.676
3	B:499:ASN:N	B:499:ASN:ND2	0.675
3	A:499:ASN:N	A:499:ASN:ND2	0.674
3	A:491:ARG:NH1	I:12:FUC:O4	0.673
3	A:499:ASN:H	A:499:ASN:ND2	0.671
3	B:499:ASN:H	B:499:ASN:ND2	0.669
3	B:491:ARG:NH1	Q:12:FUC:O4	0.668
3	B:441:ASP:HB3	R:4:MAN:O6	0.663
3	A:530:LYS:HZ2	J:2:NAG:H61	0.663
3	A:463:ASN:ND2	H:1:NAG:C1	0.662
3	B:463:ASN:ND2	P:1:NAG:C1	0.662
3	A:445:GLN:CD	J:12:FUC:O2	0.652
3	B:445:GLN:CD	R:12:FUC:O2	0.651
3	A:409:ASN:CB	G:1:NAG:O3	0.641
3	B:409:ASN:CB	O:1:NAG:O3	0.640
3	B:530:LYS:HZ1	R:2:NAG:C6	0.630
3	A:112:VAL:HG12	D:1:NAG:CT	0.620
3	B:441:ASP:O	R:2:NAG:H5	0.618
3	B:112:VAL:HG12	L:1:NAG:CT	0.616
3	B:28:ARG:CG	B:28:ARG:HH11	0.614

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:409:ASN:HD22	A:410:ASN:H	0.592
3	A:463:ASN:ND2	H:1:NAG:O5	0.592
3	B:463:ASN:ND2	P:1:NAG:O5	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:C	E:12:FUC:O2	0.572
3	B:148:ARG:C	M:12:FUC:O2	0.572
3	B:112:VAL:O	L:1:NAG:O	0.569
3	A:112:VAL:O	D:1:NAG:O	0.568
3	A:148:ARG:HB2	E:1:NAG:H61	0.564
3	B:148:ARG:HB2	M:1:NAG:H61	0.564
3	A:391:ASN:HB3	A:393:GLN:HG3	0.560
3	B:391:ASN:HB3	B:393:GLN:HG3	0.560
3	A:413:ASN:ND2	G:1:NAG:C2	0.555
3	A:408:LYS:CG	G:8:MAN:H62	0.554
3	B:150:LEU:HA	M:8:MAN:C4	0.554
3	B:408:LYS:CG	O:8:MAN:H62	0.554
3	B:28:ARG:HG2	B:28:ARG:HH11	0.552
3	A:28:ARG:HG2	A:28:ARG:HH11	0.551
3	A:150:LEU:HA	E:8:MAN:C4	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:488:THR:HG22	B:491:ARG:NH2	0.548
3	A:488:THR:HG22	A:491:ARG:NH2	0.547
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	A:530:LYS:HZ1	J:2:NAG:H61	0.532
3	B:441:ASP:CB	R:4:MAN:O6	0.526
3	B:409:ASN:HB2	O:1:NAG:O3	0.525
3	A:409:ASN:HB2	G:1:NAG:O3	0.524
3	A:499:ASN:N	A:499:ASN:HD22	0.499
3	B:499:ASN:N	B:499:ASN:HD22	0.497
3	A:240:ILE:C	F:12:FUC:HO4	0.486
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:240:ILE:C	N:12:FUC:HO4	0.471
3	A:409:ASN:HB3	G:1:NAG:O3	0.462
3	B:409:ASN:HB3	O:1:NAG:O3	0.461
3	A:528:PRO:HA	A:529:PRO:HD3	0.457
3	B:528:PRO:HA	B:529:PRO:HD3	0.454

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	A:77:ARG:HH21	A:91:PRO:HB2	0.451
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	A:33:SER:HB3	A:83:ILE:HD12	0.439
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	A:378:LEU:HD12	A:417:LEU:HG	0.421
3	B:378:LEU:HD12	B:417:LEU:HG	0.421
3	B:491:ARG:HD2	Q:12:FUC:C2	0.419
3	A:413:ASN:CG	G:1:NAG:C1	0.415
3	A:240:ILE:HB	F:12:FUC:H2	0.414
3	B:231:GLU:HA	B:328:THR:O	0.413
3	A:231:GLU:HA	A:328:THR:O	0.412
3	B:423:ILE:O	B:425:PRO:HD3	0.412
3	A:423:ILE:O	A:425:PRO:HD3	0.411
3	A:491:ARG:HD2	I:12:FUC:C2	0.411
3	B:240:ILE:HB	N:12:FUC:H2	0.409
3	A:262:ARG:HH12	A:264:SER:HA	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
3	B:114:ASN:CG	L:1:NAG:C1	0.401
3	B:262:ARG:HH12	B:264:SER:HA	0.401
3	A:114:ASN:CG	D:1:NAG:C1	0.400
4	A:148:ARG:CB	E:1:NAG:H3	1.613
4	B:148:ARG:CB	M:1:NAG:H3	1.607
4	A:148:ARG:HB3	E:1:NAG:C5	1.584
4	B:148:ARG:HB3	M:1:NAG:C5	1.582
4	A:148:ARG:HB2	E:1:NAG:C3	1.579
4	B:148:ARG:HB2	M:1:NAG:C3	1.571
4	B:148:ARG:CB	M:1:NAG:C3	1.488
4	A:148:ARG:CB	E:1:NAG:C3	1.485
4	A:148:ARG:CB	E:1:NAG:C4	1.445
4	B:148:ARG:CB	M:1:NAG:C4	1.445
4	A:148:ARG:CA	E:1:NAG:H3	1.394
4	B:148:ARG:CA	M:1:NAG:H3	1.394
4	B:415:THR:OG1	O:12:FUC:H4	1.374
4	A:415:THR:OG1	G:12:FUC:H4	1.370
4	A:148:ARG:HB2	E:1:NAG:C4	1.318
4	B:148:ARG:HB2	M:1:NAG:C4	1.318
4	B:243:ASN:OD1	N:1:NAG:C1	1.305
4	A:243:ASN:OD1	F:1:NAG:C1	1.304
4	A:148:ARG:CB	E:1:NAG:H5	1.303
4	B:148:ARG:CB	M:1:NAG:H5	1.300

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:280:SER:OG	F:12:FUC:C2	1.293
4	B:280:SER:OG	N:12:FUC:C2	1.291
4	B:280:SER:OG	N:12:FUC:C3	1.273
4	A:280:SER:OG	F:12:FUC:C3	1.272
4	A:148:ARG:CB	E:1:NAG:C5	1.240
4	B:280:SER:CB	N:12:FUC:C2	1.235
4	A:280:SER:CB	F:12:FUC:C2	1.234
4	B:148:ARG:CB	M:1:NAG:C5	1.234
4	A:243:ASN:CG	F:1:NAG:C1	1.213
4	B:243:ASN:CG	N:1:NAG:C1	1.212
4	B:280:SER:CB	N:12:FUC:H2	1.198
4	A:280:SER:CB	F:12:FUC:H2	1.197
4	A:148:ARG:NE	E:1:NAG:H62	1.197
4	B:148:ARG:NE	M:1:NAG:H62	1.195
4	B:112:VAL:O	L:12:FUC:H4	1.192
4	A:280:SER:OG	F:12:FUC:H2	1.189
4	A:112:VAL:O	D:12:FUC:H4	1.187
4	B:280:SER:OG	N:12:FUC:H2	1.182
4	B:441:ASP:O	R:2:NAG:CT	1.177
4	B:112:VAL:C	L:12:FUC:H4	1.167
4	A:148:ARG:N	E:12:FUC:H61	1.167
4	B:148:ARG:N	M:12:FUC:H61	1.167
4	A:112:VAL:C	D:12:FUC:H4	1.166

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:189:ILE:CG2	E:11:SIA:H92	1.161
4	B:189:ILE:CG2	M:11:SIA:H92	1.160
4	B:378:LEU:HD22	O:12:FUC:O4	1.148
4	A:378:LEU:HD22	G:12:FUC:O4	1.143
4	B:189:ILE:HG23	M:11:SIA:C9	1.123
4	A:189:ILE:HG23	E:11:SIA:C9	1.122
4	B:277:ASP:HB3	N:12:FUC:O4	1.116
4	A:277:ASP:HB3	F:12:FUC:O4	1.115
4	A:277:ASP:CB	F:12:FUC:O4	1.109
4	B:277:ASP:CB	N:12:FUC:O4	1.107
4	B:148:ARG:HB3	M:1:NAG:C4	1.100
4	A:148:ARG:HB3	E:1:NAG:C4	1.099
4	A:415:THR:HG21	G:12:FUC:H5	1.076
4	B:415:THR:HG21	O:12:FUC:H5	1.076
4	A:148:ARG:HD2	E:1:NAG:H5	1.062
4	B:148:ARG:HD2	M:1:NAG:H5	1.056
4	B:148:ARG:HD2	M:1:NAG:C5	1.039
4	A:148:ARG:HD2	E:1:NAG:C5	1.038
4	B:415:THR:OG1	O:12:FUC:C4	1.037
4	A:415:THR:OG1	G:12:FUC:C4	1.035
4	B:499:ASN:O	P:10:GAL:H61	1.022
4	A:499:ASN:O	H:10:GAL:H61	1.021
4	B:148:ARG:CD	M:1:NAG:H5	1.020

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:148:ARG:CD	E:1:NAG:H5	1.019
4	B:148:ARG:NE	M:1:NAG:O4	1.019
4	A:148:ARG:NE	E:1:NAG:O4	1.018
4	A:243:ASN:ND2	F:1:NAG:C1	1.015
4	B:243:ASN:ND2	N:1:NAG:C1	1.014
4	A:150:LEU:HD13	E:9:NAG:O5	1.010
4	B:150:LEU:HD13	M:9:NAG:O5	1.010
4	B:148:ARG:HD2	M:1:NAG:C6	1.004
4	A:148:ARG:HD2	E:1:NAG:C6	1.002
4	B:112:VAL:CB	L:12:FUC:O4	0.989
4	A:112:VAL:CB	D:12:FUC:O4	0.985
4	B:491:ARG:HB3	Q:12:FUC:O2	0.981
4	A:491:ARG:HB3	I:12:FUC:O2	0.980
4	A:112:VAL:HB	D:12:FUC:O4	0.978
4	A:415:THR:CB	G:12:FUC:H4	0.978
4	B:415:THR:CB	O:12:FUC:H4	0.977
4	B:112:VAL:HB	L:12:FUC:O4	0.970
4	A:189:ILE:HA	E:11:SIA:O8	0.969
4	B:189:ILE:HA	M:11:SIA:O8	0.967
4	B:148:ARG:HA	M:1:NAG:H3	0.954
4	A:148:ARG:HA	E:1:NAG:H3	0.952
4	A:415:THR:HG21	G:12:FUC:C5	0.950
4	B:415:THR:HG21	O:12:FUC:C5	0.948

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:148:ARG:CD	E:1:NAG:C5	0.946
4	B:148:ARG:CD	M:1:NAG:C5	0.944
4	A:148:ARG:HE	E:1:NAG:H62	0.934
4	B:148:ARG:HE	M:1:NAG:H62	0.929
4	B:280:SER:OG	N:12:FUC:O4	0.928
4	A:280:SER:OG	F:12:FUC:O4	0.926
4	A:148:ARG:HA	E:1:NAG:N	0.908
4	B:148:ARG:HA	M:1:NAG:N	0.907
4	A:502:PHE:HE2	H:2:NAG:CT	0.906
4	B:112:VAL:O	L:12:FUC:C4	0.906
4	A:112:VAL:O	D:12:FUC:C4	0.905
4	A:491:ARG:CB	I:12:FUC:O2	0.903
4	B:280:SER:HB3	N:12:FUC:C2	0.903
4	B:502:PHE:HE2	P:2:NAG:CT	0.903
4	B:491:ARG:CB	Q:12:FUC:O2	0.902
4	A:280:SER:HB3	F:12:FUC:C2	0.900
4	A:280:SER:HG	F:12:FUC:C3	0.895
4	B:280:SER:HG	N:12:FUC:C3	0.891
4	A:280:SER:CB	F:12:FUC:O2	0.884
4	A:148:ARG:CG	E:1:NAG:H5	0.884
4	B:148:ARG:CG	M:1:NAG:H5	0.884
4	A:150:LEU:HD11	E:8:MAN:O3	0.881
4	B:150:LEU:CD1	M:8:MAN:O3	0.881

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:280:SER:CB	N:12:FUC:O2	0.881
4	A:148:ARG:CB	E:1:NAG:O4	0.880
4	A:150:LEU:CD1	E:8:MAN:O3	0.880
4	A:502:PHE:CE2	H:2:NAG:CT	0.879
4	B:148:ARG:CB	M:1:NAG:O4	0.879
4	B:150:LEU:HD11	M:8:MAN:O3	0.879
4	B:502:PHE:CE2	P:2:NAG:CT	0.877
4	A:148:ARG:CD	E:1:NAG:H62	0.876
4	B:148:ARG:CD	M:1:NAG:H62	0.876
4	B:280:SER:HB3	N:12:FUC:H2	0.871
4	A:280:SER:HB3	F:12:FUC:H2	0.867
4	A:378:LEU:CD2	G:12:FUC:O4	0.861
4	B:378:LEU:CD2	O:12:FUC:O4	0.860
4	B:148:ARG:CD	M:1:NAG:C6	0.859
4	A:148:ARG:CD	E:1:NAG:C6	0.858
4	A:277:ASP:HB2	F:12:FUC:H63	0.837
4	A:501:ASP:OD2	A:502:PHE:HD2	0.837
4	B:277:ASP:HB2	N:12:FUC:H63	0.836
4	B:501:ASP:OD2	B:502:PHE:HD2	0.835
4	A:280:SER:OG	F:12:FUC:C4	0.835
4	B:280:SER:OG	N:12:FUC:C4	0.835
4	B:148:ARG:HA	M:1:NAG:C2	0.828
4	A:148:ARG:HA	E:1:NAG:C2	0.827

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:502:PHE:CD1	H:1:NAG:H5	0.821
4	B:502:PHE:CD1	P:1:NAG:H5	0.821
4	A:148:ARG:N	E:12:FUC:C6	0.820
4	B:148:ARG:NE	M:1:NAG:C6	0.819
4	A:148:ARG:CG	E:1:NAG:O4	0.818
4	B:148:ARG:HD2	M:12:FUC:O5	0.818
4	A:148:ARG:NE	E:1:NAG:C6	0.818
4	A:148:ARG:HD2	E:12:FUC:O5	0.817
4	B:148:ARG:CG	M:1:NAG:O4	0.817
4	B:148:ARG:N	M:12:FUC:C6	0.814
4	B:499:ASN:O	P:10:GAL:C6	0.808
4	A:280:SER:HB3	F:12:FUC:O2	0.806
4	A:499:ASN:O	H:10:GAL:C6	0.806
4	B:280:SER:HB3	N:12:FUC:O2	0.803
4	B:280:SER:OG	N:12:FUC:O3	0.800
4	A:280:SER:OG	F:12:FUC:O3	0.799
4	A:148:ARG:HB3	E:1:NAG:C1	0.798
4	A:163:THR:C	E:1:NAG:CT	0.797
4	B:148:ARG:HB3	M:1:NAG:C1	0.797
4	B:148:ARG:HB3	M:1:NAG:H5	0.794
4	A:148:ARG:HB3	E:1:NAG:H5	0.792
4	A:148:ARG:HA	E:1:NAG:C3	0.790
4	A:148:ARG:HB2	E:1:NAG:O4	0.789

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:148:ARG:HA	M:1:NAG:C3	0.788
4	B:148:ARG:HB2	M:1:NAG:O4	0.785
4	B:280:SER:CB	N:12:FUC:O3	0.783
4	A:280:SER:CB	F:12:FUC:O3	0.782
4	B:441:ASP:HB2	R:2:NAG:CT	0.780
4	A:112:VAL:C	D:12:FUC:C4	0.778
4	B:112:VAL:C	L:12:FUC:C4	0.778
4	A:243:ASN:HD21	F:1:NAG:C1	0.768
4	B:243:ASN:HD21	N:1:NAG:C1	0.767
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:502:PHE:CD1	H:1:NAG:C5	0.749
4	A:148:ARG:HD2	E:12:FUC:C1	0.748
4	B:148:ARG:HD2	M:12:FUC:C1	0.748
4	B:502:PHE:CD1	P:1:NAG:C5	0.748
4	A:379:SER:O	G:12:FUC:O3	0.727
4	A:148:ARG:CA	E:1:NAG:C3	0.726
4	B:379:SER:O	O:12:FUC:O3	0.726
4	A:148:ARG:CD	E:1:NAG:O4	0.725

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:148:ARG:CD	M:1:NAG:O4	0.725
4	A:280:SER:HB2	F:12:FUC:O3	0.723
4	B:280:SER:HB2	N:12:FUC:O3	0.721
4	B:148:ARG:HE	M:1:NAG:C6	0.700
4	A:148:ARG:HE	E:1:NAG:C6	0.699
4	B:460:ASN:OD1	P:1:NAG:CT	0.692
4	A:498:LEU:HB2	A:502:PHE:O	0.691
4	A:460:ASN:OD1	H:1:NAG:CT	0.691
4	B:498:LEU:HB2	B:502:PHE:O	0.690
4	A:191:GLN:O	E:12:FUC:H63	0.683
4	B:280:SER:CB	N:12:FUC:C3	0.678
4	A:148:ARG:HE	E:2:NAG:C1	0.677
4	B:148:ARG:HE	M:2:NAG:C1	0.677
4	B:189:ILE:CA	M:11:SIA:O8	0.676
4	A:189:ILE:CA	E:11:SIA:O8	0.675
4	B:499:ASN:N	B:499:ASN:ND2	0.675
4	A:280:SER:CB	F:12:FUC:C3	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	A:415:THR:CG2	G:12:FUC:H4	0.664
4	B:148:ARG:HB2	M:1:NAG:H3	0.664
4	B:415:THR:CG2	O:12:FUC:H4	0.664

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:148:ARG:HB2	E:1:NAG:H3	0.658
4	B:280:SER:HG	N:12:FUC:C4	0.657
4	A:280:SER:HG	F:12:FUC:C4	0.656
4	B:148:ARG:CD	M:12:FUC:O5	0.647
4	A:148:ARG:CD	E:12:FUC:O5	0.646
4	A:189:ILE:HG23	E:11:SIA:H92	0.644
4	B:189:ILE:HG23	M:11:SIA:H92	0.643
4	A:148:ARG:NE	E:2:NAG:C1	0.642
4	A:277:ASP:CG	F:12:FUC:O4	0.635
4	B:277:ASP:CG	N:12:FUC:O4	0.635
4	A:112:VAL:HB	D:12:FUC:HO4	0.619
4	B:28:ARG:CG	B:28:ARG:HH11	0.614
4	A:148:ARG:CB	E:1:NAG:C2	0.613
4	A:111:GLN:OE1	E:11:SIA:O12	0.613
4	B:280:SER:HB2	N:12:FUC:O2	0.613
4	A:28:ARG:CG	A:28:ARG:HH11	0.612
4	B:111:GLN:OE1	M:11:SIA:O12	0.612
4	A:415:THR:HG21	G:12:FUC:C4	0.611
4	A:502:PHE:CE1	H:12:FUC:C3	0.611
4	B:148:ARG:CB	M:1:NAG:C2	0.611
4	A:280:SER:HB2	F:12:FUC:O2	0.611
4	A:341:ASN:HB3	A:342:PRO:HD3	0.610
4	B:341:ASN:HB3	B:342:PRO:HD3	0.610

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:415:THR:HG21	O:12:FUC:C4	0.609
4	B:502:PHE:CE1	P:12:FUC:C3	0.607
4	B:148:ARG:CA	M:1:NAG:C3	0.595
4	B:379:SER:OG	O:12:FUC:C2	0.594
4	A:112:VAL:CA	D:12:FUC:O4	0.593
4	B:112:VAL:CA	L:12:FUC:O4	0.593
4	A:379:SER:OG	G:12:FUC:C2	0.593
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	A:415:THR:CG2	G:12:FUC:C4	0.579
4	B:148:ARG:CB	M:1:NAG:C1	0.578
4	B:415:THR:CG2	O:12:FUC:C4	0.578
4	A:148:ARG:CB	E:1:NAG:C1	0.577
4	B:189:ILE:HD12	M:10:GAL:O2	0.576
4	A:189:ILE:HD12	E:10:GAL:O2	0.575
4	A:502:PHE:CG	H:1:NAG:H5	0.567
4	B:502:PHE:CG	P:1:NAG:H5	0.566
4	A:31:ASN:HB3	C:1:NAG:C1	0.562
4	A:277:ASP:CG	F:12:FUC:HO4	0.561
4	B:31:ASN:HB3	K:1:NAG:C1	0.561
4	A:391:ASN:HB3	A:393:GLN:HG3	0.560
4	B:277:ASP:CG	N:12:FUC:HO4	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:391:ASN:HB3	B:393:GLN:HG3	0.560
4	A:530:LYS:HD3	J:1:NAG:H4	0.555
4	B:530:LYS:HD3	R:1:NAG:H4	0.555
4	B:28:ARG:HG2	B:28:ARG:HH11	0.552
4	A:28:ARG:HG2	A:28:ARG:HH11	0.551
4	A:498:LEU:HD21	H:1:NAG:N	0.550
4	A:502:PHE:CE2	H:2:NAG:C	0.550
4	B:277:ASP:CB	N:12:FUC:HO4	0.550
4	B:498:LEU:HD21	P:1:NAG:N	0.550
4	B:502:PHE:CE2	P:2:NAG:C	0.550
4	B:243:ASN:ND2	N:1:NAG:O5	0.550
4	A:243:ASN:ND2	F:1:NAG:O5	0.548
4	A:277:ASP:CB	F:12:FUC:HO4	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	A:415:THR:CG2	G:12:FUC:H5	0.543
4	B:415:THR:CG2	O:12:FUC:H5	0.542
4	A:148:ARG:CD	E:12:FUC:C1	0.541
4	B:148:ARG:CD	M:12:FUC:C1	0.541
4	B:105:ARG:HG2	B:203:LEU:HB3	0.540
4	A:240:ILE:HD13	F:1:NAG:N	0.536
4	A:359:THR:HG22	A:393:GLN:HG2	0.536
4	B:240:ILE:HD13	N:1:NAG:N	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:359:THR:HG22	B:393:GLN:HG2	0.536
4	B:277:ASP:HB3	N:12:FUC:HO4	0.532
4	B:148:ARG:CA	M:1:NAG:C1	0.528
4	A:148:ARG:CA	E:1:NAG:C1	0.527
4	A:277:ASP:HB3	F:12:FUC:HO4	0.527
4	A:378:LEU:HD22	G:12:FUC:C4	0.521
4	B:378:LEU:HD22	O:12:FUC:C4	0.520
4	A:148:ARG:CG	E:1:NAG:C5	0.520
4	A:243:ASN:HD21	F:1:NAG:C2	0.520
4	B:415:THR:OG1	O:12:FUC:C3	0.520
4	B:148:ARG:CG	M:1:NAG:C5	0.519
4	B:243:ASN:HD21	N:1:NAG:C2	0.519
4	A:415:THR:OG1	G:12:FUC:C3	0.519
4	B:30:LYS:O	K:1:NAG:N	0.510
4	A:30:LYS:O	C:1:NAG:N	0.509
4	A:379:SER:OG	G:12:FUC:O2	0.503
4	A:191:GLN:O	E:12:FUC:C6	0.501
4	A:499:ASN:N	A:499:ASN:HD22	0.499
4	B:379:SER:OG	O:12:FUC:O2	0.499
4	B:499:ASN:N	B:499:ASN:HD22	0.497
4	A:498:LEU:CD2	H:1:NAG:N	0.485
4	B:498:LEU:CD2	P:1:NAG:N	0.485
4	B:148:ARG:HA	M:1:NAG:C1	0.484

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:148:ARG:HA	E:1:NAG:C1	0.482
4	B:28:ARG:CG	B:28:ARG:NH1	0.479
4	B:423:ILE:HB	B:424:PRO:HD3	0.479
4	A:28:ARG:CG	A:28:ARG:NH1	0.478
4	A:148:ARG:HB3	E:1:NAG:C3	0.477
4	A:423:ILE:HB	A:424:PRO:HD3	0.477
4	B:379:SER:CB	O:12:FUC:O4	0.475
4	A:379:SER:CB	G:12:FUC:O4	0.474
4	B:148:ARG:HB3	M:1:NAG:C3	0.471
4	A:148:ARG:C	E:1:NAG:H3	0.468
4	A:280:SER:HB2	F:12:FUC:C2	0.467
4	B:148:ARG:C	M:1:NAG:H3	0.465
4	B:280:SER:HB2	N:12:FUC:C2	0.461
4	A:30:LYS:O	C:1:NAG:C	0.460
4	B:30:LYS:O	K:1:NAG:C	0.459
4	A:240:ILE:HD13	F:1:NAG:H3	0.458
4	A:528:PRO:HA	A:529:PRO:HD3	0.457
4	B:240:ILE:HD13	N:1:NAG:H3	0.457
4	A:488:THR:HB	I:12:FUC:H3	0.454
4	B:528:PRO:HA	B:529:PRO:HD3	0.454
4	A:77:ARG:HH21	A:91:PRO:HB2	0.451
4	B:379:SER:HB3	O:12:FUC:O4	0.448
4	A:379:SER:HB3	G:12:FUC:O4	0.447

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	B:488:THR:HB	Q:12:FUC:H3	0.446
4	A:187:THR:CG2	E:11:SIA:CT	0.443
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:148:ARG:HB3	E:1:NAG:C2	0.436
4	B:148:ARG:HB3	M:1:NAG:C2	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:277:ASP:OD1	N:12:FUC:O5	0.434
4	A:386:LYS:HD2	A:397:ILE:HD11	0.433
4	A:277:ASP:OD1	F:12:FUC:O5	0.433
4	B:277:ASP:HB2	N:12:FUC:O4	0.433
4	A:112:VAL:N	D:12:FUC:O4	0.432
4	B:386:LYS:HD2	B:397:ILE:HD11	0.431
4	B:112:VAL:N	L:12:FUC:O4	0.431
4	A:277:ASP:HB2	F:12:FUC:O4	0.428
4	A:527:ASN:HA	A:528:PRO:C	0.427
4	B:527:ASN:HA	B:528:PRO:C	0.427
4	A:378:LEU:HD12	A:417:LEU:HG	0.421
4	B:378:LEU:HD12	B:417:LEU:HG	0.421
4	B:243:ASN:OD1	N:1:NAG:C2	0.418

Model ID	Atom-1	Atom-2	Clash overlap (Å)
4	A:243:ASN:OD1	F:1:NAG:C2	0.414
4	B:231:GLU:HA	B:328:THR:O	0.413
4	A:231:GLU:HA	A:328:THR:O	0.412
4	B:423:ILE:O	B:425:PRO:HD3	0.412
4	A:163:THR:CA	E:1:NAG:CT	0.411
4	A:423:ILE:O	A:425:PRO:HD3	0.411
4	A:148:ARG:HG3	E:1:NAG:O4	0.405
4	A:262:ARG:HH12	A:264:SER:HA	0.401
4	B:262:ARG:HH12	B:264:SER:HA	0.401
4	B:148:ARG:HG3	M:1:NAG:O4	0.401
5	B:498:LEU:CB	P:12:FUC:O4	1.332
5	A:498:LEU:CB	H:12:FUC:O4	1.330
5	A:498:LEU:HB2	H:12:FUC:O4	1.265
5	B:498:LEU:HB2	P:12:FUC:O4	1.264
5	A:413:ASN:CG	G:1:NAG:C1	1.239
5	A:413:ASN:ND2	G:1:NAG:C1	1.211
5	A:413:ASN:OD1	G:1:NAG:C1	1.145
5	B:498:LEU:CB	P:12:FUC:HO4	1.143
5	A:498:LEU:CB	H:12:FUC:HO4	1.113
5	B:488:THR:HG22	Q:12:FUC:H4	1.010
5	A:488:THR:HG22	I:12:FUC:H4	1.005
5	B:144:MET:HE2	M:12:FUC:O4	0.999
5	A:498:LEU:HB3	H:12:FUC:O4	0.995

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	A:491:ARG:CB	I:12:FUC:O3	0.993
5	B:498:LEU:HB3	P:12:FUC:O4	0.993
5	B:491:ARG:CB	Q:12:FUC:O3	0.992
5	B:114:ASN:HD22	L:1:NAG:C1	0.931
5	A:114:ASN:HD22	D:1:NAG:C1	0.930
5	A:413:ASN:HD21	G:1:NAG:C1	0.929
5	A:222:GLU:OE1	F:11:SIA:N	0.927
5	B:224:THR:OG1	N:12:FUC:H2	0.899
5	B:491:ARG:HB3	Q:12:FUC:O3	0.898
5	A:224:THR:OG1	F:12:FUC:H2	0.897
5	A:491:ARG:HB3	I:12:FUC:O3	0.896
5	A:413:ASN:HD21	G:1:NAG:C2	0.874
5	B:196:GLU:OE2	M:12:FUC:O4	0.864
5	A:196:GLU:OE2	E:12:FUC:O4	0.862
5	A:247:THR:HG1	F:11:SIA:HO7	0.850
5	A:501:ASP:OD2	A:502:PHE:HD2	0.837
5	B:501:ASP:OD2	B:502:PHE:HD2	0.835
5	A:409:ASN:HB3	G:1:NAG:O	0.834
5	B:409:ASN:HB3	O:1:NAG:O	0.832
5	A:249:LYS:CD	F:11:SIA:O4	0.825
5	B:249:LYS:CD	N:11:SIA:O4	0.823
5	A:498:LEU:HB2	H:12:FUC:HO4	0.815
5	B:498:LEU:HB2	P:12:FUC:HO4	0.813

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:532:ASN:OD1	R:1:NAG:C1	0.805
5	A:532:ASN:OD1	J:1:NAG:C1	0.804
5	B:491:ARG:HB2	Q:12:FUC:O3	0.794
5	A:491:ARG:HB2	I:12:FUC:O3	0.791
5	A:499:ASN:H	A:499:ASN:HD22	0.765
5	B:499:ASN:HD21	B:502:PHE:HB2	0.764
5	A:499:ASN:HD21	A:502:PHE:HB2	0.763
5	B:499:ASN:H	B:499:ASN:HD22	0.762
5	A:501:ASP:OD2	A:502:PHE:CD2	0.756
5	B:501:ASP:OD2	B:502:PHE:CD2	0.754
5	B:488:THR:HA	Q:12:FUC:C3	0.746
5	A:488:THR:HA	I:12:FUC:C3	0.745
5	A:114:ASN:ND2	D:1:NAG:N	0.743
5	B:114:ASN:ND2	L:1:NAG:N	0.743
5	B:502:PHE:O	P:12:FUC:O4	0.707
5	A:502:PHE:O	H:12:FUC:O4	0.705
5	B:144:MET:CE	M:12:FUC:O4	0.699
5	A:196:GLU:CD	E:12:FUC:HO4	0.699
5	A:491:ARG:HB3	I:12:FUC:C3	0.694
5	B:491:ARG:HB3	Q:12:FUC:C3	0.693
5	B:249:LYS:HD2	N:11:SIA:O4	0.692
5	A:498:LEU:HB2	A:502:PHE:O	0.691
5	A:249:LYS:HD2	F:11:SIA:O4	0.690

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:498:LEU:HB2	B:502:PHE:O	0.690
5	B:196:GLU:OE1	M:2:NAG:CT	0.690
5	A:114:ASN:ND2	D:1:NAG:C1	0.689
5	A:196:GLU:OE1	E:2:NAG:CT	0.689
5	B:114:ASN:ND2	L:1:NAG:C1	0.689
5	A:488:THR:HA	I:12:FUC:O3	0.679
5	B:488:THR:HA	Q:12:FUC:O3	0.678
5	A:491:ARG:CB	I:12:FUC:C3	0.675
5	B:491:ARG:CB	Q:12:FUC:C3	0.675
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	B:167:GLU:CD	M:12:FUC:O2	0.660
5	A:167:GLU:CD	E:12:FUC:O2	0.658
5	A:488:THR:CG2	I:12:FUC:H4	0.649
5	B:488:THR:CG2	Q:12:FUC:H4	0.647
5	A:413:ASN:ND2	G:1:NAG:C2	0.639
5	A:498:LEU:HD21	H:1:NAG:H5	0.637
5	B:498:LEU:HD21	P:1:NAG:H5	0.635
5	A:114:ASN:HD22	D:1:NAG:C2	0.634
5	B:114:ASN:HD22	L:1:NAG:C2	0.634
5	A:167:GLU:OE2	E:12:FUC:O2	0.623

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:167:GLU:OE2	M:12:FUC:O2	0.622
5	A:413:ASN:ND2	G:1:NAG:N	0.617
5	B:28:ARG:CG	B:28:ARG:HH11	0.614
5	A:28:ARG:CG	A:28:ARG:HH11	0.612
5	A:341:ASN:HB3	A:342:PRO:HD3	0.610
5	B:341:ASN:HB3	B:342:PRO:HD3	0.610
5	A:498:LEU:CB	H:12:FUC:C4	0.597
5	B:498:LEU:CB	P:12:FUC:C4	0.594
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:166:ASN:ND2	E:1:NAG:C1	0.565
5	B:166:ASN:ND2	M:1:NAG:C1	0.565
5	A:391:ASN:HB3	A:393:GLN:HG3	0.560
5	B:391:ASN:HB3	B:393:GLN:HG3	0.560
5	B:224:THR:OG1	N:12:FUC:C2	0.553
5	B:28:ARG:HG2	B:28:ARG:HH11	0.552
5	A:28:ARG:HG2	A:28:ARG:HH11	0.551
5	A:224:THR:OG1	F:12:FUC:C2	0.551
5	A:109:LEU:H	A:109:LEU:HD12	0.545
5	B:109:LEU:H	B:109:LEU:HD12	0.545
5	A:488:THR:HG22	A:491:ARG:NH2	0.541
5	B:105:ARG:HG2	B:203:LEU:HB3	0.540

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:488:THR:HG22	B:491:ARG:NH2	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:502:PHE:C	H:12:FUC:O4	0.504
5	B:502:PHE:C	P:12:FUC:O4	0.504
5	A:222:GLU:HG3	F:11:SIA:CT	0.500
5	A:499:ASN:N	A:499:ASN:HD22	0.499
5	B:499:ASN:N	B:499:ASN:HD22	0.497
5	B:114:ASN:ND2	L:1:NAG:C2	0.486
5	A:114:ASN:ND2	D:1:NAG:C2	0.483
5	B:144:MET:HB3	M:12:FUC:H4	0.480
5	B:28:ARG:CG	B:28:ARG:NH1	0.479
5	B:423:ILE:HB	B:424:PRO:HD3	0.479
5	A:28:ARG:CG	A:28:ARG:NH1	0.478
5	A:423:ILE:HB	A:424:PRO:HD3	0.477
5	A:502:PHE:C	H:12:FUC:HO4	0.475
5	B:139:ASN:HA	M:11:SIA:CT	0.472
5	A:139:ASN:HA	E:11:SIA:CT	0.471
5	B:116:SER:OG	L:12:FUC:H4	0.466
5	A:409:ASN:CB	G:1:NAG:O	0.466
5	B:409:ASN:CB	O:1:NAG:O	0.465
5	A:116:SER:OG	D:12:FUC:H4	0.464
5	A:528:PRO:HA	A:529:PRO:HD3	0.457

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:528:PRO:HA	B:529:PRO:HD3	0.454
5	A:77:ARG:HH21	A:91:PRO:HB2	0.451
5	B:247:THR:OG1	N:11:SIA:O7	0.451
5	A:502:PHE:CB	H:12:FUC:O4	0.450
5	B:502:PHE:C	P:12:FUC:HO4	0.450
5	B:502:PHE:CB	P:12:FUC:O4	0.447
5	A:30:LYS:HB3	C:12:FUC:H4	0.444
5	B:30:LYS:HB3	K:12:FUC:H4	0.444
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:499:ASN:OD1	H:12:FUC:H2	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	B:499:ASN:OD1	P:12:FUC:H2	0.427
5	B:224:THR:OG1	N:12:FUC:C1	0.424
5	A:224:THR:OG1	F:12:FUC:C1	0.422
5	A:378:LEU:HD12	A:417:LEU:HG	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
5	B:378:LEU:HD12	B:417:LEU:HG	0.421
5	B:231:GLU:HA	B:328:THR:O	0.413
5	A:231:GLU:HA	A:328:THR:O	0.412
5	B:423:ILE:O	B:425:PRO:HD3	0.412
5	A:423:ILE:O	A:425:PRO:HD3	0.411
5	A:502:PHE:HB2	H:12:FUC:O4	0.411
5	B:502:PHE:HB2	P:12:FUC:O4	0.411
5	A:487:VAL:O	I:12:FUC:O3	0.404
5	B:487:VAL:O	Q:12:FUC:O3	0.404
5	A:262:ARG:HH12	A:264:SER:HA	0.401
5	B:262:ARG:HH12	B:264:SER:HA	0.401
5	A:251:GLN:HE21	D:10:GAL:H62	0.400
6	B:379:SER:HB3	O:12:FUC:C2	1.591
6	A:379:SER:HB3	G:12:FUC:C2	1.588
6	A:491:ARG:CD	I:10:GAL:H2	1.574
6	B:491:ARG:HD2	Q:10:GAL:C2	1.569
6	A:491:ARG:HD2	I:10:GAL:C2	1.567
6	B:491:ARG:CD	Q:10:GAL:H2	1.566
6	B:491:ARG:HD2	Q:10:GAL:C3	1.523
6	A:491:ARG:HD2	I:10:GAL:C3	1.521
6	A:379:SER:HB3	G:12:FUC:C1	1.513
6	B:379:SER:HB3	O:12:FUC:C1	1.511
6	B:491:ARG:NE	Q:10:GAL:H2	1.418

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:491:ARG:NE	I:10:GAL:H2	1.415
6	B:491:ARG:CG	Q:10:GAL:O3	1.408
6	A:163:THR:OG1	E:12:FUC:C2	1.407
6	A:491:ARG:CG	I:10:GAL:O3	1.406
6	B:491:ARG:NH2	Q:1:NAG:C	1.362
6	A:491:ARG:NH2	I:1:NAG:C	1.361
6	B:214:THR:CG2	L:12:FUC:O4	1.356
6	A:214:THR:CG2	D:12:FUC:O4	1.353
6	B:488:THR:HA	Q:1:NAG:CT	1.352
6	A:150:LEU:CD2	E:3:BMA:H2	1.348
6	B:150:LEU:CD2	M:3:BMA:H2	1.347
6	A:488:THR:HA	I:1:NAG:CT	1.345
6	A:148:ARG:HG3	E:2:NAG:C6	1.336
6	B:148:ARG:HG3	M:2:NAG:C6	1.334
6	A:491:ARG:HD3	I:10:GAL:O4	1.299
6	B:491:ARG:HD3	Q:10:GAL:O4	1.297
6	B:379:SER:CB	O:12:FUC:C1	1.286
6	A:379:SER:CB	G:12:FUC:C1	1.285
6	A:148:ARG:CZ	E:2:NAG:O6	1.284
6	B:148:ARG:CZ	M:2:NAG:O6	1.282
6	A:491:ARG:CZ	I:1:NAG:CT	1.265
6	B:491:ARG:CZ	Q:1:NAG:CT	1.264
6	A:491:ARG:O	I:11:SIA:H31	1.256

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:491:ARG:O	Q:11:SIA:H31	1.256
6	A:491:ARG:CD	I:10:GAL:C3	1.244
6	B:491:ARG:CD	Q:10:GAL:C3	1.243
6	A:379:SER:CB	G:12:FUC:C2	1.241
6	B:379:SER:CB	O:12:FUC:C2	1.239
6	B:491:ARG:CD	Q:10:GAL:O4	1.235
6	A:491:ARG:CD	I:10:GAL:O4	1.233
6	B:510:LYS:N	Q:12:FUC:O3	1.231
6	A:510:LYS:N	I:12:FUC:O3	1.228
6	A:488:THR:CA	I:1:NAG:CT	1.214
6	B:488:THR:CA	Q:1:NAG:CT	1.213
6	A:214:THR:HG23	D:12:FUC:O4	1.210
6	B:214:THR:HG23	L:12:FUC:O4	1.202
6	A:491:ARG:HG3	I:10:GAL:O3	1.199
6	B:491:ARG:HG3	Q:10:GAL:O3	1.199
6	B:491:ARG:CD	Q:10:GAL:C2	1.181
6	A:491:ARG:CD	I:10:GAL:C2	1.179
6	A:163:THR:OG1	E:12:FUC:C1	1.175
6	A:491:ARG:HD2	I:10:GAL:C4	1.169
6	B:491:ARG:HD2	Q:10:GAL:C4	1.169
6	B:502:PHE:CZ	P:12:FUC:H5	1.149
6	A:502:PHE:CZ	H:12:FUC:H5	1.146
6	B:511:PHE:CB	Q:12:FUC:H2	1.136

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:511:PHE:CB	I:12:FUC:H2	1.134
6	B:491:ARG:CZ	Q:1:NAG:C	1.126
6	A:491:ARG:CZ	I:1:NAG:C	1.124
6	B:150:LEU:HD23	M:3:BMA:H2	1.107
6	A:150:LEU:HD23	E:3:BMA:H2	1.106
6	A:491:ARG:NE	I:1:NAG:N	1.106
6	B:491:ARG:NE	Q:1:NAG:N	1.106
6	A:150:LEU:HD22	E:3:BMA:H2	1.088
6	B:150:LEU:HD22	M:3:BMA:H2	1.086
6	B:148:ARG:CG	M:2:NAG:H62	1.074
6	A:148:ARG:CG	E:2:NAG:H62	1.073
6	B:491:ARG:NE	Q:1:NAG:CT	1.067
6	A:491:ARG:NE	I:1:NAG:CT	1.066
6	B:148:ARG:NH1	M:2:NAG:O6	1.048
6	A:148:ARG:NH1	E:2:NAG:O6	1.046
6	A:379:SER:O	G:12:FUC:O2	1.045
6	B:379:SER:O	O:12:FUC:O2	1.045
6	A:379:SER:HB3	G:12:FUC:H2	1.043
6	A:502:PHE:CE2	H:12:FUC:H5	1.043
6	B:502:PHE:CE2	P:12:FUC:H5	1.043
6	B:379:SER:HB3	O:12:FUC:H2	1.042
6	A:148:ARG:HB2	E:1:NAG:H4	1.009
6	B:148:ARG:HB2	M:1:NAG:H4	1.006

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:491:ARG:O	I:11:SIA:C3	1.003
6	B:491:ARG:O	Q:11:SIA:C3	1.002
6	B:491:ARG:HH21	Q:1:NAG:C	0.997
6	A:491:ARG:HH21	I:1:NAG:C	0.996
6	B:491:ARG:CD	Q:10:GAL:C4	0.983
6	A:491:ARG:CD	I:10:GAL:C4	0.982
6	B:214:THR:HG23	L:12:FUC:HO4	0.950
6	B:502:PHE:CZ	P:12:FUC:C5	0.943
6	A:502:PHE:CZ	H:12:FUC:C5	0.942
6	A:379:SER:CB	G:12:FUC:H2	0.941
6	B:379:SER:CB	O:12:FUC:H2	0.941
6	A:532:ASN:OD1	J:1:NAG:C1	0.941
6	A:530:LYS:NZ	J:2:NAG:H5	0.941
6	B:532:ASN:OD1	R:1:NAG:C1	0.940
6	B:530:LYS:NZ	R:2:NAG:H5	0.940
6	A:491:ARG:NH2	I:1:NAG:N	0.940
6	B:491:ARG:NH2	Q:1:NAG:N	0.939
6	A:379:SER:HB3	G:12:FUC:O2	0.935
6	B:530:LYS:HZ1	R:2:NAG:H5	0.934
6	A:530:LYS:HZ1	J:2:NAG:H5	0.933
6	B:379:SER:HB3	O:12:FUC:O2	0.932
6	A:148:ARG:CB	E:1:NAG:H4	0.923
6	B:148:ARG:CB	M:1:NAG:H4	0.922

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:491:ARG:NH2	I:1:NAG:O3	0.920
6	B:491:ARG:NH2	Q:1:NAG:O3	0.919
6	A:214:THR:HG23	D:12:FUC:HO4	0.908
6	A:148:ARG:HG3	E:2:NAG:H62	0.891
6	B:148:ARG:HG3	M:2:NAG:H62	0.889
6	A:150:LEU:HD23	E:3:BMA:C2	0.885
6	B:150:LEU:HD23	M:3:BMA:C2	0.885
6	B:530:LYS:NZ	R:2:NAG:C5	0.876
6	A:530:LYS:NZ	J:2:NAG:C5	0.875
6	A:491:ARG:HG2	I:10:GAL:O3	0.875
6	A:491:ARG:CZ	I:1:NAG:N	0.866
6	B:491:ARG:CZ	Q:1:NAG:N	0.866
6	A:491:ARG:CG	I:10:GAL:C3	0.852
6	A:510:LYS:N	I:12:FUC:HO3	0.850
6	B:491:ARG:CG	Q:10:GAL:C3	0.849
6	B:491:ARG:NE	Q:1:NAG:C	0.849
6	A:378:LEU:HD13	G:12:FUC:C4	0.848
6	B:148:ARG:NE	M:1:NAG:O3	0.848
6	A:148:ARG:NE	E:1:NAG:O3	0.847
6	A:491:ARG:NE	I:1:NAG:C	0.846
6	B:150:LEU:CD2	M:3:BMA:C2	0.841
6	B:378:LEU:HD13	O:12:FUC:C4	0.841
6	A:150:LEU:CD2	E:3:BMA:C2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:501:ASP:OD2	A:502:PHE:HD2	0.837
6	B:501:ASP:OD2	B:502:PHE:HD2	0.835
6	B:491:ARG:HG2	Q:10:GAL:O3	0.831
6	A:469:TYR:HA	H:11:SIA:H4	0.830
6	B:469:TYR:HA	P:11:SIA:H4	0.826
6	A:214:THR:CG2	D:12:FUC:HO4	0.824
6	A:148:ARG:CZ	E:2:NAG:HO6	0.812
6	B:148:ARG:NH1	M:2:NAG:HO6	0.802
6	B:501:ASP:O	P:12:FUC:H4	0.799
6	A:501:ASP:O	H:12:FUC:H4	0.798
6	B:469:TYR:CA	P:11:SIA:H4	0.791
6	A:469:TYR:CA	H:11:SIA:H4	0.788
6	A:148:ARG:HE	E:1:NAG:HO3	0.782
6	A:502:PHE:CE2	H:12:FUC:C5	0.778
6	B:502:PHE:CE2	P:12:FUC:C5	0.778
6	B:379:SER:N	O:12:FUC:H2	0.778
6	A:491:ARG:HD3	I:10:GAL:HO4	0.777
6	A:379:SER:N	G:12:FUC:H2	0.777
6	B:148:ARG:NE	M:2:NAG:O6	0.777
6	A:148:ARG:NE	E:2:NAG:O6	0.776
6	B:491:ARG:HD3	Q:10:GAL:HO4	0.766
6	A:499:ASN:H	A:499:ASN:HD22	0.765
6	B:499:ASN:HD21	B:502:PHE:HB2	0.764

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:499:ASN:HD21	A:502:PHE:HB2	0.763
6	B:499:ASN:H	B:499:ASN:HD22	0.762
6	A:467:LEU:HD23	H:11:SIA:O8	0.761
6	B:467:LEU:HD23	P:11:SIA:O8	0.761
6	A:501:ASP:OD2	A:502:PHE:CD2	0.756
6	A:530:LYS:HZ1	J:2:NAG:C5	0.755
6	B:501:ASP:OD2	B:502:PHE:CD2	0.754
6	B:530:LYS:HZ1	R:2:NAG:C5	0.753
6	B:491:ARG:HH21	Q:1:NAG:C2	0.744
6	A:491:ARG:HH21	I:1:NAG:C2	0.743
6	A:379:SER:CB	G:12:FUC:O2	0.735
6	B:379:SER:CB	O:12:FUC:O2	0.735
6	A:469:TYR:HA	H:11:SIA:C4	0.734
6	B:469:TYR:HA	P:11:SIA:C4	0.734
6	B:510:LYS:N	Q:12:FUC:HO3	0.725
6	A:491:ARG:HG3	I:11:SIA:C2	0.722
6	B:491:ARG:HG3	Q:11:SIA:C2	0.721
6	B:531:SER:O	R:1:NAG:O	0.717
6	A:491:ARG:CZ	I:10:GAL:H2	0.709
6	B:491:ARG:CZ	Q:10:GAL:H2	0.707
6	B:166:ASN:HB3	M:1:NAG:C1	0.706
6	A:166:ASN:HB3	E:1:NAG:C1	0.705
6	A:498:LEU:HB2	A:502:PHE:O	0.691

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:498:LEU:HB2	B:502:PHE:O	0.690
6	B:148:ARG:HD2	M:1:NAG:O	0.688
6	A:148:ARG:HD2	E:1:NAG:O	0.687
6	A:491:ARG:NE	I:10:GAL:C2	0.685
6	B:148:ARG:HE	M:1:NAG:HO3	0.680
6	B:491:ARG:NE	Q:10:GAL:C2	0.679
6	B:148:ARG:CZ	M:2:NAG:HO6	0.677
6	B:499:ASN:N	B:499:ASN:ND2	0.675
6	A:499:ASN:N	A:499:ASN:ND2	0.674
6	A:379:SER:C	G:12:FUC:O2	0.674
6	B:379:SER:C	O:12:FUC:O2	0.674
6	A:499:ASN:H	A:499:ASN:ND2	0.671
6	B:116:SER:O	L:12:FUC:O2	0.670
6	A:502:PHE:CE1	H:12:FUC:H5	0.669
6	B:502:PHE:CE1	P:12:FUC:H5	0.669
6	B:499:ASN:H	B:499:ASN:ND2	0.669
6	A:116:SER:O	D:12:FUC:O2	0.669
6	A:491:ARG:HH21	I:1:NAG:C3	0.667
6	B:491:ARG:HH21	Q:1:NAG:C3	0.666
6	B:214:THR:CG2	L:12:FUC:HO4	0.660
6	B:212:THR:O	L:12:FUC:O3	0.659
6	A:491:ARG:CG	I:10:GAL:C2	0.658
6	B:491:ARG:CG	Q:10:GAL:C2	0.658

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:502:PHE:CE2	H:12:FUC:C6	0.653
6	B:502:PHE:CE2	P:12:FUC:C6	0.653
6	A:148:ARG:HB3	E:1:NAG:C2	0.650
6	B:148:ARG:HB3	M:1:NAG:C2	0.650
6	A:148:ARG:HB2	E:2:NAG:O5	0.645
6	B:148:ARG:HB2	M:2:NAG:O5	0.644
6	B:379:SER:HB2	O:12:FUC:C1	0.641
6	B:214:THR:HG22	L:12:FUC:O4	0.640
6	A:379:SER:HB2	G:12:FUC:C1	0.639
6	A:214:THR:HG21	D:12:FUC:O4	0.639
6	A:214:THR:HG22	D:12:FUC:O4	0.638
6	B:214:THR:HG21	L:12:FUC:O4	0.635
6	A:379:SER:CA	G:12:FUC:O2	0.628
6	B:378:LEU:HD22	O:12:FUC:C2	0.628
6	B:379:SER:CA	O:12:FUC:O2	0.628
6	A:378:LEU:HD22	G:12:FUC:C2	0.627
6	A:148:ARG:NH1	E:2:NAG:HO6	0.625
6	A:502:PHE:CD1	H:1:NAG:C1	0.618
6	A:378:LEU:HD22	G:12:FUC:H2	0.617
6	B:502:PHE:CD1	P:1:NAG:C1	0.617
6	A:148:ARG:CG	E:2:NAG:C6	0.616
6	A:491:ARG:NH2	I:1:NAG:O	0.616
6	B:28:ARG:CG	B:28:ARG:HH11	0.614

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:378:LEU:HD22	O:12:FUC:H2	0.614
6	A:491:ARG:NH2	I:1:NAG:C3	0.613
6	B:491:ARG:NH2	Q:1:NAG:O	0.613
6	A:28:ARG:CG	A:28:ARG:HH11	0.612
6	B:379:SER:CA	O:12:FUC:H2	0.612
6	B:491:ARG:NH2	Q:1:NAG:C3	0.612
6	A:379:SER:CA	G:12:FUC:H2	0.611
6	B:148:ARG:CG	M:2:NAG:C6	0.611
6	A:341:ASN:HB3	A:342:PRO:HD3	0.610
6	B:341:ASN:HB3	B:342:PRO:HD3	0.610
6	B:148:ARG:HG3	M:2:NAG:O6	0.604
6	A:148:ARG:HG3	E:2:NAG:O6	0.602
6	B:530:LYS:NZ	R:2:NAG:C6	0.602
6	B:378:LEU:HB3	O:12:FUC:O3	0.601
6	A:530:LYS:NZ	J:2:NAG:C6	0.601
6	A:378:LEU:HB3	G:12:FUC:O3	0.599
6	A:379:SER:CA	G:12:FUC:C2	0.594
6	B:379:SER:CA	O:12:FUC:C2	0.594
6	A:415:THR:HG21	G:12:FUC:H5	0.592
6	B:415:THR:HG21	O:12:FUC:H5	0.592
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:150:LEU:HD23	M:2:NAG:H61	0.576
6	A:150:LEU:HD23	E:2:NAG:H61	0.575
6	A:163:THR:CB	E:12:FUC:C2	0.569
6	A:391:ASN:HB3	A:393:GLN:HG3	0.560
6	B:391:ASN:HB3	B:393:GLN:HG3	0.560
6	A:148:ARG:HB3	E:1:NAG:C3	0.552
6	B:28:ARG:HG2	B:28:ARG:HH11	0.552
6	A:28:ARG:HG2	A:28:ARG:HH11	0.551
6	B:148:ARG:HB3	M:1:NAG:C3	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:530:LYS:HZ1	J:2:NAG:C6	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:502:PHE:CE2	P:12:FUC:H61	0.545
6	A:502:PHE:CE2	H:12:FUC:H61	0.543
6	B:148:ARG:HB3	M:1:NAG:H4	0.543
6	B:502:PHE:CZ	P:12:FUC:O5	0.542
6	B:105:ARG:HG2	B:203:LEU:HB3	0.540
6	A:148:ARG:HB3	E:1:NAG:H4	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	B:530:LYS:HZ3	R:2:NAG:C5	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	A:530:LYS:HZ3	J:2:NAG:C5	0.535
6	B:530:LYS:NZ	R:2:NAG:H62	0.533
6	A:530:LYS:NZ	J:2:NAG:H62	0.532
6	A:148:ARG:CB	E:1:NAG:C4	0.530
6	B:148:ARG:CB	M:1:NAG:C4	0.530
6	A:491:ARG:CG	I:11:SIA:C2	0.523
6	B:491:ARG:CG	Q:11:SIA:C2	0.520
6	A:532:ASN:OD1	J:1:NAG:N	0.514
6	B:532:ASN:OD1	R:1:NAG:N	0.514
6	B:530:LYS:HZ1	R:2:NAG:C6	0.513
6	A:501:ASP:O	H:12:FUC:C4	0.513
6	B:501:ASP:O	P:12:FUC:C4	0.513
6	A:150:LEU:CD2	E:2:NAG:H61	0.511
6	B:150:LEU:HD22	M:3:BMA:C2	0.511
6	B:150:LEU:CD2	M:2:NAG:H61	0.509
6	A:511:PHE:CB	I:12:FUC:C2	0.508
6	A:150:LEU:HD22	E:3:BMA:C2	0.505
6	A:499:ASN:N	A:499:ASN:HD22	0.499
6	B:499:ASN:N	B:499:ASN:HD22	0.497
6	A:150:LEU:HD23	E:3:BMA:C1	0.493
6	A:491:ARG:HG3	I:10:GAL:C3	0.492
6	B:150:LEU:HD23	M:3:BMA:C1	0.492
6	B:491:ARG:HG3	Q:10:GAL:C3	0.492

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:530:LYS:HZ3	R:2:NAG:H62	0.490
6	A:530:LYS:HZ3	J:2:NAG:H62	0.488
6	A:502:PHE:CZ	H:12:FUC:O5	0.480
6	B:148:ARG:CD	M:1:NAG:O3	0.480
6	A:148:ARG:CD	E:1:NAG:O3	0.479
6	A:214:THR:HG21	D:12:FUC:H63	0.479
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	B:214:THR:HG21	L:12:FUC:H63	0.478
6	A:378:LEU:HD13	G:12:FUC:H4	0.477
6	A:423:ILE:HB	A:424:PRO:HD3	0.477
6	B:378:LEU:HD13	O:12:FUC:H4	0.477
6	A:532:ASN:CG	J:1:NAG:C1	0.476
6	B:532:ASN:CG	R:1:NAG:C1	0.475
6	A:491:ARG:HB3	I:1:NAG:CT	0.459
6	B:491:ARG:HB3	Q:1:NAG:CT	0.458
6	A:528:PRO:HA	A:529:PRO:HD3	0.457
6	B:528:PRO:HA	B:529:PRO:HD3	0.454
6	B:379:SER:N	O:12:FUC:C2	0.453
6	A:77:ARG:HH21	A:91:PRO:HB2	0.451
6	A:379:SER:N	G:12:FUC:C2	0.450
6	A:508:LYS:HG2	I:11:SIA:O	0.444

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:508:LYS:HG2	Q:11:SIA:O	0.444
6	A:341:ASN:CB	A:342:PRO:HD3	0.441
6	B:341:ASN:CB	B:342:PRO:HD3	0.441
6	A:148:ARG:HB3	E:1:NAG:C4	0.440
6	A:214:THR:CG2	D:12:FUC:H63	0.440
6	B:33:SER:HB3	B:83:ILE:HD12	0.440
6	B:214:THR:CG2	L:12:FUC:H63	0.440
6	A:33:SER:HB3	A:83:ILE:HD12	0.439
6	A:501:ASP:HB2	H:12:FUC:H62	0.439
6	B:148:ARG:HB3	M:1:NAG:C4	0.439
6	B:501:ASP:HB2	P:12:FUC:H62	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:530:LYS:HZ3	J:2:NAG:C6	0.434
6	A:386:LYS:HD2	A:397:ILE:HD11	0.433
6	B:530:LYS:HZ3	R:2:NAG:C6	0.433
6	B:386:LYS:HD2	B:397:ILE:HD11	0.431
6	A:166:ASN:CB	E:1:NAG:C1	0.429
6	B:501:ASP:CG	P:12:FUC:H62	0.428
6	B:148:ARG:CD	M:2:NAG:O6	0.428
6	A:501:ASP:CG	H:12:FUC:H62	0.427
6	A:527:ASN:HA	A:528:PRO:C	0.427
6	B:511:PHE:CB	Q:12:FUC:C2	0.427

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:527:ASN:HA	B:528:PRO:C	0.427
6	B:166:ASN:CB	M:1:NAG:C1	0.427
6	A:148:ARG:CD	E:2:NAG:O6	0.427
6	A:378:LEU:HD22	G:12:FUC:O5	0.423
6	A:491:ARG:CG	I:11:SIA:C3	0.422
6	B:378:LEU:HD22	O:12:FUC:O5	0.422
6	A:378:LEU:HD12	A:417:LEU:HG	0.421
6	B:378:LEU:HD12	B:417:LEU:HG	0.421
6	B:491:ARG:CG	Q:11:SIA:C3	0.421
6	B:502:PHE:CD2	P:12:FUC:H5	0.420
6	A:148:ARG:HB2	E:1:NAG:C4	0.417
6	B:148:ARG:HB2	M:1:NAG:C4	0.417
6	B:491:ARG:HG3	Q:11:SIA:C3	0.416
6	A:502:PHE:CD2	H:12:FUC:H5	0.416
6	A:491:ARG:HG3	I:11:SIA:C3	0.415
6	B:231:GLU:HA	B:328:THR:O	0.413
6	A:231:GLU:HA	A:328:THR:O	0.412
6	B:423:ILE:O	B:425:PRO:HD3	0.412
6	A:379:SER:HB3	G:12:FUC:HO2	0.411
6	A:423:ILE:O	A:425:PRO:HD3	0.411
6	B:379:SER:HB3	O:12:FUC:HO2	0.409
6	A:491:ARG:CD	I:1:NAG:CT	0.407
6	A:511:PHE:CA	I:12:FUC:H2	0.407

Model ID	Atom-1	Atom-2	Clash overlap (Å)
6	B:491:ARG:CD	Q:1:NAG:CT	0.407
6	B:511:PHE:CA	Q:12:FUC:H2	0.407
6	A:214:THR:HG21	D:12:FUC:HO4	0.403
6	A:491:ARG:HH21	I:1:NAG:N	0.402
6	A:262:ARG:HH12	A:264:SER:HA	0.401
6	B:262:ARG:HH12	B:264:SER:HA	0.401
6	B:491:ARG:HH21	Q:1:NAG:N	0.401
6	B:531:SER:O	R:1:NAG:C	0.401
7	B:498:LEU:CD2	P:1:NAG:C	1.626
7	A:498:LEU:CD2	H:1:NAG:C	1.621
7	A:433:GLN:CD	G:12:FUC:C5	1.575
7	B:433:GLN:CD	O:12:FUC:C5	1.575
7	A:433:GLN:CG	G:12:FUC:C3	1.532
7	B:433:GLN:CG	O:12:FUC:C3	1.532
7	B:433:GLN:CG	O:12:FUC:H3	1.506
7	A:433:GLN:CG	G:12:FUC:H3	1.505
7	A:433:GLN:HG3	G:12:FUC:C3	1.480
7	B:433:GLN:HG3	O:12:FUC:C3	1.474
7	A:530:LYS:NZ	J:2:NAG:C1	1.450
7	B:530:LYS:NZ	R:2:NAG:C1	1.447
7	A:460:ASN:OD1	H:1:NAG:C5	1.435
7	B:460:ASN:OD1	P:1:NAG:C5	1.435
7	A:488:THR:HA	I:1:NAG:CT	1.405

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:488:THR:HA	Q:1:NAG:CT	1.404
7	B:433:GLN:OE1	O:12:FUC:C5	1.391
7	B:491:ARG:CZ	Q:10:GAL:H2	1.389
7	A:433:GLN:OE1	G:12:FUC:C5	1.387
7	A:491:ARG:CZ	I:10:GAL:H2	1.386
7	A:409:ASN:HD21	G:11:SIA:C6	1.377
7	B:409:ASN:HD21	O:11:SIA:C6	1.374
7	B:409:ASN:ND2	O:11:SIA:H6	1.366
7	A:409:ASN:ND2	G:11:SIA:H6	1.362
7	B:530:LYS:HZ3	R:2:NAG:C1	1.353
7	A:530:LYS:HZ3	J:2:NAG:C1	1.348
7	A:409:ASN:OD1	G:11:SIA:H7	1.322
7	B:409:ASN:OD1	O:11:SIA:H7	1.322
7	B:240:ILE:O	N:12:FUC:H2	1.293
7	A:240:ILE:O	F:12:FUC:H2	1.288
7	A:148:ARG:NE	E:10:GAL:H3	1.270
7	B:148:ARG:NE	M:10:GAL:H3	1.266
7	B:148:ARG:HE	M:10:GAL:C3	1.262
7	A:148:ARG:HE	E:10:GAL:C3	1.261
7	B:498:LEU:HD23	P:1:NAG:C	1.257
7	B:342:PRO:CB	O:12:FUC:H2	1.256
7	A:342:PRO:CB	G:12:FUC:H2	1.253
7	A:498:LEU:HD23	H:1:NAG:C	1.250

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:409:ASN:OD1	O:11:SIA:C7	1.241
7	A:409:ASN:OD1	G:11:SIA:C7	1.239
7	A:491:ARG:CZ	I:1:NAG:CT	1.229
7	B:433:GLN:CD	O:12:FUC:H3	1.229
7	B:460:ASN:OD1	P:1:NAG:C4	1.227
7	B:491:ARG:CZ	Q:1:NAG:CT	1.225
7	A:460:ASN:OD1	H:1:NAG:C4	1.224
7	A:433:GLN:CD	G:12:FUC:H3	1.222
7	A:199:PRO:HG3	E:11:SIA:C7	1.215
7	B:199:PRO:HG3	M:11:SIA:C7	1.214
7	A:83:ILE:HD11	C:12:FUC:O3	1.209
7	B:83:ILE:HD11	K:12:FUC:O3	1.205
7	A:488:THR:CA	I:1:NAG:CT	1.192
7	B:488:THR:CA	Q:1:NAG:CT	1.189
7	A:491:ARG:NH1	I:10:GAL:H2	1.183
7	B:460:ASN:OD1	P:1:NAG:C6	1.183
7	A:460:ASN:OD1	H:1:NAG:C6	1.182
7	B:491:ARG:NH1	Q:10:GAL:H2	1.181
7	A:413:ASN:OD1	G:1:NAG:C1	1.179
7	B:342:PRO:HB2	O:12:FUC:O4	1.164
7	A:342:PRO:HB2	G:12:FUC:O4	1.160
7	B:491:ARG:NH1	Q:10:GAL:O4	1.156
7	A:491:ARG:NH1	I:10:GAL:O4	1.154

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:342:PRO:HB3	O:12:FUC:H2	1.150
7	A:342:PRO:HB3	G:12:FUC:H2	1.148
7	B:199:PRO:HG3	M:11:SIA:H7	1.123
7	A:199:PRO:HG3	E:11:SIA:H7	1.118
7	A:460:ASN:OD1	H:1:NAG:H4	1.116
7	B:460:ASN:OD1	P:1:NAG:H4	1.110
7	A:433:GLN:HB2	G:12:FUC:C4	1.109
7	B:433:GLN:HB2	O:12:FUC:C4	1.108
7	B:433:GLN:CD	O:12:FUC:C4	1.100
7	A:460:ASN:OD1	H:1:NAG:O5	1.100
7	A:199:PRO:HD3	E:11:SIA:CT	1.097
7	A:433:GLN:CD	G:12:FUC:C4	1.097
7	B:460:ASN:OD1	P:1:NAG:O5	1.097
7	B:199:PRO:HD3	M:11:SIA:CT	1.090
7	A:148:ARG:NE	E:10:GAL:C3	1.079
7	B:148:ARG:NE	M:10:GAL:C3	1.073
7	A:461:SER:CA	H:12:FUC:O2	1.071
7	A:498:LEU:CG	H:1:NAG:O	1.062
7	B:498:LEU:CG	P:1:NAG:O	1.062
7	A:461:SER:C	H:12:FUC:O2	1.061
7	A:148:ARG:NH1	E:11:SIA:O11	1.042
7	B:148:ARG:NH1	M:11:SIA:O11	1.041
7	B:240:ILE:C	N:12:FUC:H2	1.040

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:240:ILE:C	F:12:FUC:H2	1.039
7	A:460:ASN:CG	H:1:NAG:H61	1.035
7	B:460:ASN:CG	P:1:NAG:H61	1.035
7	A:433:GLN:CD	G:12:FUC:C3	1.027
7	B:433:GLN:CD	O:12:FUC:C3	1.027
7	A:433:GLN:CB	G:12:FUC:H4	1.027
7	B:433:GLN:CB	O:12:FUC:H4	1.027
7	B:460:ASN:CB	P:1:NAG:H61	1.024
7	A:460:ASN:CB	H:1:NAG:H61	1.023
7	B:410:ASN:ND2	O:11:SIA:O11	1.023
7	A:410:ASN:ND2	G:11:SIA:O11	1.022
7	B:86:ASN:OD1	K:11:SIA:C9	1.021
7	A:491:ARG:CZ	I:10:GAL:C2	1.020
7	B:83:ILE:CD1	K:12:FUC:O3	1.020
7	A:86:ASN:OD1	C:11:SIA:C9	1.020
7	A:83:ILE:CD1	C:12:FUC:O3	1.019
7	B:491:ARG:CZ	Q:10:GAL:C2	1.018
7	B:433:GLN:HB2	O:12:FUC:H4	1.017
7	A:433:GLN:HB2	G:12:FUC:H4	1.016
7	A:240:ILE:O	F:12:FUC:C2	0.996
7	B:240:ILE:O	N:12:FUC:C2	0.994
7	B:498:LEU:HD21	P:1:NAG:O	0.993
7	B:460:ASN:HB3	P:1:NAG:H61	0.992

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:498:LEU:HD21	H:1:NAG:O	0.990
7	A:460:ASN:HB3	H:1:NAG:H61	0.989
7	B:530:LYS:NZ	R:2:NAG:H5	0.984
7	A:530:LYS:NZ	J:2:NAG:H5	0.983
7	A:498:LEU:HD22	H:1:NAG:O	0.983
7	B:498:LEU:HD22	P:1:NAG:C	0.981
7	B:498:LEU:HD22	P:1:NAG:O	0.981
7	B:199:PRO:HG3	M:11:SIA:O7	0.972
7	A:199:PRO:HG3	E:11:SIA:O7	0.969
7	A:240:ILE:C	F:12:FUC:C2	0.965
7	B:240:ILE:C	N:12:FUC:C2	0.965
7	B:342:PRO:HB3	O:12:FUC:C2	0.963
7	A:342:PRO:HB3	G:12:FUC:C2	0.962
7	B:460:ASN:CG	P:1:NAG:C6	0.958
7	A:460:ASN:CG	H:1:NAG:C6	0.957
7	B:530:LYS:HZ1	R:2:NAG:C5	0.956
7	A:413:ASN:OD1	G:1:NAG:O5	0.952
7	A:413:ASN:CG	G:1:NAG:C1	0.951
7	B:240:ILE:C	N:12:FUC:O2	0.948
7	A:240:ILE:C	F:12:FUC:O2	0.946
7	A:409:ASN:OD1	G:11:SIA:C8	0.945
7	B:409:ASN:OD1	O:11:SIA:C8	0.945
7	B:530:LYS:HZ1	R:2:NAG:H5	0.938

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:460:ASN:OD1	H:1:NAG:H61	0.933
7	A:498:LEU:CD2	H:1:NAG:O	0.933
7	B:498:LEU:CD2	P:1:NAG:O	0.933
7	B:148:ARG:CZ	M:11:SIA:O11	0.932
7	B:460:ASN:OD1	P:1:NAG:H61	0.931
7	A:148:ARG:CZ	E:11:SIA:O11	0.927
7	A:508:LYS:C	I:11:SIA:CT	0.927
7	B:508:LYS:C	Q:11:SIA:CT	0.926
7	A:199:PRO:CG	E:11:SIA:H7	0.919
7	B:199:PRO:CG	M:11:SIA:H7	0.917
7	A:498:LEU:HD22	H:1:NAG:C	0.916
7	A:530:LYS:HZ2	J:2:NAG:C1	0.915
7	A:409:ASN:CG	G:11:SIA:C8	0.910
7	B:409:ASN:CG	O:11:SIA:C8	0.910
7	B:530:LYS:HZ2	R:2:NAG:C1	0.910
7	B:433:GLN:CG	O:12:FUC:C4	0.906
7	A:433:GLN:CG	G:12:FUC:C4	0.904
7	A:530:LYS:HZ1	J:2:NAG:C5	0.896
7	B:433:GLN:N	O:12:FUC:O3	0.894
7	B:433:GLN:CB	O:12:FUC:C3	0.892
7	A:433:GLN:N	G:12:FUC:O3	0.892
7	A:433:GLN:CB	G:12:FUC:C3	0.891
7	A:433:GLN:OE1	G:12:FUC:C6	0.891

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:433:GLN:OE1	O:12:FUC:C6	0.890
7	A:530:LYS:NZ	J:2:NAG:C5	0.886
7	B:530:LYS:NZ	R:2:NAG:C5	0.886
7	B:240:ILE:HB	N:12:FUC:C1	0.876
7	A:84:ASN:O	C:11:SIA:O7	0.876
7	A:240:ILE:HB	F:12:FUC:C1	0.875
7	B:84:ASN:O	K:11:SIA:O7	0.875
7	B:86:ASN:OD1	K:11:SIA:H92	0.872
7	A:86:ASN:OD1	C:11:SIA:H92	0.869
7	A:433:GLN:CB	G:12:FUC:C4	0.868
7	B:433:GLN:CB	O:12:FUC:C4	0.867
7	A:409:ASN:CG	G:11:SIA:C7	0.861
7	A:433:GLN:HG3	G:12:FUC:O3	0.861
7	B:409:ASN:CG	O:11:SIA:C7	0.860
7	B:433:GLN:HG3	O:12:FUC:O3	0.860
7	A:530:LYS:HZ1	J:2:NAG:H5	0.853
7	A:342:PRO:CB	G:12:FUC:C2	0.852
7	B:342:PRO:CB	O:12:FUC:C2	0.852
7	A:532:ASN:OD1	J:1:NAG:C1	0.849
7	B:532:ASN:OD1	R:1:NAG:C1	0.848
7	A:501:ASP:OD2	A:502:PHE:HD2	0.837
7	A:461:SER:HA	H:12:FUC:C2	0.835
7	B:501:ASP:OD2	B:502:PHE:HD2	0.835

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:409:ASN:ND2	O:11:SIA:H8	0.822
7	A:409:ASN:ND2	G:11:SIA:H8	0.821
7	B:491:ARG:NE	Q:1:NAG:CT	0.812
7	A:491:ARG:NE	I:1:NAG:CT	0.811
7	A:491:ARG:NE	I:10:GAL:C2	0.803
7	B:491:ARG:NE	Q:10:GAL:C2	0.802
7	A:491:ARG:NE	I:10:GAL:H2	0.792
7	B:491:ARG:NE	Q:10:GAL:H2	0.792
7	B:530:LYS:HZ1	R:2:NAG:C1	0.784
7	B:236:ARG:NH1	N:10:GAL:O4	0.782
7	A:236:ARG:NH1	F:10:GAL:O4	0.781
7	A:461:SER:O	H:12:FUC:O3	0.780
7	A:431:THR:HG22	G:12:FUC:O3	0.772
7	A:530:LYS:HZ1	J:2:NAG:C3	0.769
7	A:413:ASN:ND2	G:1:NAG:C1	0.767
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:239:VAL:HG22	N:10:GAL:O6	0.762
7	B:499:ASN:H	B:499:ASN:HD22	0.762
7	A:488:THR:HG22	I:1:NAG:CT	0.759
7	A:530:LYS:HZ1	J:2:NAG:C1	0.759
7	A:501:ASP:OD2	A:502:PHE:CD2	0.756

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:488:THR:HG22	Q:1:NAG:CT	0.755
7	B:501:ASP:OD2	B:502:PHE:CD2	0.754
7	B:148:ARG:CB	M:10:GAL:C6	0.752
7	A:409:ASN:OD1	G:11:SIA:O8	0.752
7	B:409:ASN:OD1	O:11:SIA:O8	0.752
7	B:409:ASN:ND2	O:11:SIA:C6	0.751
7	B:530:LYS:HZ1	R:2:NAG:C3	0.750
7	A:148:ARG:CB	E:10:GAL:C6	0.748
7	A:409:ASN:ND2	G:11:SIA:C6	0.743
7	A:409:ASN:CG	G:11:SIA:H8	0.739
7	B:409:ASN:CG	O:11:SIA:H8	0.739
7	A:342:PRO:CB	G:12:FUC:O4	0.723
7	B:342:PRO:CB	O:12:FUC:O4	0.720
7	A:530:LYS:HZ1	J:2:NAG:H3	0.716
7	A:199:PRO:CB	E:11:SIA:H7	0.714
7	B:199:PRO:CB	M:11:SIA:H7	0.714
7	B:433:GLN:HG3	O:12:FUC:H3	0.711
7	A:433:GLN:HG3	G:12:FUC:H3	0.710
7	A:491:ARG:HH11	I:10:GAL:C4	0.710
7	B:491:ARG:HH11	Q:10:GAL:C4	0.708
7	A:409:ASN:CG	G:11:SIA:H7	0.707
7	B:409:ASN:CG	O:11:SIA:H7	0.704
7	B:410:ASN:CG	O:11:SIA:O11	0.700

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:410:ASN:CG	G:11:SIA:O11	0.699
7	A:461:SER:CA	H:12:FUC:C2	0.698
7	A:498:LEU:HB2	A:502:PHE:O	0.691
7	B:498:LEU:HB2	B:502:PHE:O	0.690
7	B:240:ILE:HG21	N:1:NAG:O6	0.688
7	A:240:ILE:HG21	F:1:NAG:O6	0.687
7	A:342:PRO:O	G:12:FUC:O4	0.686
7	B:342:PRO:O	O:12:FUC:O4	0.685
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:530:LYS:NZ	J:2:NAG:C2	0.667
7	B:530:LYS:HZ1	R:2:NAG:H3	0.666
7	B:530:LYS:NZ	R:2:NAG:C2	0.666
7	A:342:PRO:HB3	G:12:FUC:C1	0.665
7	B:342:PRO:HB3	O:12:FUC:C1	0.663
7	B:460:ASN:CG	P:1:NAG:O5	0.657
7	A:460:ASN:CG	H:1:NAG:O5	0.655
7	A:498:LEU:HD21	H:1:NAG:C2	0.652
7	B:498:LEU:HD21	P:1:NAG:C2	0.651
7	B:491:ARG:NH1	Q:10:GAL:C2	0.640
7	B:240:ILE:CB	N:12:FUC:C1	0.639

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:199:PRO:CG	E:11:SIA:C7	0.638
7	A:491:ARG:NH1	I:10:GAL:C2	0.636
7	A:240:ILE:CB	F:12:FUC:C1	0.634
7	B:199:PRO:CG	M:11:SIA:C7	0.633
7	B:409:ASN:ND2	O:11:SIA:C7	0.629
7	A:409:ASN:ND2	G:11:SIA:C7	0.626
7	A:240:ILE:CG2	F:1:NAG:O6	0.621
7	B:240:ILE:CG2	N:1:NAG:O6	0.621
7	B:491:ARG:HD3	Q:10:GAL:O4	0.618
7	A:491:ARG:HD3	I:10:GAL:O4	0.617
7	A:488:THR:CG2	I:1:NAG:CT	0.616
7	B:28:ARG:CG	B:28:ARG:HH11	0.614
7	B:530:LYS:NZ	R:2:NAG:O5	0.614
7	A:28:ARG:CG	A:28:ARG:HH11	0.612
7	B:488:THR:CG2	Q:1:NAG:CT	0.612
7	A:530:LYS:CE	J:2:NAG:H5	0.611
7	A:341:ASN:HB3	A:342:PRO:HD3	0.610
7	B:341:ASN:HB3	B:342:PRO:HD3	0.610
7	B:530:LYS:CE	R:2:NAG:H5	0.610
7	B:460:ASN:HB3	P:1:NAG:C6	0.607
7	A:460:ASN:HB3	H:1:NAG:C6	0.606
7	A:342:PRO:CA	G:12:FUC:H2	0.603
7	B:342:PRO:CA	O:12:FUC:H2	0.603

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:461:SER:N	H:12:FUC:O2	0.600
7	A:413:ASN:HD21	G:1:NAG:C1	0.597
7	A:460:ASN:CB	H:1:NAG:C6	0.596
7	B:409:ASN:HD21	O:11:SIA:H6	0.593
7	A:409:ASN:HD22	A:410:ASN:H	0.592
7	A:447:LEU:HB3	A:448:PRO:HD3	0.591
7	A:409:ASN:HD21	G:11:SIA:H6	0.591
7	B:409:ASN:HD22	B:410:ASN:H	0.591
7	A:163:THR:C	E:1:NAG:CT	0.587
7	B:491:ARG:NH1	Q:1:NAG:CT	0.574
7	A:491:ARG:NH1	I:1:NAG:CT	0.573
7	A:342:PRO:HB2	G:12:FUC:H2	0.566
7	B:342:PRO:HB2	O:12:FUC:H2	0.565
7	B:239:VAL:CG2	N:10:GAL:O6	0.564
7	A:391:ASN:HB3	A:393:GLN:HG3	0.560
7	B:391:ASN:HB3	B:393:GLN:HG3	0.560
7	A:148:ARG:NH2	E:11:SIA:H8	0.560
7	B:148:ARG:NH2	M:11:SIA:H8	0.559
7	A:433:GLN:HB2	G:12:FUC:C3	0.557
7	B:460:ASN:CG	P:1:NAG:C5	0.557
7	B:530:LYS:HZ1	R:2:NAG:C4	0.556
7	B:433:GLN:HB2	O:12:FUC:C3	0.554
7	B:28:ARG:HG2	B:28:ARG:HH11	0.552

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:409:ASN:ND2	O:11:SIA:C8	0.552
7	A:28:ARG:HG2	A:28:ARG:HH11	0.551
7	A:409:ASN:ND2	G:11:SIA:C8	0.549
7	B:530:LYS:NZ	R:2:NAG:H3	0.546
7	A:109:LEU:H	A:109:LEU:HD12	0.545
7	B:109:LEU:H	B:109:LEU:HD12	0.545
7	A:342:PRO:HB2	G:12:FUC:C4	0.544
7	B:342:PRO:HB2	O:12:FUC:C4	0.542
7	B:105:ARG:HG2	B:203:LEU:HB3	0.540
7	A:359:THR:HG22	A:393:GLN:HG2	0.536
7	B:359:THR:HG22	B:393:GLN:HG2	0.536
7	A:530:LYS:HZ1	J:2:NAG:C4	0.536
7	A:86:ASN:OD1	C:11:SIA:O9	0.533
7	B:86:ASN:OD1	K:11:SIA:O9	0.532
7	B:409:ASN:CG	O:11:SIA:O8	0.521
7	A:409:ASN:CG	G:11:SIA:O8	0.519
7	B:410:ASN:ND2	O:11:SIA:C1	0.519
7	A:410:ASN:ND2	G:11:SIA:C1	0.518
7	A:530:LYS:NZ	J:2:NAG:H3	0.508
7	A:199:PRO:HB3	E:11:SIA:H7	0.504
7	B:199:PRO:HB3	M:11:SIA:H7	0.504
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	B:491:ARG:NE	Q:10:GAL:O2	0.496
7	A:491:ARG:CD	I:10:GAL:O4	0.496
7	A:491:ARG:NE	I:10:GAL:O2	0.495
7	A:530:LYS:HZ3	J:2:NAG:C5	0.495
7	B:491:ARG:CD	Q:10:GAL:O4	0.495
7	B:530:LYS:NZ	R:2:NAG:C3	0.481
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:530:LYS:NZ	J:2:NAG:C3	0.477
7	B:531:SER:O	R:1:NAG:C	0.473
7	B:502:PHE:HB3	P:1:NAG:CT	0.468
7	A:502:PHE:HB3	H:1:NAG:CT	0.467
7	A:488:THR:HG22	A:491:ARG:NH2	0.459
7	B:488:THR:HG22	B:491:ARG:NH2	0.459
7	A:528:PRO:HA	A:529:PRO:HD3	0.457
7	A:488:THR:N	I:1:NAG:CT	0.456
7	B:528:PRO:HA	B:529:PRO:HD3	0.454
7	B:488:THR:N	Q:1:NAG:CT	0.454
7	A:491:ARG:HG3	I:11:SIA:O11	0.452
7	A:77:ARG:HH21	A:91:PRO:HB2	0.451
7	A:511:PHE:CB	I:12:FUC:O2	0.450

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	B:511:PHE:CB	Q:12:FUC:O2	0.450
7	A:433:GLN:CB	G:12:FUC:O3	0.448
7	A:199:PRO:HG3	E:11:SIA:HO7	0.447
7	B:433:GLN:CB	O:12:FUC:O3	0.447
7	B:491:ARG:HG3	Q:11:SIA:O11	0.447
7	B:409:ASN:CG	O:11:SIA:C6	0.443
7	A:409:ASN:CG	G:11:SIA:C6	0.442
7	A:461:SER:O	H:12:FUC:O2	0.442
7	A:341:ASN:CB	A:342:PRO:HD3	0.441
7	B:341:ASN:CB	B:342:PRO:HD3	0.441
7	B:33:SER:HB3	B:83:ILE:HD12	0.440
7	B:199:PRO:HG3	M:11:SIA:HO7	0.440
7	A:33:SER:HB3	A:83:ILE:HD12	0.439
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:342:PRO:CB	G:12:FUC:C1	0.427
7	A:342:PRO:HB2	G:12:FUC:C2	0.427
7	B:342:PRO:CB	O:12:FUC:C1	0.427
7	B:342:PRO:HB2	O:12:FUC:C2	0.424

Model ID	Atom-1	Atom-2	Clash overlap (Å)
7	A:378:LEU:HD12	A:417:LEU:HG	0.421
7	B:378:LEU:HD12	B:417:LEU:HG	0.421
7	A:86:ASN:OD1	C:11:SIA:H91	0.418
7	B:86:ASN:OD1	K:11:SIA:H91	0.414
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:460:ASN:HB3	H:12:FUC:C1	0.407
7	B:460:ASN:HB3	P:12:FUC:C1	0.406
7	A:199:PRO:CG	E:11:SIA:O7	0.404
7	A:262:ARG:HH12	A:264:SER:HA	0.401
7	B:262:ARG:HH12	B:264:SER:HA	0.401
8	A:431:THR:HG23	G:11:SIA:C4	1.618
8	A:498:LEU:HD21	H:1:NAG:C6	1.616
8	B:498:LEU:HD21	P:1:NAG:C6	1.613
8	A:431:THR:CG2	G:11:SIA:H4	1.589
8	B:498:LEU:CD2	P:1:NAG:H61	1.585
8	A:498:LEU:CD2	H:1:NAG:H61	1.579
8	B:166:ASN:HD22	M:1:NAG:C1	1.488
8	A:166:ASN:HD22	E:1:NAG:C1	1.486
8	A:277:ASP:HB2	F:12:FUC:C1	1.412
8	B:277:ASP:HB2	N:12:FUC:C1	1.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:148:ARG:NH2	M:2:NAG:H3	1.401
8	A:431:THR:CG2	G:11:SIA:C4	1.399
8	A:148:ARG:NH2	E:2:NAG:H3	1.396
8	A:491:ARG:CG	I:11:SIA:H32	1.363
8	B:491:ARG:CG	Q:11:SIA:H32	1.360
8	A:504:GLN:CG	H:12:FUC:O2	1.332
8	A:491:ARG:HG2	I:11:SIA:C3	1.331
8	B:491:ARG:HG2	Q:11:SIA:C3	1.331
8	A:458:GLU:C	H:11:SIA:CT	1.329
8	B:458:GLU:C	P:11:SIA:CT	1.329
8	B:277:ASP:HB2	N:12:FUC:C2	1.328
8	A:277:ASP:HB2	F:12:FUC:C2	1.326
8	B:352:HIS:NE2	R:5:NAG:H62	1.325
8	A:352:HIS:NE2	J:5:NAG:H62	1.322
8	B:166:ASN:ND2	M:1:NAG:C1	1.276
8	A:166:ASN:ND2	E:1:NAG:C1	1.272
8	A:491:ARG:HD2	I:10:GAL:O3	1.261
8	A:148:ARG:HH21	E:2:NAG:C3	1.257
8	B:148:ARG:HH21	M:2:NAG:C3	1.256
8	B:491:ARG:HD2	Q:10:GAL:O3	1.255
8	B:415:THR:HG22	O:11:SIA:O	1.238
8	A:415:THR:HG22	G:11:SIA:O	1.234
8	A:431:THR:HG23	G:11:SIA:C5	1.222

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:148:ARG:NH2	M:2:NAG:C3	1.164
8	A:148:ARG:NH2	E:2:NAG:C3	1.161
8	B:491:ARG:CG	Q:11:SIA:C3	1.147
8	A:491:ARG:CG	I:11:SIA:C3	1.144
8	B:491:ARG:CD	Q:10:GAL:O3	1.144
8	A:491:ARG:CD	I:10:GAL:O3	1.143
8	A:491:ARG:HG3	I:11:SIA:H32	1.133
8	B:491:ARG:HG3	Q:11:SIA:H32	1.131
8	A:199:PRO:HG3	E:2:NAG:H62	1.122
8	A:491:ARG:HD2	I:10:GAL:C3	1.120
8	B:491:ARG:HD2	Q:10:GAL:C3	1.119
8	B:498:LEU:CG	P:1:NAG:H61	1.118
8	A:498:LEU:CG	H:1:NAG:H61	1.117
8	A:431:THR:CG2	G:11:SIA:C5	1.116
8	B:199:PRO:HG3	M:2:NAG:H62	1.116
8	A:491:ARG:HH21	I:1:NAG:C2	1.094
8	B:491:ARG:HH21	Q:1:NAG:C2	1.094
8	A:415:THR:CG2	G:11:SIA:O	1.092
8	B:415:THR:CG2	O:11:SIA:O	1.092
8	B:352:HIS:CE1	R:5:NAG:C6	1.083
8	A:352:HIS:CE1	J:5:NAG:C6	1.082
8	B:491:ARG:NH2	Q:1:NAG:N	1.075
8	A:491:ARG:NH2	I:1:NAG:N	1.072

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:504:GLN:HG2	H:12:FUC:O2	1.068
8	A:491:ARG:HH21	I:1:NAG:C3	1.063
8	B:491:ARG:HH21	Q:1:NAG:C3	1.061
8	A:277:ASP:CB	F:12:FUC:C1	1.056
8	B:277:ASP:CB	N:12:FUC:C1	1.055
8	B:498:LEU:CD2	P:1:NAG:C6	1.052
8	A:431:THR:HG22	G:11:SIA:H4	1.049
8	A:491:ARG:HG2	I:11:SIA:H31	1.047
8	A:498:LEU:CD2	H:1:NAG:C6	1.046
8	B:491:ARG:HG2	Q:11:SIA:H31	1.041
8	B:498:LEU:HD21	P:1:NAG:C5	1.041
8	A:498:LEU:HD21	H:1:NAG:C5	1.039
8	A:243:ASN:ND2	F:1:NAG:C1	1.038
8	B:243:ASN:ND2	N:1:NAG:C1	1.038
8	A:352:HIS:HE2	J:5:NAG:H62	1.027
8	B:491:ARG:NH2	Q:1:NAG:C3	1.025
8	B:491:ARG:NH2	Q:1:NAG:H3	1.024
8	A:491:ARG:NH2	I:1:NAG:C3	1.023
8	B:243:ASN:CG	N:1:NAG:C1	1.022
8	A:491:ARG:NH2	I:1:NAG:H3	1.022
8	A:243:ASN:CG	F:1:NAG:C1	1.021
8	B:352:HIS:NE2	R:5:NAG:C6	1.021
8	B:352:HIS:HE2	R:5:NAG:H62	1.020

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:352:HIS:NE2	J:5:NAG:C6	1.019
8	B:352:HIS:CE1	R:5:NAG:H62	1.015
8	A:352:HIS:CE1	J:5:NAG:H62	1.013
8	A:431:THR:HG23	G:11:SIA:N	1.012
8	A:431:THR:CG2	G:11:SIA:N	1.010
8	A:504:GLN:HG2	H:12:FUC:HO2	1.004
8	B:498:LEU:HD23	P:1:NAG:H61	0.970
8	A:498:LEU:HD23	H:1:NAG:H61	0.969
8	A:431:THR:HG21	G:11:SIA:H6	0.960
8	A:458:GLU:OE2	H:11:SIA:H7	0.958
8	B:458:GLU:OE2	P:11:SIA:H7	0.956
8	A:491:ARG:CD	I:10:GAL:O4	0.954
8	B:491:ARG:CD	Q:10:GAL:O4	0.953
8	B:491:ARG:HD2	Q:10:GAL:O4	0.943
8	A:491:ARG:HD2	I:10:GAL:O4	0.942
8	A:431:THR:OG1	G:11:SIA:N	0.938
8	B:199:PRO:CG	M:2:NAG:H62	0.929
8	A:199:PRO:CG	E:2:NAG:H62	0.928
8	B:532:ASN:OD1	R:1:NAG:C1	0.928
8	A:532:ASN:OD1	J:1:NAG:C1	0.927
8	B:415:THR:HG23	O:11:SIA:CT	0.926
8	A:415:THR:HG23	G:11:SIA:CT	0.924
8	A:243:ASN:OD1	F:1:NAG:C1	0.914

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:243:ASN:OD1	N:1:NAG:C1	0.913
8	B:415:THR:HG22	O:11:SIA:C	0.910
8	A:415:THR:HG22	G:11:SIA:C	0.909
8	B:491:ARG:HD2	Q:10:GAL:C4	0.894
8	A:491:ARG:HD2	I:10:GAL:C4	0.893
8	B:277:ASP:HB2	N:12:FUC:H2	0.877
8	A:277:ASP:HB2	F:12:FUC:H2	0.876
8	A:491:ARG:CG	I:10:GAL:O3	0.871
8	B:491:ARG:CG	Q:10:GAL:O3	0.871
8	B:277:ASP:CB	N:12:FUC:C2	0.861
8	A:504:GLN:CG	H:12:FUC:HO2	0.859
8	A:277:ASP:CB	F:12:FUC:C2	0.858
8	A:504:GLN:CD	H:12:FUC:O2	0.857
8	A:491:ARG:CZ	I:10:GAL:H2	0.851
8	B:491:ARG:CZ	Q:10:GAL:H2	0.850
8	B:531:SER:O	R:1:NAG:C	0.850
8	A:431:THR:HG21	G:11:SIA:C5	0.848
8	A:352:HIS:CE1	J:5:NAG:H61	0.845
8	B:352:HIS:CE1	R:5:NAG:H61	0.845
8	A:504:GLN:CB	H:12:FUC:O2	0.844
8	A:413:ASN:ND2	G:1:NAG:N	0.838
8	A:501:ASP:OD2	A:502:PHE:HD2	0.837
8	B:501:ASP:OD2	B:502:PHE:HD2	0.835

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:431:THR:HG21	G:11:SIA:C4	0.826
8	A:243:ASN:HD21	F:1:NAG:C1	0.822
8	B:243:ASN:HD21	N:1:NAG:C1	0.821
8	A:431:THR:HG21	G:11:SIA:C6	0.815
8	A:431:THR:HG21	G:11:SIA:H4	0.798
8	A:463:ASN:ND2	H:1:NAG:C1	0.797
8	B:463:ASN:ND2	P:1:NAG:C1	0.796
8	A:413:ASN:ND2	G:1:NAG:C1	0.795
8	A:415:THR:CG2	G:11:SIA:CT	0.788
8	B:415:THR:CG2	O:11:SIA:CT	0.787
8	A:498:LEU:HD11	H:12:FUC:O2	0.781
8	B:498:LEU:HD11	P:12:FUC:O2	0.780
8	A:460:ASN:CG	H:12:FUC:H3	0.768
8	B:460:ASN:CG	P:12:FUC:H3	0.766
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	B:532:ASN:HD21	R:11:SIA:C5	0.759
8	A:532:ASN:HD21	J:11:SIA:C5	0.757
8	A:501:ASP:OD2	A:502:PHE:CD2	0.756
8	A:498:LEU:CD2	H:1:NAG:C5	0.754
8	B:501:ASP:OD2	B:502:PHE:CD2	0.754

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:498:LEU:CD2	P:1:NAG:C5	0.753
8	B:498:LEU:HD21	P:1:NAG:O5	0.752
8	A:498:LEU:HD21	H:1:NAG:O5	0.750
8	B:415:THR:CG2	O:11:SIA:C	0.739
8	A:415:THR:CG2	G:11:SIA:C	0.738
8	B:458:GLU:O	P:11:SIA:CT	0.738
8	A:458:GLU:O	H:11:SIA:CT	0.737
8	A:491:ARG:HG3	I:11:SIA:C3	0.735
8	A:491:ARG:NE	I:10:GAL:H2	0.735
8	B:491:ARG:NE	Q:10:GAL:H2	0.734
8	A:409:ASN:CB	G:1:NAG:O3	0.729
8	B:409:ASN:CB	O:1:NAG:O3	0.729
8	B:531:SER:O	R:1:NAG:O	0.722
8	B:498:LEU:HD21	P:1:NAG:O6	0.721
8	A:498:LEU:HD21	H:1:NAG:O6	0.719
8	A:491:ARG:HD3	I:10:GAL:O4	0.708
8	A:342:PRO:HB2	G:11:SIA:O12	0.706
8	B:491:ARG:HD3	Q:10:GAL:O4	0.705
8	B:243:ASN:HD21	N:1:NAG:C2	0.705
8	B:342:PRO:HB2	O:11:SIA:O12	0.704
8	A:243:ASN:HD21	F:1:NAG:C2	0.704
8	A:148:ARG:HH22	E:2:NAG:H3	0.700
8	B:148:ARG:HH22	M:2:NAG:H3	0.697

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:504:GLN:HB3	H:12:FUC:O2	0.692
8	B:498:LEU:HD11	P:12:FUC:C1	0.692
8	A:498:LEU:HB2	A:502:PHE:O	0.691
8	A:498:LEU:HD11	H:12:FUC:C1	0.691
8	A:148:ARG:NH2	E:2:NAG:C4	0.691
8	B:148:ARG:NH2	M:2:NAG:C4	0.691
8	B:498:LEU:HB2	B:502:PHE:O	0.690
8	A:431:THR:CB	G:11:SIA:N	0.684
8	A:199:PRO:HA	E:2:NAG:O6	0.682
8	B:199:PRO:HA	M:2:NAG:O6	0.682
8	B:277:ASP:OD1	N:12:FUC:C1	0.679
8	A:277:ASP:OD1	F:12:FUC:C1	0.678
8	A:431:THR:HG23	G:11:SIA:O4	0.676
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:277:ASP:N	F:12:FUC:H2	0.668
8	B:277:ASP:N	N:12:FUC:H2	0.668
8	A:460:ASN:H	H:11:SIA:CT	0.655
8	B:460:ASN:H	P:11:SIA:CT	0.654
8	B:498:LEU:CD2	P:1:NAG:O5	0.649
8	A:498:LEU:CD2	H:1:NAG:O5	0.647

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:498:LEU:HG	H:1:NAG:H61	0.620
8	B:28:ARG:CG	B:28:ARG:HH11	0.614
8	B:498:LEU:HG	P:1:NAG:H61	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	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:HB2	O:1:NAG:O3	0.591
8	B:409:ASN:HD22	B:410:ASN:H	0.591
8	A:459:PRO:N	H:11:SIA:CT	0.590
8	A:409:ASN:HB2	G:1:NAG:O3	0.589
8	B:459:PRO:N	P:11:SIA:CT	0.589
8	B:277:ASP:CG	N:12:FUC:C1	0.588
8	A:277:ASP:CG	F:12:FUC:C1	0.587
8	A:498:LEU:HD23	H:1:NAG:H4	0.585
8	B:277:ASP:CB	N:12:FUC:H2	0.585
8	B:498:LEU:HD23	P:1:NAG:H4	0.584
8	A:491:ARG:CG	I:11:SIA:C2	0.583
8	B:491:ARG:CG	Q:11:SIA:C2	0.583
8	A:277:ASP:CB	F:12:FUC:H2	0.581
8	B:532:ASN:ND2	R:11:SIA:O4	0.581
8	A:532:ASN:ND2	J:11:SIA:O4	0.580

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:342:PRO:HB3	G:11:SIA:O11	0.579
8	A:463:ASN:CG	H:1:NAG:C1	0.578
8	B:463:ASN:CG	P:1:NAG:C1	0.578
8	B:342:PRO:HB3	O:11:SIA:O11	0.577
8	B:342:PRO:CB	O:11:SIA:O12	0.575
8	A:342:PRO:CB	G:11:SIA:O12	0.574
8	B:243:ASN:ND2	N:1:NAG:C2	0.569
8	A:431:THR:OG1	G:11:SIA:C	0.565
8	A:391:ASN:HB3	A:393:GLN:HG3	0.560
8	B:391:ASN:HB3	B:393:GLN:HG3	0.560
8	A:352:HIS:CE1	J:5:NAG:C5	0.558
8	B:352:HIS:CE1	R:5:NAG:C5	0.558
8	A:491:ARG:CD	I:10:GAL:C3	0.557
8	B:491:ARG:CD	Q:10:GAL:C3	0.557
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:200:THR:HB	E:5:NAG:CT	0.546
8	B:200:THR:HB	M:5:NAG:CT	0.546
8	A:109:LEU:H	A:109:LEU:HD12	0.545
8	B:109:LEU:H	B:109:LEU:HD12	0.545
8	B:498:LEU:CG	P:1:NAG:C6	0.545

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:277:ASP:HB2	N:12:FUC:O2	0.541
8	B:342:PRO:HB2	O:11:SIA:C1	0.541
8	A:148:ARG:CZ	E:2:NAG:H5	0.540
8	A:342:PRO:HB2	G:11:SIA:C1	0.540
8	B:105:ARG:HG2	B:203:LEU:HB3	0.540
8	B:148:ARG:CZ	M:2:NAG:H5	0.540
8	A:498:LEU:CG	H:1:NAG:C6	0.539
8	A:491:ARG:HH21	I:1:NAG:H3	0.539
8	A:277:ASP:HB2	F:12:FUC:O2	0.538
8	A:342:PRO:CB	G:11:SIA:O11	0.538
8	B:342:PRO:CB	O:11:SIA:O11	0.538
8	B:491:ARG:HG3	Q:11:SIA:C3	0.538
8	B:491:ARG:HH21	Q:1:NAG:H3	0.537
8	A:359:THR:HG22	A:393:GLN:HG2	0.536
8	B:359:THR:HG22	B:393:GLN:HG2	0.536
8	B:352:HIS:HE1	R:5:NAG:H5	0.533
8	A:352:HIS:HE1	J:5:NAG:H5	0.531
8	B:239:VAL:HG13	N:11:SIA:O11	0.524
8	A:342:PRO:CB	G:11:SIA:C1	0.516
8	B:342:PRO:CB	O:11:SIA:C1	0.516
8	A:243:ASN:ND2	F:1:NAG:C2	0.508
8	B:116:SER:C	L:12:FUC:O3	0.507
8	A:116:SER:C	D:12:FUC:O3	0.506

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:511:PHE:CB	I:12:FUC:H2	0.506
8	B:511:PHE:CB	Q:12:FUC:H2	0.506
8	A:352:HIS:HE1	J:5:NAG:C5	0.506
8	B:352:HIS:HE1	R:5:NAG:C5	0.506
8	A:499:ASN:N	A:499:ASN:HD22	0.499
8	B:499:ASN:N	B:499:ASN:HD22	0.497
8	A:498:LEU:HD23	H:1:NAG:C6	0.489
8	B:28:ARG:CG	B:28:ARG:NH1	0.479
8	B:423:ILE:HB	B:424:PRO:HD3	0.479
8	B:498:LEU:HD11	P:12:FUC:C2	0.479
8	A:28:ARG:CG	A:28:ARG:NH1	0.478
8	A:498:LEU:HD11	H:12:FUC:C2	0.478
8	A:423:ILE:HB	A:424:PRO:HD3	0.477
8	B:277:ASP:CA	N:12:FUC:H2	0.472
8	A:277:ASP:H	F:12:FUC:H2	0.472
8	B:491:ARG:NH1	Q:10:GAL:O4	0.471
8	A:277:ASP:CA	F:12:FUC:H2	0.470
8	A:461:SER:HA	H:11:SIA:N	0.470
8	B:277:ASP:H	N:12:FUC:H2	0.470
8	B:532:ASN:ND2	R:11:SIA:CT	0.469
8	A:491:ARG:NH1	I:10:GAL:O4	0.469
8	A:532:ASN:ND2	J:11:SIA:CT	0.468
8	A:491:ARG:NH2	I:1:NAG:O3	0.468

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	B:491:ARG:NH2	Q:1:NAG:O3	0.467
8	A:148:ARG:HH21	E:2:NAG:C2	0.466
8	B:148:ARG:HH21	M:2:NAG:C2	0.466
8	A:409:ASN:HB3	G:1:NAG:O3	0.466
8	B:409:ASN:HB3	O:1:NAG:O3	0.466
8	A:528:PRO:HA	A:529:PRO:HD3	0.457
8	B:528:PRO:HA	B:529:PRO:HD3	0.454
8	A:77:ARG:HH21	A:91:PRO:HB2	0.451
8	A:277:ASP:OD1	F:1:NAG:C6	0.448
8	B:277:ASP:OD1	N:1:NAG:C6	0.448
8	B:460:ASN:N	P:11:SIA:CT	0.447
8	A:460:ASN:N	H:11:SIA:CT	0.446
8	A:498:LEU:CD1	H:12:FUC:C1	0.446
8	B:531:SER:O	R:1:NAG:CT	0.446
8	B:498:LEU:CD1	P:12:FUC:C1	0.445
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
8	A:33:SER:HB3	A:83:ILE:HD12	0.439
8	A:413:ASN:ND2	G:1:NAG:C2	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	A:386:LYS:HD2	A:397:ILE:HD11	0.433

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:532:ASN:HD21	J:11:SIA:C4	0.432
8	B:386:LYS:HD2	B:397:ILE:HD11	0.431
8	B:532:ASN:HD21	R:11:SIA:C4	0.431
8	A:491:ARG:CZ	I:1:NAG:N	0.428
8	A:527:ASN:HA	A:528:PRO:C	0.427
8	B:527:ASN:HA	B:528:PRO:C	0.427
8	A:431:THR:HG1	G:11:SIA:C	0.425
8	B:491:ARG:CZ	Q:1:NAG:N	0.425
8	A:342:PRO:HB3	G:11:SIA:C1	0.422
8	B:342:PRO:HB3	O:11:SIA:C1	0.422
8	A:378:LEU:HD12	A:417:LEU:HG	0.421
8	B:378:LEU:HD12	B:417:LEU:HG	0.421
8	B:231:GLU:HA	B:328:THR:O	0.413
8	A:231:GLU:HA	A:328:THR:O	0.412
8	B:423:ILE:O	B:425:PRO:HD3	0.412
8	A:423:ILE:O	A:425:PRO:HD3	0.411
8	A:199:PRO:CA	E:2:NAG:O6	0.411
8	B:199:PRO:CA	M:2:NAG:O6	0.411
8	A:491:ARG:HD2	I:10:GAL:C2	0.409
8	B:491:ARG:HD2	Q:10:GAL:C2	0.408
8	A:148:ARG:NH2	E:2:NAG:O4	0.407
8	B:148:ARG:NH2	M:2:NAG:O4	0.407
8	A:413:ASN:OD1	G:11:SIA:O6	0.402

Model ID	Atom-1	Atom-2	Clash overlap (Å)
8	A:262:ARG:HH12	A:264:SER:HA	0.401
8	B:262:ARG:HH12	B:264:SER:HA	0.401
9	A:431:THR:HG23	G:11:SIA:C4	1.564
9	A:431:THR:CG2	G:11:SIA:H4	1.536
9	A:280:SER:CB	F:11:SIA:O4	1.389
9	B:280:SER:CB	N:11:SIA:O4	1.386
9	A:460:ASN:HD22	H:1:NAG:CT	1.292
9	B:460:ASN:HD22	P:1:NAG:CT	1.291
9	A:502:PHE:HD1	H:11:SIA:CT	1.264
9	B:502:PHE:HD1	P:11:SIA:CT	1.262
9	A:238:ASP:OD1	F:4:MAN:O6	1.240
9	B:238:ASP:OD1	N:4:MAN:O6	1.236
9	A:431:THR:CG2	G:11:SIA:C4	1.227
9	B:240:ILE:CB	N:2:NAG:C1	1.207
9	A:240:ILE:CB	F:2:NAG:C1	1.205
9	A:502:PHE:CD1	H:11:SIA:CT	1.202
9	B:502:PHE:CD1	P:11:SIA:CT	1.200
9	B:510:LYS:N	Q:11:SIA:H6	1.159
9	A:510:LYS:N	I:11:SIA:H6	1.157
9	A:510:LYS:H	I:11:SIA:H6	1.152
9	B:510:LYS:H	Q:11:SIA:H6	1.152
9	A:409:ASN:HB3	G:1:NAG:O3	1.123
9	B:409:ASN:HB3	O:1:NAG:O3	1.120

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:240:ILE:HB	N:2:NAG:C1	1.105
9	A:240:ILE:HB	F:2:NAG:C1	1.097
9	A:431:THR:HG21	G:11:SIA:H4	1.091
9	A:510:LYS:H	I:11:SIA:C6	1.061
9	B:491:ARG:NH1	Q:2:NAG:H62	1.057
9	B:460:ASN:ND2	P:1:NAG:CT	1.056
9	A:491:ARG:NH1	I:2:NAG:H62	1.055
9	A:159:PRO:HG2	E:9:NAG:CT	1.053
9	A:460:ASN:ND2	H:1:NAG:CT	1.053
9	B:510:LYS:H	Q:11:SIA:C6	1.053
9	B:159:PRO:HG2	M:9:NAG:CT	1.051
9	A:238:ASP:CG	F:4:MAN:O6	1.048
9	B:238:ASP:CG	N:4:MAN:O6	1.045
9	A:110:HIS:CG	D:12:FUC:O3	1.034
9	A:280:SER:HB3	F:11:SIA:O4	1.034
9	B:110:HIS:CG	L:12:FUC:O3	1.033
9	B:510:LYS:HG3	Q:11:SIA:O11	1.030
9	A:510:LYS:HG3	I:11:SIA:O11	1.029
9	B:280:SER:HB3	N:11:SIA:O4	1.029
9	A:409:ASN:CB	G:1:NAG:O3	1.019
9	B:409:ASN:CB	O:1:NAG:O3	1.017
9	B:238:ASP:OD1	N:4:MAN:C6	1.013
9	A:238:ASP:OD1	F:4:MAN:C6	1.012

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:159:PRO:CG	E:9:NAG:CT	1.006
9	B:159:PRO:CG	M:9:NAG:CT	1.006
9	A:511:PHE:H	I:11:SIA:H7	1.006
9	B:511:PHE:H	Q:11:SIA:H7	1.001
9	A:460:ASN:OD1	H:1:NAG:H3	0.998
9	B:498:LEU:HB2	P:11:SIA:H6	0.995
9	B:530:LYS:CE	R:2:NAG:H5	0.994
9	A:166:ASN:HD22	E:1:NAG:C1	0.994
9	B:460:ASN:OD1	P:1:NAG:H3	0.994
9	A:238:ASP:OD2	F:3:BMA:H2	0.993
9	B:238:ASP:OD2	N:3:BMA:H2	0.993
9	A:498:LEU:HB2	H:11:SIA:H6	0.992
9	B:166:ASN:HD22	M:1:NAG:C1	0.992
9	A:530:LYS:CE	J:2:NAG:H5	0.989
9	A:504:GLN:HG2	H:11:SIA:C1	0.979
9	A:159:PRO:HB2	E:9:NAG:CT	0.971
9	B:159:PRO:HB2	M:9:NAG:CT	0.970
9	B:238:ASP:CG	N:4:MAN:C6	0.951
9	A:238:ASP:CG	F:4:MAN:C6	0.949
9	B:110:HIS:CB	L:12:FUC:O3	0.935
9	A:110:HIS:CB	D:12:FUC:O3	0.934
9	A:413:ASN:ND2	G:1:NAG:N	0.933
9	B:460:ASN:CG	P:10:GAL:H2	0.913

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:460:ASN:CG	H:10:GAL:H2	0.912
9	B:460:ASN:OD1	P:1:NAG:C3	0.904
9	A:460:ASN:OD1	H:1:NAG:C3	0.901
9	A:413:ASN:ND2	G:1:NAG:C1	0.898
9	A:280:SER:HB2	F:11:SIA:O4	0.897
9	A:530:LYS:HE2	J:2:NAG:H5	0.897
9	B:280:SER:HB2	N:11:SIA:O4	0.897
9	B:530:LYS:HE2	R:2:NAG:H5	0.894
9	A:280:SER:OG	F:11:SIA:O4	0.890
9	A:511:PHE:H	I:11:SIA:C7	0.886
9	B:511:PHE:H	Q:11:SIA:C7	0.886
9	B:280:SER:OG	N:11:SIA:O4	0.884
9	B:510:LYS:N	Q:11:SIA:C6	0.867
9	B:159:PRO:CB	M:9:NAG:CT	0.860
9	A:510:LYS:N	I:11:SIA:C6	0.860
9	A:159:PRO:CB	E:9:NAG:CT	0.859
9	A:491:ARG:HH12	I:2:NAG:H62	0.857
9	B:491:ARG:HH12	Q:2:NAG:H62	0.856
9	B:166:ASN:HD22	M:1:NAG:C2	0.842
9	A:166:ASN:HD22	E:1:NAG:C2	0.840
9	A:166:ASN:ND2	E:1:NAG:C1	0.839
9	B:166:ASN:ND2	M:1:NAG:C1	0.837
9	A:501:ASP:OD2	A:502:PHE:HD2	0.837

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:501:ASP:OD2	B:502:PHE:HD2	0.835
9	B:491:ARG:NE	Q:1:NAG:C2	0.830
9	A:510:LYS:CA	I:11:SIA:H6	0.828
9	B:510:LYS:CA	Q:11:SIA:H6	0.828
9	A:491:ARG:NE	I:1:NAG:C2	0.828
9	A:504:GLN:N	H:11:SIA:O12	0.828
9	B:460:ASN:ND2	P:10:GAL:H2	0.826
9	A:460:ASN:ND2	H:10:GAL:H2	0.824
9	B:511:PHE:N	Q:11:SIA:H7	0.822
9	A:511:PHE:N	I:11:SIA:H7	0.821
9	A:511:PHE:CB	I:11:SIA:H7	0.816
9	B:511:PHE:CB	Q:11:SIA:H7	0.816
9	B:510:LYS:N	Q:11:SIA:N	0.810
9	A:510:LYS:N	I:11:SIA:N	0.804
9	A:491:ARG:HE	I:1:NAG:C2	0.795
9	B:491:ARG:HE	Q:1:NAG:C2	0.794
9	A:460:ASN:OD1	H:10:GAL:O2	0.794
9	B:460:ASN:OD1	P:10:GAL:O2	0.793
9	A:431:THR:HG23	G:11:SIA:O4	0.790
9	A:342:PRO:HB2	G:11:SIA:O12	0.783
9	B:342:PRO:HB2	O:11:SIA:O12	0.781
9	A:511:PHE:N	I:11:SIA:N	0.781
9	B:511:PHE:N	Q:11:SIA:N	0.781

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:277:ASP:HB2	N:1:NAG:CT	0.766
9	A:499:ASN:H	A:499:ASN:HD22	0.765
9	A:277:ASP:HB2	F:1:NAG:CT	0.764
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:238:ASP:OD2	F:4:MAN:O6	0.758
9	B:238:ASP:OD2	N:4:MAN:O6	0.758
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:CG	H:10:GAL:C2	0.749
9	B:460:ASN:CG	P:10:GAL:C2	0.749
9	A:110:HIS:HB3	D:12:FUC:O3	0.736
9	B:110:HIS:HB3	L:12:FUC:O3	0.736
9	B:238:ASP:OD1	N:4:MAN:H62	0.730
9	A:238:ASP:OD1	F:4:MAN:H62	0.728
9	A:280:SER:CB	F:11:SIA:HO4	0.695
9	A:238:ASP:OD2	F:3:BMA:C2	0.694
9	B:238:ASP:OD2	N:3:BMA:C2	0.694
9	A:498:LEU:HB2	A:502:PHE:O	0.691
9	B:498:LEU:HB2	B:502:PHE:O	0.690
9	B:463:ASN:OD1	P:11:SIA:H31	0.686
9	A:463:ASN:OD1	H:11:SIA:H31	0.685

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:510:LYS:HB2	I:11:SIA:H6	0.682
9	B:510:LYS:HB2	Q:11:SIA:H6	0.682
9	B:499:ASN:N	B:499:ASN:ND2	0.675
9	A:499:ASN:N	A:499:ASN:ND2	0.674
9	B:441:ASP:HB2	R:2:NAG:C	0.672
9	A:499:ASN:H	A:499:ASN:ND2	0.671
9	B:499:ASN:H	B:499:ASN:ND2	0.669
9	A:532:ASN:OD1	J:1:NAG:C1	0.665
9	B:532:ASN:OD1	R:1:NAG:C1	0.664
9	B:510:LYS:CB	Q:11:SIA:H6	0.659
9	A:510:LYS:CB	I:11:SIA:H6	0.658
9	A:504:GLN:CG	H:11:SIA:C1	0.654
9	A:460:ASN:CG	H:10:GAL:HO2	0.645
9	B:460:ASN:CG	P:10:GAL:HO2	0.645
9	A:431:THR:HG23	G:11:SIA:H4	0.642
9	B:280:SER:CB	N:11:SIA:HO4	0.640
9	A:460:ASN:CG	H:10:GAL:O2	0.634
9	B:460:ASN:CG	P:10:GAL:O2	0.634
9	B:342:PRO:CB	O:11:SIA:O12	0.631
9	A:342:PRO:CB	G:11:SIA:O12	0.630
9	B:511:PHE:H	Q:11:SIA:C6	0.630
9	A:511:PHE:H	I:11:SIA:C6	0.629
9	A:238:ASP:CG	F:4:MAN:C5	0.621

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:238:ASP:CG	N:4:MAN:C5	0.621
9	A:238:ASP:OD2	F:4:MAN:C5	0.618
9	B:238:ASP:OD2	N:4:MAN:C5	0.618
9	B:28:ARG:CG	B:28:ARG:HH11	0.614
9	A:238:ASP:CG	F:4:MAN:H5	0.613
9	A:28:ARG:CG	A:28:ARG:HH11	0.612
9	B:238:ASP:CG	N:4:MAN:H5	0.611
9	A:341:ASN:HB3	A:342:PRO:HD3	0.610
9	A:431:THR:HG21	G:11:SIA:C1	0.610
9	B:341:ASN:HB3	B:342:PRO:HD3	0.610
9	B:491:ARG:HH12	Q:2:NAG:C6	0.602
9	A:491:ARG:HH12	I:2:NAG:C6	0.601
9	B:238:ASP:OD2	N:4:MAN:H5	0.600
9	A:238:ASP:OD2	F:4:MAN:H5	0.599
9	B:502:PHE:HB3	P:11:SIA:H7	0.592
9	A:409:ASN:HD22	A:410:ASN:H	0.592
9	A:447:LEU:HB3	A:448:PRO:HD3	0.591
9	A:502:PHE:HB3	H:11:SIA:H7	0.591
9	B:409:ASN:HD22	B:410:ASN:H	0.591
9	B:530:LYS:CE	R:2:NAG:H3	0.584
9	A:530:LYS:CE	J:2:NAG:H3	0.583
9	B:498:LEU:CB	P:11:SIA:H6	0.572
9	A:511:PHE:N	I:11:SIA:H91	0.569

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:511:PHE:N	Q:11:SIA:H91	0.568
9	A:498:LEU:CB	H:11:SIA:H6	0.565
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:488:THR:HG22	B:491:ARG:NH2	0.548
9	A:488:THR:HG22	A:491:ARG:NH2	0.547
9	B:460:ASN:ND2	P:10:GAL:C2	0.547
9	A:110:HIS:HB3	D:12:FUC:C3	0.546
9	B:110:HIS:HB3	L:12:FUC:C3	0.546
9	A:109:LEU:H	A:109:LEU:HD12	0.545
9	B:109:LEU:H	B:109:LEU:HD12	0.545
9	A:460:ASN:ND2	H:10:GAL:C2	0.545
9	A:431:THR:CG2	G:11:SIA:C3	0.541
9	B:105:ARG:HG2	B:203:LEU:HB3	0.540
9	B:502:PHE:CB	P:11:SIA:H7	0.540
9	A:502:PHE:CB	H:11:SIA:H7	0.539
9	A:431:THR:HG21	G:11:SIA:C4	0.538
9	B:238:ASP:OD2	N:4:MAN:C6	0.538
9	A:238:ASP:OD2	F:4:MAN:C6	0.537
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	A:159:PRO:CD	E:9:NAG:CT	0.525
9	A:166:ASN:ND2	E:1:NAG:N	0.525
9	A:413:ASN:ND2	G:1:NAG:C2	0.525
9	B:166:ASN:ND2	M:1:NAG:N	0.525
9	B:159:PRO:CD	M:9:NAG:CT	0.524
9	A:502:PHE:HB3	H:11:SIA:C7	0.507
9	B:502:PHE:HB3	P:11:SIA:C7	0.507
9	A:499:ASN:N	A:499:ASN:HD22	0.499
9	B:499:ASN:N	B:499:ASN:HD22	0.497
9	A:510:LYS:C	I:11:SIA:N	0.495
9	B:510:LYS:C	Q:11:SIA:N	0.494
9	A:413:ASN:OD1	G:11:SIA:O6	0.481
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	A:110:HIS:HB3	D:12:FUC:O4	0.477
9	A:423:ILE:HB	A:424:PRO:HD3	0.477
9	B:110:HIS:HB3	L:12:FUC:O4	0.476
9	A:409:ASN:CG	G:1:NAG:O3	0.471
9	A:510:LYS:CB	I:11:SIA:H91	0.469
9	B:510:LYS:CB	Q:11:SIA:H91	0.469
9	B:491:ARG:NH1	Q:2:NAG:C6	0.469
9	B:409:ASN:CG	O:1:NAG:O3	0.469

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:491:ARG:NH1	I:2:NAG:C6	0.464
9	A:413:ASN:HD21	G:1:NAG:C1	0.463
9	B:511:PHE:CA	Q:11:SIA:H7	0.463
9	B:530:LYS:HE3	R:2:NAG:H3	0.461
9	A:511:PHE:CA	I:11:SIA:H7	0.461
9	A:530:LYS:HE3	J:2:NAG:H3	0.460
9	A:528:PRO:HA	A:529:PRO:HD3	0.457
9	A:504:GLN:HG2	H:11:SIA:O12	0.454
9	B:528:PRO:HA	B:529:PRO:HD3	0.454
9	A:77:ARG:HH21	A:91:PRO:HB2	0.451
9	A:159:PRO:HD2	E:9:NAG:CT	0.449
9	B:159:PRO:HD2	M:9:NAG:CT	0.448
9	A:341:ASN:CB	A:342:PRO:HD3	0.441
9	B:341:ASN:CB	B:342:PRO:HD3	0.441
9	B:33:SER:HB3	B:83:ILE:HD12	0.440
9	A:33:SER:HB3	A:83:ILE:HD12	0.439
9	A:413:ASN:OD1	G:11:SIA:C3	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
9	A:160:ASN:HD22	E:9:NAG:C	0.432
9	A:498:LEU:HB2	H:11:SIA:C6	0.431
9	B:386:LYS:HD2	B:397:ILE:HD11	0.431

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	B:160:ASN:HD22	M:9:NAG:C	0.431
9	B:498:LEU:HB2	P:11:SIA:C6	0.428
9	A:527:ASN:HA	A:528:PRO:C	0.427
9	B:527:ASN:HA	B:528:PRO:C	0.427
9	A:510:LYS:CG	I:11:SIA:O11	0.427
9	B:441:ASP:HB2	R:2:NAG:CT	0.425
9	A:409:ASN:HA	G:2:NAG:H62	0.423
9	B:510:LYS:CG	Q:11:SIA:O11	0.423
9	A:378:LEU:HD12	A:417:LEU:HG	0.421
9	B:378:LEU:HD12	B:417:LEU:HG	0.421
9	B:409:ASN:HA	O:2:NAG:H62	0.418
9	B:110:HIS:CD2	L:12:FUC:O3	0.415
9	B:240:ILE:HB	N:2:NAG:C2	0.414
9	B:231:GLU:HA	B:328:THR:O	0.413
9	A:231:GLU:HA	A:328:THR:O	0.412
9	A:240:ILE:HB	F:2:NAG:C2	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:110:HIS:CD2	D:12:FUC:O3	0.411
9	B:510:LYS:HB2	Q:11:SIA:H91	0.409
9	A:510:LYS:HB2	I:11:SIA:H91	0.408
9	B:148:ARG:HH21	M:2:NAG:H5	0.407
9	A:148:ARG:HH21	E:2:NAG:H5	0.405

Model ID	Atom-1	Atom-2	Clash overlap (Å)
9	A:262:ARG:HH12	A:264:SER:HA	0.401
9	B:262:ARG:HH12	B:264:SER:HA	0.401
10	B:239:VAL:CG1	N:11:SIA:CT	1.554
10	B:239:VAL:HG12	N:11:SIA:CT	1.445
10	B:114:ASN:ND2	L:1:NAG:C1	1.403
10	A:114:ASN:ND2	D:1:NAG:C1	1.399
10	B:532:ASN:HD21	R:1:NAG:C1	1.359
10	A:532:ASN:HD21	J:1:NAG:C1	1.356
10	A:533:ILE:CD1	J:12:FUC:O2	1.321
10	B:533:ILE:CD1	R:12:FUC:O2	1.320
10	B:532:ASN:ND2	R:1:NAG:C1	1.311
10	A:532:ASN:ND2	J:1:NAG:C1	1.308
10	B:30:LYS:HB3	K:12:FUC:O2	1.303
10	B:415:THR:HG22	O:11:SIA:O	1.302
10	A:415:THR:HG22	G:11:SIA:O	1.297
10	A:30:LYS:HB3	C:12:FUC:O2	1.295
10	A:460:ASN:HD22	H:1:NAG:CT	1.264
10	B:460:ASN:HD22	P:1:NAG:CT	1.260
10	B:530:LYS:HB3	R:11:SIA:O	1.244
10	A:530:LYS:HB3	J:11:SIA:O	1.240
10	A:460:ASN:CG	H:1:NAG:N	1.226
10	B:460:ASN:CG	P:1:NAG:N	1.226
10	A:409:ASN:OD1	G:2:NAG:H62	1.198

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:409:ASN:OD1	O:2:NAG:H62	1.197
10	A:530:LYS:HD3	J:11:SIA:N	1.178
10	B:530:LYS:HD3	R:11:SIA:N	1.176
10	B:409:ASN:OD1	O:2:NAG:C6	1.156
10	A:409:ASN:OD1	G:2:NAG:C6	1.155
10	A:532:ASN:CG	J:1:NAG:C1	1.151
10	B:532:ASN:CG	R:1:NAG:C1	1.150
10	B:532:ASN:OD1	R:1:NAG:C1	1.135
10	A:532:ASN:OD1	J:1:NAG:C1	1.134
10	A:342:PRO:HB2	G:11:SIA:O12	1.117
10	A:415:THR:CG2	G:11:SIA:O	1.117
10	B:415:THR:CG2	O:11:SIA:O	1.116
10	B:342:PRO:HB2	O:11:SIA:O12	1.113
10	A:530:LYS:CB	J:11:SIA:O	1.105
10	B:530:LYS:CB	R:11:SIA:O	1.103
10	B:530:LYS:HD3	R:11:SIA:C	1.092
10	A:530:LYS:HD3	J:11:SIA:C	1.091
10	A:458:GLU:OE2	H:2:NAG:C6	1.090
10	B:458:GLU:OE2	P:2:NAG:C6	1.090
10	B:532:ASN:HD21	R:1:NAG:C2	1.084
10	A:532:ASN:HD21	J:1:NAG:C2	1.082
10	A:460:ASN:ND2	H:1:NAG:N	1.068
10	B:460:ASN:ND2	P:1:NAG:N	1.066

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:530:LYS:HB3	J:11:SIA:C	1.065
10	B:530:LYS:HB3	R:11:SIA:C	1.063
10	B:240:ILE:O	N:11:SIA:CT	1.049
10	A:240:ILE:O	F:11:SIA:CT	1.047
10	A:30:LYS:CB	C:12:FUC:O2	1.040
10	B:30:LYS:CB	K:12:FUC:O2	1.038
10	A:460:ASN:ND2	H:1:NAG:CT	1.031
10	B:460:ASN:ND2	P:1:NAG:CT	1.027
10	A:342:PRO:HB2	G:11:SIA:C1	1.025
10	B:342:PRO:HB2	O:11:SIA:C1	1.025
10	A:243:ASN:ND2	F:1:NAG:C1	1.021
10	B:243:ASN:ND2	N:1:NAG:C1	1.020
10	A:409:ASN:HB2	G:1:NAG:O3	1.015
10	B:409:ASN:HB2	O:1:NAG:O3	1.015
10	A:533:ILE:HD12	J:12:FUC:O2	0.992
10	A:30:LYS:HB3	C:12:FUC:HO2	0.991
10	B:533:ILE:HD12	R:12:FUC:O2	0.991
10	B:458:GLU:OE2	P:2:NAG:O6	0.984
10	A:458:GLU:OE2	H:2:NAG:O6	0.983
10	A:114:ASN:ND2	D:1:NAG:C2	0.980
10	B:114:ASN:ND2	L:1:NAG:C2	0.980
10	B:491:ARG:HD2	Q:10:GAL:O4	0.971
10	A:491:ARG:HD2	I:10:GAL:O4	0.970

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:488:THR:HG21	I:1:NAG:O3	0.964
10	B:488:THR:HG21	Q:1:NAG:O3	0.961
10	A:114:ASN:HD21	D:1:NAG:C2	0.955
10	B:114:ASN:HD21	L:1:NAG:C2	0.955
10	B:30:LYS:HB3	K:12:FUC:HO2	0.949
10	A:342:PRO:CB	G:11:SIA:C1	0.901
10	B:342:PRO:CB	O:11:SIA:C1	0.901
10	A:114:ASN:HD21	D:1:NAG:C1	0.893
10	B:114:ASN:HD21	L:1:NAG:C1	0.893
10	B:533:ILE:HD12	R:12:FUC:HO2	0.869
10	A:533:ILE:HD12	J:12:FUC:HO2	0.867
10	B:409:ASN:O	O:1:NAG:CT	0.867
10	A:342:PRO:CB	G:11:SIA:O11	0.866
10	A:409:ASN:O	G:1:NAG:CT	0.866
10	B:342:PRO:CB	O:11:SIA:O11	0.865
10	B:460:ASN:ND2	P:1:NAG:C	0.864
10	A:460:ASN:ND2	H:1:NAG:C	0.863
10	A:342:PRO:HB3	G:11:SIA:O11	0.858
10	B:342:PRO:HB3	O:11:SIA:O11	0.858
10	A:501:ASP:OD2	A:502:PHE:HD2	0.837
10	B:501:ASP:OD2	B:502:PHE:HD2	0.835
10	A:488:THR:CG2	I:1:NAG:O3	0.825
10	B:488:THR:CG2	Q:1:NAG:O3	0.825

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:240:ILE:O	N:11:SIA:C	0.806
10	A:240:ILE:O	F:11:SIA:C	0.805
10	B:240:ILE:HG22	N:11:SIA:O4	0.803
10	A:240:ILE:HG22	F:11:SIA:O4	0.801
10	A:240:ILE:CG2	F:11:SIA:H31	0.799
10	B:240:ILE:CG2	N:11:SIA:H31	0.798
10	A:243:ASN:CG	F:1:NAG:C1	0.796
10	B:243:ASN:CG	N:1:NAG:C1	0.796
10	A:413:ASN:ND2	G:1:NAG:C1	0.794
10	A:533:ILE:HD12	J:12:FUC:C2	0.788
10	A:114:ASN:HD22	D:1:NAG:C1	0.788
10	B:114:ASN:HD22	L:1:NAG:C1	0.788
10	B:533:ILE:HD12	R:12:FUC:C2	0.787
10	A:458:GLU:OE2	H:2:NAG:H62	0.784
10	B:458:GLU:OE2	P:2:NAG:H62	0.782
10	A:240:ILE:HG22	F:11:SIA:H31	0.778
10	B:240:ILE:HG22	N:11:SIA:H31	0.778
10	B:409:ASN:CB	O:1:NAG:O3	0.776
10	A:409:ASN:CB	G:1:NAG:O3	0.775
10	A:499:ASN:H	A:499:ASN:HD22	0.765
10	B:409:ASN:OD1	O:2:NAG:O6	0.765
10	B:499:ASN:HD21	B:502:PHE:HB2	0.764
10	A:409:ASN:OD1	G:2:NAG:O6	0.764

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:499:ASN:HD21	A:502:PHE:HB2	0.763
10	B:499:ASN:H	B:499:ASN:HD22	0.762
10	B:508:LYS:N	Q:11:SIA:CT	0.759
10	A:508:LYS:N	I:11:SIA:CT	0.758
10	A:31:ASN:HB3	C:1:NAG:C1	0.757
10	A:501:ASP:OD2	A:502:PHE:CD2	0.756
10	B:31:ASN:HB3	K:1:NAG:C1	0.755
10	B:501:ASP:OD2	B:502:PHE:CD2	0.754
10	B:460:ASN:CG	P:1:NAG:C	0.731
10	A:342:PRO:CB	G:11:SIA:O12	0.731
10	A:431:THR:OG1	G:11:SIA:N	0.730
10	A:530:LYS:CG	J:11:SIA:O	0.729
10	B:342:PRO:CB	O:11:SIA:O12	0.729
10	B:530:LYS:CG	R:11:SIA:O	0.728
10	A:30:LYS:CG	C:12:FUC:O2	0.725
10	B:30:LYS:CG	K:12:FUC:O2	0.725
10	A:460:ASN:CG	H:1:NAG:C	0.724
10	B:239:VAL:HG13	N:11:SIA:CT	0.715
10	A:487:VAL:C	I:1:NAG:CT	0.709
10	B:487:VAL:C	Q:1:NAG:CT	0.704
10	A:498:LEU:HB2	A:502:PHE:O	0.691
10	B:498:LEU:HB2	B:502:PHE:O	0.690
10	B:409:ASN:N	O:1:NAG:O	0.687

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:409:ASN:N	G:1:NAG:O	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:499:ASN:H	A:499:ASN:ND2	0.671
10	B:240:ILE:HG22	N:11:SIA:C3	0.670
10	B:491:ARG:CZ	Q:10:GAL:H2	0.669
10	B:499:ASN:H	B:499:ASN:ND2	0.669
10	A:240:ILE:HG22	F:11:SIA:C3	0.667
10	A:491:ARG:CZ	I:10:GAL:H2	0.667
10	B:530:LYS:CD	R:11:SIA:C	0.664
10	A:530:LYS:CD	J:11:SIA:C	0.661
10	A:240:ILE:HG22	F:11:SIA:C4	0.652
10	B:240:ILE:O	N:11:SIA:O4	0.652
10	B:240:ILE:HG22	N:11:SIA:C4	0.651
10	A:240:ILE:O	F:11:SIA:O4	0.651
10	A:112:VAL:CG1	D:1:NAG:O6	0.641
10	B:491:ARG:HG2	Q:11:SIA:H31	0.641
10	A:342:PRO:HB3	G:11:SIA:C1	0.640
10	A:491:ARG:HG2	I:11:SIA:H31	0.640
10	A:530:LYS:HB3	J:11:SIA:CT	0.640
10	B:530:LYS:HB3	R:11:SIA:CT	0.640
10	B:112:VAL:CG1	L:1:NAG:O6	0.638
10	B:342:PRO:HB3	O:11:SIA:C1	0.637

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:461:SER:C	H:1:NAG:O	0.631
10	B:491:ARG:HH21	Q:1:NAG:H3	0.620
10	A:491:ARG:HH21	I:1:NAG:H3	0.618
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:491:ARG:CD	I:10:GAL:O4	0.608
10	B:530:LYS:HD3	R:11:SIA:O	0.607
10	B:491:ARG:CD	Q:10:GAL:O4	0.607
10	A:530:LYS:HD3	J:11:SIA:O	0.606
10	A:114:ASN:ND2	D:1:NAG:O5	0.605
10	B:114:ASN:ND2	L:1:NAG:O5	0.604
10	A:491:ARG:HH21	I:1:NAG:C3	0.596
10	B:491:ARG:HH21	Q:1:NAG:C3	0.596
10	A:409:ASN:HD22	A:410:ASN:H	0.592
10	A:447:LEU:HB3	A:448:PRO:HD3	0.591
10	B:409:ASN:HD22	B:410:ASN:H	0.591
10	A:112:VAL:HG11	D:1:NAG:O6	0.590
10	B:112:VAL:HG11	L:1:NAG:O6	0.587
10	A:532:ASN:ND2	J:1:NAG:C2	0.585
10	A:240:ILE:N	F:11:SIA:CT	0.582
10	A:240:ILE:HG21	F:11:SIA:H31	0.581

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:240:ILE:HG21	N:11:SIA:H31	0.580
10	B:240:ILE:N	N:11:SIA:CT	0.580
10	B:532:ASN:ND2	R:1:NAG:C2	0.579
10	A:487:VAL:O	I:1:NAG:CT	0.578
10	A:240:ILE:C	F:11:SIA:HO4	0.577
10	B:240:ILE:C	N:11:SIA:HO4	0.577
10	B:487:VAL:O	Q:1:NAG:CT	0.575
10	A:240:ILE:C	F:11:SIA:O4	0.568
10	B:240:ILE:C	N:11:SIA:O4	0.568
10	B:460:ASN:OD1	P:10:GAL:H2	0.565
10	A:460:ASN:OD1	H:10:GAL:H2	0.564
10	A:391:ASN:HB3	A:393:GLN:HG3	0.560
10	A:498:LEU:HD11	H:11:SIA:H32	0.560
10	B:391:ASN:HB3	B:393:GLN:HG3	0.560
10	B:498:LEU:HD11	P:11:SIA:H32	0.560
10	B:28:ARG:HG2	B:28:ARG:HH11	0.552
10	A:28:ARG:HG2	A:28:ARG:HH11	0.551
10	A:491:ARG:NH2	I:1:NAG:H3	0.549
10	B:491:ARG:NH2	Q:1:NAG:H3	0.549
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:491:ARG:HG2	I:11:SIA:C3	0.540
10	B:105:ARG:HG2	B:203:LEU:HB3	0.540
10	B:491:ARG:HG2	Q:11:SIA:C3	0.539
10	A:359:THR:HG22	A:393:GLN:HG2	0.536
10	B:359:THR:HG22	B:393:GLN:HG2	0.536
10	A:409:ASN:CG	G:2:NAG:H62	0.534
10	B:409:ASN:CG	O:2:NAG:H62	0.534
10	A:415:THR:CG2	G:11:SIA:C	0.532
10	B:415:THR:CG2	O:11:SIA:C	0.531
10	A:409:ASN:C	G:1:NAG:CT	0.519
10	B:409:ASN:C	O:1:NAG:CT	0.519
10	B:530:LYS:CD	R:11:SIA:O	0.517
10	A:530:LYS:CD	J:11:SIA:O	0.515
10	A:431:THR:HG1	G:11:SIA:C	0.514
10	A:114:ASN:HD22	D:1:NAG:C2	0.513
10	B:114:ASN:HD22	L:1:NAG:C2	0.513
10	B:530:LYS:CA	R:11:SIA:O	0.503
10	A:530:LYS:CA	J:11:SIA:O	0.502
10	A:499:ASN:N	A:499:ASN:HD22	0.499
10	A:460:ASN:CB	H:1:NAG:N	0.498
10	B:499:ASN:N	B:499:ASN:HD22	0.497
10	B:460:ASN:CB	P:1:NAG:N	0.495
10	A:508:LYS:H	I:11:SIA:CT	0.491

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:508:LYS:H	Q:11:SIA:CT	0.491
10	B:28:ARG:CG	B:28:ARG:NH1	0.479
10	B:423:ILE:HB	B:424:PRO:HD3	0.479
10	B:460:ASN:OD1	P:10:GAL:C2	0.479
10	A:28:ARG:CG	A:28:ARG:NH1	0.478
10	A:460:ASN:OD1	H:10:GAL:C2	0.478
10	A:423:ILE:HB	A:424:PRO:HD3	0.477
10	A:491:ARG:NH2	I:1:NAG:C3	0.475
10	B:491:ARG:NH2	Q:1:NAG:C3	0.475
10	A:460:ASN:CB	H:10:GAL:H2	0.469
10	B:460:ASN:CB	P:10:GAL:H2	0.468
10	B:491:ARG:HH21	Q:1:NAG:C2	0.465
10	A:491:ARG:HH21	I:1:NAG:C2	0.463
10	B:240:ILE:O	N:11:SIA:C5	0.463
10	B:409:ASN:HB3	O:1:NAG:C	0.462
10	B:533:ILE:CD1	R:12:FUC:HO2	0.462
10	A:409:ASN:HB3	G:1:NAG:C	0.461
10	A:240:ILE:O	F:11:SIA:C5	0.461
10	A:491:ARG:NE	I:10:GAL:H2	0.460
10	B:491:ARG:NE	Q:10:GAL:H2	0.460
10	A:528:PRO:HA	A:529:PRO:HD3	0.457
10	A:533:ILE:CD1	J:12:FUC:HO2	0.457
10	A:533:ILE:CG1	J:12:FUC:O2	0.457

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:240:ILE:O	F:11:SIA:N	0.456
10	B:240:ILE:O	N:11:SIA:N	0.456
10	B:528:PRO:HA	B:529:PRO:HD3	0.454
10	B:533:ILE:CG1	R:12:FUC:O2	0.454
10	B:240:ILE:C	N:11:SIA:CT	0.453
10	A:460:ASN:OD1	H:1:NAG:N	0.452
10	A:77:ARG:HH21	A:91:PRO:HB2	0.451
10	A:240:ILE:C	F:11:SIA:CT	0.451
10	B:114:ASN:CG	L:1:NAG:C1	0.449
10	B:460:ASN:OD1	P:1:NAG:N	0.448
10	A:114:ASN:CG	D:1:NAG:C1	0.447
10	A:163:THR:C	E:1:NAG:CT	0.446
10	A:415:THR:HG23	G:11:SIA:O	0.446
10	A:415:THR:HG23	G:11:SIA:CT	0.445
10	B:415:THR:HG23	O:11:SIA:CT	0.445
10	B:415:THR:HG23	O:11:SIA:O	0.443
10	A:530:LYS:CB	J:11:SIA:C	0.442
10	A:341:ASN:CB	A:342:PRO:HD3	0.441
10	B:341:ASN:CB	B:342:PRO:HD3	0.441
10	B:33:SER:HB3	B:83:ILE:HD12	0.440
10	A:33:SER:HB3	A:83:ILE:HD12	0.439
10	A:431:THR:CB	G:11:SIA:N	0.438
10	A:409:ASN:CB	G:1:NAG:C	0.437

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	A:461:SER:C	H:1:NAG:C	0.437
10	B:409:ASN:CB	O:1:NAG:C	0.437
10	B:530:LYS:CB	R:11:SIA:C	0.437
10	A:485:SER:HA	A:486:PRO:C	0.435
10	B:485:SER:HA	B:486:PRO:C	0.435
10	A:243:ASN:ND2	F:10:GAL:O4	0.435
10	A:491:ARG:NH2	I:1:NAG:N	0.434
10	B:243:ASN:ND2	N:10:GAL:O4	0.434
10	A:458:GLU:OE2	H:2:NAG:H61	0.434
10	A:386:LYS:HD2	A:397:ILE:HD11	0.433
10	B:491:ARG:NH2	Q:1:NAG:N	0.433
10	B:458:GLU:OE2	P:2:NAG:H61	0.432
10	B:386:LYS:HD2	B:397:ILE:HD11	0.431
10	A:530:LYS:NZ	J:11:SIA:H4	0.430
10	B:530:LYS:NZ	R:11:SIA:H4	0.430
10	A:527:ASN:HA	A:528:PRO:C	0.427
10	B:527:ASN:HA	B:528:PRO:C	0.427
10	A:378:LEU:HD12	A:417:LEU:HG	0.421
10	B:378:LEU:HD12	B:417:LEU:HG	0.421
10	A:163:THR:OG1	E:1:NAG:O3	0.421
10	A:431:THR:HG21	G:11:SIA:H6	0.413
10	B:231:GLU:HA	B:328:THR:O	0.413
10	A:231:GLU:HA	A:328:THR:O	0.412

Model ID	Atom-1	Atom-2	Clash overlap (Å)
10	B:423:ILE:O	B:425:PRO:HD3	0.412
10	A:423:ILE:O	A:425:PRO:HD3	0.411
10	A:498:LEU:HG	H:11:SIA:C1	0.402
10	B:498:LEU:HG	P:11:SIA:C1	0.402
10	A:262:ARG:HH12	A:264:SER:HA	0.401
10	B:262:ARG:HH12	B:264:SER:HA	0.401
11	A:459:PRO:CG	H:9:NAG:CT	1.483
11	B:459:PRO:CG	P:9:NAG:CT	1.482
11	B:185:GLN:NE2	L:12:FUC:C2	1.469
11	A:185:GLN:NE2	D:12:FUC:C2	1.468
11	A:459:PRO:HG2	H:9:NAG:CT	1.446
11	B:459:PRO:HG2	P:9:NAG:CT	1.443
11	B:460:ASN:HD22	P:1:NAG:CT	1.434
11	A:460:ASN:HD22	H:1:NAG:CT	1.430
11	A:504:GLN:CB	H:10:GAL:O3	1.408
11	A:460:ASN:ND2	H:1:NAG:N	1.407
11	B:460:ASN:ND2	P:1:NAG:N	1.407
11	B:185:GLN:CD	L:12:FUC:H2	1.405
11	A:460:ASN:CG	H:1:NAG:N	1.404
11	A:185:GLN:CD	D:12:FUC:H2	1.402
11	B:460:ASN:CG	P:1:NAG:N	1.401
11	B:445:GLN:OE1	R:11:SIA:CT	1.370
11	B:502:PHE:HD1	P:11:SIA:CT	1.368

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:445:GLN:OE1	J:11:SIA:CT	1.367
11	A:502:PHE:HD1	H:11:SIA:CT	1.366
11	A:502:PHE:CA	H:11:SIA:O	1.359
11	B:502:PHE:CA	P:11:SIA:O	1.359
11	A:185:GLN:NE2	D:12:FUC:H2	1.359
11	B:185:GLN:NE2	L:12:FUC:H2	1.359
11	A:502:PHE:CB	H:11:SIA:C	1.308
11	B:502:PHE:CB	P:11:SIA:C	1.307
11	A:502:PHE:HB3	H:11:SIA:N	1.305
11	B:498:LEU:CB	P:11:SIA:O9	1.302
11	A:498:LEU:CB	H:11:SIA:O9	1.301
11	B:502:PHE:HB3	P:11:SIA:N	1.301
11	A:502:PHE:C	H:11:SIA:N	1.289
11	B:502:PHE:C	P:11:SIA:N	1.289
11	A:502:PHE:CA	H:11:SIA:C	1.288
11	B:502:PHE:CA	P:11:SIA:C	1.287
11	A:199:PRO:HG3	E:12:FUC:C4	1.273
11	B:199:PRO:HG3	M:12:FUC:C4	1.271
11	A:240:ILE:HD13	F:10:GAL:C2	1.263
11	A:502:PHE:HA	H:11:SIA:C	1.262
11	B:240:ILE:HD13	N:10:GAL:C2	1.262
11	B:502:PHE:HA	P:11:SIA:C	1.260
11	A:199:PRO:HG3	E:12:FUC:O4	1.257

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:459:PRO:CB	H:9:NAG:CT	1.255
11	B:199:PRO:HG3	M:12:FUC:O4	1.255
11	B:459:PRO:CB	P:9:NAG:CT	1.254
11	A:502:PHE:CA	H:11:SIA:N	1.246
11	B:502:PHE:CA	P:11:SIA:N	1.244
11	B:502:PHE:CB	P:11:SIA:N	1.234
11	A:502:PHE:CB	H:11:SIA:N	1.231
11	A:498:LEU:HB3	H:11:SIA:O9	1.221
11	B:498:LEU:HB3	P:11:SIA:O9	1.220
11	A:148:ARG:NH2	E:12:FUC:H61	1.218
11	B:148:ARG:NH2	M:12:FUC:H61	1.218
11	B:159:PRO:C	M:4:MAN:O4	1.211
11	A:159:PRO:C	E:4:MAN:O4	1.210
11	A:460:ASN:OD1	H:1:NAG:H3	1.208
11	B:460:ASN:OD1	P:1:NAG:H3	1.208
11	A:199:PRO:CG	E:12:FUC:O4	1.197
11	B:199:PRO:CG	M:12:FUC:O4	1.197
11	B:502:PHE:CD1	P:11:SIA:CT	1.180
11	A:502:PHE:CD1	H:11:SIA:CT	1.179
11	A:460:ASN:ND2	H:1:NAG:CT	1.175
11	B:460:ASN:ND2	P:1:NAG:CT	1.172
11	B:240:ILE:HD11	N:10:GAL:O4	1.170
11	A:502:PHE:CD1	H:11:SIA:C	1.167

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:502:PHE:CD1	P:11:SIA:C	1.166
11	A:240:ILE:HD11	F:10:GAL:O4	1.165
11	B:155:SER:OG	M:5:NAG:H4	1.164
11	A:155:SER:OG	E:5:NAG:H4	1.160
11	A:502:PHE:HA	H:11:SIA:O	1.154
11	B:502:PHE:HA	P:11:SIA:O	1.152
11	B:159:PRO:O	M:4:MAN:C4	1.151
11	A:240:ILE:CB	F:1:NAG:CT	1.149
11	A:159:PRO:O	E:4:MAN:C4	1.149
11	B:240:ILE:CB	N:1:NAG:CT	1.148
11	B:148:ARG:NH2	M:12:FUC:C6	1.145
11	A:148:ARG:NH2	E:12:FUC:C6	1.143
11	A:240:ILE:HG22	F:1:NAG:C	1.140
11	B:240:ILE:HG22	N:1:NAG:C	1.139
11	A:399:VAL:HG21	J:4:MAN:C1	1.131
11	B:399:VAL:HG21	R:4:MAN:C1	1.124
11	B:460:ASN:HB3	P:1:NAG:O3	1.122
11	A:460:ASN:HB3	H:1:NAG:O3	1.121
11	B:185:GLN:NE2	L:12:FUC:C1	1.105
11	A:185:GLN:NE2	D:12:FUC:C1	1.104
11	A:185:GLN:HE22	D:12:FUC:C1	1.099
11	B:185:GLN:HE22	L:12:FUC:C1	1.098
11	A:504:GLN:NE2	H:10:GAL:C2	1.097

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:504:GLN:HB3	H:10:GAL:O3	1.094
11	A:504:GLN:HE21	H:10:GAL:H2	1.086
11	B:496:ASN:O	P:11:SIA:O12	1.082
11	A:496:ASN:O	H:11:SIA:O12	1.081
11	B:240:ILE:CD1	N:10:GAL:O4	1.080
11	A:240:ILE:CD1	F:10:GAL:O4	1.079
11	A:460:ASN:ND2	H:1:NAG:C	1.076
11	B:460:ASN:ND2	P:1:NAG:C	1.075
11	A:409:ASN:ND2	G:9:NAG:O3	1.066
11	B:409:ASN:ND2	O:9:NAG:O3	1.059
11	A:504:GLN:HE21	H:10:GAL:C2	1.054
11	A:504:GLN:NE2	H:10:GAL:H2	1.040
11	B:240:ILE:CG2	N:1:NAG:C	1.038
11	A:240:ILE:CG2	F:1:NAG:C	1.036
11	A:240:ILE:CD1	F:10:GAL:O5	1.029
11	B:240:ILE:CD1	N:10:GAL:O5	1.029
11	B:502:PHE:CG	P:11:SIA:C	1.010
11	A:408:LYS:HB2	G:1:NAG:O	1.008
11	B:240:ILE:HD11	N:10:GAL:C4	1.008
11	A:502:PHE:CG	H:11:SIA:C	1.008
11	A:240:ILE:HD11	F:10:GAL:C4	1.007
11	B:408:LYS:HB2	O:1:NAG:O	1.005
11	A:240:ILE:HG23	F:1:NAG:CT	0.997

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:240:ILE:HG23	N:1:NAG:CT	0.997
11	B:502:PHE:CG	P:11:SIA:O	0.993
11	A:502:PHE:CG	H:11:SIA:O	0.992
11	B:498:LEU:CB	P:11:SIA:HO9	0.988
11	A:199:PRO:CD	E:12:FUC:O3	0.985
11	B:199:PRO:CD	M:12:FUC:O3	0.985
11	A:504:GLN:CG	H:10:GAL:O3	0.985
11	A:498:LEU:CB	H:11:SIA:HO9	0.985
11	A:240:ILE:HD13	F:10:GAL:H2	0.980
11	B:240:ILE:HD13	N:10:GAL:H2	0.979
11	A:413:ASN:OD1	G:11:SIA:O7	0.979
11	B:460:ASN:OD1	P:1:NAG:C3	0.975
11	A:460:ASN:OD1	H:1:NAG:C3	0.974
11	B:148:ARG:HH21	M:12:FUC:H61	0.967
11	B:491:ARG:NH2	Q:1:NAG:N	0.967
11	B:502:PHE:HB3	P:11:SIA:C	0.965
11	A:148:ARG:HH21	E:12:FUC:H61	0.965
11	A:502:PHE:HB3	H:11:SIA:C	0.964
11	B:408:LYS:CB	O:1:NAG:O	0.964
11	A:408:LYS:CB	G:1:NAG:O	0.963
11	A:491:ARG:NH2	I:1:NAG:N	0.962
11	A:185:GLN:OE1	D:12:FUC:O4	0.960
11	B:199:PRO:HG3	M:12:FUC:C3	0.959

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:199:PRO:HG3	E:12:FUC:C3	0.958
11	B:185:GLN:OE1	L:12:FUC:O4	0.958
11	B:408:LYS:N	O:1:NAG:CT	0.957
11	A:408:LYS:N	G:1:NAG:CT	0.956
11	B:212:THR:OG1	L:12:FUC:O2	0.954
11	A:410:ASN:ND2	G:10:GAL:H62	0.947
11	A:488:THR:OG1	I:1:NAG:H4	0.947
11	B:410:ASN:ND2	O:10:GAL:H62	0.947
11	A:512:GLU:N	I:11:SIA:H7	0.943
11	B:488:THR:OG1	Q:1:NAG:H4	0.943
11	B:512:GLU:N	Q:11:SIA:H7	0.940
11	A:185:GLN:HE21	D:12:FUC:H2	0.939
11	A:460:ASN:CG	H:10:GAL:H2	0.938
11	B:460:ASN:CG	P:10:GAL:H2	0.937
11	B:185:GLN:HE21	L:12:FUC:H2	0.934
11	A:504:GLN:HB3	H:11:SIA:C2	0.927
11	A:240:ILE:HD11	F:10:GAL:C5	0.922
11	B:240:ILE:HD11	N:10:GAL:C5	0.921
11	A:410:ASN:HD21	G:10:GAL:C6	0.914
11	B:410:ASN:HD21	O:10:GAL:C6	0.912
11	A:410:ASN:CG	G:10:GAL:H62	0.899
11	A:502:PHE:CD1	H:11:SIA:O	0.898
11	B:199:PRO:HD3	M:12:FUC:O3	0.898

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:199:PRO:HD3	E:12:FUC:O3	0.897
11	B:410:ASN:CG	O:10:GAL:H62	0.897
11	B:502:PHE:CD1	P:11:SIA:O	0.897
11	A:502:PHE:HD1	H:11:SIA:C	0.895
11	B:502:PHE:HD1	P:11:SIA:C	0.894
11	A:410:ASN:OD1	G:10:GAL:H62	0.888
11	B:410:ASN:OD1	O:10:GAL:H62	0.888
11	A:460:ASN:CG	H:1:NAG:C2	0.887
11	B:460:ASN:CG	P:1:NAG:C2	0.887
11	A:240:ILE:CD1	F:10:GAL:C2	0.884
11	B:240:ILE:CD1	N:10:GAL:C2	0.884
11	B:409:ASN:H	O:1:NAG:C	0.884
11	A:409:ASN:H	G:1:NAG:C	0.883
11	A:459:PRO:HB3	H:9:NAG:CT	0.881
11	B:459:PRO:HB3	P:9:NAG:CT	0.879
11	A:240:ILE:CG2	F:1:NAG:CT	0.877
11	B:445:GLN:NE2	R:1:NAG:O5	0.877
11	B:240:ILE:CG2	N:1:NAG:CT	0.876
11	B:459:PRO:CB	P:9:NAG:C	0.876
11	A:459:PRO:CB	H:9:NAG:C	0.875
11	A:445:GLN:NE2	J:1:NAG:O5	0.875
11	A:455:GLU:OE2	I:11:SIA:H4	0.871
11	B:455:GLU:OE2	Q:11:SIA:H4	0.871

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:155:SER:CB	E:5:NAG:H4	0.858
11	B:155:SER:CB	M:5:NAG:H4	0.856
11	A:277:ASP:HB2	F:11:SIA:O11	0.850
11	B:277:ASP:HB2	N:11:SIA:O11	0.848
11	A:445:GLN:HB3	J:11:SIA:CT	0.843
11	B:445:GLN:HB3	R:11:SIA:CT	0.843
11	A:185:GLN:CD	D:12:FUC:O4	0.838
11	B:185:GLN:CD	L:12:FUC:O4	0.837
11	A:501:ASP:OD2	A:502:PHE:HD2	0.837
11	B:501:ASP:OD2	B:502:PHE:HD2	0.835
11	A:502:PHE:CB	H:11:SIA:O	0.828
11	B:240:ILE:HD11	N:10:GAL:O5	0.825
11	B:502:PHE:CB	P:11:SIA:O	0.824
11	A:200:THR:HG22	E:11:SIA:C3	0.822
11	A:240:ILE:HD11	F:10:GAL:O5	0.821
11	B:200:THR:HG22	M:11:SIA:C3	0.821
11	A:460:ASN:CG	H:1:NAG:C3	0.817
11	B:460:ASN:CG	P:1:NAG:C3	0.817
11	A:185:GLN:CD	D:12:FUC:C2	0.815
11	B:185:GLN:CD	L:12:FUC:C2	0.815
11	A:460:ASN:OD1	H:1:NAG:C2	0.809
11	B:460:ASN:OD1	P:1:NAG:C2	0.809
11	A:148:ARG:HH21	E:12:FUC:C6	0.809

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:148:ARG:HH21	M:12:FUC:C6	0.809
11	A:460:ASN:ND2	H:10:GAL:H2	0.806
11	B:460:ASN:ND2	P:10:GAL:H2	0.804
11	A:460:ASN:CG	H:1:NAG:H3	0.798
11	B:460:ASN:CG	P:1:NAG:H3	0.798
11	A:498:LEU:CG	H:11:SIA:O9	0.793
11	B:498:LEU:CG	P:11:SIA:O9	0.793
11	A:498:LEU:HB3	H:11:SIA:C9	0.791
11	A:199:PRO:CG	E:12:FUC:C4	0.790
11	A:460:ASN:CG	H:10:GAL:C2	0.790
11	B:199:PRO:CG	M:12:FUC:C4	0.789
11	B:460:ASN:CG	P:1:NAG:C	0.789
11	B:498:LEU:HB3	P:11:SIA:C9	0.789
11	A:504:GLN:HG2	H:11:SIA:O12	0.788
11	A:240:ILE:CD1	F:10:GAL:H2	0.788
11	B:460:ASN:CG	P:10:GAL:C2	0.787
11	B:459:PRO:HB3	P:9:NAG:C	0.786
11	B:240:ILE:CD1	N:10:GAL:H2	0.786
11	A:459:PRO:HB3	H:9:NAG:C	0.785
11	A:460:ASN:CG	H:1:NAG:C	0.783
11	A:185:GLN:HE21	D:12:FUC:C2	0.783
11	B:185:GLN:HE21	L:12:FUC:C2	0.778
11	B:460:ASN:OD1	P:10:GAL:O2	0.766

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:499:ASN:H	A:499:ASN:HD22	0.765
11	A:460:ASN:OD1	H:10:GAL:O2	0.765
11	B:499:ASN:HD21	B:502:PHE:HB2	0.764
11	A:499:ASN:HD21	A:502:PHE:HB2	0.763
11	B:499:ASN:H	B:499:ASN:HD22	0.762
11	A:512:GLU:N	I:11:SIA:C7	0.757
11	B:512:GLU:N	Q:11:SIA:C7	0.757
11	A:501:ASP:OD2	A:502:PHE:CD2	0.756
11	A:199:PRO:CG	E:12:FUC:O3	0.755
11	B:199:PRO:CG	M:12:FUC:O3	0.754
11	B:501:ASP:OD2	B:502:PHE:CD2	0.754
11	B:410:ASN:HD21	O:10:GAL:H62	0.753
11	A:463:ASN:OD1	H:11:SIA:H31	0.751
11	B:433:GLN:OE1	O:11:SIA:C2	0.751
11	A:433:GLN:OE1	G:11:SIA:C2	0.750
11	A:200:THR:HG22	E:11:SIA:H32	0.749
11	A:410:ASN:HD21	G:10:GAL:H62	0.749
11	B:463:ASN:OD1	P:11:SIA:H31	0.749
11	A:410:ASN:OD1	G:10:GAL:O4	0.748
11	B:199:PRO:HG3	M:12:FUC:O3	0.747
11	B:200:THR:HG22	M:11:SIA:H32	0.746
11	A:199:PRO:HG3	E:12:FUC:O3	0.745
11	B:410:ASN:OD1	O:10:GAL:O4	0.744

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:532:ASN:HD21	R:11:SIA:H31	0.742
11	A:532:ASN:HD21	J:11:SIA:H31	0.740
11	A:240:ILE:HG22	F:1:NAG:CT	0.739
11	B:240:ILE:HG22	N:1:NAG:CT	0.736
11	A:498:LEU:CA	H:11:SIA:O11	0.735
11	B:498:LEU:CA	P:11:SIA:O11	0.733
11	A:240:ILE:CD1	F:10:GAL:C1	0.731
11	B:240:ILE:CD1	N:10:GAL:C1	0.730
11	A:240:ILE:CG1	F:10:GAL:O4	0.729
11	B:240:ILE:CG1	N:10:GAL:O4	0.727
11	B:277:ASP:HB2	N:11:SIA:C1	0.725
11	A:277:ASP:HB2	F:11:SIA:C1	0.724
11	A:504:GLN:HG2	H:10:GAL:O3	0.723
11	B:502:PHE:HB3	P:11:SIA:H7	0.723
11	A:502:PHE:HB3	H:11:SIA:H7	0.722
11	B:200:THR:HG22	M:11:SIA:C1	0.713
11	B:240:ILE:HD13	N:10:GAL:C1	0.713
11	A:240:ILE:HD13	F:10:GAL:C1	0.712
11	A:200:THR:HG22	E:11:SIA:C1	0.707
11	B:240:ILE:CD1	N:10:GAL:C4	0.706
11	A:240:ILE:CD1	F:10:GAL:C4	0.704
11	A:512:GLU:HB2	I:11:SIA:H7	0.699
11	B:155:SER:HB2	M:5:NAG:O5	0.698

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:512:GLU:HB2	Q:11:SIA:H7	0.698
11	A:504:GLN:NE2	H:10:GAL:O5	0.698
11	A:155:SER:HB2	E:5:NAG:O5	0.696
11	B:148:ARG:HD2	M:1:NAG:H5	0.696
11	A:240:ILE:HG21	F:1:NAG:CT	0.696
11	B:240:ILE:HG21	N:1:NAG:CT	0.696
11	A:148:ARG:HD2	E:1:NAG:H5	0.695
11	A:148:ARG:CD	E:1:NAG:H5	0.693
11	B:148:ARG:CD	M:1:NAG:H5	0.693
11	B:460:ASN:CB	P:1:NAG:O3	0.693
11	A:488:THR:HG22	I:1:NAG:C	0.692
11	A:498:LEU:HB2	A:502:PHE:O	0.691
11	B:488:THR:HG22	Q:1:NAG:C	0.691
11	B:498:LEU:HB2	B:502:PHE:O	0.690
11	A:460:ASN:CB	H:1:NAG:O3	0.690
11	A:159:PRO:HG3	E:5:NAG:O6	0.688
11	B:159:PRO:HG3	M:5:NAG:O6	0.688
11	A:459:PRO:HG3	H:9:NAG:CT	0.685
11	B:498:LEU:HB3	P:11:SIA:HO9	0.683
11	B:459:PRO:HG3	P:9:NAG:CT	0.681
11	A:498:LEU:HB3	H:11:SIA:HO9	0.680
11	A:409:ASN:HB2	G:1:NAG:O3	0.679
11	B:409:ASN:HB2	O:1:NAG:O3	0.677

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:185:GLN:CG	D:12:FUC:H2	0.677
11	B:185:GLN:CG	L:12:FUC:H2	0.677
11	B:499:ASN:N	B:499:ASN:ND2	0.675
11	A:499:ASN:N	A:499:ASN:ND2	0.674
11	A:499:ASN:H	A:499:ASN:ND2	0.671
11	B:499:ASN:H	B:499:ASN:ND2	0.669
11	A:159:PRO:O	E:4:MAN:O4	0.668
11	B:159:PRO:O	M:4:MAN:O4	0.668
11	B:240:ILE:HG21	N:1:NAG:C	0.667
11	B:199:PRO:HG2	M:12:FUC:O4	0.665
11	A:532:ASN:OD1	J:1:NAG:C	0.664
11	B:532:ASN:OD1	R:1:NAG:C	0.664
11	A:199:PRO:HG2	E:12:FUC:O4	0.663
11	A:240:ILE:HG21	F:1:NAG:C	0.662
11	B:240:ILE:HD11	N:10:GAL:HO4	0.651
11	A:240:ILE:HD11	F:10:GAL:HO4	0.650
11	A:280:SER:OG	F:11:SIA:H7	0.647
11	B:280:SER:OG	N:11:SIA:H7	0.647
11	A:445:GLN:CD	J:11:SIA:CT	0.645
11	B:445:GLN:CD	R:11:SIA:CT	0.644
11	A:459:PRO:HB2	H:9:NAG:C	0.641
11	A:408:LYS:CA	G:1:NAG:O	0.637
11	B:408:LYS:CA	O:1:NAG:O	0.636

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:532:ASN:ND2	J:1:NAG:C1	0.634
11	B:532:ASN:ND2	R:1:NAG:C1	0.634
11	B:148:ARG:HH22	M:12:FUC:C6	0.631
11	A:148:ARG:HH22	E:12:FUC:C6	0.630
11	B:445:GLN:HE22	R:1:NAG:C1	0.628
11	B:459:PRO:HB2	P:9:NAG:C	0.627
11	A:445:GLN:HE22	J:1:NAG:C1	0.627
11	A:460:ASN:HB3	H:1:NAG:C3	0.624
11	A:532:ASN:ND2	J:11:SIA:H31	0.624
11	B:532:ASN:ND2	R:11:SIA:H31	0.624
11	B:460:ASN:HB3	P:1:NAG:C3	0.623
11	B:433:GLN:OE1	O:11:SIA:C1	0.619
11	A:408:LYS:N	G:1:NAG:O	0.618
11	B:408:LYS:N	O:1:NAG:O	0.617
11	A:433:GLN:OE1	G:11:SIA:C1	0.617
11	B:28:ARG:CG	B:28:ARG:HH11	0.614
11	B:408:LYS:N	O:1:NAG:C	0.614
11	A:408:LYS:N	G:1:NAG:C	0.613
11	A:28:ARG:CG	A:28:ARG:HH11	0.612
11	A:341:ASN:HB3	A:342:PRO:HD3	0.610
11	B:341:ASN:HB3	B:342:PRO:HD3	0.610
11	B:460:ASN:HB2	P:9:NAG:C3	0.610
11	A:460:ASN:HB2	H:9:NAG:C3	0.609

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:459:PRO:HB2	P:9:NAG:CT	0.608
11	A:433:GLN:HE21	G:11:SIA:CT	0.606
11	B:433:GLN:HE21	O:11:SIA:CT	0.605
11	A:459:PRO:HB2	H:9:NAG:CT	0.604
11	B:240:ILE:HD12	N:10:GAL:O5	0.602
11	A:240:ILE:HD12	F:10:GAL:O5	0.601
11	A:240:ILE:HG12	F:10:GAL:O4	0.599
11	B:460:ASN:HB2	P:9:NAG:O4	0.599
11	A:460:ASN:HB2	H:9:NAG:O4	0.598
11	B:240:ILE:HG12	N:10:GAL:O4	0.597
11	A:409:ASN:HD22	A:410:ASN:H	0.592
11	A:447:LEU:HB3	A:448:PRO:HD3	0.591
11	A:504:GLN:HB3	H:10:GAL:C3	0.591
11	A:460:ASN:OD1	H:10:GAL:C2	0.591
11	B:409:ASN:HD22	B:410:ASN:H	0.591
11	B:460:ASN:OD1	P:10:GAL:C2	0.589
11	A:512:GLU:CB	I:11:SIA:H7	0.588
11	B:512:GLU:CB	Q:11:SIA:H7	0.588
11	A:399:VAL:HG21	J:3:BMA:O3	0.574
11	A:460:ASN:CB	H:9:NAG:O4	0.574
11	B:460:ASN:CB	P:9:NAG:O4	0.574
11	B:445:GLN:NE2	R:1:NAG:C1	0.574
11	A:445:GLN:NE2	J:1:NAG:C1	0.573

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:460:ASN:CG	H:9:NAG:O4	0.571
11	B:498:LEU:N	P:11:SIA:O11	0.571
11	B:399:VAL:HG21	R:3:BMA:O3	0.570
11	B:460:ASN:CG	P:9:NAG:O4	0.570
11	A:199:PRO:N	E:12:FUC:O3	0.570
11	A:498:LEU:N	H:11:SIA:O11	0.569
11	B:199:PRO:N	M:12:FUC:O3	0.569
11	B:488:THR:OG1	Q:1:NAG:C4	0.567
11	A:488:THR:OG1	I:1:NAG:C4	0.566
11	A:445:GLN:CB	J:11:SIA:CT	0.561
11	B:445:GLN:CB	R:11:SIA:CT	0.561
11	A:460:ASN:OD1	H:9:NAG:O4	0.561
11	B:460:ASN:OD1	P:9:NAG:O4	0.561
11	A:391:ASN:HB3	A:393:GLN:HG3	0.560
11	B:391:ASN:HB3	B:393:GLN:HG3	0.560
11	A:277:ASP:OD1	F:11:SIA:O11	0.559
11	A:342:PRO:CB	G:11:SIA:O	0.558
11	B:200:THR:HG22	M:11:SIA:C2	0.558
11	B:342:PRO:CB	O:11:SIA:O	0.558
11	B:277:ASP:OD1	N:11:SIA:O11	0.558
11	A:200:THR:HG22	E:11:SIA:C2	0.557
11	A:148:ARG:NH2	E:12:FUC:H62	0.557
11	B:148:ARG:NH2	M:12:FUC:H62	0.556

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:277:ASP:CB	N:11:SIA:O11	0.553
11	B:28:ARG:HG2	B:28:ARG:HH11	0.552
11	A:28:ARG:HG2	A:28:ARG:HH11	0.551
11	A:277:ASP:CB	F:11:SIA:O11	0.551
11	B:399:VAL:HG11	R:5:NAG:N	0.550
11	A:460:ASN:HB2	H:9:NAG:H3	0.549
11	A:504:GLN:HG2	H:11:SIA:C1	0.549
11	B:460:ASN:HB2	P:9:NAG:H3	0.549
11	B:409:ASN:N	O:1:NAG:C	0.549
11	B:488:THR:HG22	B:491:ARG:NH2	0.548
11	A:409:ASN:N	G:1:NAG:C	0.548
11	B:460:ASN:CB	P:1:NAG:C3	0.548
11	A:460:ASN:CB	H:1:NAG:C3	0.547
11	A:461:SER:C	H:1:NAG:O	0.547
11	A:488:THR:HG22	A:491:ARG:NH2	0.547
11	A:109:LEU:H	A:109:LEU:HD12	0.545
11	A:399:VAL:HG11	J:5:NAG:N	0.545
11	B:109:LEU:H	B:109:LEU:HD12	0.545
11	A:504:GLN:NE2	H:10:GAL:C1	0.545
11	A:504:GLN:CB	H:10:GAL:C3	0.543
11	B:105:ARG:HG2	B:203:LEU:HB3	0.540
11	A:359:THR:HG22	A:393:GLN:HG2	0.536
11	B:199:PRO:HG3	M:12:FUC:H4	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:359:THR:HG22	B:393:GLN:HG2	0.536
11	A:199:PRO:CB	E:12:FUC:H4	0.534
11	B:199:PRO:CB	M:12:FUC:H4	0.534
11	A:460:ASN:CB	H:1:NAG:N	0.534
11	A:199:PRO:HB3	E:12:FUC:H4	0.532
11	B:199:PRO:HB3	M:12:FUC:H4	0.532
11	A:199:PRO:HG3	E:12:FUC:H4	0.531
11	B:460:ASN:CB	P:1:NAG:N	0.531
11	A:533:ILE:C	J:11:SIA:O4	0.522
11	B:533:ILE:C	R:11:SIA:O4	0.521
11	B:460:ASN:OD1	P:1:NAG:C1	0.519
11	A:460:ASN:OD1	H:1:NAG:C1	0.518
11	A:488:THR:O	I:1:NAG:C1	0.512
11	B:488:THR:O	Q:1:NAG:C1	0.512
11	A:413:ASN:ND2	G:1:NAG:C1	0.510
11	B:200:THR:HG22	M:11:SIA:H4	0.505
11	A:200:THR:CG2	E:11:SIA:H32	0.505
11	B:200:THR:CG2	M:11:SIA:H32	0.505
11	A:200:THR:HG22	E:11:SIA:H4	0.504
11	A:342:PRO:CA	G:11:SIA:O	0.504
11	B:342:PRO:CA	O:11:SIA:O	0.504
11	A:512:GLU:CA	I:11:SIA:H7	0.502
11	B:512:GLU:CA	Q:11:SIA:H7	0.500

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	A:499:ASN:N	A:499:ASN:HD22	0.499
11	B:499:ASN:N	B:499:ASN:HD22	0.497
11	B:159:PRO:HG3	M:5:NAG:O5	0.496
11	A:159:PRO:HG3	E:5:NAG:O5	0.495
11	B:148:ARG:NH2	M:12:FUC:C5	0.495
11	A:461:SER:C	H:1:NAG:C	0.494
11	A:148:ARG:NH2	E:12:FUC:C5	0.493
11	B:445:GLN:CG	R:1:NAG:O6	0.487
11	B:460:ASN:CG	P:10:GAL:HO2	0.487
11	A:445:GLN:CG	J:1:NAG:O6	0.485
11	A:460:ASN:CG	H:10:GAL:HO2	0.485
11	A:460:ASN:ND2	H:10:GAL:C2	0.480
11	B:460:ASN:ND2	P:10:GAL:C2	0.480
11	B:28:ARG:CG	B:28:ARG:NH1	0.479
11	B:423:ILE:HB	B:424:PRO:HD3	0.479
11	A:28:ARG:CG	A:28:ARG:NH1	0.478
11	A:423:ILE:HB	A:424:PRO:HD3	0.477
11	B:240:ILE:HD13	N:10:GAL:C3	0.477
11	A:240:ILE:HD13	F:10:GAL:C3	0.474
11	A:409:ASN:HB2	G:1:NAG:C3	0.473
11	B:409:ASN:HB2	O:1:NAG:C3	0.472
11	A:150:LEU:CA	E:2:NAG:O6	0.471
11	A:148:ARG:HA	E:1:NAG:C	0.471

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:150:LEU:CA	M:2:NAG:O6	0.470
11	A:240:ILE:HG21	F:1:NAG:N	0.467
11	B:240:ILE:HG21	N:1:NAG:N	0.466
11	B:148:ARG:HA	M:1:NAG:C	0.464
11	A:528:PRO:HA	A:529:PRO:HD3	0.457
11	A:150:LEU:HA	E:2:NAG:O6	0.456
11	B:150:LEU:HA	M:2:NAG:O6	0.456
11	B:528:PRO:HA	B:529:PRO:HD3	0.454
11	A:77:ARG:HH21	A:91:PRO:HB2	0.451
11	B:155:SER:CB	M:5:NAG:C4	0.450
11	A:155:SER:CB	E:5:NAG:C4	0.449
11	A:342:PRO:HA	G:11:SIA:O	0.449
11	A:504:GLN:CB	H:11:SIA:C2	0.448
11	B:342:PRO:HA	O:11:SIA:O	0.448
11	B:200:THR:HG22	M:11:SIA:C4	0.445
11	A:200:THR:HG22	E:11:SIA:C4	0.444
11	B:502:PHE:CB	P:11:SIA:H7	0.444
11	A:408:LYS:H	G:1:NAG:CT	0.443
11	A:445:GLN:OE1	J:11:SIA:C5	0.442
11	A:341:ASN:CB	A:342:PRO:HD3	0.441
11	B:341:ASN:CB	B:342:PRO:HD3	0.441
11	A:502:PHE:CB	H:11:SIA:H7	0.441
11	B:445:GLN:OE1	R:11:SIA:C5	0.441

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:33:SER:HB3	B:83:ILE:HD12	0.440
11	A:199:PRO:CB	E:12:FUC:O4	0.440
11	A:33:SER:HB3	A:83:ILE:HD12	0.439
11	B:408:LYS:H	O:1:NAG:CT	0.439
11	A:155:SER:OG	E:5:NAG:C4	0.438
11	B:199:PRO:CB	M:12:FUC:O4	0.438
11	B:159:PRO:C	M:4:MAN:HO4	0.437
11	A:502:PHE:C	H:11:SIA:C5	0.436
11	B:502:PHE:C	P:11:SIA:C5	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:488:THR:O	Q:1:NAG:C2	0.435
11	A:386:LYS:HD2	A:397:ILE:HD11	0.433
11	A:488:THR:O	I:1:NAG:C2	0.433
11	B:155:SER:OG	M:5:NAG:C4	0.432
11	B:386:LYS:HD2	B:397:ILE:HD11	0.431
11	A:435:TYR:CE2	G:11:SIA:O12	0.430
11	B:435:TYR:CE2	O:11:SIA:O12	0.430
11	A:527:ASN:HA	A:528:PRO:C	0.427
11	B:527:ASN:HA	B:528:PRO:C	0.427
11	A:199:PRO:CG	E:12:FUC:H4	0.425
11	B:199:PRO:CG	M:12:FUC:H4	0.425
11	A:378:LEU:HD12	A:417:LEU:HG	0.421

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:378:LEU:HD12	B:417:LEU:HG	0.421
11	A:445:GLN:NE2	J:1:NAG:O6	0.420
11	B:445:GLN:NE2	R:1:NAG:O6	0.420
11	A:31:ASN:HB3	C:1:NAG:C1	0.419
11	A:199:PRO:C	E:11:SIA:C1	0.419
11	B:31:ASN:HB3	K:1:NAG:C1	0.419
11	B:199:PRO:C	M:11:SIA:C1	0.419
11	A:159:PRO:C	E:4:MAN:HO4	0.416
11	B:231:GLU:HA	B:328:THR:O	0.413
11	A:231:GLU:HA	A:328:THR:O	0.412
11	B:423:ILE:O	B:425:PRO:HD3	0.412
11	A:423:ILE:O	A:425:PRO:HD3	0.411
11	B:353:ALA:HB2	R:5:NAG:O6	0.411
11	A:240:ILE:CD1	F:10:GAL:C3	0.410
11	A:353:ALA:HB2	J:5:NAG:O6	0.410
11	A:459:PRO:HB2	H:9:NAG:N	0.410
11	B:459:PRO:HB2	P:9:NAG:N	0.409
11	B:148:ARG:HA	M:1:NAG:HO3	0.409
11	B:467:LEU:O	R:12:FUC:O2	0.404
11	A:467:LEU:O	J:12:FUC:O2	0.403
11	A:511:PHE:CB	I:11:SIA:O12	0.403
11	B:511:PHE:CB	Q:11:SIA:O12	0.402
11	A:262:ARG:HH12	A:264:SER:HA	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
11	B:262:ARG:HH12	B:264:SER:HA	0.401
12	A:533:ILE:HD12	J:11:SIA:C4	1.604
12	B:533:ILE:HD12	R:11:SIA:C4	1.599
12	A:110:HIS:CB	D:12:FUC:H2	1.569
12	B:110:HIS:CB	L:12:FUC:H2	1.568
12	B:240:ILE:CD1	N:11:SIA:H6	1.559
12	A:240:ILE:CD1	F:11:SIA:H6	1.556
12	B:112:VAL:CG1	L:1:NAG:H4	1.532
12	A:112:VAL:CG1	D:1:NAG:H4	1.530
12	A:461:SER:CA	H:1:NAG:CT	1.516
12	A:240:ILE:HD13	F:11:SIA:C6	1.506
12	B:240:ILE:HD13	N:11:SIA:C6	1.502
12	A:445:GLN:HE22	J:1:NAG:C1	1.477
12	B:445:GLN:HE22	R:1:NAG:C1	1.476
12	B:112:VAL:HG11	L:1:NAG:C4	1.453
12	A:112:VAL:HG11	D:1:NAG:C4	1.448
12	A:409:ASN:OD1	G:9:NAG:C	1.400
12	B:409:ASN:OD1	O:9:NAG:C	1.396
12	B:160:ASN:ND2	M:4:MAN:O6	1.364
12	A:160:ASN:ND2	E:4:MAN:O6	1.360
12	A:461:SER:HA	H:1:NAG:CT	1.302
12	A:461:SER:C	H:1:NAG:CT	1.289
12	B:535:ILE:HB	R:12:FUC:O4	1.287

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:535:ILE:HB	J:12:FUC:O4	1.282
12	A:535:ILE:CB	J:12:FUC:O4	1.243
12	B:535:ILE:CB	R:12:FUC:O4	1.241
12	A:445:GLN:NE2	J:1:NAG:C1	1.234
12	B:445:GLN:NE2	R:1:NAG:C1	1.234
12	A:110:HIS:HB3	D:12:FUC:C2	1.197
12	B:110:HIS:HB3	L:12:FUC:C2	1.196
12	A:445:GLN:NE2	J:1:NAG:O5	1.192
12	A:110:HIS:CG	D:12:FUC:H2	1.190
12	B:110:HIS:CG	L:12:FUC:H2	1.190
12	B:445:GLN:NE2	R:1:NAG:O5	1.189
12	B:112:VAL:CB	L:1:NAG:H61	1.182
12	A:112:VAL:CB	D:1:NAG:H61	1.181
12	A:535:ILE:HD11	J:11:SIA:C8	1.170
12	B:535:ILE:HD11	R:11:SIA:C8	1.170
12	A:110:HIS:CB	D:12:FUC:C2	1.151
12	B:110:HIS:CB	L:12:FUC:C2	1.150
12	A:532:ASN:ND2	J:1:NAG:C1	1.149
12	B:532:ASN:ND2	R:1:NAG:C1	1.149
12	B:499:ASN:ND2	P:11:SIA:H92	1.128
12	A:499:ASN:ND2	H:11:SIA:H92	1.127
12	A:112:VAL:O	D:12:FUC:C1	1.118
12	B:112:VAL:O	L:12:FUC:C1	1.118

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:160:ASN:ND2	E:4:MAN:C6	1.115
12	B:160:ASN:ND2	M:4:MAN:C6	1.114
12	B:535:ILE:H	R:12:FUC:C3	1.090
12	A:535:ILE:H	J:12:FUC:C3	1.089
12	B:409:ASN:OD1	O:9:NAG:O3	1.085
12	A:409:ASN:OD1	G:9:NAG:O3	1.083
12	A:499:ASN:N	H:11:SIA:C9	1.077
12	B:499:ASN:N	P:11:SIA:C9	1.075
12	B:533:ILE:O	R:12:FUC:O3	1.071
12	A:533:ILE:O	J:12:FUC:O3	1.069
12	B:533:ILE:HD13	R:11:SIA:O4	1.063
12	A:533:ILE:HD13	J:11:SIA:O4	1.061
12	B:240:ILE:CD1	N:11:SIA:C6	1.058
12	A:535:ILE:N	J:12:FUC:O3	1.058
12	B:535:ILE:N	R:12:FUC:O3	1.058
12	A:240:ILE:CD1	F:11:SIA:C6	1.053
12	B:533:ILE:CD1	R:11:SIA:O4	1.053
12	A:533:ILE:CD1	J:11:SIA:O4	1.052
12	A:533:ILE:HD11	J:11:SIA:O4	1.039
12	B:533:ILE:HD11	R:11:SIA:O4	1.038
12	A:533:ILE:CD1	J:11:SIA:C4	1.028
12	B:533:ILE:CD1	R:11:SIA:C4	1.021
12	B:240:ILE:HD11	N:11:SIA:H6	1.020

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:110:HIS:CG	D:12:FUC:C2	1.018
12	B:110:HIS:CG	L:12:FUC:C2	1.018
12	A:240:ILE:HD11	F:11:SIA:H6	1.015
12	B:112:VAL:HB	L:1:NAG:H61	1.005
12	A:535:ILE:HD11	J:11:SIA:H8	1.004
12	B:535:ILE:HD11	R:11:SIA:H8	1.004
12	A:112:VAL:HB	D:1:NAG:H61	1.001
12	A:535:ILE:CD1	J:11:SIA:H8	0.979
12	B:535:ILE:CD1	R:11:SIA:H8	0.978
12	A:110:HIS:CE1	D:12:FUC:O3	0.971
12	B:110:HIS:CE1	L:12:FUC:O3	0.970
12	A:502:PHE:HD1	H:11:SIA:CT	0.968
12	B:502:PHE:HD1	P:11:SIA:CT	0.967
12	B:535:ILE:H	R:12:FUC:C2	0.961
12	B:409:ASN:OD1	O:9:NAG:N	0.960
12	A:535:ILE:H	J:12:FUC:C2	0.959
12	A:409:ASN:OD1	G:9:NAG:N	0.959
12	B:532:ASN:HD21	R:1:NAG:C1	0.951
12	A:532:ASN:HD21	J:1:NAG:C1	0.949
12	B:535:ILE:N	R:12:FUC:H2	0.949
12	A:535:ILE:N	J:12:FUC:C2	0.948
12	B:535:ILE:N	R:12:FUC:C2	0.946
12	A:535:ILE:N	J:12:FUC:H2	0.945

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:533:ILE:CG1	J:11:SIA:O4	0.935
12	B:533:ILE:CG1	R:11:SIA:O4	0.934
12	A:535:ILE:N	J:12:FUC:C3	0.929
12	B:535:ILE:N	R:12:FUC:C3	0.927
12	A:112:VAL:HB	D:1:NAG:C6	0.918
12	B:112:VAL:HB	L:1:NAG:C6	0.915
12	A:533:ILE:HD12	J:11:SIA:C3	0.907
12	B:533:ILE:HD12	R:11:SIA:C3	0.907
12	B:240:ILE:HD13	N:11:SIA:O6	0.899
12	A:240:ILE:HD13	F:11:SIA:O6	0.892
12	A:408:LYS:HG2	G:2:NAG:H5	0.885
12	B:408:LYS:HG2	O:2:NAG:H5	0.884
12	A:461:SER:O	H:1:NAG:CT	0.882
12	B:535:ILE:HG13	R:12:FUC:C4	0.875
12	A:535:ILE:HG13	J:12:FUC:C4	0.873
12	A:535:ILE:H	J:12:FUC:C4	0.873
12	B:535:ILE:H	R:12:FUC:C4	0.873
12	B:409:ASN:OD1	O:9:NAG:O	0.870
12	A:112:VAL:CG1	D:1:NAG:C4	0.869
12	A:499:ASN:ND2	H:11:SIA:C9	0.869
12	B:499:ASN:ND2	P:11:SIA:C9	0.869
12	A:409:ASN:OD1	G:9:NAG:O	0.868
12	B:112:VAL:CG1	L:1:NAG:C4	0.865

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:460:ASN:OD1	P:1:NAG:H3	0.859
12	A:460:ASN:OD1	H:1:NAG:H3	0.858
12	B:535:ILE:N	R:12:FUC:O4	0.853
12	A:535:ILE:N	J:12:FUC:O4	0.852
12	A:502:PHE:CD1	H:11:SIA:CT	0.847
12	B:502:PHE:CD1	P:11:SIA:CT	0.845
12	A:501:ASP:OD2	A:502:PHE:HD2	0.837
12	A:535:ILE:HG13	J:12:FUC:H4	0.836
12	B:535:ILE:HG13	R:12:FUC:H4	0.835
12	B:501:ASP:OD2	B:502:PHE:HD2	0.835
12	B:408:LYS:CG	O:2:NAG:H5	0.830
12	A:110:HIS:HB3	D:12:FUC:H2	0.829
12	A:408:LYS:CG	G:2:NAG:H5	0.829
12	B:445:GLN:CD	R:1:NAG:O5	0.829
12	A:445:GLN:CD	J:1:NAG:O5	0.828
12	A:535:ILE:CA	J:12:FUC:O4	0.828
12	B:110:HIS:HB3	L:12:FUC:H2	0.827
12	B:535:ILE:CA	R:12:FUC:O4	0.827
12	A:112:VAL:CG1	D:1:NAG:H61	0.819
12	B:112:VAL:CG1	L:1:NAG:H61	0.819
12	B:535:ILE:CG1	R:12:FUC:H4	0.814
12	A:535:ILE:CG1	J:12:FUC:H4	0.813
12	B:499:ASN:CG	P:11:SIA:H92	0.809

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:499:ASN:CG	H:11:SIA:H92	0.807
12	A:535:ILE:CD1	J:12:FUC:H4	0.800
12	B:535:ILE:CD1	R:12:FUC:H4	0.799
12	A:409:ASN:O	G:1:NAG:O	0.795
12	B:409:ASN:O	O:1:NAG:O	0.795
12	A:535:ILE:CG1	J:12:FUC:C4	0.792
12	B:535:ILE:CG1	R:12:FUC:C4	0.792
12	A:409:ASN:CG	G:9:NAG:C	0.789
12	B:409:ASN:CG	O:9:NAG:C	0.789
12	B:533:ILE:C	R:12:FUC:HO3	0.789
12	B:409:ASN:CG	O:9:NAG:HO3	0.781
12	A:409:ASN:CG	G:9:NAG:HO3	0.780
12	A:496:ASN:HB2	H:11:SIA:O12	0.773
12	B:496:ASN:HB2	P:11:SIA:O12	0.771
12	A:499:ASN:H	A:499:ASN:HD22	0.765
12	B:409:ASN:CG	O:9:NAG:O3	0.764
12	B:499:ASN:HD21	B:502:PHE:HB2	0.764
12	A:409:ASN:CG	G:9:NAG:O3	0.763
12	A:499:ASN:HD21	A:502:PHE:HB2	0.763
12	B:499:ASN:H	B:499:ASN:HD22	0.762
12	A:110:HIS:ND1	D:12:FUC:O3	0.760
12	A:535:ILE:CG1	J:12:FUC:O4	0.759
12	B:110:HIS:ND1	L:12:FUC:O3	0.759

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:535:ILE:CG1	R:12:FUC:O4	0.757
12	A:501:ASP:OD2	A:502:PHE:CD2	0.756
12	A:533:ILE:HB	J:11:SIA:C5	0.754
12	B:501:ASP:OD2	B:502:PHE:CD2	0.754
12	B:533:ILE:HB	R:11:SIA:C5	0.752
12	B:533:ILE:CD1	R:11:SIA:C5	0.742
12	A:533:ILE:CD1	J:11:SIA:C5	0.741
12	B:460:ASN:OD1	P:10:GAL:O2	0.739
12	A:460:ASN:OD1	H:10:GAL:O2	0.738
12	A:460:ASN:CG	H:10:GAL:O2	0.730
12	B:460:ASN:CG	P:10:GAL:O2	0.729
12	A:112:VAL:HG12	D:1:NAG:O5	0.726
12	B:112:VAL:HG12	L:1:NAG:O5	0.725
12	B:533:ILE:CG1	R:11:SIA:HO4	0.722
12	A:243:ASN:OD1	F:11:SIA:H31	0.719
12	B:243:ASN:OD1	N:11:SIA:H31	0.717
12	A:240:ILE:HG12	F:11:SIA:H4	0.715
12	B:533:ILE:CD1	R:11:SIA:HO4	0.714
12	B:240:ILE:HG12	N:11:SIA:H4	0.713
12	A:445:GLN:OE1	J:1:NAG:H61	0.713
12	B:445:GLN:OE1	R:1:NAG:H61	0.712
12	A:535:ILE:HD12	J:12:FUC:H4	0.704
12	B:535:ILE:HD12	R:12:FUC:H4	0.704

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:112:VAL:CG1	D:1:NAG:C5	0.703
12	A:496:ASN:CB	H:11:SIA:O12	0.702
12	A:409:ASN:C	G:1:NAG:CT	0.701
12	B:112:VAL:CG1	L:1:NAG:C5	0.701
12	B:409:ASN:C	O:1:NAG:CT	0.701
12	B:496:ASN:CB	P:11:SIA:O12	0.699
12	A:445:GLN:NE2	J:1:NAG:C2	0.697
12	A:409:ASN:OD1	G:9:NAG:C3	0.696
12	B:445:GLN:NE2	R:1:NAG:C2	0.696
12	A:160:ASN:HB2	E:4:MAN:H61	0.695
12	B:409:ASN:OD1	O:9:NAG:C3	0.695
12	B:535:ILE:HG13	R:12:FUC:O3	0.694
12	A:535:ILE:HG13	J:12:FUC:O3	0.693
12	B:160:ASN:HB2	M:4:MAN:H61	0.692
12	B:112:VAL:O	L:1:NAG:O6	0.692
12	A:498:LEU:HB2	A:502:PHE:O	0.691
12	A:112:VAL:O	D:1:NAG:O6	0.691
12	B:498:LEU:HB2	B:502:PHE:O	0.690
12	A:112:VAL:O	D:12:FUC:C2	0.685
12	B:112:VAL:O	L:12:FUC:C2	0.685
12	A:535:ILE:H	J:12:FUC:H2	0.680
12	A:533:ILE:C	J:12:FUC:HO3	0.677
12	B:499:ASN:N	B:499:ASN:ND2	0.675

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:535:ILE:H	R:12:FUC:H2	0.675
12	A:240:ILE:HD13	F:11:SIA:H6	0.674
12	A:499:ASN:N	A:499:ASN:ND2	0.674
12	B:240:ILE:HD13	N:11:SIA:H6	0.672
12	B:112:VAL:HG12	L:1:NAG:C5	0.671
12	A:499:ASN:H	A:499:ASN:ND2	0.671
12	A:112:VAL:HG12	D:1:NAG:C5	0.670
12	B:499:ASN:H	B:499:ASN:ND2	0.669
12	A:112:VAL:O	D:12:FUC:O2	0.669
12	B:112:VAL:O	L:12:FUC:O2	0.668
12	A:499:ASN:N	H:11:SIA:H91	0.661
12	A:533:ILE:CD1	J:11:SIA:HO4	0.660
12	B:499:ASN:N	P:11:SIA:H91	0.656
12	B:409:ASN:OD1	O:9:NAG:C2	0.656
12	A:409:ASN:OD1	G:9:NAG:C2	0.655
12	A:160:ASN:ND2	E:4:MAN:H61	0.654
12	B:160:ASN:ND2	M:4:MAN:H61	0.653
12	A:497:ARG:C	H:11:SIA:O11	0.652
12	B:497:ARG:C	P:11:SIA:O11	0.652
12	A:502:PHE:HB3	H:11:SIA:CT	0.634
12	B:502:PHE:HB3	P:11:SIA:CT	0.630
12	A:243:ASN:OD1	F:11:SIA:C4	0.621
12	B:243:ASN:OD1	N:11:SIA:C4	0.621

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:112:VAL:CG1	L:1:NAG:C6	0.618
12	B:408:LYS:HB3	O:2:NAG:H5	0.617
12	A:112:VAL:CG1	D:1:NAG:C6	0.616
12	A:408:LYS:HB3	G:2:NAG:H5	0.616
12	B:28:ARG:CG	B:28:ARG:HH11	0.614
12	A:243:ASN:OD1	F:11:SIA:C5	0.613
12	B:243:ASN:OD1	N:11:SIA:C5	0.613
12	A:28:ARG:CG	A:28:ARG:HH11	0.612
12	A:341:ASN:HB3	A:342:PRO:HD3	0.610
12	B:341:ASN:HB3	B:342:PRO:HD3	0.610
12	A:533:ILE:HD13	J:11:SIA:C5	0.604
12	B:533:ILE:HD13	R:11:SIA:C5	0.604
12	A:502:PHE:O	H:11:SIA:O9	0.602
12	B:502:PHE:O	P:11:SIA:O9	0.602
12	A:533:ILE:C	J:12:FUC:O3	0.598
12	B:533:ILE:C	R:12:FUC:O3	0.595
12	B:408:LYS:CB	O:2:NAG:H5	0.593
12	A:408:LYS:CB	G:2:NAG:H5	0.592
12	A:409:ASN:HD22	A:410:ASN:H	0.592
12	A:447:LEU:HB3	A:448:PRO:HD3	0.591
12	A:409:ASN:O	G:1:NAG:CT	0.591
12	B:409:ASN:HD22	B:410:ASN:H	0.591
12	B:409:ASN:O	O:1:NAG:CT	0.590

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:409:ASN:O	O:1:NAG:C	0.584
12	A:409:ASN:O	G:1:NAG:C	0.583
12	A:240:ILE:HB	F:10:GAL:H4	0.580
12	B:240:ILE:HB	N:10:GAL:H4	0.578
12	A:110:HIS:CG	D:12:FUC:O3	0.575
12	B:110:HIS:CG	L:12:FUC:O3	0.575
12	B:533:ILE:CB	R:11:SIA:C5	0.575
12	A:533:ILE:CB	J:11:SIA:C5	0.574
12	A:409:ASN:HB3	G:1:NAG:CT	0.572
12	B:409:ASN:HB3	O:1:NAG:CT	0.572
12	A:445:GLN:OE1	J:1:NAG:C6	0.569
12	B:445:GLN:OE1	R:1:NAG:C6	0.568
12	A:502:PHE:HB3	H:11:SIA:H7	0.564
12	B:160:ASN:CB	M:4:MAN:H61	0.563
12	B:502:PHE:HB3	P:11:SIA:H7	0.563
12	A:160:ASN:CB	E:4:MAN:H61	0.562
12	A:391:ASN:HB3	A:393:GLN:HG3	0.560
12	B:391:ASN:HB3	B:393:GLN:HG3	0.560
12	B:243:ASN:OD1	N:11:SIA:C3	0.556
12	A:243:ASN:OD1	F:11:SIA:C3	0.555
12	B:28:ARG:HG2	B:28:ARG:HH11	0.552
12	A:28:ARG:HG2	A:28:ARG:HH11	0.551
12	A:499:ASN:CG	H:11:SIA:C9	0.547

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:109:LEU:H	A:109:LEU:HD12	0.545
12	B:109:LEU:H	B:109:LEU:HD12	0.545
12	B:110:HIS:HB3	L:12:FUC:C1	0.545
12	A:110:HIS:HB3	D:12:FUC:C1	0.543
12	A:110:HIS:CG	D:12:FUC:C3	0.542
12	B:110:HIS:CG	L:12:FUC:C3	0.541
12	B:499:ASN:CG	P:11:SIA:C9	0.541
12	A:445:GLN:OE1	J:1:NAG:O5	0.541
12	B:105:ARG:HG2	B:203:LEU:HB3	0.540
12	B:445:GLN:OE1	R:1:NAG:O5	0.540
12	A:409:ASN:N	G:1:NAG:O3	0.539
12	A:408:LYS:HB3	G:2:NAG:C5	0.537
12	B:408:LYS:HB3	O:2:NAG:C5	0.537
12	B:409:ASN:N	O:1:NAG:O3	0.537
12	A:359:THR:HG22	A:393:GLN:HG2	0.536
12	B:359:THR:HG22	B:393:GLN:HG2	0.536
12	A:277:ASP:HB2	F:11:SIA:O	0.535
12	B:277:ASP:HB2	N:11:SIA:O	0.535
12	A:409:ASN:HB2	G:1:NAG:O3	0.532
12	B:409:ASN:HB2	O:1:NAG:O3	0.531
12	A:460:ASN:OD1	H:1:NAG:C3	0.522
12	B:460:ASN:OD1	P:1:NAG:C3	0.519
12	B:409:ASN:HB3	O:1:NAG:C	0.515

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:409:ASN:CG	G:9:NAG:CT	0.514
12	A:409:ASN:HB3	G:1:NAG:C	0.514
12	B:409:ASN:CG	O:9:NAG:CT	0.514
12	A:533:ILE:HD11	J:11:SIA:HO4	0.509
12	B:499:ASN:H	P:11:SIA:C9	0.506
12	B:533:ILE:HD11	R:11:SIA:HO4	0.506
12	A:243:ASN:OD1	F:11:SIA:O4	0.505
12	B:243:ASN:OD1	N:11:SIA:O4	0.504
12	B:110:HIS:CG	L:12:FUC:O2	0.503
12	A:110:HIS:CG	D:12:FUC:O2	0.501
12	A:240:ILE:CD1	F:11:SIA:O6	0.501
12	B:112:VAL:HG12	L:1:NAG:C4	0.501
12	B:240:ILE:CD1	N:11:SIA:O6	0.500
12	A:460:ASN:CG	H:10:GAL:HO2	0.500
12	A:499:ASN:H	H:11:SIA:C9	0.499
12	A:499:ASN:N	A:499:ASN:HD22	0.499
12	A:112:VAL:HG12	D:1:NAG:C4	0.497
12	B:499:ASN:N	B:499:ASN:HD22	0.497
12	B:240:ILE:CD1	N:11:SIA:H92	0.496
12	A:240:ILE:CD1	F:11:SIA:H92	0.495
12	A:409:ASN:C	G:1:NAG:C	0.493
12	B:409:ASN:C	O:1:NAG:C	0.492
12	A:240:ILE:HD13	F:11:SIA:C5	0.491

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:112:VAL:HG12	L:1:NAG:C6	0.491
12	B:110:HIS:ND1	L:12:FUC:C3	0.490
12	A:110:HIS:ND1	D:12:FUC:C3	0.489
12	B:160:ASN:CG	M:4:MAN:C6	0.489
12	A:112:VAL:HG12	D:1:NAG:C6	0.488
12	A:160:ASN:CG	E:4:MAN:C6	0.487
12	A:499:ASN:HD21	H:11:SIA:H92	0.487
12	A:533:ILE:O	J:12:FUC:C3	0.487
12	B:533:ILE:O	R:12:FUC:C3	0.487
12	A:502:PHE:CB	H:11:SIA:H7	0.486
12	B:502:PHE:CB	P:11:SIA:H7	0.486
12	B:499:ASN:HD21	P:11:SIA:H92	0.486
12	B:240:ILE:HD13	N:11:SIA:C5	0.484
12	A:240:ILE:O	F:10:GAL:O4	0.480
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:166:ASN:HB3	M:1:NAG:C1	0.474
12	A:166:ASN:HB3	E:1:NAG:C1	0.473
12	A:240:ILE:HD11	F:11:SIA:H92	0.471
12	B:533:ILE:HD13	R:11:SIA:C4	0.471
12	B:240:ILE:O	N:10:GAL:O4	0.471

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	A:533:ILE:HD13	J:11:SIA:C4	0.470
12	B:535:ILE:HD12	R:12:FUC:C4	0.470
12	A:240:ILE:HB	F:10:GAL:C4	0.469
12	B:240:ILE:HB	N:10:GAL:C4	0.469
12	B:240:ILE:HD11	N:11:SIA:H92	0.469
12	A:535:ILE:HD12	J:12:FUC:C4	0.468
12	A:110:HIS:HB2	D:12:FUC:C2	0.468
12	B:110:HIS:HB2	L:12:FUC:C2	0.464
12	A:491:ARG:HB2	I:12:FUC:O4	0.462
12	A:409:ASN:N	G:1:NAG:O	0.462
12	B:491:ARG:HB2	Q:12:FUC:O4	0.461
12	B:409:ASN:N	O:1:NAG:O	0.461
12	A:413:ASN:ND2	G:1:NAG:C1	0.459
12	A:528:PRO:HA	A:529:PRO:HD3	0.457
12	B:528:PRO:HA	B:529:PRO:HD3	0.454
12	B:243:ASN:ND2	N:1:NAG:C1	0.454
12	A:243:ASN:ND2	F:1:NAG:C1	0.453
12	A:77:ARG:HH21	A:91:PRO:HB2	0.451
12	A:110:HIS:CB	D:12:FUC:O2	0.451
12	B:110:HIS:CB	L:12:FUC:O2	0.451
12	A:535:ILE:HG13	J:12:FUC:C3	0.450
12	B:535:ILE:HG13	R:12:FUC:C3	0.450
12	A:460:ASN:CG	H:1:NAG:N	0.449

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:460:ASN:CG	P:1:NAG:N	0.449
12	B:533:ILE:HD13	R:11:SIA:N	0.446
12	A:533:ILE:HD13	J:11:SIA:N	0.445
12	A:488:THR:HG22	A:491:ARG:NH2	0.442
12	B:488:THR:HG22	B:491:ARG:NH2	0.442
12	A:341:ASN:CB	A:342:PRO:HD3	0.441
12	B:341:ASN:CB	B:342:PRO:HD3	0.441
12	B:33:SER:HB3	B:83:ILE:HD12	0.440
12	B:502:PHE:C	P:11:SIA:H7	0.440
12	A:33:SER:HB3	A:83:ILE:HD12	0.439
12	A:502:PHE:C	H:11:SIA:H7	0.439
12	A:502:PHE:CB	H:11:SIA:CT	0.438
12	A:485:SER:HA	A:486:PRO:C	0.435
12	B:485:SER:HA	B:486:PRO:C	0.435
12	B:460:ASN:OD1	P:1:NAG:C1	0.434
12	A:386:LYS:HD2	A:397:ILE:HD11	0.433
12	A:460:ASN:OD1	H:1:NAG:C1	0.433
12	B:502:PHE:CB	P:11:SIA:CT	0.433
12	B:386:LYS:HD2	B:397:ILE:HD11	0.431
12	A:504:GLN:CG	H:11:SIA:O12	0.431
12	A:240:ILE:CD1	F:11:SIA:C8	0.427
12	A:527:ASN:HA	A:528:PRO:C	0.427
12	B:240:ILE:CD1	N:11:SIA:C8	0.427

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:527:ASN:HA	B:528:PRO:C	0.427
12	B:409:ASN:CB	O:1:NAG:C	0.424
12	A:409:ASN:CB	G:1:NAG:C	0.423
12	A:378:LEU:HD12	A:417:LEU:HG	0.421
12	B:378:LEU:HD12	B:417:LEU:HG	0.421
12	A:533:ILE:CG1	J:11:SIA:HO4	0.421
12	B:535:ILE:CG1	R:11:SIA:O7	0.418
12	A:535:ILE:CG1	J:11:SIA:O7	0.417
12	B:240:ILE:HB	N:10:GAL:C3	0.415
12	A:240:ILE:HB	F:10:GAL:C3	0.414
12	A:460:ASN:ND2	H:10:GAL:O2	0.414
12	B:231:GLU:HA	B:328:THR:O	0.413
12	B:460:ASN:ND2	P:10:GAL:O2	0.413
12	A:231:GLU:HA	A:328:THR:O	0.412
12	A:240:ILE:HD12	F:11:SIA:O8	0.412
12	B:423:ILE:O	B:425:PRO:HD3	0.412
12	B:160:ASN:CG	M:4:MAN:H61	0.412
12	A:423:ILE:O	A:425:PRO:HD3	0.411
12	B:240:ILE:HD12	N:11:SIA:O8	0.411
12	A:160:ASN:CG	E:4:MAN:H61	0.411
12	A:533:ILE:HD12	J:11:SIA:HO4	0.407
12	A:262:ARG:HH12	A:264:SER:HA	0.401
12	B:502:PHE:O	P:11:SIA:H6	0.401

Model ID	Atom-1	Atom-2	Clash overlap (Å)
12	B:262:ARG:HH12	B:264:SER:HA	0.401
13	B:445:GLN:CG	R:1:NAG:C6	1.568
13	A:445:GLN:CG	J:1:NAG:C6	1.563
13	B:463:ASN:HD22	P:1:NAG:C1	1.449
13	A:463:ASN:HD22	H:1:NAG:C1	1.447
13	B:445:GLN:HG3	R:12:FUC:C1	1.410
13	A:445:GLN:HG3	J:12:FUC:C1	1.409
13	A:410:ASN:HB3	J:5:NAG:C6	1.391
13	B:410:ASN:CB	R:5:NAG:C6	1.389
13	B:410:ASN:HB3	R:5:NAG:C6	1.389
13	A:410:ASN:CB	J:5:NAG:C6	1.388
13	B:150:LEU:CD2	M:3:BMA:H2	1.365
13	A:532:ASN:OD1	J:11:SIA:C3	1.363
13	A:445:GLN:NE2	J:1:NAG:O5	1.363
13	A:150:LEU:CD2	E:3:BMA:H2	1.362
13	B:445:GLN:NE2	R:1:NAG:O5	1.362
13	B:532:ASN:OD1	R:11:SIA:C3	1.359
13	B:196:GLU:O	M:12:FUC:H4	1.354
13	A:445:GLN:CD	J:1:NAG:O6	1.352
13	B:445:GLN:CD	R:1:NAG:O6	1.349
13	A:196:GLU:O	E:12:FUC:H4	1.349
13	B:498:LEU:HD23	P:11:SIA:C3	1.313
13	A:498:LEU:HD23	H:11:SIA:C3	1.311

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:445:GLN:CG	R:1:NAG:O6	1.307
13	B:463:ASN:ND2	P:1:NAG:C1	1.307
13	B:445:GLN:HG3	R:1:NAG:C6	1.304
13	A:463:ASN:ND2	H:1:NAG:C1	1.303
13	A:445:GLN:CG	J:1:NAG:O6	1.302
13	A:445:GLN:HG3	J:1:NAG:C6	1.297
13	B:409:ASN:HB2	O:1:NAG:O3	1.266
13	A:196:GLU:O	E:12:FUC:C3	1.266
13	A:409:ASN:HB2	G:1:NAG:O3	1.265
13	B:196:GLU:O	M:12:FUC:C3	1.265
13	A:196:GLU:O	E:12:FUC:C4	1.264
13	B:196:GLU:O	M:12:FUC:C4	1.263
13	A:240:ILE:CD1	F:10:GAL:O4	1.253
13	A:498:LEU:CD2	H:11:SIA:H32	1.253
13	B:498:LEU:CD2	P:11:SIA:H32	1.252
13	B:240:ILE:CD1	N:10:GAL:O4	1.251
13	A:198:ASN:C	E:12:FUC:C6	1.228
13	B:198:ASN:C	M:12:FUC:C6	1.228
13	A:198:ASN:C	E:12:FUC:H63	1.218
13	B:198:ASN:C	M:12:FUC:H63	1.210
13	A:30:LYS:O	C:1:NAG:O5	1.210
13	B:30:LYS:O	K:1:NAG:O5	1.208
13	B:410:ASN:HA	R:5:NAG:O6	1.190

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:410:ASN:HA	J:5:NAG:O6	1.189
13	A:435:TYR:CE1	J:7:SIA:O8	1.177
13	B:435:TYR:CE1	R:7:SIA:O8	1.177
13	A:150:LEU:HG	E:2:NAG:O6	1.151
13	B:150:LEU:HG	M:2:NAG:O6	1.147
13	A:150:LEU:HD23	E:3:BMA:H2	1.146
13	B:150:LEU:HD23	M:3:BMA:H2	1.139
13	B:410:ASN:CB	R:5:NAG:H61	1.135
13	A:111:GLN:CB	D:11:SIA:O	1.131
13	A:410:ASN:CB	J:5:NAG:H61	1.130
13	B:111:GLN:CB	L:11:SIA:O	1.129
13	B:410:ASN:CA	R:5:NAG:C6	1.119
13	A:410:ASN:CA	J:5:NAG:C6	1.118
13	A:150:LEU:HD23	E:3:BMA:C2	1.117
13	B:410:ASN:CB	R:5:NAG:H62	1.116
13	B:150:LEU:HD23	M:3:BMA:C2	1.115
13	A:410:ASN:CB	J:5:NAG:H62	1.113
13	A:30:LYS:CB	C:12:FUC:O2	1.100
13	B:30:LYS:CB	K:12:FUC:O2	1.100
13	B:433:GLN:HE22	O:11:SIA:C5	1.100
13	B:410:ASN:CA	R:5:NAG:O6	1.096
13	A:410:ASN:CA	J:5:NAG:O6	1.095
13	A:433:GLN:HE22	G:11:SIA:C5	1.094

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:240:ILE:HD12	F:10:GAL:O4	1.089
13	B:240:ILE:HD12	N:10:GAL:O4	1.089
13	B:498:LEU:HD23	P:11:SIA:H32	1.087
13	A:498:LEU:HD23	H:11:SIA:C2	1.083
13	A:410:ASN:OD1	J:7:SIA:H91	1.080
13	B:410:ASN:OD1	R:7:SIA:H91	1.080
13	A:498:LEU:HD23	H:11:SIA:H32	1.079
13	B:498:LEU:HD23	P:11:SIA:C2	1.078
13	A:112:VAL:HG23	D:11:SIA:CT	1.076
13	B:112:VAL:HG23	L:11:SIA:CT	1.074
13	B:445:GLN:HG3	R:1:NAG:O6	1.067
13	A:196:GLU:O	E:12:FUC:O3	1.066
13	B:445:GLN:HG2	R:1:NAG:C6	1.064
13	A:445:GLN:HG2	J:1:NAG:C6	1.063
13	B:196:GLU:O	M:12:FUC:O3	1.063
13	A:445:GLN:HG3	J:1:NAG:O6	1.061
13	A:491:ARG:CZ	I:1:NAG:O3	1.058
13	B:491:ARG:CZ	Q:1:NAG:O3	1.058
13	A:431:THR:CG2	G:11:SIA:O	1.057
13	B:196:GLU:C	M:12:FUC:H4	1.053
13	A:196:GLU:C	E:12:FUC:H4	1.051
13	A:435:TYR:CZ	J:7:SIA:O8	1.043
13	B:435:TYR:CZ	R:7:SIA:O8	1.040

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:445:GLN:CG	J:12:FUC:C1	1.038
13	B:445:GLN:CG	R:12:FUC:C1	1.036
13	A:150:LEU:HD22	E:3:BMA:H2	1.033
13	A:30:LYS:HB3	C:12:FUC:O2	1.032
13	A:240:ILE:HD11	F:10:GAL:O4	1.030
13	B:150:LEU:HD22	M:3:BMA:H2	1.030
13	B:30:LYS:HB3	K:12:FUC:O2	1.029
13	B:240:ILE:HD11	N:10:GAL:O4	1.025
13	A:410:ASN:HA	J:5:NAG:C6	1.023
13	B:410:ASN:HA	R:5:NAG:C6	1.023
13	B:409:ASN:HB2	O:1:NAG:HO3	1.012
13	B:150:LEU:CD2	M:3:BMA:C2	1.007
13	A:409:ASN:HB2	G:1:NAG:HO3	1.006
13	A:150:LEU:CD2	E:3:BMA:C2	1.004
13	B:532:ASN:OD1	R:11:SIA:H31	0.984
13	A:532:ASN:OD1	J:11:SIA:H31	0.983
13	B:435:TYR:CE1	R:7:SIA:C8	0.979
13	A:435:TYR:CE1	J:7:SIA:C8	0.976
13	B:469:TYR:C	R:2:NAG:H61	0.969
13	A:469:TYR:C	J:2:NAG:H61	0.964
13	A:410:ASN:OD1	J:7:SIA:C9	0.963
13	B:410:ASN:OD1	R:7:SIA:C9	0.962
13	A:445:GLN:OE1	J:12:FUC:O2	0.958

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:445:GLN:OE1	R:12:FUC:O2	0.957
13	B:111:GLN:HB3	L:11:SIA:O	0.949
13	A:111:GLN:HB3	D:11:SIA:O	0.947
13	B:199:PRO:N	M:12:FUC:H63	0.937
13	A:199:PRO:N	E:12:FUC:H63	0.934
13	B:409:ASN:CB	O:1:NAG:O3	0.928
13	A:409:ASN:CB	G:1:NAG:O3	0.927
13	B:111:GLN:HB3	L:11:SIA:CT	0.926
13	A:111:GLN:HB3	D:11:SIA:CT	0.925
13	A:150:LEU:HG	E:2:NAG:C6	0.916
13	B:150:LEU:HG	M:2:NAG:C6	0.915
13	A:498:LEU:CD2	H:11:SIA:C3	0.905
13	A:410:ASN:ND2	J:7:SIA:H8	0.902
13	B:410:ASN:ND2	R:7:SIA:H8	0.901
13	B:498:LEU:CD2	P:11:SIA:C3	0.899
13	A:431:THR:HG21	G:11:SIA:O	0.896
13	A:435:TYR:C	J:7:SIA:O4	0.895
13	B:435:TYR:C	R:7:SIA:O4	0.894
13	A:240:ILE:HD12	F:10:GAL:HO4	0.889
13	B:150:LEU:CG	M:2:NAG:O6	0.885
13	A:491:ARG:HE	I:1:NAG:C2	0.885
13	A:150:LEU:CG	E:2:NAG:O6	0.884
13	B:491:ARG:HE	Q:1:NAG:C2	0.884

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:404:SER:HB2	J:8:MAN:O6	0.883
13	A:166:ASN:HB2	E:1:NAG:C1	0.882
13	B:166:ASN:HB2	M:1:NAG:C1	0.881
13	A:111:GLN:HB3	D:11:SIA:C	0.875
13	B:498:LEU:CD2	P:11:SIA:C2	0.875
13	A:498:LEU:CD2	H:11:SIA:C2	0.873
13	B:111:GLN:HB3	L:11:SIA:C	0.873
13	A:410:ASN:CA	J:5:NAG:H62	0.869
13	B:410:ASN:CA	R:5:NAG:H62	0.866
13	B:410:ASN:HB2	R:5:NAG:H62	0.863
13	A:410:ASN:HB2	J:5:NAG:H62	0.862
13	B:410:ASN:HB3	R:5:NAG:H61	0.858
13	A:410:ASN:HB3	J:5:NAG:H61	0.857
13	B:498:LEU:HD22	P:11:SIA:H32	0.854
13	A:498:LEU:HD22	H:11:SIA:H32	0.853
13	A:460:ASN:OD1	H:10:GAL:O4	0.848
13	B:460:ASN:OD1	P:10:GAL:O4	0.848
13	B:445:GLN:HG2	R:1:NAG:C5	0.847
13	A:445:GLN:HG2	J:1:NAG:C5	0.845
13	A:501:ASP:OD2	A:502:PHE:HD2	0.837
13	A:111:GLN:HB2	D:11:SIA:O	0.835
13	B:501:ASP:OD2	B:502:PHE:HD2	0.835
13	B:111:GLN:HB2	L:11:SIA:O	0.833

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:30:LYS:CG	K:12:FUC:O2	0.826
13	A:30:LYS:CG	C:12:FUC:O2	0.825
13	B:445:GLN:NE2	R:1:NAG:C5	0.816
13	A:445:GLN:NE2	J:1:NAG:C5	0.815
13	B:30:LYS:O	K:1:NAG:C1	0.813
13	A:30:LYS:O	C:1:NAG:C1	0.812
13	B:435:TYR:OH	R:7:SIA:O8	0.803
13	A:435:TYR:OH	J:7:SIA:O8	0.801
13	A:150:LEU:HD23	E:3:BMA:C1	0.799
13	B:150:LEU:HD23	M:3:BMA:C1	0.799
13	A:433:GLN:OE1	G:11:SIA:O4	0.796
13	B:491:ARG:NE	Q:1:NAG:C2	0.795
13	A:491:ARG:NE	I:1:NAG:C2	0.794
13	B:433:GLN:OE1	O:11:SIA:O4	0.794
13	B:410:ASN:HD21	R:7:SIA:H8	0.774
13	A:410:ASN:HD21	J:7:SIA:H8	0.773
13	A:409:ASN:OD1	G:2:NAG:H62	0.770
13	B:409:ASN:OD1	O:2:NAG:H62	0.770
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:445:GLN:NE2	J:1:NAG:C1	0.757

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:469:TYR:O	J:3:BMA:C1	0.757
13	B:469:TYR:O	R:3:BMA:C1	0.757
13	A:501:ASP:OD2	A:502:PHE:CD2	0.756
13	B:445:GLN:NE2	R:1:NAG:C1	0.755
13	B:501:ASP:OD2	B:502:PHE:CD2	0.754
13	B:532:ASN:OD1	R:11:SIA:C4	0.750
13	A:532:ASN:OD1	J:11:SIA:C4	0.749
13	A:445:GLN:NE2	J:1:NAG:O6	0.747
13	B:445:GLN:NE2	R:1:NAG:O6	0.746
13	B:445:GLN:HG2	R:1:NAG:O5	0.733
13	A:445:GLN:HG2	J:1:NAG:O5	0.732
13	A:491:ARG:HH12	I:2:NAG:H62	0.732
13	B:491:ARG:HH12	Q:2:NAG:H62	0.732
13	B:112:VAL:HB	L:11:SIA:C4	0.730
13	A:112:VAL:HB	D:11:SIA:C4	0.728
13	A:445:GLN:CD	J:12:FUC:C1	0.728
13	B:445:GLN:CD	R:12:FUC:C1	0.726
13	B:410:ASN:CG	R:7:SIA:H91	0.724
13	A:410:ASN:CG	J:7:SIA:H91	0.723
13	B:410:ASN:HA	R:5:NAG:H62	0.723
13	A:410:ASN:HA	J:5:NAG:H62	0.718
13	A:111:GLN:CB	D:11:SIA:C	0.717
13	B:150:LEU:HD23	M:2:NAG:O4	0.717

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:150:LEU:HD23	E:2:NAG:O4	0.716
13	B:111:GLN:CB	L:11:SIA:C	0.715
13	B:410:ASN:N	R:5:NAG:O6	0.711
13	A:199:PRO:N	E:12:FUC:C6	0.710
13	A:410:ASN:N	J:5:NAG:O6	0.710
13	B:199:PRO:N	M:12:FUC:C6	0.709
13	B:410:ASN:ND2	R:7:SIA:C8	0.708
13	A:410:ASN:ND2	J:7:SIA:C8	0.706
13	B:445:GLN:CD	R:1:NAG:O5	0.702
13	A:445:GLN:CD	J:1:NAG:O5	0.701
13	B:445:GLN:CD	R:1:NAG:C6	0.700
13	A:445:GLN:CD	J:1:NAG:C6	0.699
13	A:491:ARG:NE	I:1:NAG:O3	0.699
13	B:491:ARG:NE	Q:1:NAG:O3	0.697
13	A:530:LYS:HB2	J:1:NAG:CT	0.692
13	B:112:VAL:HB	L:11:SIA:C5	0.692
13	B:530:LYS:HB2	R:1:NAG:CT	0.692
13	A:498:LEU:HB2	A:502:PHE:O	0.691
13	A:112:VAL:HB	D:11:SIA:C5	0.690
13	B:498:LEU:HB2	B:502:PHE:O	0.690
13	B:111:GLN:N	L:11:SIA:O	0.690
13	B:433:GLN:NE2	O:11:SIA:C5	0.690
13	A:111:GLN:N	D:11:SIA:O	0.689

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:433:GLN:HE22	G:11:SIA:C4	0.687
13	B:433:GLN:HE22	O:11:SIA:C4	0.687
13	B:150:LEU:CD2	M:3:BMA:C1	0.684
13	A:433:GLN:NE2	G:11:SIA:C5	0.684
13	A:150:LEU:CD2	E:3:BMA:C1	0.682
13	A:410:ASN:CG	J:7:SIA:C9	0.682
13	B:410:ASN:CG	R:7:SIA:C9	0.681
13	B:410:ASN:HB2	R:6:GAL:O2	0.680
13	A:410:ASN:HB2	J:6:GAL:O2	0.678
13	B:499:ASN:N	B:499:ASN:ND2	0.675
13	A:499:ASN:N	A:499:ASN:ND2	0.674
13	A:499:ASN:H	A:499:ASN:ND2	0.671
13	B:499:ASN:H	B:499:ASN:ND2	0.669
13	A:111:GLN:CA	D:11:SIA:O	0.667
13	B:111:GLN:CA	L:11:SIA:O	0.665
13	A:413:ASN:ND2	G:1:NAG:C1	0.662
13	A:435:TYR:CE1	J:7:SIA:HO8	0.662
13	B:530:LYS:CB	R:1:NAG:CT	0.655
13	A:530:LYS:CB	J:1:NAG:CT	0.654
13	A:463:ASN:HD21	H:1:NAG:C1	0.654
13	A:112:VAL:CG2	D:11:SIA:CT	0.653
13	B:112:VAL:CG2	L:11:SIA:CT	0.651
13	B:463:ASN:HD21	P:1:NAG:C1	0.650

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:198:ASN:HA	E:12:FUC:O4	0.645
13	B:198:ASN:HA	M:12:FUC:O4	0.643
13	B:498:LEU:CD2	P:10:GAL:O3	0.643
13	A:111:GLN:H	D:11:SIA:C	0.643
13	B:111:GLN:H	L:11:SIA:C	0.642
13	B:410:ASN:OD1	R:7:SIA:O9	0.642
13	A:498:LEU:CD2	H:10:GAL:O3	0.641
13	A:410:ASN:OD1	J:7:SIA:O9	0.640
13	A:498:LEU:HD21	H:10:GAL:O3	0.633
13	B:498:LEU:HD21	P:10:GAL:O3	0.633
13	B:150:LEU:HG	M:2:NAG:H61	0.623
13	A:435:TYR:HE1	J:7:SIA:O8	0.622
13	A:150:LEU:HG	E:2:NAG:H61	0.621
13	B:435:TYR:HE1	R:7:SIA:O8	0.617
13	A:431:THR:HG23	G:11:SIA:O	0.616
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	A:199:PRO:CD	E:12:FUC:H63	0.608
13	B:199:PRO:CD	M:12:FUC:H63	0.608
13	A:409:ASN:HD22	A:410:ASN:H	0.592
13	A:447:LEU:HB3	A:448:PRO:HD3	0.591

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:409:ASN:HD22	B:410:ASN:H	0.591
13	A:460:ASN:HB2	H:10:GAL:H61	0.590
13	B:460:ASN:HB2	P:10:GAL:H61	0.589
13	B:445:GLN:NE2	R:1:NAG:C6	0.582
13	A:435:TYR:HE1	J:7:SIA:C8	0.578
13	B:435:TYR:HE1	R:7:SIA:C8	0.573
13	B:491:ARG:NH1	Q:2:NAG:H62	0.565
13	A:491:ARG:NH1	I:2:NAG:H62	0.564
13	A:111:GLN:CA	D:11:SIA:C	0.562
13	B:111:GLN:CA	L:11:SIA:C	0.561
13	A:391:ASN:HB3	A:393:GLN:HG3	0.560
13	B:391:ASN:HB3	B:393:GLN:HG3	0.560
13	B:445:GLN:CG	R:1:NAG:O5	0.560
13	A:150:LEU:HD22	E:3:BMA:C2	0.558
13	A:413:ASN:OD1	G:11:SIA:CT	0.558
13	A:30:LYS:HB2	C:12:FUC:O2	0.557
13	A:445:GLN:CG	J:1:NAG:O5	0.556
13	B:30:LYS:HB2	K:12:FUC:O2	0.554
13	A:240:ILE:CD1	F:10:GAL:C4	0.553
13	B:240:ILE:CD1	N:10:GAL:C4	0.553
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:413:ASN:ND2	G:1:NAG:N	0.548
13	A:488:THR:HG22	A:491:ARG:NH2	0.547
13	A:445:GLN:NE2	J:1:NAG:C6	0.546
13	A:109:LEU:H	A:109:LEU:HD12	0.545
13	A:445:GLN:CG	J:1:NAG:C5	0.545
13	B:109:LEU:H	B:109:LEU:HD12	0.545
13	B:445:GLN:CG	R:1:NAG:C5	0.541
13	B:105:ARG:HG2	B:203:LEU:HB3	0.540
13	A:111:GLN:N	D:11:SIA:C	0.539
13	B:111:GLN:N	L:11:SIA:C	0.539
13	A:196:GLU:O	E:12:FUC:H3	0.538
13	A:359:THR:HG22	A:393:GLN:HG2	0.536
13	B:359:THR:HG22	B:393:GLN:HG2	0.536
13	A:491:ARG:NH2	I:1:NAG:H4	0.535
13	B:196:GLU:O	M:12:FUC:H3	0.535
13	B:491:ARG:NH2	Q:1:NAG:H4	0.534
13	A:199:PRO:HG3	E:2:NAG:CT	0.513
13	B:199:PRO:HG3	M:2:NAG:CT	0.513
13	B:410:ASN:HD21	R:7:SIA:C8	0.510
13	A:112:VAL:N	D:11:SIA:C	0.509
13	B:112:VAL:N	L:11:SIA:C	0.508
13	A:530:LYS:HB3	J:1:NAG:CT	0.505
13	A:410:ASN:HD21	J:7:SIA:C8	0.505

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:530:LYS:HB3	R:1:NAG:CT	0.504
13	A:499:ASN:N	A:499:ASN:HD22	0.499
13	A:445:GLN:OE1	J:12:FUC:C2	0.499
13	B:445:GLN:OE1	R:12:FUC:C2	0.499
13	B:499:ASN:N	B:499:ASN:HD22	0.497
13	A:198:ASN:CA	E:12:FUC:O4	0.489
13	B:198:ASN:CA	M:12:FUC:O4	0.489
13	A:150:LEU:CD2	E:2:NAG:O6	0.484
13	B:150:LEU:CD2	M:2:NAG:O6	0.484
13	A:277:ASP:OD1	F:11:SIA:H4	0.482
13	B:277:ASP:OD1	N:11:SIA:H4	0.480
13	B:28:ARG:CG	B:28:ARG:NH1	0.479
13	B:423:ILE:HB	B:424:PRO:HD3	0.479
13	A:28:ARG:CG	A:28:ARG:NH1	0.478
13	A:423:ILE:HB	A:424:PRO:HD3	0.477
13	A:469:TYR:C	J:3:BMA:H2	0.473
13	B:469:TYR:C	R:3:BMA:H2	0.473
13	A:469:TYR:HA	J:3:BMA:H2	0.459
13	A:528:PRO:HA	A:529:PRO:HD3	0.457
13	B:528:PRO:HA	B:529:PRO:HD3	0.454
13	B:435:TYR:CE1	R:7:SIA:HO8	0.452
13	A:77:ARG:HH21	A:91:PRO:HB2	0.451
13	B:30:LYS:HB3	K:12:FUC:C2	0.444

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	B:150:LEU:CD2	M:2:NAG:O4	0.444
13	A:150:LEU:CD2	E:2:NAG:O4	0.443
13	A:30:LYS:HB3	C:12:FUC:C2	0.442
13	A:341:ASN:CB	A:342:PRO:HD3	0.441
13	B:199:PRO:HD3	M:12:FUC:H63	0.441
13	B:341:ASN:CB	B:342:PRO:HD3	0.441
13	A:199:PRO:HD3	E:12:FUC:H63	0.440
13	B:33:SER:HB3	B:83:ILE:HD12	0.440
13	A:33:SER:HB3	A:83:ILE:HD12	0.439
13	A:409:ASN:OD1	G:2:NAG:C6	0.437
13	B:409:ASN:OD1	O:2:NAG:C6	0.436
13	A:461:SER:C	H:1:NAG:C	0.435
13	A:485:SER:HA	A:486:PRO:C	0.435
13	B:485:SER:HA	B:486:PRO:C	0.435
13	A:469:TYR:O	J:2:NAG:H61	0.434
13	A:386:LYS:HD2	A:397:ILE:HD11	0.433
13	A:460:ASN:CG	H:10:GAL:H61	0.433
13	B:460:ASN:CG	P:10:GAL:H61	0.433
13	B:469:TYR:O	R:2:NAG:H61	0.432
13	B:386:LYS:HD2	B:397:ILE:HD11	0.431
13	A:460:ASN:CB	H:10:GAL:H61	0.431
13	B:460:ASN:CB	P:10:GAL:H61	0.431
13	A:461:SER:O	H:1:NAG:O	0.431

Model ID	Atom-1	Atom-2	Clash overlap (Å)
13	A:527:ASN:HA	A:528:PRO:C	0.427
13	B:527:ASN:HA	B:528:PRO:C	0.427
13	A:410:ASN:ND2	J:7:SIA:C9	0.423
13	B:410:ASN:ND2	R:7:SIA:C9	0.423
13	A:378:LEU:HD12	A:417:LEU:HG	0.421
13	B:378:LEU:HD12	B:417:LEU:HG	0.421
13	A:491:ARG:NE	I:1:NAG:C3	0.421
13	B:491:ARG:NE	Q:1:NAG:C3	0.421
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	B:491:ARG:NH2	Q:1:NAG:O3	0.412
13	A:423:ILE:O	A:425:PRO:HD3	0.411
13	B:469:TYR:O	R:3:BMA:C2	0.411
13	A:469:TYR:O	J:3:BMA:C2	0.410
13	A:491:ARG:NH2	I:1:NAG:O3	0.410
13	A:150:LEU:CG	E:2:NAG:C6	0.404
13	A:262:ARG:HH12	A:264:SER:HA	0.401
13	B:150:LEU:CG	M:2:NAG:C6	0.401
13	B:262:ARG:HH12	B:264:SER:HA	0.401
14	A:445:GLN:HG2	J:1:NAG:C3	1.560
14	B:445:GLN:HG2	R:1:NAG:C3	1.558
14	A:240:ILE:HG22	F:1:NAG:C	1.548

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:240:ILE:HG22	N:1:NAG:C	1.543
14	A:445:GLN:CG	J:1:NAG:H4	1.475
14	B:445:GLN:CG	R:1:NAG:H4	1.471
14	B:445:GLN:CG	R:1:NAG:C4	1.415
14	A:240:ILE:CB	F:1:NAG:CT	1.410
14	B:240:ILE:CB	N:1:NAG:CT	1.410
14	A:445:GLN:CG	J:1:NAG:C4	1.409
14	A:150:LEU:O	E:8:MAN:C5	1.341
14	B:150:LEU:O	M:8:MAN:C5	1.339
14	A:445:GLN:HG2	J:1:NAG:C2	1.302
14	B:445:GLN:HG2	R:1:NAG:C2	1.298
14	A:491:ARG:HG2	I:1:NAG:O	1.277
14	B:491:ARG:HG2	Q:1:NAG:O	1.277
14	B:240:ILE:CG2	N:1:NAG:C	1.270
14	A:240:ILE:CG2	F:1:NAG:C	1.263
14	A:160:ASN:ND2	E:9:NAG:O6	1.222
14	B:160:ASN:ND2	M:9:NAG:O6	1.221
14	A:455:GLU:OE2	I:12:FUC:O3	1.199
14	B:455:GLU:OE2	Q:12:FUC:O3	1.196
14	A:445:GLN:CG	J:1:NAG:C3	1.169
14	B:445:GLN:CG	R:1:NAG:C3	1.169
14	B:150:LEU:O	M:8:MAN:C6	1.155
14	A:150:LEU:O	E:8:MAN:C6	1.149

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:240:ILE:HD13	N:10:GAL:H2	1.106
14	A:240:ILE:HD13	F:10:GAL:H2	1.103
14	A:163:THR:HG23	E:12:FUC:O3	1.101
14	B:277:ASP:OD1	N:11:SIA:O11	1.094
14	A:277:ASP:OD1	F:11:SIA:O11	1.092
14	A:491:ARG:CG	I:1:NAG:O	1.088
14	B:491:ARG:CG	Q:1:NAG:O	1.088
14	A:160:ASN:ND2	E:9:NAG:H4	1.072
14	B:160:ASN:ND2	M:9:NAG:H4	1.070
14	A:150:LEU:C	E:8:MAN:C5	1.063
14	B:150:LEU:C	M:8:MAN:C5	1.063
14	A:114:ASN:ND2	D:1:NAG:C1	1.059
14	B:114:ASN:ND2	L:1:NAG:C1	1.057
14	B:160:ASN:HD21	M:9:NAG:H4	1.041
14	A:160:ASN:HD21	E:9:NAG:H4	1.035
14	A:277:ASP:HB2	F:11:SIA:O11	1.034
14	B:277:ASP:HB2	N:11:SIA:O11	1.032
14	B:240:ILE:HD13	N:10:GAL:C2	1.019
14	B:445:GLN:HG2	R:1:NAG:C4	1.019
14	A:240:ILE:HD13	F:10:GAL:C2	1.018
14	A:445:GLN:HG2	J:1:NAG:C4	1.018
14	A:150:LEU:C	E:8:MAN:H5	1.010
14	B:150:LEU:C	M:8:MAN:H5	1.010

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:445:GLN:HG3	R:1:NAG:C4	1.007
14	A:445:GLN:HG3	J:1:NAG:C4	1.001
14	A:511:PHE:CB	I:12:FUC:H3	0.988
14	B:511:PHE:CB	Q:12:FUC:H3	0.988
14	B:445:GLN:CG	R:1:NAG:C2	0.985
14	A:445:GLN:CG	J:1:NAG:C2	0.981
14	B:150:LEU:O	M:8:MAN:H5	0.977
14	A:511:PHE:CB	I:12:FUC:H5	0.975
14	B:511:PHE:CB	Q:12:FUC:H5	0.973
14	A:150:LEU:O	E:8:MAN:H5	0.973
14	B:467:LEU:HD13	R:2:NAG:O6	0.970
14	A:467:LEU:HD13	J:2:NAG:O6	0.967
14	B:277:ASP:HB2	N:11:SIA:C1	0.955
14	A:277:ASP:HB2	F:11:SIA:C1	0.954
14	A:491:ARG:O	I:1:NAG:C	0.948
14	B:491:ARG:O	Q:1:NAG:C	0.948
14	B:240:ILE:CD1	N:10:GAL:O5	0.936
14	A:240:ILE:CD1	F:10:GAL:O5	0.934
14	A:277:ASP:CB	F:11:SIA:O11	0.925
14	B:277:ASP:CB	N:11:SIA:O11	0.924
14	A:160:ASN:CG	E:9:NAG:O6	0.923
14	B:160:ASN:CG	M:9:NAG:O6	0.921
14	A:455:GLU:CD	I:12:FUC:O3	0.911

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:455:GLU:CD	Q:12:FUC:O3	0.911
14	B:240:ILE:HD11	N:10:GAL:O4	0.908
14	A:240:ILE:HD11	F:10:GAL:O4	0.907
14	A:163:THR:CG2	E:12:FUC:O3	0.902
14	A:277:ASP:CG	F:11:SIA:O11	0.892
14	B:277:ASP:CG	N:11:SIA:O11	0.891
14	A:185:GLN:NE2	D:11:SIA:O11	0.891
14	B:185:GLN:NE2	L:11:SIA:O11	0.891
14	A:160:ASN:HD21	E:9:NAG:C4	0.877
14	B:160:ASN:HD21	M:9:NAG:C4	0.876
14	A:240:ILE:HG21	F:1:NAG:CT	0.874
14	B:240:ILE:HG21	N:1:NAG:CT	0.874
14	A:501:ASP:OD2	A:502:PHE:HD2	0.837
14	B:501:ASP:OD2	B:502:PHE:HD2	0.835
14	B:148:ARG:CB	M:1:NAG:H61	0.827
14	A:148:ARG:CB	E:1:NAG:H61	0.826
14	A:445:GLN:HG3	J:1:NAG:H4	0.801
14	B:445:GLN:HG3	R:1:NAG:H4	0.801
14	B:408:LYS:HG2	O:12:FUC:O3	0.795
14	A:408:LYS:HG2	G:12:FUC:O3	0.794
14	A:150:LEU:O	E:8:MAN:O5	0.791
14	B:150:LEU:O	M:8:MAN:O5	0.789
14	A:240:ILE:HG21	F:1:NAG:N	0.772

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:240:ILE:HD11	F:10:GAL:C4	0.772
14	B:240:ILE:HG21	N:1:NAG:N	0.772
14	B:240:ILE:HD11	N:10:GAL:C4	0.772
14	A:467:LEU:O	J:1:NAG:O	0.772
14	B:467:LEU:O	R:1:NAG:O	0.772
14	B:148:ARG:HB2	M:1:NAG:H61	0.768
14	A:148:ARG:HB2	E:1:NAG:H61	0.765
14	A:499:ASN:H	A:499:ASN:HD22	0.765
14	B:499:ASN:HD21	B:502:PHE:HB2	0.764
14	A:499:ASN:HD21	A:502:PHE:HB2	0.763
14	A:185:GLN:NE2	D:11:SIA:C1	0.763
14	B:185:GLN:NE2	L:11:SIA:C1	0.762
14	B:499:ASN:H	B:499:ASN:HD22	0.762
14	A:240:ILE:HD12	F:9:NAG:O3	0.761
14	B:240:ILE:HD12	N:9:NAG:O3	0.759
14	A:240:ILE:HD11	F:10:GAL:C5	0.756
14	A:501:ASP:OD2	A:502:PHE:CD2	0.756
14	B:240:ILE:HD11	N:10:GAL:C5	0.755
14	B:501:ASP:OD2	B:502:PHE:CD2	0.754
14	A:185:GLN:CD	D:11:SIA:O12	0.743
14	B:185:GLN:CD	L:11:SIA:O12	0.743
14	A:511:PHE:CB	I:12:FUC:C3	0.742
14	B:511:PHE:CB	Q:12:FUC:C3	0.742

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:240:ILE:CD1	F:10:GAL:O4	0.739
14	B:240:ILE:CD1	N:10:GAL:O4	0.739
14	B:467:LEU:CD1	R:2:NAG:O6	0.723
14	A:240:ILE:C	F:1:NAG:CT	0.723
14	B:240:ILE:C	N:1:NAG:CT	0.722
14	A:467:LEU:CD1	J:2:NAG:O6	0.721
14	A:160:ASN:CG	E:9:NAG:HO6	0.718
14	B:160:ASN:CG	M:9:NAG:HO6	0.718
14	A:511:PHE:CB	I:12:FUC:C5	0.707
14	B:511:PHE:CB	Q:12:FUC:C5	0.706
14	A:163:THR:CB	E:12:FUC:O3	0.704
14	A:163:THR:C	E:12:FUC:O3	0.699
14	A:408:LYS:CG	G:12:FUC:O3	0.698
14	B:408:LYS:CG	O:12:FUC:O3	0.697
14	B:512:GLU:HG3	Q:12:FUC:O4	0.695
14	A:512:GLU:HG3	I:12:FUC:O4	0.693
14	A:498:LEU:HB2	A:502:PHE:O	0.691
14	B:498:LEU:HB2	B:502:PHE:O	0.690
14	A:240:ILE:CA	F:1:NAG:CT	0.689
14	B:240:ILE:CA	N:1:NAG:CT	0.689
14	A:504:GLN:HG2	H:11:SIA:O4	0.685
14	A:240:ILE:HG22	F:1:NAG:O	0.677
14	A:163:THR:HA	E:12:FUC:O2	0.675

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:499:ASN:N	B:499:ASN:ND2	0.675
14	A:499:ASN:N	A:499:ASN:ND2	0.674
14	B:240:ILE:HG22	N:1:NAG:O	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:511:PHE:CB	I:12:FUC:C4	0.662
14	B:511:PHE:CB	Q:12:FUC:C4	0.662
14	A:491:ARG:O	I:1:NAG:O	0.662
14	B:445:GLN:HG2	R:1:NAG:O3	0.661
14	B:491:ARG:O	Q:1:NAG:O	0.660
14	A:445:GLN:HG2	J:1:NAG:O3	0.659
14	A:491:ARG:O	I:1:NAG:CT	0.658
14	B:491:ARG:O	Q:1:NAG:CT	0.658
14	A:455:GLU:OE2	I:12:FUC:C3	0.655
14	B:455:GLU:OE2	Q:12:FUC:C3	0.655
14	B:114:ASN:HD21	L:1:NAG:C1	0.653
14	A:114:ASN:HD21	D:1:NAG:C1	0.651
14	B:240:ILE:CG2	N:1:NAG:N	0.643
14	A:240:ILE:CG2	F:1:NAG:N	0.642
14	A:112:VAL:O	D:1:NAG:O	0.640
14	B:112:VAL:O	L:1:NAG:O	0.639
14	B:212:THR:OG1	L:11:SIA:N	0.631
14	B:212:THR:HB	L:11:SIA:O	0.630

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:245:THR:HB	N:11:SIA:CT	0.626
14	A:245:THR:HB	F:11:SIA:CT	0.625
14	A:166:ASN:HD22	E:1:NAG:C1	0.622
14	B:166:ASN:HD22	M:1:NAG:C1	0.622
14	B:28:ARG:CG	B:28:ARG:HH11	0.614
14	A:160:ASN:HD21	E:9:NAG:C5	0.614
14	B:160:ASN:HD21	M:9:NAG:C5	0.613
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:467:LEU:O	J:1:NAG:C	0.609
14	B:467:LEU:O	R:1:NAG:C	0.609
14	A:163:THR:CA	E:12:FUC:O2	0.605
14	A:240:ILE:CG2	F:1:NAG:CT	0.605
14	B:240:ILE:CG2	N:1:NAG:CT	0.605
14	A:185:GLN:CD	D:11:SIA:C1	0.603
14	B:150:LEU:CA	M:8:MAN:H5	0.603
14	B:185:GLN:CD	L:11:SIA:C1	0.603
14	A:150:LEU:CA	E:8:MAN:H5	0.602
14	A:148:ARG:HA	E:1:NAG:H61	0.599
14	B:148:ARG:HA	M:1:NAG:H61	0.598
14	A:445:GLN:HG3	J:2:NAG:O5	0.596
14	A:240:ILE:CD1	F:10:GAL:C4	0.595

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:240:ILE:CD1	N:10:GAL:C4	0.594
14	B:445:GLN:HG3	R:2:NAG:O5	0.594
14	B:240:ILE:HD13	N:10:GAL:C1	0.593
14	A:240:ILE:HD13	F:10:GAL:C1	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:467:LEU:HD13	J:2:NAG:HO6	0.587
14	B:467:LEU:HD13	R:2:NAG:HO6	0.586
14	A:116:SER:HB3	D:11:SIA:O	0.575
14	B:116:SER:HB3	L:11:SIA:O	0.573
14	B:455:GLU:OE1	Q:12:FUC:O3	0.572
14	A:455:GLU:OE1	I:12:FUC:O3	0.571
14	A:408:LYS:CB	G:12:FUC:O3	0.567
14	B:408:LYS:CB	O:12:FUC:O3	0.567
14	A:148:ARG:CA	E:1:NAG:H61	0.563
14	B:148:ARG:CA	M:1:NAG:H61	0.563
14	B:463:ASN:OD1	P:11:SIA:CT	0.563
14	A:463:ASN:OD1	H:11:SIA:CT	0.562
14	A:391:ASN:HB3	A:393:GLN:HG3	0.560
14	B:391:ASN:HB3	B:393:GLN:HG3	0.560
14	A:30:LYS:CG	C:11:SIA:O4	0.557
14	A:240:ILE:HG21	F:1:NAG:C	0.557

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:163:THR:OG1	E:12:FUC:O4	0.557
14	B:30:LYS:CG	K:11:SIA:O4	0.556
14	A:160:ASN:HD21	E:9:NAG:C6	0.553
14	B:160:ASN:HD21	M:9:NAG:C6	0.553
14	B:28:ARG:HG2	B:28:ARG:HH11	0.552
14	B:240:ILE:HG22	N:1:NAG:CT	0.552
14	A:28:ARG:HG2	A:28:ARG:HH11	0.551
14	B:240:ILE:HD12	N:9:NAG:HO3	0.551
14	A:240:ILE:HG22	F:1:NAG:CT	0.550
14	A:240:ILE:HD12	F:9:NAG:HO3	0.550
14	B:240:ILE:HG21	N:1:NAG:C	0.550
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:408:LYS:HB2	O:12:FUC:O2	0.543
14	A:150:LEU:HD21	E:3:BMA:O2	0.542
14	A:408:LYS:HB2	G:12:FUC:O2	0.542
14	B:150:LEU:HD21	M:3:BMA:O2	0.542
14	A:160:ASN:ND2	E:9:NAG:C6	0.541
14	B:105:ARG:HG2	B:203:LEU:HB3	0.540
14	B:160:ASN:ND2	M:9:NAG:C6	0.540
14	A:30:LYS:HB3	C:11:SIA:H32	0.539

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:240:ILE:HG23	F:1:NAG:CT	0.539
14	B:30:LYS:HB3	K:11:SIA:H32	0.539
14	B:240:ILE:HG23	N:1:NAG:CT	0.537
14	A:359:THR:HG22	A:393:GLN:HG2	0.536
14	B:359:THR:HG22	B:393:GLN:HG2	0.536
14	A:150:LEU:HD23	E:3:BMA:O5	0.530
14	B:150:LEU:HD23	M:3:BMA:O5	0.530
14	B:408:LYS:CB	O:12:FUC:O2	0.529
14	B:240:ILE:HD12	N:10:GAL:O5	0.529
14	A:408:LYS:CB	G:12:FUC:O2	0.528
14	A:240:ILE:HD12	F:10:GAL:O5	0.528
14	A:504:GLN:CD	H:11:SIA:O4	0.527
14	A:163:THR:C	E:12:FUC:O2	0.519
14	A:240:ILE:CD1	F:10:GAL:C1	0.517
14	B:240:ILE:CD1	N:10:GAL:C1	0.515
14	A:504:GLN:CG	H:11:SIA:O4	0.507
14	A:114:ASN:OD1	D:11:SIA:H31	0.501
14	B:114:ASN:OD1	L:11:SIA:H31	0.501
14	A:160:ASN:ND2	E:9:NAG:C4	0.501
14	A:185:GLN:CD	D:11:SIA:O11	0.499
14	B:185:GLN:CD	L:11:SIA:O11	0.499
14	A:499:ASN:N	A:499:ASN:HD22	0.499
14	B:160:ASN:ND2	M:9:NAG:C4	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:499:ASN:N	B:499:ASN:HD22	0.497
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	A:148:ARG:HB3	E:1:NAG:H4	0.472
14	B:148:ARG:HB3	M:1:NAG:H4	0.471
14	A:408:LYS:HB3	G:12:FUC:C2	0.467
14	B:408:LYS:HB3	O:12:FUC:C2	0.467
14	A:528:PRO:HA	A:529:PRO:HD3	0.457
14	B:528:PRO:HA	B:529:PRO:HD3	0.454
14	A:77:ARG:HH21	A:91:PRO:HB2	0.451
14	B:445:GLN:HG3	R:2:NAG:C1	0.445
14	A:445:GLN:HG3	J:2:NAG:C1	0.444
14	A:341:ASN:CB	A:342:PRO:HD3	0.441
14	B:341:ASN:CB	B:342:PRO:HD3	0.441
14	B:33:SER:HB3	B:83:ILE:HD12	0.440
14	A:33:SER:HB3	A:83:ILE:HD12	0.439
14	A:469:TYR:OH	J:2:NAG:C2	0.438
14	B:469:TYR:OH	R:2:NAG:C2	0.437
14	B:212:THR:CB	L:11:SIA:N	0.436
14	A:485:SER:HA	A:486:PRO:C	0.435
14	B:485:SER:HA	B:486:PRO:C	0.435

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	A:160:ASN:ND2	E:9:NAG:HO6	0.435
14	A:240:ILE:CD1	F:10:GAL:C5	0.434
14	B:148:ARG:HB2	M:1:NAG:C6	0.434
14	A:386:LYS:HD2	A:397:ILE:HD11	0.433
14	B:212:THR:HB	L:11:SIA:C	0.433
14	B:386:LYS:HD2	B:397:ILE:HD11	0.431
14	B:160:ASN:ND2	M:9:NAG:HO6	0.431
14	A:148:ARG:HB2	E:1:NAG:C6	0.430
14	A:150:LEU:HA	E:8:MAN:H5	0.427
14	A:527:ASN:HA	A:528:PRO:C	0.427
14	B:150:LEU:HA	M:8:MAN:H5	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	A:240:ILE:HD11	F:10:GAL:O5	0.419
14	B:240:ILE:HD11	N:10:GAL:O5	0.416
14	A:159:PRO:HB2	E:10:GAL:O5	0.414
14	B:231:GLU:HA	B:328:THR:O	0.413
14	A:231:GLU:HA	A:328:THR:O	0.412
14	B:159:PRO:HB2	M:10:GAL:O5	0.412
14	B:423:ILE:O	B:425:PRO:HD3	0.412
14	A:408:LYS:HB2	G:12:FUC:O3	0.411
14	A:423:ILE:O	A:425:PRO:HD3	0.411

Model ID	Atom-1	Atom-2	Clash overlap (Å)
14	B:408:LYS:HB2	O:12:FUC:O3	0.411
14	A:240:ILE:CD1	F:10:GAL:C2	0.411
14	B:240:ILE:CD1	N:10:GAL:C2	0.405
14	A:408:LYS:HB3	G:12:FUC:O2	0.405
14	B:408:LYS:HB3	O:12:FUC:O2	0.405
14	A:262:ARG:HH12	A:264:SER:HA	0.401
14	B:262:ARG:HH12	B:264:SER:HA	0.401
15	B:240:ILE:CD1	N:10:GAL:H2	1.381
15	A:240:ILE:CD1	F:10:GAL:H2	1.377
15	A:399:VAL:HG23	J:4:MAN:O4	1.314
15	B:399:VAL:HG23	R:4:MAN:O4	1.310
15	A:114:ASN:ND2	D:1:NAG:C1	1.297
15	B:114:ASN:ND2	L:1:NAG:C1	1.297
15	A:240:ILE:HD13	F:10:GAL:C2	1.248
15	B:240:ILE:HD13	N:10:GAL:C2	1.248
15	B:460:ASN:O	P:1:NAG:H61	1.202
15	A:460:ASN:O	H:1:NAG:H61	1.198
15	A:240:ILE:HD11	F:10:GAL:O4	1.196
15	B:240:ILE:HD11	N:10:GAL:O4	1.195
15	A:460:ASN:O	H:1:NAG:H4	1.181
15	B:460:ASN:O	P:1:NAG:H4	1.176
15	A:413:ASN:HD21	G:1:NAG:C2	1.161
15	B:31:ASN:O	K:11:SIA:O4	1.153

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:31:ASN:O	C:11:SIA:O4	1.151
15	A:383:ASN:HA	J:7:SIA:O7	1.134
15	B:383:ASN:HA	R:7:SIA:O7	1.131
15	A:383:ASN:CB	J:6:GAL:H3	1.127
15	B:383:ASN:CB	R:6:GAL:H3	1.126
15	A:460:ASN:O	H:1:NAG:C6	1.116
15	B:460:ASN:O	P:1:NAG:C6	1.116
15	A:453:THR:HG21	H:12:FUC:H2	1.091
15	B:460:ASN:O	P:1:NAG:C4	1.086
15	B:453:THR:HG21	P:12:FUC:H2	1.084
15	A:460:ASN:O	H:1:NAG:C4	1.084
15	A:461:SER:O	H:12:FUC:O2	1.081
15	A:399:VAL:CG2	J:4:MAN:O4	1.019
15	B:399:VAL:CG2	R:4:MAN:O4	1.017
15	B:111:GLN:HB3	L:10:GAL:H62	1.013
15	B:463:ASN:ND2	P:1:NAG:C1	1.012
15	A:463:ASN:ND2	H:1:NAG:C1	1.011
15	A:111:GLN:HB3	D:10:GAL:H62	1.009
15	A:491:ARG:O	I:1:NAG:O	0.982
15	A:114:ASN:HD21	D:1:NAG:C1	0.981
15	B:491:ARG:O	Q:1:NAG:O	0.979
15	B:114:ASN:HD21	L:1:NAG:C1	0.977
15	A:460:ASN:OD1	H:1:NAG:O	0.971

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:460:ASN:OD1	P:1:NAG:O	0.971
15	A:413:ASN:ND2	G:1:NAG:C2	0.970
15	A:114:ASN:CG	D:1:NAG:C1	0.969
15	B:114:ASN:CG	L:1:NAG:C1	0.968
15	B:277:ASP:HB2	N:11:SIA:O11	0.962
15	A:277:ASP:HB2	F:11:SIA:O11	0.961
15	A:463:ASN:HD22	H:1:NAG:C1	0.960
15	B:463:ASN:HD22	P:1:NAG:C1	0.960
15	A:445:GLN:HG3	J:1:NAG:C6	0.956
15	B:445:GLN:HG3	R:1:NAG:C6	0.953
15	A:413:ASN:ND2	G:1:NAG:C	0.952
15	A:461:SER:HA	H:1:NAG:H61	0.946
15	A:277:ASP:OD1	F:11:SIA:O8	0.939
15	B:277:ASP:OD1	N:11:SIA:O8	0.938
15	A:461:SER:O	H:12:FUC:C1	0.936
15	A:413:ASN:HD21	G:1:NAG:C	0.912
15	B:383:ASN:HB2	R:6:GAL:H3	0.908
15	A:383:ASN:HB2	J:6:GAL:H3	0.905
15	B:399:VAL:HG23	R:4:MAN:HO4	0.894
15	A:399:VAL:HG23	J:4:MAN:HO4	0.887
15	B:111:GLN:HB3	L:10:GAL:C6	0.887
15	A:111:GLN:HB3	D:10:GAL:C6	0.885
15	A:460:ASN:OD1	H:1:NAG:C2	0.884

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:460:ASN:OD1	P:1:NAG:C2	0.884
15	A:185:GLN:CD	D:11:SIA:CT	0.882
15	B:185:GLN:CD	L:11:SIA:CT	0.882
15	A:460:ASN:O	H:1:NAG:C5	0.879
15	B:460:ASN:O	P:1:NAG:C5	0.878
15	A:461:SER:HA	H:12:FUC:C1	0.872
15	B:240:ILE:CD1	N:10:GAL:C2	0.872
15	A:240:ILE:CD1	F:10:GAL:C2	0.867
15	A:445:GLN:HG3	J:1:NAG:H61	0.860
15	B:445:GLN:HG3	R:1:NAG:H61	0.858
15	A:114:ASN:ND2	D:1:NAG:O5	0.852
15	B:114:ASN:ND2	L:1:NAG:O5	0.851
15	A:445:GLN:HG3	J:1:NAG:O6	0.847
15	B:445:GLN:HG3	R:1:NAG:O6	0.844
15	A:501:ASP:OD2	A:502:PHE:HD2	0.837
15	A:383:ASN:CG	J:6:GAL:H3	0.836
15	B:383:ASN:CG	R:6:GAL:H3	0.835
15	B:501:ASP:OD2	B:502:PHE:HD2	0.835
15	B:383:ASN:CA	R:7:SIA:O7	0.825
15	A:383:ASN:CA	J:7:SIA:O7	0.822
15	B:463:ASN:HD21	P:1:NAG:C2	0.813
15	A:413:ASN:ND2	G:1:NAG:N	0.813
15	A:463:ASN:HD21	H:1:NAG:C2	0.812

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:461:SER:CA	H:1:NAG:H61	0.809
15	A:148:ARG:NE	E:2:NAG:H62	0.790
15	B:460:ASN:C	P:1:NAG:H61	0.786
15	A:460:ASN:C	H:1:NAG:H61	0.785
15	B:148:ARG:NE	M:2:NAG:H62	0.783
15	A:240:ILE:HD11	F:10:GAL:C4	0.771
15	A:277:ASP:CB	F:11:SIA:O11	0.771
15	B:240:ILE:HD11	N:10:GAL:C4	0.771
15	B:277:ASP:CB	N:11:SIA:O11	0.771
15	A:499:ASN:H	A:499:ASN:HD22	0.765
15	B:499:ASN:HD21	B:502:PHE:HB2	0.764
15	A:499:ASN:HD21	A:502:PHE:HB2	0.763
15	B:499:ASN:H	B:499:ASN:HD22	0.762
15	A:461:SER:HA	H:1:NAG:C6	0.758
15	A:240:ILE:CD1	F:10:GAL:O4	0.757
15	A:501:ASP:OD2	A:502:PHE:CD2	0.756
15	B:240:ILE:CD1	N:10:GAL:O4	0.755
15	B:501:ASP:OD2	B:502:PHE:CD2	0.754
15	A:277:ASP:CG	F:11:SIA:HO8	0.752
15	A:413:ASN:ND2	G:1:NAG:O	0.745
15	A:461:SER:O	H:12:FUC:C2	0.742
15	A:111:GLN:HG3	D:10:GAL:O6	0.740
15	B:111:GLN:HG3	L:10:GAL:O6	0.738

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:277:ASP:HB2	N:11:SIA:H6	0.736
15	A:277:ASP:HB2	F:11:SIA:H6	0.735
15	A:445:GLN:CG	J:1:NAG:C6	0.730
15	B:445:GLN:CG	R:1:NAG:C6	0.730
15	B:277:ASP:CG	N:11:SIA:HO8	0.716
15	A:445:GLN:HG3	J:12:FUC:C1	0.713
15	B:445:GLN:HG3	R:12:FUC:C1	0.713
15	A:461:SER:CA	H:12:FUC:C1	0.708
15	A:460:ASN:HB3	H:1:NAG:H4	0.704
15	B:460:ASN:HB3	P:1:NAG:H4	0.702
15	B:277:ASP:CB	N:11:SIA:H6	0.698
15	A:277:ASP:CB	F:11:SIA:H6	0.697
15	A:445:GLN:CG	J:1:NAG:H61	0.695
15	B:445:GLN:CG	R:1:NAG:H61	0.694
15	A:31:ASN:HA	C:11:SIA:H31	0.691
15	A:498:LEU:HB2	A:502:PHE:O	0.691
15	B:31:ASN:HA	K:11:SIA:H31	0.691
15	A:277:ASP:HB2	F:11:SIA:C1	0.690
15	B:498:LEU:HB2	B:502:PHE:O	0.690
15	B:277:ASP:HB2	N:11:SIA:C1	0.689
15	A:30:LYS:HB3	C:1:NAG:C	0.680
15	B:30:LYS:HB3	K:1:NAG:C	0.680
15	B:499:ASN:N	B:499:ASN:ND2	0.675

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:413:ASN:CG	G:1:NAG:N	0.665
15	B:185:GLN:HG2	L:11:SIA:O	0.648
15	A:185:GLN:HG2	D:11:SIA:O	0.647
15	B:240:ILE:HD13	N:10:GAL:H2	0.635
15	A:240:ILE:HD13	F:10:GAL:H2	0.632
15	A:383:ASN:CG	J:6:GAL:C3	0.626
15	B:383:ASN:CG	R:6:GAL:C3	0.626
15	A:150:LEU:HD22	E:4:MAN:H62	0.624
15	B:150:LEU:HD22	M:4:MAN:H62	0.624
15	B:28:ARG:CG	B:28:ARG:HH11	0.614
15	A:461:SER:C	H:12:FUC:C1	0.613
15	A:28:ARG:CG	A:28:ARG:HH11	0.612
15	B:277:ASP:OD1	N:11:SIA:O11	0.611
15	A:341:ASN:HB3	A:342:PRO:HD3	0.610
15	B:341:ASN:HB3	B:342:PRO:HD3	0.610
15	A:277:ASP:OD1	F:11:SIA:O11	0.610
15	A:461:SER:O	H:1:NAG:O6	0.604
15	A:463:ASN:ND2	H:1:NAG:C2	0.602
15	A:460:ASN:CB	H:1:NAG:H4	0.599
15	B:463:ASN:ND2	P:1:NAG:C2	0.599

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:460:ASN:CB	P:1:NAG:H4	0.598
15	A:409:ASN:HD22	A:410:ASN:H	0.592
15	A:447:LEU:HB3	A:448:PRO:HD3	0.591
15	B:409:ASN:HD22	B:410:ASN:H	0.591
15	A:453:THR:HG21	H:12:FUC:C2	0.590
15	B:148:ARG:NE	M:1:NAG:O3	0.590
15	A:148:ARG:NE	E:1:NAG:O3	0.588
15	A:377:LYS:HD3	J:7:SIA:C9	0.586
15	B:377:LYS:HD3	R:7:SIA:C9	0.585
15	B:453:THR:HG21	P:12:FUC:C2	0.585
15	A:111:GLN:CG	D:10:GAL:O6	0.576
15	B:111:GLN:CG	L:10:GAL:O6	0.576
15	A:413:ASN:CG	G:1:NAG:C	0.572
15	A:383:ASN:OD1	J:6:GAL:C3	0.565
15	B:383:ASN:OD1	R:6:GAL:C3	0.564
15	A:391:ASN:HB3	A:393:GLN:HG3	0.560
15	B:391:ASN:HB3	B:393:GLN:HG3	0.560
15	B:150:LEU:HD22	M:4:MAN:C6	0.554
15	A:150:LEU:HD22	E:4:MAN:C6	0.552
15	A:377:LYS:CD	J:7:SIA:C9	0.552
15	B:28:ARG:HG2	B:28:ARG:HH11	0.552
15	A:28:ARG:HG2	A:28:ARG:HH11	0.551
15	B:377:LYS:CD	R:7:SIA:C9	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:405:PRO:HD3	R:8:MAN:O6	0.551
15	A:405:PRO:HD3	J:8:MAN:O6	0.549
15	B:488:THR:HG22	B:491:ARG:NH2	0.548
15	A:488:THR:HG22	A:491:ARG:NH2	0.547
15	A:114:ASN:OD1	D:1:NAG:C1	0.547
15	A:109:LEU:H	A:109:LEU:HD12	0.545
15	A:185:GLN:CG	D:11:SIA:CT	0.545
15	B:109:LEU:H	B:109:LEU:HD12	0.545
15	B:185:GLN:CG	L:11:SIA:CT	0.545
15	B:240:ILE:CD1	N:10:GAL:C1	0.545
15	A:240:ILE:CD1	F:10:GAL:C1	0.544
15	B:105:ARG:HG2	B:203:LEU:HB3	0.540
15	B:150:LEU:CD2	M:4:MAN:H62	0.539
15	A:150:LEU:CD2	E:4:MAN:H62	0.538
15	B:30:LYS:HB3	K:1:NAG:O	0.537
15	A:30:LYS:HB3	C:1:NAG:O	0.536
15	A:359:THR:HG22	A:393:GLN:HG2	0.536
15	B:359:THR:HG22	B:393:GLN:HG2	0.536
15	B:114:ASN:OD1	L:1:NAG:C1	0.535
15	A:384:TRP:NE1	J:5:NAG:O6	0.535
15	B:384:TRP:NE1	R:5:NAG:O6	0.534
15	A:382:ALA:HA	J:5:NAG:C6	0.531
15	B:382:ALA:HA	R:5:NAG:C6	0.530

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:377:LYS:HG2	J:7:SIA:O	0.525
15	B:377:LYS:HG2	R:7:SIA:O	0.525
15	A:433:GLN:CD	G:1:NAG:N	0.524
15	B:433:GLN:CD	O:1:NAG:N	0.524
15	A:30:LYS:O	C:1:NAG:CT	0.523
15	B:30:LYS:O	K:1:NAG:CT	0.523
15	A:148:ARG:HE	E:1:NAG:HO3	0.523
15	B:383:ASN:OD1	R:6:GAL:O2	0.520
15	A:383:ASN:OD1	J:6:GAL:O3	0.518
15	B:383:ASN:OD1	R:6:GAL:O3	0.517
15	A:382:ALA:HA	J:5:NAG:H61	0.509
15	B:382:ALA:HA	R:5:NAG:H61	0.509
15	A:166:ASN:HD22	E:1:NAG:C1	0.509
15	B:166:ASN:HD22	M:1:NAG:C1	0.509
15	B:383:ASN:HB3	R:6:GAL:H3	0.509
15	A:383:ASN:HB3	J:6:GAL:H3	0.507
15	A:445:GLN:HB3	J:12:FUC:O2	0.506
15	B:445:GLN:HB3	R:12:FUC:O2	0.505
15	A:240:ILE:CD1	F:10:GAL:O5	0.503
15	B:240:ILE:CD1	N:10:GAL:O5	0.503
15	A:499:ASN:N	A:499:ASN:HD22	0.499
15	A:460:ASN:C	H:1:NAG:H4	0.497
15	B:499:ASN:N	B:499:ASN:HD22	0.497

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	B:460:ASN:C	P:1:NAG:H4	0.495
15	B:31:ASN:C	K:11:SIA:O4	0.483
15	B:445:GLN:CG	R:1:NAG:O6	0.483
15	A:445:GLN:CG	J:1:NAG:O6	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:31:ASN:C	C:11:SIA:O4	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:460:ASN:OD1	H:1:NAG:C	0.470
15	B:460:ASN:OD1	P:1:NAG:C	0.470
15	B:377:LYS:HE2	R:7:SIA:H7	0.458
15	A:528:PRO:HA	A:529:PRO:HD3	0.457
15	A:377:LYS:HE2	J:7:SIA:H7	0.456
15	B:528:PRO:HA	B:529:PRO:HD3	0.454
15	A:185:GLN:NE2	D:11:SIA:CT	0.453
15	B:185:GLN:NE2	L:11:SIA:CT	0.453
15	A:77:ARG:HH21	A:91:PRO:HB2	0.451
15	B:453:THR:CG2	P:12:FUC:H2	0.448
15	A:382:ALA:HB1	J:5:NAG:O6	0.447
15	A:384:TRP:CD1	J:5:NAG:O6	0.447
15	B:382:ALA:HB1	R:5:NAG:O6	0.447
15	B:384:TRP:CD1	R:5:NAG:O6	0.446

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:453:THR:CG2	H:12:FUC:H2	0.443
15	B:277:ASP:CG	N:11:SIA:O11	0.443
15	A:240:ILE:HD11	F:10:GAL:C2	0.442
15	B:111:GLN:O	L:10:GAL:C4	0.442
15	A:277:ASP:CG	F:11:SIA:O11	0.442
15	A:341:ASN:CB	A:342:PRO:HD3	0.441
15	B:341:ASN:CB	B:342:PRO:HD3	0.441
15	B:33:SER:HB3	B:83:ILE:HD12	0.440
15	A:111:GLN:O	D:10:GAL:C4	0.440
15	A:33:SER:HB3	A:83:ILE:HD12	0.439
15	B:240:ILE:HD11	N:10:GAL:C2	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:111:GLN:O	D:10:GAL:H4	0.434
15	B:111:GLN:O	L:10:GAL:H4	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:383:ASN:HB2	J:6:GAL:C3	0.426
15	B:277:ASP:CG	N:11:SIA:C8	0.426
15	B:240:ILE:HD11	N:10:GAL:O5	0.425
15	B:383:ASN:HB2	R:6:GAL:C3	0.424

Model ID	Atom-1	Atom-2	Clash overlap (Å)
15	A:111:GLN:CB	D:10:GAL:O6	0.423
15	A:240:ILE:HD11	F:10:GAL:O5	0.423
15	B:111:GLN:CB	L:10:GAL:O6	0.423
15	A:277:ASP:CG	F:11:SIA:C8	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	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	B:111:GLN:HB3	L:10:GAL:O6	0.408
15	B:148:ARG:HE	M:1:NAG:HO3	0.408
15	A:111:GLN:HB3	D:10:GAL:O6	0.406
15	A:383:ASN:HB2	J:6:GAL:C2	0.404
15	B:383:ASN:HB2	R:6:GAL:C2	0.403
15	A:262:ARG:HH12	A:264:SER:HA	0.401
15	B:262:ARG:HH12	B:264:SER:HA	0.401
16	A:240:ILE:HB	F:10:GAL:C4	1.629
16	B:240:ILE:HB	N:10:GAL:C4	1.627
16	B:240:ILE:CG2	N:10:GAL:O3	1.452
16	A:435:TYR:CZ	G:2:NAG:H61	1.452
16	A:240:ILE:CG2	F:10:GAL:O3	1.451
16	B:435:TYR:CZ	O:2:NAG:H61	1.451

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:110:HIS:CG	L:1:NAG:CT	1.440
16	A:110:HIS:CG	D:1:NAG:CT	1.439
16	B:515:ILE:CD1	R:9:NAG:O	1.410
16	A:515:ILE:CD1	J:9:NAG:O	1.408
16	A:515:ILE:HD13	J:9:NAG:CT	1.367
16	A:445:GLN:OE1	J:1:NAG:CT	1.366
16	B:445:GLN:OE1	R:1:NAG:CT	1.366
16	B:515:ILE:HD13	R:9:NAG:CT	1.365
16	A:413:ASN:OD1	G:1:NAG:C1	1.344
16	A:110:HIS:CB	D:1:NAG:CT	1.342
16	B:110:HIS:CB	L:1:NAG:CT	1.342
16	A:515:ILE:CD1	J:9:NAG:C	1.299
16	B:515:ILE:CD1	R:9:NAG:C	1.298
16	A:166:ASN:HD22	E:1:NAG:C1	1.262
16	B:166:ASN:HD22	M:1:NAG:C1	1.260
16	B:240:ILE:CB	N:10:GAL:C4	1.249
16	A:240:ILE:CB	F:10:GAL:C4	1.248
16	A:240:ILE:CB	F:10:GAL:O4	1.242
16	A:240:ILE:HG21	F:10:GAL:O3	1.241
16	B:240:ILE:HG21	N:10:GAL:O3	1.241
16	B:240:ILE:CB	N:10:GAL:O4	1.240
16	A:515:ILE:HD12	J:9:NAG:O	1.210
16	B:515:ILE:HD13	R:9:NAG:C	1.210

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:435:TYR:OH	G:2:NAG:C5	1.209
16	A:515:ILE:HD13	J:9:NAG:C	1.208
16	B:511:PHE:CB	Q:12:FUC:O4	1.208
16	B:435:TYR:OH	O:2:NAG:C5	1.208
16	A:511:PHE:CB	I:12:FUC:O4	1.207
16	B:240:ILE:HB	N:10:GAL:O4	1.207
16	B:515:ILE:HD12	R:9:NAG:O	1.207
16	A:240:ILE:HB	F:10:GAL:O4	1.205
16	B:240:ILE:CB	N:10:GAL:O3	1.186
16	B:243:ASN:ND2	N:1:NAG:C1	1.181
16	A:240:ILE:CB	F:10:GAL:O3	1.180
16	A:243:ASN:ND2	F:1:NAG:C1	1.179
16	B:435:TYR:OH	O:2:NAG:O6	1.138
16	A:435:TYR:OH	G:2:NAG:O6	1.132
16	A:413:ASN:CG	G:1:NAG:C1	1.117
16	B:110:HIS:HB3	L:1:NAG:CT	1.117
16	A:110:HIS:HB3	D:1:NAG:CT	1.111
16	A:445:GLN:OE1	J:1:NAG:N	1.109
16	B:445:GLN:OE1	R:1:NAG:N	1.109
16	B:435:TYR:OH	O:2:NAG:C6	1.102
16	A:435:TYR:OH	G:2:NAG:C6	1.102
16	A:515:ILE:HD12	J:9:NAG:C	1.064
16	B:515:ILE:HD12	R:9:NAG:C	1.058

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:445:GLN:OE1	J:1:NAG:C	1.058
16	B:445:GLN:OE1	R:1:NAG:C	1.057
16	B:240:ILE:HB	N:10:GAL:C3	1.028
16	A:240:ILE:HB	F:10:GAL:C3	1.027
16	A:537:ARG:HD3	J:8:MAN:O6	1.026
16	B:537:ARG:HD3	R:8:MAN:O6	1.023
16	A:537:ARG:CD	J:8:MAN:O6	1.010
16	B:537:ARG:CD	R:8:MAN:O6	1.008
16	B:166:ASN:ND2	M:1:NAG:C1	1.006
16	A:166:ASN:ND2	E:1:NAG:C1	1.005
16	B:435:TYR:CE2	O:2:NAG:H61	0.998
16	A:435:TYR:CE2	G:2:NAG:H61	0.996
16	A:413:ASN:ND2	G:1:NAG:C1	0.995
16	A:166:ASN:HB3	E:1:NAG:C1	0.990
16	B:166:ASN:HB3	M:1:NAG:C1	0.990
16	A:435:TYR:OH	G:2:NAG:H62	0.980
16	A:240:ILE:HB	F:10:GAL:H4	0.979
16	B:435:TYR:OH	O:2:NAG:H62	0.979
16	B:30:LYS:HB3	K:1:NAG:CT	0.977
16	B:240:ILE:HB	N:10:GAL:H4	0.977
16	A:30:LYS:HB3	C:1:NAG:CT	0.976
16	B:240:ILE:CG2	N:11:SIA:C3	0.976
16	A:240:ILE:CG2	F:11:SIA:C3	0.975

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:243:ASN:HD21	F:1:NAG:C1	0.962
16	B:243:ASN:HD21	N:1:NAG:C1	0.961
16	A:433:GLN:OE1	G:1:NAG:C3	0.953
16	B:433:GLN:OE1	O:1:NAG:C3	0.953
16	A:515:ILE:CD1	J:9:NAG:CT	0.950
16	B:240:ILE:CB	N:10:GAL:C3	0.949
16	A:240:ILE:CB	F:10:GAL:C3	0.947
16	B:515:ILE:CD1	R:9:NAG:CT	0.946
16	A:433:GLN:OE1	G:1:NAG:O3	0.936
16	B:433:GLN:OE1	O:1:NAG:O3	0.935
16	A:413:ASN:HD21	G:1:NAG:C1	0.919
16	A:435:TYR:HH	G:2:NAG:C6	0.895
16	B:435:TYR:HH	O:2:NAG:C6	0.894
16	A:166:ASN:CB	E:1:NAG:C1	0.885
16	B:166:ASN:CB	M:1:NAG:C1	0.884
16	A:166:ASN:HB3	E:1:NAG:C2	0.873
16	B:240:ILE:HG23	N:11:SIA:C3	0.873
16	A:240:ILE:HG23	F:11:SIA:C3	0.872
16	B:166:ASN:HB3	M:1:NAG:C2	0.872
16	A:240:ILE:HG21	F:11:SIA:C2	0.863
16	B:240:ILE:HG21	N:11:SIA:C2	0.863
16	B:435:TYR:CE2	O:2:NAG:C6	0.848
16	B:435:TYR:CZ	O:2:NAG:C6	0.845

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:435:TYR:CE2	G:2:NAG:C6	0.844
16	A:445:GLN:HB3	J:1:NAG:CT	0.842
16	B:445:GLN:HB3	R:1:NAG:CT	0.841
16	A:435:TYR:CZ	G:2:NAG:C6	0.839
16	A:501:ASP:OD2	A:502:PHE:HD2	0.837
16	B:240:ILE:CB	N:10:GAL:H4	0.835
16	B:501:ASP:OD2	B:502:PHE:HD2	0.835
16	A:240:ILE:CB	F:10:GAL:H4	0.830
16	A:114:ASN:CG	D:11:SIA:CT	0.825
16	B:114:ASN:CG	L:11:SIA:CT	0.823
16	B:240:ILE:CG1	N:10:GAL:H4	0.823
16	A:240:ILE:CG1	F:10:GAL:H4	0.822
16	B:535:ILE:HD12	R:2:NAG:H5	0.819
16	A:535:ILE:HD12	J:2:NAG:H5	0.818
16	A:240:ILE:CG2	F:11:SIA:C2	0.814
16	B:240:ILE:CG2	N:11:SIA:C2	0.813
16	A:435:TYR:CZ	G:2:NAG:H62	0.803
16	B:435:TYR:CZ	O:2:NAG:H62	0.799
16	A:114:ASN:OD1	D:11:SIA:CT	0.793
16	B:114:ASN:OD1	L:11:SIA:CT	0.791
16	A:30:LYS:CB	C:1:NAG:CT	0.786
16	B:30:LYS:CB	K:1:NAG:CT	0.785
16	B:240:ILE:HG23	N:11:SIA:H32	0.785

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:240:ILE:HG23	F:11:SIA:H32	0.784
16	A:110:HIS:CD2	D:1:NAG:CT	0.771
16	B:110:HIS:CD2	L:1:NAG:CT	0.770
16	B:511:PHE:CB	Q:12:FUC:HO4	0.769
16	A:114:ASN:OD1	D:11:SIA:O4	0.766
16	B:114:ASN:OD1	L:11:SIA:O4	0.766
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:511:PHE:CB	I:12:FUC:HO4	0.760
16	A:501:ASP:OD2	A:502:PHE:CD2	0.756
16	A:413:ASN:OD1	G:1:NAG:C2	0.756
16	B:501:ASP:OD2	B:502:PHE:CD2	0.754
16	A:30:LYS:CG	C:1:NAG:CT	0.745
16	B:240:ILE:CA	N:10:GAL:O4	0.745
16	A:240:ILE:CA	F:10:GAL:O4	0.744
16	B:30:LYS:CG	K:1:NAG:CT	0.744
16	A:166:ASN:HB3	E:1:NAG:N	0.736
16	B:166:ASN:HB3	M:1:NAG:N	0.736
16	B:240:ILE:HD12	N:10:GAL:C4	0.734
16	B:112:VAL:C	L:11:SIA:C3	0.732
16	A:112:VAL:C	D:11:SIA:C3	0.731

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:240:ILE:HD12	F:10:GAL:C4	0.728
16	B:240:ILE:CG1	N:10:GAL:C4	0.727
16	B:243:ASN:ND2	N:1:NAG:O5	0.727
16	A:243:ASN:ND2	F:1:NAG:O5	0.726
16	A:240:ILE:CG1	F:10:GAL:C4	0.725
16	A:435:TYR:CZ	G:2:NAG:C5	0.724
16	B:435:TYR:CZ	O:2:NAG:C5	0.720
16	A:240:ILE:CG2	F:11:SIA:H31	0.707
16	B:240:ILE:CG2	N:11:SIA:H31	0.706
16	A:433:GLN:OE1	G:1:NAG:H3	0.694
16	B:433:GLN:OE1	O:1:NAG:H3	0.693
16	B:445:GLN:CD	R:1:NAG:CT	0.692
16	A:498:LEU:HB2	A:502:PHE:O	0.691
16	A:445:GLN:CD	J:1:NAG:CT	0.691
16	B:498:LEU:HB2	B:502:PHE:O	0.690
16	A:413:ASN:HD21	G:1:NAG:C2	0.687
16	A:455:GLU:OE2	I:12:FUC:O3	0.676
16	B:499:ASN:N	B:499:ASN:ND2	0.675
16	A:499:ASN:N	A:499:ASN:ND2	0.674
16	B:455:GLU:OE2	Q:12:FUC:O3	0.674
16	A:240:ILE:HD12	F:10:GAL:H4	0.671
16	A:499:ASN:H	A:499:ASN:ND2	0.671
16	A:240:ILE:HG23	F:11:SIA:H31	0.670

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:240:ILE:HG23	N:11:SIA:H31	0.670
16	B:499:ASN:H	B:499:ASN:ND2	0.669
16	B:240:ILE:HD12	N:10:GAL:H4	0.668
16	A:435:TYR:HH	G:2:NAG:H62	0.665
16	B:435:TYR:HH	O:2:NAG:H62	0.663
16	A:110:HIS:HB2	D:1:NAG:CT	0.659
16	B:240:ILE:CD1	N:10:GAL:H4	0.657
16	A:240:ILE:CD1	F:10:GAL:H4	0.656
16	B:110:HIS:HB2	L:1:NAG:CT	0.655
16	B:445:GLN:CB	R:1:NAG:CT	0.651
16	A:413:ASN:ND2	G:1:NAG:C2	0.650
16	A:445:GLN:CB	J:1:NAG:CT	0.649
16	A:512:GLU:N	I:12:FUC:O3	0.647
16	B:512:GLU:N	Q:12:FUC:O3	0.647
16	B:435:TYR:CE2	O:2:NAG:H62	0.644
16	A:435:TYR:CE2	G:2:NAG:H62	0.641
16	B:114:ASN:ND2	L:11:SIA:CT	0.627
16	A:114:ASN:ND2	D:11:SIA:CT	0.626
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	A:413:ASN:CG	G:1:NAG:C2	0.598

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:435:TYR:CZ	G:2:NAG:H5	0.590
16	B:435:TYR:CZ	O:2:NAG:H5	0.590
16	A:409:ASN:OD1	G:2:NAG:CT	0.582
16	B:409:ASN:OD1	O:2:NAG:CT	0.582
16	B:110:HIS:ND1	L:1:NAG:CT	0.573
16	A:515:ILE:HB	J:9:NAG:O	0.572
16	A:502:PHE:HB3	H:1:NAG:O	0.571
16	B:515:ILE:HB	R:9:NAG:O	0.571
16	B:502:PHE:HB3	P:1:NAG:O	0.570
16	A:110:HIS:ND1	D:1:NAG:CT	0.570
16	B:166:ASN:CG	M:1:NAG:C1	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:166:ASN:CG	E:1:NAG:C1	0.560
16	A:166:ASN:CB	E:1:NAG:N	0.557
16	B:166:ASN:CB	M:1:NAG:N	0.556
16	B:28:ARG:HG2	B:28:ARG:HH11	0.552
16	A:28:ARG:HG2	A:28:ARG:HH11	0.551
16	A:240:ILE:HG21	F:11:SIA:C3	0.551
16	A:240:ILE:CG2	F:11:SIA:H32	0.548

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:240:ILE:HG21	N:11:SIA:C3	0.545
16	B:240:ILE:CG2	N:11:SIA:H32	0.543
16	B:105:ARG:HG2	B:203:LEU:HB3	0.540
16	B:166:ASN:HA	M:1:NAG:CT	0.538
16	A:166:ASN:HA	E:1:NAG:CT	0.537
16	A:359:THR:HG22	A:393:GLN:HG2	0.536
16	B:359:THR:HG22	B:393:GLN:HG2	0.536
16	B:166:ASN:ND2	M:1:NAG:O5	0.534
16	A:166:ASN:ND2	E:1:NAG:O5	0.531
16	B:148:ARG:HA	M:1:NAG:C	0.529
16	A:148:ARG:HA	E:1:NAG:C	0.528
16	A:240:ILE:CG2	F:10:GAL:C3	0.527
16	A:243:ASN:HD22	F:1:NAG:C1	0.527
16	A:413:ASN:OD1	G:1:NAG:N	0.526
16	B:240:ILE:CG2	N:10:GAL:C3	0.523
16	B:243:ASN:HD22	N:1:NAG:C1	0.522
16	B:515:ILE:CG1	R:9:NAG:O	0.517
16	A:515:ILE:CG1	J:9:NAG:O	0.513
16	A:499:ASN:N	A:499:ASN:HD22	0.499

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	B:499:ASN:N	B:499:ASN:HD22	0.497
16	A:533:ILE:O	J:1:NAG:H4	0.494
16	B:533:ILE:O	R:1:NAG:H4	0.494
16	A:240:ILE:HG21	F:10:GAL:C3	0.488
16	B:240:ILE:HG21	N:10:GAL:C3	0.484
16	A:30:LYS:HB3	C:1:NAG:C	0.483
16	B:30:LYS:HB3	K:1:NAG:C	0.481
16	B:28:ARG:CG	B:28:ARG:NH1	0.479
16	B:423:ILE:HB	B:424:PRO:HD3	0.479
16	A:240:ILE:N	F:10:GAL:O4	0.479
16	B:240:ILE:N	N:10:GAL:O4	0.479
16	A:28:ARG:CG	A:28:ARG:NH1	0.478
16	A:423:ILE:HB	A:424:PRO:HD3	0.477
16	B:537:ARG:CD	R:8:MAN:C6	0.459
16	A:537:ARG:CD	J:8:MAN:C6	0.458
16	A:528:PRO:HA	A:529:PRO:HD3	0.457
16	B:528:PRO:HA	B:529:PRO:HD3	0.454
16	A:114:ASN:OD1	D:11:SIA:C4	0.452
16	B:114:ASN:OD1	L:11:SIA:C4	0.452
16	A:77:ARG:HH21	A:91:PRO:HB2	0.451
16	A:515:ILE:CB	J:9:NAG:O	0.451
16	B:515:ILE:CB	R:9:NAG:O	0.451
16	B:511:PHE:C	Q:12:FUC:O4	0.447

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:511:PHE:C	I:12:FUC:O4	0.446
16	A:240:ILE:HG21	F:11:SIA:H31	0.443
16	A:341:ASN:CB	A:342:PRO:HD3	0.441
16	B:341:ASN:CB	B:342:PRO:HD3	0.441
16	B:33:SER:HB3	B:83:ILE:HD12	0.440
16	A:33:SER:HB3	A:83:ILE:HD12	0.439
16	B:240:ILE:HG21	N:11:SIA:H31	0.438
16	B:435:TYR:OH	O:2:NAG:H61	0.437
16	A:485:SER:HA	A:486:PRO:C	0.435
16	B:485:SER:HA	B:486:PRO:C	0.435
16	A:435:TYR:OH	G:2:NAG:H61	0.434
16	A:386:LYS:HD2	A:397:ILE:HD11	0.433
16	A:535:ILE:HD12	J:2:NAG:C5	0.433
16	B:386:LYS:HD2	B:397:ILE:HD11	0.431
16	B:535:ILE:HD12	R:2:NAG:C5	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:112:VAL:O	D:1:NAG:CT	0.425
16	B:112:VAL:O	L:1:NAG:CT	0.424
16	A:378:LEU:HD12	A:417:LEU:HG	0.421
16	B:378:LEU:HD12	B:417:LEU:HG	0.421
16	A:537:ARG:HD2	J:8:MAN:C6	0.420
16	B:537:ARG:HD2	R:8:MAN:C6	0.420

Model ID	Atom-1	Atom-2	Clash overlap (Å)
16	A:114:ASN:OD1	D:11:SIA:C5	0.414
16	B:114:ASN:OD1	L:11:SIA:C5	0.414
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
17	B:382:ALA:HA	R:7:SIA:CT	1.620
17	A:382:ALA:HA	J:7:SIA:CT	1.619
17	A:445:GLN:HG2	J:11:SIA:C5	1.573
17	B:445:GLN:HG2	R:11:SIA:C5	1.566
17	A:460:ASN:ND2	H:1:NAG:CT	1.549
17	B:460:ASN:ND2	P:1:NAG:CT	1.546
17	B:445:GLN:CB	R:11:SIA:O4	1.417
17	A:445:GLN:CB	J:11:SIA:O4	1.414
17	A:409:ASN:CG	G:2:NAG:H62	1.344
17	B:409:ASN:CG	O:2:NAG:H62	1.342
17	B:382:ALA:CA	R:7:SIA:CT	1.317
17	A:382:ALA:CA	J:7:SIA:CT	1.314
17	B:112:VAL:CG2	L:11:SIA:O11	1.305
17	A:112:VAL:CG2	D:11:SIA:O11	1.302
17	B:112:VAL:HG21	L:11:SIA:O11	1.286

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:409:ASN:OD1	O:2:NAG:C6	1.282
17	A:399:VAL:HG11	J:8:MAN:C6	1.281
17	A:409:ASN:OD1	G:2:NAG:C6	1.281
17	B:399:VAL:HG11	R:8:MAN:C6	1.280
17	A:112:VAL:HG21	D:11:SIA:O11	1.277
17	B:409:ASN:OD1	O:2:NAG:H62	1.258
17	A:399:VAL:CG1	J:8:MAN:H62	1.253
17	A:409:ASN:OD1	G:2:NAG:H62	1.252
17	B:399:VAL:CG1	R:8:MAN:H62	1.251
17	A:463:ASN:ND2	H:1:NAG:C1	1.244
17	B:463:ASN:ND2	P:1:NAG:C1	1.243
17	B:467:LEU:O	R:11:SIA:C4	1.241
17	A:467:LEU:O	J:11:SIA:C4	1.238
17	A:445:GLN:CG	J:11:SIA:C5	1.230
17	B:445:GLN:CG	R:11:SIA:C5	1.230
17	B:445:GLN:CD	R:11:SIA:CT	1.198
17	A:445:GLN:CD	J:11:SIA:CT	1.197
17	A:399:VAL:CG1	J:8:MAN:C6	1.175
17	B:399:VAL:CG1	R:8:MAN:C6	1.174
17	B:112:VAL:CG1	L:11:SIA:O11	1.151
17	A:112:VAL:CG1	D:11:SIA:O11	1.150
17	A:491:ARG:NH1	I:2:NAG:H62	1.145
17	B:491:ARG:NH1	Q:2:NAG:H62	1.143

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:381:PRO:O	J:7:SIA:CT	1.136
17	B:381:PRO:O	R:7:SIA:CT	1.136
17	A:463:ASN:HD22	H:1:NAG:C1	1.132
17	B:463:ASN:HD22	P:1:NAG:C1	1.128
17	A:413:ASN:ND2	G:1:NAG:N	1.111
17	A:461:SER:C	H:1:NAG:O	1.095
17	A:445:GLN:NE2	J:1:NAG:CT	1.075
17	B:445:GLN:NE2	R:1:NAG:CT	1.074
17	A:467:LEU:O	J:11:SIA:H4	1.038
17	B:467:LEU:O	R:11:SIA:H4	1.036
17	A:409:ASN:HB2	G:1:NAG:O3	1.028
17	B:409:ASN:HB2	O:1:NAG:O3	1.027
17	B:30:LYS:O	K:11:SIA:H31	1.002
17	B:445:GLN:HG2	R:11:SIA:C4	1.001
17	A:30:LYS:O	C:11:SIA:H31	1.001
17	B:491:ARG:CZ	Q:2:NAG:H62	0.999
17	A:445:GLN:HG2	J:11:SIA:C4	0.998
17	A:491:ARG:CZ	I:2:NAG:H62	0.998
17	B:491:ARG:HH12	Q:2:NAG:H62	0.996
17	A:491:ARG:HH12	I:2:NAG:H62	0.993
17	A:445:GLN:HB2	J:11:SIA:O4	0.989
17	B:445:GLN:HB2	R:11:SIA:O4	0.988
17	A:460:ASN:CG	H:1:NAG:N	0.976

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:460:ASN:CG	P:1:NAG:N	0.976
17	A:381:PRO:O	J:7:SIA:C	0.959
17	B:381:PRO:O	R:7:SIA:C	0.959
17	A:112:VAL:HG21	D:11:SIA:C1	0.955
17	B:112:VAL:HG21	L:11:SIA:C1	0.954
17	B:491:ARG:HH12	Q:2:NAG:C6	0.922
17	A:491:ARG:HH12	I:2:NAG:C6	0.921
17	A:114:ASN:ND2	D:11:SIA:CT	0.917
17	B:114:ASN:ND2	L:11:SIA:CT	0.917
17	A:112:VAL:CB	D:11:SIA:O11	0.911
17	B:112:VAL:CB	L:11:SIA:O11	0.910
17	A:467:LEU:C	J:11:SIA:H4	0.901
17	B:467:LEU:C	R:11:SIA:H4	0.899
17	A:491:ARG:NH2	I:2:NAG:H62	0.896
17	B:491:ARG:NH2	Q:2:NAG:H62	0.895
17	A:148:ARG:N	E:1:NAG:CT	0.892
17	B:148:ARG:N	M:1:NAG:CT	0.892
17	A:445:GLN:NE2	J:1:NAG:C	0.888
17	B:445:GLN:NE2	R:1:NAG:C	0.887
17	B:445:GLN:CG	R:11:SIA:C4	0.886
17	A:445:GLN:CG	J:11:SIA:C4	0.883
17	A:445:GLN:NE2	J:11:SIA:CT	0.882
17	B:445:GLN:NE2	R:11:SIA:CT	0.881

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:461:SER:CA	H:1:NAG:O	0.867
17	A:30:LYS:HA	C:11:SIA:H32	0.865
17	B:30:LYS:HA	K:11:SIA:H32	0.865
17	A:413:ASN:ND2	G:1:NAG:C	0.865
17	A:445:GLN:CG	J:11:SIA:O4	0.859
17	B:445:GLN:CG	R:11:SIA:O4	0.859
17	B:148:ARG:HB2	M:1:NAG:O3	0.856
17	A:148:ARG:HB2	E:1:NAG:O3	0.855
17	B:460:ASN:ND2	P:1:NAG:C	0.851
17	A:460:ASN:ND2	H:1:NAG:C	0.850
17	A:501:ASP:OD2	A:502:PHE:HD2	0.837
17	B:501:ASP:OD2	B:502:PHE:HD2	0.835
17	B:148:ARG:HA	M:1:NAG:CT	0.828
17	A:148:ARG:HA	E:1:NAG:CT	0.827
17	A:445:GLN:CB	J:11:SIA:C4	0.825
17	B:445:GLN:CB	R:11:SIA:C4	0.825
17	B:148:ARG:CB	M:1:NAG:O3	0.823
17	A:148:ARG:CB	E:1:NAG:O3	0.822
17	B:243:ASN:ND2	N:1:NAG:C1	0.820
17	A:243:ASN:ND2	F:1:NAG:C1	0.819
17	B:445:GLN:HB2	R:11:SIA:C4	0.812
17	A:445:GLN:HB2	J:11:SIA:C4	0.811
17	A:381:PRO:C	J:7:SIA:CT	0.809

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:381:PRO:C	R:7:SIA:CT	0.808
17	B:469:TYR:O	R:10:GAL:O6	0.806
17	A:469:TYR:O	J:10:GAL:O6	0.805
17	B:463:ASN:HD21	P:1:NAG:C1	0.793
17	B:469:TYR:N	R:11:SIA:C1	0.793
17	A:463:ASN:HD21	H:1:NAG:C1	0.792
17	A:469:TYR:N	J:11:SIA:C1	0.792
17	B:409:ASN:OD1	O:2:NAG:O6	0.787
17	A:409:ASN:OD1	G:2:NAG:O6	0.786
17	A:491:ARG:HH22	I:2:NAG:C5	0.783
17	A:469:TYR:CE1	J:10:GAL:O3	0.782
17	B:491:ARG:HH22	Q:2:NAG:C5	0.782
17	B:469:TYR:CE1	R:10:GAL:O3	0.781
17	A:381:PRO:O	J:7:SIA:O	0.781
17	B:381:PRO:O	R:7:SIA:O	0.780
17	A:148:ARG:CA	E:1:NAG:CT	0.775
17	B:148:ARG:CA	M:1:NAG:CT	0.775
17	B:469:TYR:H	R:11:SIA:C1	0.775
17	A:469:TYR:H	J:11:SIA:C1	0.774
17	A:499:ASN:H	A:499:ASN:HD22	0.765
17	B:499:ASN:HD21	B:502:PHE:HB2	0.764
17	A:499:ASN:HD21	A:502:PHE:HB2	0.763
17	B:499:ASN:H	B:499:ASN:HD22	0.762

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:148:ARG:HB3	M:1:NAG:C3	0.758
17	A:148:ARG:HB3	E:1:NAG:C3	0.756
17	A:501:ASP:OD2	A:502:PHE:CD2	0.756
17	A:409:ASN:CB	G:2:NAG:H62	0.755
17	B:409:ASN:CB	O:2:NAG:H62	0.754
17	B:501:ASP:OD2	B:502:PHE:CD2	0.754
17	A:240:ILE:HG22	F:1:NAG:CT	0.749
17	A:409:ASN:CB	G:1:NAG:O3	0.748
17	B:240:ILE:HG22	N:1:NAG:CT	0.748
17	B:409:ASN:CB	O:1:NAG:O3	0.747
17	B:469:TYR:N	R:11:SIA:O12	0.741
17	A:469:TYR:N	J:11:SIA:O12	0.740
17	A:491:ARG:HH22	I:2:NAG:C6	0.734
17	B:491:ARG:HH22	Q:2:NAG:C6	0.733
17	B:491:ARG:HH22	Q:2:NAG:H62	0.733
17	A:491:ARG:HH22	I:2:NAG:H62	0.732
17	B:399:VAL:HG11	R:8:MAN:H62	0.727
17	A:445:GLN:CB	J:11:SIA:C5	0.726
17	A:399:VAL:HG11	J:8:MAN:H62	0.724
17	B:445:GLN:CB	R:11:SIA:C5	0.723
17	B:382:ALA:C	R:7:SIA:CT	0.722
17	A:382:ALA:C	J:7:SIA:CT	0.721
17	A:112:VAL:HB	D:10:GAL:O3	0.717

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:112:VAL:HB	L:10:GAL:O3	0.715
17	B:409:ASN:CG	O:2:NAG:C6	0.711
17	A:409:ASN:CG	G:2:NAG:C6	0.700
17	A:112:VAL:CG2	D:11:SIA:C1	0.695
17	B:112:VAL:CG2	L:11:SIA:C1	0.693
17	A:498:LEU:HB2	A:502:PHE:O	0.691
17	B:498:LEU:HB2	B:502:PHE:O	0.690
17	B:112:VAL:CB	L:11:SIA:C1	0.688
17	A:112:VAL:CB	D:11:SIA:C1	0.685
17	B:382:ALA:N	R:7:SIA:CT	0.685
17	A:382:ALA:N	J:7:SIA:CT	0.683
17	B:445:GLN:HE21	R:1:NAG:CT	0.679
17	A:445:GLN:CG	J:11:SIA:H31	0.678
17	B:445:GLN:CG	R:11:SIA:H31	0.678
17	A:445:GLN:HE21	J:1:NAG:CT	0.678
17	B:499:ASN:N	B:499:ASN:ND2	0.675
17	A:499:ASN:N	A:499:ASN:ND2	0.674
17	A:458:GLU:OE2	H:2:NAG:O6	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:445:GLN:HG2	J:11:SIA:C3	0.668
17	B:445:GLN:HG2	R:11:SIA:C3	0.667
17	B:112:VAL:HB	L:10:GAL:O4	0.654

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:112:VAL:HB	D:10:GAL:O4	0.653
17	A:461:SER:O	H:1:NAG:O	0.646
17	A:445:GLN:CD	J:1:NAG:CT	0.645
17	B:445:GLN:CD	R:1:NAG:CT	0.645
17	A:30:LYS:O	C:11:SIA:C3	0.642
17	B:30:LYS:O	K:11:SIA:C3	0.641
17	A:110:HIS:CE1	D:1:NAG:C	0.636
17	A:491:ARG:NH1	I:2:NAG:C6	0.633
17	B:110:HIS:CE1	L:1:NAG:C	0.631
17	B:491:ARG:NH1	Q:2:NAG:C6	0.629
17	A:112:VAL:HB	D:10:GAL:C4	0.627
17	B:112:VAL:HB	L:10:GAL:C4	0.627
17	A:469:TYR:N	J:11:SIA:O11	0.625
17	A:413:ASN:HD21	G:1:NAG:C	0.624
17	B:469:TYR:N	R:11:SIA:O11	0.624
17	A:148:ARG:HB3	E:1:NAG:H3	0.622
17	B:148:ARG:HB3	M:1:NAG:H3	0.622
17	A:445:GLN:HG3	J:11:SIA:H31	0.621
17	B:445:GLN:HG3	R:11:SIA:H31	0.621
17	A:166:ASN:CB	E:1:NAG:C1	0.617
17	B:166:ASN:CB	M:1:NAG:C1	0.617
17	A:148:ARG:HA	E:1:NAG:C	0.615
17	B:148:ARG:HA	M:1:NAG:C	0.615

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:28:ARG:CG	B:28:ARG:HH11	0.614
17	B:458:GLU:OE2	P:2:NAG:O6	0.614
17	A:28:ARG:CG	A:28:ARG:HH11	0.612
17	A:413:ASN:HD22	G:1:NAG:C	0.611
17	A:341:ASN:HB3	A:342:PRO:HD3	0.610
17	B:341:ASN:HB3	B:342:PRO:HD3	0.610
17	B:491:ARG:NH2	Q:2:NAG:O5	0.608
17	A:491:ARG:NH2	I:2:NAG:O5	0.606
17	A:445:GLN:CG	J:11:SIA:C3	0.597
17	A:445:GLN:HE22	J:1:NAG:C	0.596
17	B:445:GLN:CG	R:11:SIA:C3	0.595
17	B:445:GLN:HE22	R:1:NAG:C	0.595
17	B:445:GLN:OE1	R:11:SIA:CT	0.594
17	A:445:GLN:OE1	J:11:SIA:CT	0.592
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	A:114:ASN:CG	D:11:SIA:CT	0.579
17	B:114:ASN:CG	L:11:SIA:CT	0.578
17	A:463:ASN:ND2	H:1:NAG:C2	0.578
17	B:463:ASN:ND2	P:1:NAG:C2	0.576
17	A:460:ASN:OD1	H:1:NAG:N	0.573
17	B:460:ASN:OD1	P:1:NAG:N	0.572

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:148:ARG:HB3	E:1:NAG:O3	0.569
17	B:148:ARG:HB3	M:1:NAG:O3	0.566
17	B:460:ASN:ND2	P:1:NAG:N	0.562
17	A:491:ARG:NH2	I:2:NAG:C6	0.561
17	A:460:ASN:ND2	H:1:NAG:N	0.561
17	A:391:ASN:HB3	A:393:GLN:HG3	0.560
17	B:391:ASN:HB3	B:393:GLN:HG3	0.560
17	B:491:ARG:NH2	Q:2:NAG:C6	0.558
17	B:28:ARG:HG2	B:28:ARG:HH11	0.552
17	A:28:ARG:HG2	A:28:ARG:HH11	0.551
17	B:488:THR:HG22	B:491:ARG:NH2	0.548
17	A:488:THR:HG22	A:491:ARG:NH2	0.547
17	A:413:ASN:ND2	G:1:NAG:C1	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	A:445:GLN:HG2	J:11:SIA:H31	0.544
17	B:445:GLN:HG2	R:11:SIA:H31	0.543
17	B:105:ARG:HG2	B:203:LEU:HB3	0.540
17	B:166:ASN:HD22	M:1:NAG:C1	0.540
17	A:166:ASN:HD22	E:1:NAG:C1	0.539
17	A:359:THR:HG22	A:393:GLN:HG2	0.536
17	B:359:THR:HG22	B:393:GLN:HG2	0.536
17	A:445:GLN:CG	J:11:SIA:CT	0.536

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	B:445:GLN:CG	R:11:SIA:CT	0.536
17	A:166:ASN:HB3	E:1:NAG:C1	0.535
17	B:166:ASN:HB3	M:1:NAG:C1	0.534
17	A:463:ASN:ND2	H:1:NAG:N	0.533
17	B:463:ASN:ND2	P:1:NAG:N	0.532
17	B:30:LYS:HA	K:11:SIA:C3	0.525
17	A:30:LYS:HA	C:11:SIA:C3	0.523
17	A:491:ARG:NH2	I:2:NAG:C5	0.520
17	B:491:ARG:NH2	Q:2:NAG:C5	0.520
17	B:460:ASN:O	P:1:NAG:O	0.505
17	A:460:ASN:O	H:1:NAG:O	0.501
17	A:243:ASN:HD22	F:1:NAG:C1	0.499
17	A:499:ASN:N	A:499:ASN:HD22	0.499
17	B:499:ASN:N	B:499:ASN:HD22	0.497
17	B:243:ASN:HD22	N:1:NAG:C1	0.496
17	A:458:GLU:OE2	H:2:NAG:C6	0.493
17	B:458:GLU:OE2	P:2:NAG:C6	0.492
17	A:413:ASN:ND2	G:1:NAG:C2	0.490
17	B:166:ASN:HB2	M:1:NAG:C1	0.489
17	A:166:ASN:HB2	E:1:NAG:C1	0.487
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:423:ILE:HB	A:424:PRO:HD3	0.477
17	A:528:PRO:HA	A:529:PRO:HD3	0.457
17	B:528:PRO:HA	B:529:PRO:HD3	0.454
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:399:VAL:HB	J:8:MAN:H61	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	B:399:VAL:HB	R:8:MAN:H61	0.429
17	A:527:ASN:HA	A:528:PRO:C	0.427
17	B:527:ASN:HA	B:528:PRO:C	0.427
17	A:532:ASN:OD1	J:1:NAG:C1	0.427
17	B:532:ASN:OD1	R:1:NAG:C1	0.427
17	A:413:ASN:ND2	G:1:NAG:CT	0.425
17	A:378:LEU:HD12	A:417:LEU:HG	0.421
17	B:378:LEU:HD12	B:417:LEU:HG	0.421
17	A:114:ASN:HD21	D:11:SIA:CT	0.415
17	A:413:ASN:HD21	G:1:NAG:CT	0.415

Model ID	Atom-1	Atom-2	Clash overlap (Å)
17	A:114:ASN:HD21	D:11:SIA:C5	0.414
17	B:114:ASN:HD21	L:11:SIA:C5	0.414
17	B:231:GLU:HA	B:328:THR:O	0.413
17	A:231:GLU:HA	A:328:THR:O	0.412
17	B:423:ILE:O	B:425:PRO:HD3	0.412
17	A:423:ILE:O	A:425:PRO:HD3	0.411
17	B:114:ASN:HD21	L:11:SIA:CT	0.411
17	B:110:HIS:CE1	L:1:NAG:O	0.408
17	A:262:ARG:HH12	A:264:SER:HA	0.401
17	B:262:ARG:HH12	B:264:SER:HA	0.401
18	A:413:ASN:HD21	G:1:NAG:C	1.611
18	A:504:GLN:CA	H:1:NAG:CT	1.448
18	A:413:ASN:ND2	G:1:NAG:C	1.425
18	A:504:GLN:CG	H:1:NAG:CT	1.422
18	A:504:GLN:HB2	H:1:NAG:C	1.371
18	A:504:GLN:CB	H:1:NAG:C	1.336
18	A:413:ASN:ND2	G:1:NAG:N	1.254
18	A:463:ASN:CG	H:1:NAG:C1	1.251
18	B:463:ASN:CG	P:1:NAG:C1	1.251
18	A:463:ASN:OD1	H:1:NAG:C1	1.207
18	B:463:ASN:OD1	P:1:NAG:C1	1.205
18	A:112:VAL:O	D:1:NAG:O	1.197
18	B:112:VAL:O	L:1:NAG:O	1.196

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:445:GLN:NE2	J:1:NAG:N	1.139
18	B:445:GLN:NE2	R:1:NAG:N	1.137
18	B:463:ASN:OD1	P:1:NAG:N	1.087
18	A:463:ASN:OD1	H:1:NAG:N	1.086
18	B:463:ASN:ND2	P:1:NAG:C1	1.064
18	A:463:ASN:ND2	H:1:NAG:C1	1.063
18	B:463:ASN:OD1	P:1:NAG:C2	1.041
18	A:463:ASN:OD1	H:1:NAG:C2	1.040
18	A:463:ASN:HD21	H:1:NAG:C2	1.040
18	B:463:ASN:HD21	P:1:NAG:C2	1.038
18	A:512:GLU:N	I:12:FUC:HO3	1.017
18	B:512:GLU:N	Q:12:FUC:HO3	1.016
18	A:463:ASN:ND2	H:1:NAG:C2	0.971
18	B:463:ASN:ND2	P:1:NAG:C2	0.971
18	A:413:ASN:CG	G:1:NAG:N	0.945
18	A:504:GLN:HB3	H:1:NAG:N	0.933
18	A:112:VAL:C	D:1:NAG:O	0.931
18	B:112:VAL:C	L:1:NAG:O	0.930
18	A:30:LYS:O	C:11:SIA:H31	0.919
18	B:30:LYS:O	K:11:SIA:H31	0.918
18	A:504:GLN:HB3	H:1:NAG:CT	0.903
18	A:463:ASN:CG	H:1:NAG:C2	0.885
18	B:463:ASN:CG	P:1:NAG:C2	0.885

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:504:GLN:HB3	H:1:NAG:C	0.876
18	B:112:VAL:C	L:1:NAG:C	0.837
18	A:501:ASP:OD2	A:502:PHE:HD2	0.837
18	A:112:VAL:C	D:1:NAG:C	0.835
18	B:501:ASP:OD2	B:502:PHE:HD2	0.835
18	A:504:GLN:CB	H:1:NAG:CT	0.795
18	A:504:GLN:CD	H:1:NAG:CT	0.790
18	A:30:LYS:O	C:11:SIA:C3	0.780
18	B:30:LYS:O	K:11:SIA:C3	0.780
18	A:499:ASN:H	A:499:ASN:HD22	0.765
18	B:499:ASN:HD21	B:502:PHE:HB2	0.764
18	A:499:ASN:HD21	A:502:PHE:HB2	0.763
18	B:499:ASN:H	B:499:ASN:HD22	0.762
18	A:501:ASP:OD2	A:502:PHE:CD2	0.756
18	B:501:ASP:OD2	B:502:PHE:CD2	0.754
18	A:114:ASN:ND2	D:1:NAG:C1	0.743
18	B:114:ASN:ND2	L:1:NAG:C1	0.743
18	A:112:VAL:O	D:1:NAG:C	0.732
18	B:112:VAL:O	L:1:NAG:C	0.731
18	A:413:ASN:ND2	G:1:NAG:C2	0.729
18	A:413:ASN:ND2	G:1:NAG:O	0.715
18	A:512:GLU:N	I:12:FUC:O3	0.706
18	B:512:GLU:N	Q:12:FUC:O3	0.705

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	A:463:ASN:OD1	H:1:NAG:C	0.698
18	B:463:ASN:OD1	P:1:NAG:C	0.697
18	A:498:LEU:HB2	A:502:PHE:O	0.691
18	B:498:LEU:HB2	B:502:PHE:O	0.690
18	A:413:ASN:HD21	G:1:NAG:CT	0.689
18	A:277:ASP:OD1	F:11:SIA:H6	0.685
18	B:277:ASP:OD1	N:11:SIA:H6	0.684
18	A:166:ASN:ND2	E:1:NAG:C1	0.677
18	B:166:ASN:ND2	M:1:NAG:C1	0.676
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:504:GLN:C	H:1:NAG:CT	0.647
18	B:28:ARG:CG	B:28:ARG:HH11	0.614
18	A:504:GLN:HA	H:1:NAG:CT	0.613
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	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	A:391:ASN:HB3	A:393:GLN:HG3	0.560

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:391:ASN:HB3	B:393:GLN:HG3	0.560
18	B:498:LEU:HD21	P:1:NAG:C1	0.560
18	A:498:LEU:HD21	H:1:NAG:C1	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:488:THR:HG22	B:491:ARG:NH2	0.548
18	A:488:THR:HG22	A:491:ARG:NH2	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	B:112:VAL:CA	L:1:NAG:O	0.531
18	A:112:VAL:CA	D:1:NAG:O	0.526
18	A:114:ASN:HD21	D:11:SIA:H31	0.510
18	B:114:ASN:HD21	L:11:SIA:H31	0.510
18	A:413:ASN:ND2	G:1:NAG:CT	0.510
18	A:166:ASN:HD22	E:1:NAG:C1	0.508
18	B:166:ASN:HD22	M:1:NAG:C1	0.507
18	A:499:ASN:N	A:499:ASN:HD22	0.499
18	B:499:ASN:N	B:499:ASN:HD22	0.497
18	A:504:GLN:NE2	H:1:NAG:CT	0.492
18	A:504:GLN:HE21	H:1:NAG:C	0.485

Model ID	Atom-1	Atom-2	Clash overlap (Å)
18	B:28:ARG:CG	B:28:ARG:NH1	0.479
18	B:423:ILE:HB	B:424:PRO:HD3	0.479
18	A:28:ARG:CG	A:28:ARG:NH1	0.478
18	A:423:ILE:HB	A:424:PRO:HD3	0.477
18	B:240:ILE:CD1	N:1:NAG:CT	0.477
18	A:240:ILE:CD1	F:1:NAG:CT	0.476
18	A:504:GLN:HB2	H:1:NAG:CT	0.457
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	A:240:ILE:HD13	F:1:NAG:CT	0.447
18	B:240:ILE:HD13	N:1:NAG:CT	0.446
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: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:504:GLN:NE2	H:1:NAG:C	0.433
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
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:114:ASN:CG	D:1:NAG:C1	0.407
18	B:114:ASN:CG	L:1:NAG:C1	0.407
18	A:262:ARG:HH12	A:264:SER:HA	0.401
18	B:262:ARG:HH12	B:264:SER:HA	0.401
19	A:413:ASN:HD21	G:1:NAG:C	1.399
19	A:352:HIS:N	J:5:NAG:H3	1.379
19	B:352:HIS:N	R:5:NAG:H3	1.379
19	B:352:HIS:CA	R:5:NAG:H3	1.361
19	A:352:HIS:CA	J:5:NAG:H3	1.355
19	A:355:THR:HG23	J:6:GAL:O4	1.266
19	B:355:THR:HG23	R:6:GAL:O4	1.263
19	A:460:ASN:C	H:1:NAG:CT	1.260
19	B:460:ASN:C	P:1:NAG:CT	1.260
19	A:341:ASN:OD1	G:11:SIA:H4	1.232
19	B:341:ASN:OD1	O:11:SIA:H4	1.232
19	A:341:ASN:CG	G:11:SIA:H4	1.225
19	B:341:ASN:CG	O:11:SIA:H4	1.225

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:243:ASN:HD21	F:1:NAG:C1	1.220
19	B:243:ASN:HD21	N:1:NAG:C1	1.219
19	A:532:ASN:OD1	J:1:NAG:C1	1.165
19	B:532:ASN:OD1	R:1:NAG:C1	1.163
19	A:341:ASN:OD1	G:11:SIA:C1	1.160
19	B:341:ASN:OD1	O:11:SIA:C1	1.159
19	B:352:HIS:N	R:5:NAG:C3	1.143
19	A:352:HIS:N	J:5:NAG:C3	1.142
19	B:243:ASN:ND2	N:1:NAG:C1	1.134
19	A:243:ASN:ND2	F:1:NAG:C1	1.132
19	B:460:ASN:CA	P:1:NAG:CT	1.119
19	A:460:ASN:CA	H:1:NAG:CT	1.115
19	A:342:PRO:HA	G:11:SIA:C	1.106
19	B:342:PRO:HA	O:11:SIA:C	1.105
19	B:112:VAL:O	L:1:NAG:O	1.092
19	A:112:VAL:O	D:1:NAG:O	1.090
19	A:413:ASN:ND2	G:1:NAG:C	1.089
19	B:341:ASN:OD1	O:11:SIA:C4	1.089
19	A:341:ASN:OD1	G:11:SIA:C4	1.088
19	B:348:GLU:OE2	R:7:SIA:O7	1.069
19	A:348:GLU:OE2	J:7:SIA:O7	1.067
19	A:413:ASN:ND2	G:1:NAG:N	1.057
19	A:352:HIS:CA	J:5:NAG:C3	1.025

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:352:HIS:CA	R:5:NAG:C3	1.025
19	A:355:THR:CG2	J:6:GAL:O4	1.007
19	B:355:THR:CG2	R:6:GAL:O4	1.006
19	A:352:HIS:H	J:5:NAG:C4	0.988
19	B:352:HIS:H	R:5:NAG:C4	0.986
19	A:352:HIS:H	J:5:NAG:C3	0.962
19	A:112:VAL:C	D:1:NAG:C	0.959
19	B:352:HIS:H	R:5:NAG:C3	0.959
19	B:199:PRO:O	M:7:SIA:O	0.957
19	A:199:PRO:O	E:7:SIA:O	0.956
19	A:460:ASN:O	H:1:NAG:C	0.920
19	B:460:ASN:O	P:1:NAG:C	0.920
19	A:460:ASN:CG	H:1:NAG:N	0.913
19	B:460:ASN:CG	P:1:NAG:N	0.908
19	B:341:ASN:OD1	O:11:SIA:C3	0.901
19	A:341:ASN:OD1	G:11:SIA:C3	0.900
19	B:112:VAL:C	L:1:NAG:C	0.891
19	A:112:VAL:C	D:1:NAG:O	0.882
19	B:112:VAL:C	L:1:NAG:O	0.880
19	A:352:HIS:HA	J:5:NAG:H3	0.872
19	B:352:HIS:HA	R:5:NAG:H3	0.870
19	A:460:ASN:C	H:1:NAG:C	0.863
19	B:460:ASN:C	P:1:NAG:C	0.863

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:460:ASN:HA	P:1:NAG:CT	0.858
19	A:460:ASN:HA	H:1:NAG:CT	0.855
19	A:460:ASN:OD1	H:1:NAG:N	0.850
19	B:460:ASN:OD1	P:1:NAG:N	0.849
19	A:341:ASN:OD1	G:11:SIA:C2	0.847
19	B:341:ASN:OD1	O:11:SIA:C2	0.847
19	B:508:LYS:C	Q:1:NAG:CT	0.840
19	A:508:LYS:C	I:1:NAG:CT	0.839
19	A:501:ASP:OD2	A:502:PHE:HD2	0.837
19	B:501:ASP:OD2	B:502:PHE:HD2	0.835
19	B:460:ASN:O	P:1:NAG:O	0.828
19	A:460:ASN:O	H:1:NAG:O	0.827
19	A:348:GLU:CD	J:7:SIA:O7	0.826
19	B:348:GLU:CD	R:7:SIA:O7	0.825
19	B:341:ASN:OD1	O:11:SIA:O12	0.821
19	A:341:ASN:OD1	G:11:SIA:O12	0.820
19	A:413:ASN:ND2	G:1:NAG:C2	0.801
19	A:512:GLU:N	I:12:FUC:O5	0.799
19	B:512:GLU:N	Q:12:FUC:O5	0.799
19	A:355:THR:HG21	J:6:GAL:H2	0.796
19	B:355:THR:HG21	R:6:GAL:H2	0.796
19	A:185:GLN:NE2	D:11:SIA:C1	0.792
19	B:185:GLN:NE2	L:11:SIA:C1	0.791

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:413:ASN:CG	G:1:NAG:C1	0.787
19	A:341:ASN:ND2	G:11:SIA:H6	0.777
19	B:341:ASN:ND2	O:11:SIA:H6	0.776
19	B:352:HIS:N	R:5:NAG:C4	0.773
19	A:352:HIS:N	J:5:NAG:C4	0.771
19	A:532:ASN:CG	J:1:NAG:C1	0.768
19	B:112:VAL:O	L:1:NAG:C	0.768
19	B:532:ASN:CG	R:1:NAG:C1	0.767
19	A:112:VAL:O	D:1:NAG:C	0.766
19	B:114:ASN:ND2	L:1:NAG:C1	0.765
19	A:499:ASN:H	A:499:ASN:HD22	0.765
19	B:499:ASN:HD21	B:502:PHE:HB2	0.764
19	A:114:ASN:ND2	D:1:NAG:C1	0.764
19	B:185:GLN:NE2	L:11:SIA:O11	0.764
19	A:499:ASN:HD21	A:502:PHE:HB2	0.763
19	A:185:GLN:NE2	D:11:SIA:O11	0.763
19	B:499:ASN:H	B:499:ASN:HD22	0.762
19	A:413:ASN:CG	G:1:NAG:N	0.757
19	A:501:ASP:OD2	A:502:PHE:CD2	0.756
19	B:501:ASP:OD2	B:502:PHE:CD2	0.754
19	A:341:ASN:OD1	G:11:SIA:H6	0.754
19	B:341:ASN:OD1	O:11:SIA:H6	0.753
19	A:413:ASN:OD1	G:1:NAG:C1	0.752

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:243:ASN:HD21	F:1:NAG:C2	0.749
19	A:342:PRO:HA	G:11:SIA:CT	0.748
19	B:243:ASN:HD21	N:1:NAG:C2	0.748
19	B:342:PRO:HA	O:11:SIA:CT	0.746
19	A:341:ASN:HD21	G:11:SIA:H6	0.731
19	B:348:GLU:OE2	R:7:SIA:C7	0.729
19	A:348:GLU:OE2	J:7:SIA:C7	0.728
19	B:341:ASN:HD21	O:11:SIA:H6	0.728
19	A:341:ASN:CG	G:11:SIA:H6	0.715
19	B:341:ASN:CG	O:11:SIA:H6	0.714
19	A:185:GLN:CD	D:11:SIA:O12	0.702
19	B:185:GLN:CD	L:11:SIA:O12	0.702
19	A:532:ASN:OD1	J:1:NAG:N	0.699
19	B:532:ASN:OD1	R:1:NAG:N	0.699
19	A:498:LEU:HB2	A:502:PHE:O	0.691
19	B:498:LEU:HB2	B:502:PHE:O	0.690
19	A:355:THR:HG21	J:6:GAL:C2	0.685
19	B:355:THR:HG21	R:6:GAL:C2	0.684
19	A:413:ASN:OD1	G:1:NAG:N	0.681
19	A:530:LYS:NZ	J:2:NAG:O6	0.677
19	A:30:LYS:O	C:1:NAG:N	0.677
19	B:30:LYS:O	K:1:NAG:N	0.677
19	B:530:LYS:NZ	R:2:NAG:O6	0.676

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:499:ASN:N	B:499:ASN:ND2	0.675
19	A:499:ASN:N	A:499:ASN:ND2	0.674
19	A:499:ASN:H	A:499:ASN:ND2	0.671
19	B:499:ASN:H	B:499:ASN:ND2	0.669
19	A:461:SER:N	H:1:NAG:CT	0.658
19	A:116:SER:HB3	D:11:SIA:O	0.653
19	A:348:GLU:CD	J:7:SIA:HO7	0.653
19	B:116:SER:HB3	L:11:SIA:O	0.652
19	B:348:GLU:CD	R:7:SIA:HO7	0.636
19	A:342:PRO:CB	G:11:SIA:CT	0.630
19	B:342:PRO:CB	O:11:SIA:CT	0.630
19	B:342:PRO:HB3	O:11:SIA:CT	0.630
19	A:342:PRO:HB3	G:11:SIA:CT	0.628
19	B:355:THR:CG2	R:6:GAL:H2	0.624
19	A:532:ASN:OD1	J:1:NAG:C2	0.619
19	B:532:ASN:OD1	R:1:NAG:C2	0.619
19	B:28:ARG:CG	B:28:ARG:HH11	0.614
19	A:341:ASN:OD1	G:11:SIA:C6	0.613
19	B:341:ASN:OD1	O:11:SIA:C6	0.613
19	A:28:ARG:CG	A:28:ARG:HH11	0.612
19	A:341:ASN:HB3	A:342:PRO:HD3	0.610
19	B:341:ASN:HB3	B:342:PRO:HD3	0.610
19	B:352:HIS:N	R:5:NAG:O4	0.610

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:352:HIS:N	J:5:NAG:O4	0.607
19	B:342:PRO:CA	O:11:SIA:CT	0.603
19	A:342:PRO:CA	G:11:SIA:CT	0.602
19	A:341:ASN:CG	G:11:SIA:C4	0.600
19	A:355:THR:CG2	J:6:GAL:H2	0.599
19	A:413:ASN:CG	G:1:NAG:C2	0.599
19	A:409:ASN:HD22	A:410:ASN:H	0.592
19	A:447:LEU:HB3	A:448:PRO:HD3	0.591
19	B:409:ASN:HD22	B:410:ASN:H	0.591
19	A:413:ASN:HD21	G:1:NAG:C2	0.570
19	B:511:PHE:CB	Q:2:NAG:O	0.568
19	A:511:PHE:CB	I:2:NAG:O	0.567
19	A:355:THR:HG21	J:6:GAL:C3	0.563
19	B:355:THR:HG21	R:6:GAL:C3	0.563
19	A:185:GLN:NE2	D:11:SIA:O12	0.563
19	B:185:GLN:NE2	L:11:SIA:O12	0.563
19	A:391:ASN:HB3	A:393:GLN:HG3	0.560
19	B:391:ASN:HB3	B:393:GLN:HG3	0.560
19	A:352:HIS:CG	J:5:NAG:N	0.558
19	A:342:PRO:CA	G:11:SIA:C	0.554
19	B:28:ARG:HG2	B:28:ARG:HH11	0.552
19	B:352:HIS:CG	R:5:NAG:N	0.552
19	A:28:ARG:HG2	A:28:ARG:HH11	0.551

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:461:SER:C	H:1:NAG:O	0.551
19	B:342:PRO:CA	O:11:SIA:C	0.549
19	B:488:THR:HG22	B:491:ARG:NH2	0.548
19	A:488:THR:HG22	A:491:ARG:NH2	0.547
19	B:352:HIS:N	R:5:NAG:H5	0.547
19	A:352:HIS:N	J:5:NAG:H5	0.546
19	A:109:LEU:H	A:109:LEU:HD12	0.545
19	B:109:LEU:H	B:109:LEU:HD12	0.545
19	B:105:ARG:HG2	B:203:LEU:HB3	0.540
19	A:342:PRO:HA	G:11:SIA:N	0.539
19	B:342:PRO:HA	O:11:SIA:N	0.539
19	A:433:GLN:OE1	G:1:NAG:CT	0.538
19	B:433:GLN:OE1	O:1:NAG:CT	0.538
19	A:359:THR:HG22	A:393:GLN:HG2	0.536
19	B:359:THR:HG22	B:393:GLN:HG2	0.536
19	A:460:ASN:C	H:1:NAG:O	0.534
19	B:460:ASN:C	P:1:NAG:O	0.534
19	B:341:ASN:CG	O:11:SIA:C4	0.523
19	B:352:HIS:N	R:5:NAG:C5	0.517
19	A:352:HIS:N	J:5:NAG:C5	0.516
19	A:511:PHE:CB	I:2:NAG:C	0.507
19	B:511:PHE:CB	Q:2:NAG:C	0.506
19	A:511:PHE:CB	I:2:NAG:C2	0.504

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:511:PHE:CB	Q:2:NAG:C2	0.503
19	A:499:ASN:N	A:499:ASN:HD22	0.499
19	B:499:ASN:N	B:499:ASN:HD22	0.497
19	B:112:VAL:CA	L:1:NAG:O	0.496
19	B:212:THR:OG1	L:11:SIA:H4	0.495
19	A:355:THR:HG21	J:6:GAL:O3	0.494
19	B:355:THR:HG21	R:6:GAL:O3	0.494
19	B:114:ASN:OD1	L:11:SIA:H31	0.492
19	A:112:VAL:CA	D:1:NAG:O	0.491
19	A:114:ASN:OD1	D:11:SIA:H31	0.491
19	B:28:ARG:CG	B:28:ARG:NH1	0.479
19	B:423:ILE:HB	B:424:PRO:HD3	0.479
19	A:28:ARG:CG	A:28:ARG:NH1	0.478
19	A:399:VAL:HG11	J:3:BMA:O4	0.478
19	A:423:ILE:HB	A:424:PRO:HD3	0.477
19	B:399:VAL:HG11	R:3:BMA:O4	0.476
19	A:491:ARG:O	I:1:NAG:O	0.471
19	B:491:ARG:O	Q:1:NAG:O	0.470
19	A:511:PHE:C	I:12:FUC:C6	0.468
19	B:511:PHE:C	Q:12:FUC:C6	0.467
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

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	A:355:THR:OG1	J:6:GAL:H2	0.451
19	B:355:THR:OG1	R:6:GAL:H2	0.451
19	A:341:ASN:CB	G:11:SIA:H4	0.443
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	B:341:ASN:CB	O:11:SIA:H4	0.440
19	A:33:SER:HB3	A:83:ILE:HD12	0.439
19	A:485:SER:HA	A:486:PRO:C	0.435
19	B:485:SER:HA	B:486:PRO:C	0.435
19	A:386:LYS:HD2	A:397:ILE:HD11	0.433
19	B:386:LYS:HD2	B:397:ILE:HD11	0.431
19	A:527:ASN:HA	A:528:PRO:C	0.427
19	B:527:ASN:HA	B:528:PRO:C	0.427
19	A:532:ASN:ND2	J:1:NAG:C1	0.426
19	B:532:ASN:ND2	R:1:NAG:C1	0.424
19	A:455:GLU:HG3	I:12:FUC:H4	0.423
19	A:378:LEU:HD12	A:417:LEU:HG	0.421
19	B:378:LEU:HD12	B:417:LEU:HG	0.421
19	B:455:GLU:HG3	Q:12:FUC:H4	0.417
19	A:511:PHE:CB	I:1:NAG:O4	0.416
19	A:342:PRO:CA	G:11:SIA:N	0.416
19	B:342:PRO:CA	O:11:SIA:N	0.416

Model ID	Atom-1	Atom-2	Clash overlap (Å)
19	B:511:PHE:CB	Q:1:NAG:O4	0.415
19	A:341:ASN:O	G:11:SIA:N	0.414
19	B:341:ASN:O	O:11:SIA:N	0.414
19	B:231:GLU:HA	B:328:THR:O	0.413
19	A:231:GLU:HA	A:328:THR:O	0.412
19	B:423:ILE:O	B:425:PRO:HD3	0.412
19	A:423:ILE:O	A:425:PRO:HD3	0.411
19	A:262:ARG:HH12	A:264:SER:HA	0.401
19	B:262:ARG:HH12	B:264:SER:HA	0.401
20	A:163:THR:HG22	E:11:SIA:CT	1.546
20	A:498:LEU:CD2	H:1:NAG:H5	1.342
20	B:498:LEU:CD2	P:1:NAG:H5	1.339
20	A:31:ASN:O	C:11:SIA:O4	1.212
20	B:31:ASN:O	K:11:SIA:O4	1.207
20	A:498:LEU:HD23	H:1:NAG:H5	1.206
20	B:463:ASN:CG	P:1:NAG:C1	1.202
20	A:463:ASN:CG	H:1:NAG:C1	1.201
20	B:498:LEU:HD23	P:1:NAG:H5	1.200
20	B:463:ASN:OD1	P:1:NAG:C1	1.173
20	A:463:ASN:OD1	H:1:NAG:C1	1.171
20	A:413:ASN:ND2	G:1:NAG:N	1.126
20	A:163:THR:CG2	E:11:SIA:CT	1.114
20	B:174:VAL:HG11	M:11:SIA:O7	1.073

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:463:ASN:HD21	P:1:NAG:C2	1.072
20	A:174:VAL:HG11	E:11:SIA:O7	1.070
20	A:463:ASN:HD21	H:1:NAG:C2	1.070
20	A:185:GLN:NE2	D:11:SIA:O11	1.069
20	B:185:GLN:NE2	L:11:SIA:O11	1.068
20	A:463:ASN:ND2	H:1:NAG:C2	1.046
20	B:463:ASN:ND2	P:1:NAG:C2	1.044
20	A:163:THR:HG21	E:11:SIA:C5	1.012
20	B:463:ASN:OD1	P:1:NAG:N	1.007
20	A:463:ASN:OD1	H:1:NAG:N	1.004
20	A:532:ASN:OD1	J:1:NAG:C1	0.995
20	B:532:ASN:OD1	R:1:NAG:C1	0.994
20	A:166:ASN:HD22	E:1:NAG:C2	0.980
20	B:166:ASN:HD22	M:1:NAG:C2	0.978
20	B:498:LEU:HD21	P:1:NAG:H5	0.962
20	A:498:LEU:HD21	H:1:NAG:H5	0.959
20	B:498:LEU:CD2	P:1:NAG:C5	0.942
20	A:498:LEU:CD2	H:1:NAG:C5	0.941
20	A:30:LYS:HB3	C:1:NAG:C	0.915
20	B:30:LYS:HB3	K:1:NAG:C	0.914
20	A:166:ASN:HD22	E:1:NAG:C1	0.913
20	B:166:ASN:HD22	M:1:NAG:C1	0.913
20	A:166:ASN:ND2	E:1:NAG:N	0.911

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:166:ASN:ND2	M:1:NAG:N	0.910
20	A:413:ASN:ND2	G:1:NAG:C	0.905
20	A:185:GLN:CD	D:11:SIA:C1	0.904
20	B:185:GLN:CD	L:11:SIA:C1	0.903
20	A:185:GLN:NE2	D:11:SIA:C1	0.895
20	B:185:GLN:NE2	L:11:SIA:C1	0.895
20	A:413:ASN:ND2	G:1:NAG:C1	0.893
20	A:174:VAL:HG12	E:11:SIA:H7	0.890
20	B:174:VAL:HG12	M:11:SIA:H7	0.889
20	A:413:ASN:ND2	G:1:NAG:C2	0.882
20	B:531:SER:O	R:1:NAG:O	0.880
20	B:460:ASN:OD1	P:1:NAG:O3	0.877
20	A:460:ASN:OD1	H:1:NAG:O3	0.875
20	A:413:ASN:HD21	G:1:NAG:C2	0.874
20	A:413:ASN:HD21	G:1:NAG:C	0.861
20	A:185:GLN:CD	D:11:SIA:O12	0.854
20	B:185:GLN:CD	L:11:SIA:O12	0.854
20	A:409:ASN:ND2	G:2:NAG:O6	0.854
20	B:409:ASN:ND2	O:2:NAG:O6	0.852
20	A:243:ASN:HD22	F:1:NAG:C1	0.845
20	B:243:ASN:HD22	N:1:NAG:C1	0.844
20	A:501:ASP:OD2	A:502:PHE:HD2	0.837
20	B:501:ASP:OD2	B:502:PHE:HD2	0.835

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:166:ASN:ND2	M:1:NAG:C1	0.830
20	A:166:ASN:ND2	E:1:NAG:C1	0.829
20	B:409:ASN:ND2	O:2:NAG:C6	0.817
20	A:409:ASN:ND2	G:2:NAG:C6	0.815
20	A:463:ASN:CG	H:1:NAG:N	0.811
20	B:463:ASN:CG	P:1:NAG:N	0.810
20	A:511:PHE:CB	I:12:FUC:O4	0.803
20	B:511:PHE:CB	Q:12:FUC:O4	0.803
20	B:463:ASN:CG	P:1:NAG:C2	0.802
20	B:114:ASN:ND2	L:1:NAG:C1	0.799
20	A:114:ASN:ND2	D:1:NAG:C1	0.798
20	A:463:ASN:ND2	H:1:NAG:N	0.798
20	B:463:ASN:ND2	P:1:NAG:N	0.798
20	A:463:ASN:CG	H:1:NAG:C2	0.797
20	A:409:ASN:HB3	G:1:NAG:O3	0.795
20	B:409:ASN:HB3	O:1:NAG:O3	0.794
20	B:463:ASN:HD21	P:1:NAG:C	0.785
20	A:463:ASN:HD21	H:1:NAG:C	0.783
20	A:163:THR:CG2	E:11:SIA:C5	0.777
20	B:174:VAL:CG1	M:11:SIA:H7	0.765
20	A:499:ASN:H	A:499:ASN:HD22	0.765
20	B:499:ASN:HD21	B:502:PHE:HB2	0.764
20	A:174:VAL:CG1	E:11:SIA:H7	0.763

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:499:ASN:HD21	A:502:PHE:HB2	0.763
20	B:499:ASN:H	B:499:ASN:HD22	0.762
20	A:174:VAL:CG1	E:11:SIA:C7	0.760
20	B:174:VAL:CG1	M:11:SIA:C7	0.760
20	A:501:ASP:OD2	A:502:PHE:CD2	0.756
20	B:501:ASP:OD2	B:502:PHE:CD2	0.754
20	B:409:ASN:CB	O:1:NAG:O3	0.753
20	A:409:ASN:CB	G:1:NAG:O3	0.752
20	B:174:VAL:HG11	M:11:SIA:HO7	0.749
20	A:174:VAL:HG11	E:11:SIA:C7	0.748
20	B:174:VAL:HG11	M:11:SIA:C7	0.748
20	B:30:LYS:HB3	K:1:NAG:O	0.747
20	A:30:LYS:HB3	C:1:NAG:O	0.745
20	B:243:ASN:ND2	N:1:NAG:O5	0.738
20	A:243:ASN:ND2	F:1:NAG:O5	0.737
20	A:498:LEU:HD21	H:1:NAG:H3	0.732
20	B:498:LEU:HD21	P:1:NAG:H3	0.732
20	A:463:ASN:OD1	H:1:NAG:C2	0.732
20	B:463:ASN:OD1	P:1:NAG:C2	0.731
20	A:174:VAL:HG13	E:11:SIA:C	0.728
20	B:174:VAL:HG13	M:11:SIA:C	0.728
20	A:463:ASN:ND2	H:1:NAG:C	0.718
20	B:463:ASN:ND2	P:1:NAG:C	0.718

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:185:GLN:OE1	D:11:SIA:O12	0.714
20	B:185:GLN:OE1	L:11:SIA:O12	0.714
20	B:531:SER:O	R:1:NAG:C	0.709
20	A:409:ASN:CG	G:2:NAG:O6	0.705
20	B:409:ASN:CG	O:2:NAG:O6	0.704
20	A:463:ASN:ND2	H:1:NAG:C1	0.698
20	B:463:ASN:ND2	P:1:NAG:C1	0.698
20	A:498:LEU:HB2	A:502:PHE:O	0.691
20	B:498:LEU:HB2	B:502:PHE:O	0.690
20	B:498:LEU:HD21	P:1:NAG:C1	0.689
20	A:498:LEU:HD21	H:1:NAG:C1	0.688
20	A:185:GLN:CD	D:11:SIA:O11	0.685
20	B:185:GLN:CD	L:11:SIA:O11	0.685
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	A:163:THR:HA	E:12:FUC:O4	0.669
20	B:499:ASN:H	B:499:ASN:ND2	0.669
20	B:511:PHE:CA	Q:12:FUC:O4	0.667
20	A:511:PHE:CA	I:12:FUC:O4	0.666
20	A:413:ASN:CG	G:1:NAG:C1	0.665
20	A:498:LEU:HD21	H:1:NAG:C5	0.647
20	B:498:LEU:HD21	P:1:NAG:C5	0.645

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:185:GLN:OE1	L:11:SIA:C1	0.635
20	A:185:GLN:OE1	D:11:SIA:C1	0.634
20	B:409:ASN:HD21	O:2:NAG:H62	0.622
20	A:409:ASN:HD21	G:2:NAG:H62	0.621
20	A:463:ASN:ND2	H:1:NAG:O	0.617
20	B:463:ASN:ND2	P:1:NAG:O	0.617
20	B:498:LEU:CD2	P:1:NAG:C1	0.616
20	A:498:LEU:CD2	H:1:NAG:C1	0.615
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	B:409:ASN:HD21	O:2:NAG:C6	0.606
20	A:30:LYS:O	C:1:NAG:CT	0.605
20	A:409:ASN:HD21	G:2:NAG:C6	0.605
20	B:30:LYS:O	K:1:NAG:CT	0.604
20	A:498:LEU:HD21	H:1:NAG:C3	0.596
20	B:498:LEU:HD21	P:1:NAG:C3	0.595
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:31:ASN:HA	C:11:SIA:H31	0.586
20	B:31:ASN:HA	K:11:SIA:H31	0.585

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:384:TRP:CH2	R:11:SIA:H91	0.585
20	A:384:TRP:CH2	J:11:SIA:H91	0.584
20	A:384:TRP:HZ2	J:11:SIA:O9	0.583
20	B:384:TRP:HZ2	R:11:SIA:O9	0.583
20	A:502:PHE:CB	H:12:FUC:H3	0.574
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	B:31:ASN:O	K:11:SIA:C4	0.552
20	A:28:ARG:HG2	A:28:ARG:HH11	0.551
20	A:31:ASN:O	C:11:SIA:C4	0.551
20	B:488:THR:HG22	B:491:ARG:NH2	0.548
20	A:384:TRP:CZ2	J:11:SIA:O9	0.547
20	A:488:THR:HG22	A:491:ARG:NH2	0.547
20	B:384:TRP:CZ2	R:11:SIA:O9	0.547
20	A:109:LEU:H	A:109:LEU:HD12	0.545
20	B:109:LEU:H	B:109:LEU:HD12	0.545
20	A:116:SER:HB3	D:11:SIA:O	0.541
20	A:498:LEU:HD23	H:1:NAG:C5	0.541
20	B:116:SER:HB3	L:11:SIA:O	0.541
20	B:105:ARG:HG2	B:203:LEU:HB3	0.540
20	B:112:VAL:HB	L:1:NAG:CT	0.540
20	A:510:LYS:N	I:12:FUC:H3	0.540

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:510:LYS:N	Q:12:FUC:H3	0.540
20	A:112:VAL:HB	D:1:NAG:CT	0.539
20	A:359:THR:HG22	A:393:GLN:HG2	0.536
20	B:359:THR:HG22	B:393:GLN:HG2	0.536
20	B:498:LEU:HD23	P:1:NAG:C5	0.536
20	B:491:ARG:O	Q:1:NAG:C	0.534
20	A:491:ARG:O	I:1:NAG:C	0.533
20	A:174:VAL:HG13	E:11:SIA:CT	0.522
20	B:174:VAL:HG13	M:11:SIA:CT	0.522
20	A:174:VAL:CG1	E:11:SIA:C	0.511
20	B:174:VAL:CG1	M:11:SIA:C	0.511
20	A:166:ASN:ND2	E:1:NAG:C	0.504
20	B:166:ASN:ND2	M:1:NAG:C	0.503
20	B:112:VAL:CB	L:1:NAG:CT	0.502
20	A:112:VAL:CB	D:1:NAG:CT	0.501
20	A:499:ASN:N	A:499:ASN:HD22	0.499
20	A:243:ASN:ND2	F:1:NAG:C1	0.498
20	A:163:THR:CA	E:12:FUC:O4	0.498
20	B:499:ASN:N	B:499:ASN:HD22	0.497
20	B:460:ASN:OD1	P:1:NAG:C3	0.496
20	B:212:THR:OG1	L:11:SIA:N	0.495
20	B:243:ASN:ND2	N:1:NAG:C1	0.494
20	A:460:ASN:OD1	H:1:NAG:C3	0.494

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:502:PHE:CB	P:12:FUC:H3	0.488
20	A:30:LYS:O	C:1:NAG:C	0.485
20	B:30:LYS:O	K:1:NAG:C	0.485
20	B:511:PHE:HA	Q:12:FUC:O4	0.483
20	A:511:PHE:HA	I:12:FUC:O4	0.482
20	B:28:ARG:CG	B:28:ARG:NH1	0.479
20	B:423:ILE:HB	B:424:PRO:HD3	0.479
20	E:10:GAL:H4	E:11:SIA:C1	0.479
20	M:10:GAL:H4	M:11:SIA:C1	0.479
20	A:28:ARG:CG	A:28:ARG:NH1	0.478
20	B:30:LYS:CB	K:1:NAG:C	0.478
20	A:423:ILE:HB	A:424:PRO:HD3	0.477
20	A:30:LYS:CB	C:1:NAG:C	0.473
20	A:384:TRP:CZ2	J:11:SIA:C9	0.463
20	B:384:TRP:CZ2	R:11:SIA:C9	0.463
20	A:511:PHE:O	I:12:FUC:O2	0.460
20	B:511:PHE:O	Q:12:FUC:O2	0.460
20	A:384:TRP:CH2	J:11:SIA:C9	0.459
20	B:384:TRP:CH2	R:11:SIA:C9	0.458
20	A:528:PRO:HA	A:529:PRO:HD3	0.457
20	A:163:THR:HA	E:12:FUC:H2	0.455
20	B:528:PRO:HA	B:529:PRO:HD3	0.454
20	A:77:ARG:HH21	A:91:PRO:HB2	0.451

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	A:30:LYS:O	C:1:NAG:N	0.445
20	B:510:LYS:H	Q:12:FUC:H3	0.444
20	B:30:LYS:O	K:1:NAG:N	0.444
20	A:413:ASN:HD21	G:1:NAG:C1	0.443
20	A:510:LYS:H	I:12:FUC:H3	0.442
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	B:185:GLN:OE1	L:11:SIA:O11	0.440
20	A:33:SER:HB3	A:83:ILE:HD12	0.439
20	A:185:GLN:OE1	D:11:SIA:O11	0.438
20	A:460:ASN:C	H:1:NAG:CT	0.436
20	B:460:ASN:C	P:1:NAG:CT	0.436
20	A:485:SER:HA	A:486:PRO:C	0.435
20	B:485:SER:HA	B:486:PRO:C	0.435
20	A:502:PHE:HB2	H:12:FUC:H3	0.435
20	B:30:LYS:CB	K:1:NAG:O	0.434
20	A:386:LYS:HD2	A:397:ILE:HD11	0.433
20	A:30:LYS:CB	C:1:NAG:O	0.432
20	B:386:LYS:HD2	B:397:ILE:HD11	0.431
20	B:502:PHE:HB2	P:12:FUC:H3	0.431
20	A:532:ASN:CG	J:1:NAG:C1	0.430
20	A:510:LYS:N	I:12:FUC:C3	0.430

Model ID	Atom-1	Atom-2	Clash overlap (Å)
20	B:510:LYS:N	Q:12:FUC:C3	0.429
20	A:163:THR:C	E:12:FUC:O2	0.428
20	A:527:ASN:HA	A:528:PRO:C	0.427
20	B:527:ASN:HA	B:528:PRO:C	0.427
20	B:532:ASN:CG	R:1:NAG:C1	0.427
20	B:31:ASN:C	K:11:SIA:O4	0.427
20	A:31:ASN:C	C:11:SIA:O4	0.423
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:245:THR:HB	N:1:NAG:CT	0.412
20	B:423:ILE:O	B:425:PRO:HD3	0.412
20	A:245:THR:HB	F:1:NAG:CT	0.411
20	A:423:ILE:O	A:425:PRO:HD3	0.411
20	A:384:TRP:CZ2	J:11:SIA:H91	0.407
20	B:384:TRP:CZ2	R:11:SIA:H91	0.407
20	A:409:ASN:HB2	G:1:NAG:O3	0.404
20	A:262:ARG:HH12	A:264:SER:HA	0.401
20	B:262:ARG:HH12	B:264:SER:HA	0.401
20	B:409:ASN:HB2	O:1:NAG:O3	0.401
20	A:532:ASN:OD1	J:1:NAG:N	0.400

Torsion angles: Protein backbone

In the following table, Ramachandran outliers are listed. The Analysed column shows the number of residues for

which the backbone conformation was analysed.

Model ID	Analyzed	Favored	Allowed	Outliers
1	1074	982	86	6
2	1074	982	86	6
3	1074	982	86	6
4	1074	982	86	6
5	1074	982	86	6
6	1074	982	86	6
7	1074	982	86	6
8	1074	982	86	6
9	1074	982	86	6
10	1074	982	86	6
11	1074	982	86	6
12	1074	982	86	6
13	1074	982	86	6
14	1074	982	86	6
15	1074	982	86	6
16	1074	982	86	6
17	1074	982	86	6
18	1074	982	86	6
19	1074	982	86	6
20	1074	982	86	6

Detailed list of outliers are tabulated below.

Torsion angles: Protein sidechains ?

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

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

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

Model ID	Chain	Residue ID	Residue type
1	A	325	VAL
1	A	338	PHE
1	A	348	GLU
1	A	373	ILE
1	A	403	GLU
1	A	409	ASN
1	A	465	THR
1	A	482	LEU
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

Model ID	Chain	Residue ID	Residue type
1	B	131	THR
1	B	145	LEU
1	B	180	ARG
1	B	208	THR
1	B	227	THR
1	B	234	GLU
1	B	237	VAL
1	B	269	THR
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

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

Model ID	Chain	Residue ID	Residue type
2	A	301	LEU
2	A	325	VAL
2	A	338	PHE
2	A	348	GLU
2	A	373	ILE
2	A	403	GLU
2	A	409	ASN
2	A	465	THR
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

Model ID	Chain	Residue ID	Residue type
2	B	98	VAL
2	B	131	THR
2	B	145	LEU
2	B	180	ARG
2	B	208	THR
2	B	227	THR
2	B	234	GLU
2	B	237	VAL
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

Model ID	Chain	Residue ID	Residue type
2	B	515	ILE
3	A	4	ILE
3	A	22	VAL
3	A	24	ILE
3	A	28	ARG
3	A	31	ASN
3	A	38	VAL
3	A	60	LEU
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

Model ID	Chain	Residue ID	Residue type
3	A	291	ILE
3	A	301	LEU
3	A	325	VAL
3	A	338	PHE
3	A	348	GLU
3	A	373	ILE
3	A	403	GLU
3	A	409	ASN
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

Model ID	Chain	Residue ID	Residue type
3	B	94	ILE
3	B	98	VAL
3	B	131	THR
3	B	145	LEU
3	B	180	ARG
3	B	208	THR
3	B	227	THR
3	B	234	GLU
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

Model ID	Chain	Residue ID	Residue type
3	B	507	LEU
3	B	515	ILE
4	A	4	ILE
4	A	22	VAL
4	A	24	ILE
4	A	28	ARG
4	A	31	ASN
4	A	38	VAL
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

Model ID	Chain	Residue ID	Residue type
4	A	286	THR
4	A	291	ILE
4	A	301	LEU
4	A	325	VAL
4	A	338	PHE
4	A	348	GLU
4	A	373	ILE
4	A	403	GLU
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

Model ID	Chain	Residue ID	Residue type
4	B	83	ILE
4	B	94	ILE
4	B	98	VAL
4	B	131	THR
4	B	145	LEU
4	B	180	ARG
4	B	208	THR
4	B	227	THR
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

Model ID	Chain	Residue ID	Residue type
4	B	499	ASN
4	B	507	LEU
4	B	515	ILE
5	A	4	ILE
5	A	22	VAL
5	A	24	ILE
5	A	28	ARG
5	A	31	ASN
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

Model ID	Chain	Residue ID	Residue type
5	A	271	ARG
5	A	286	THR
5	A	291	ILE
5	A	301	LEU
5	A	325	VAL
5	A	338	PHE
5	A	348	GLU
5	A	373	ILE
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

Model ID	Chain	Residue ID	Residue type
5	B	81	VAL
5	B	83	ILE
5	B	94	ILE
5	B	98	VAL
5	B	131	THR
5	B	145	LEU
5	B	180	ARG
5	B	208	THR
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

Model ID	Chain	Residue ID	Residue type
5	B	482	LEU
5	B	499	ASN
5	B	507	LEU
5	B	515	ILE
6	A	4	ILE
6	A	22	VAL
6	A	24	ILE
6	A	28	ARG
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

Model ID	Chain	Residue ID	Residue type
6	A	269	THR
6	A	271	ARG
6	A	286	THR
6	A	291	ILE
6	A	301	LEU
6	A	325	VAL
6	A	338	PHE
6	A	348	GLU
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

Model ID	Chain	Residue ID	Residue type
6	B	62	VAL
6	B	81	VAL
6	B	83	ILE
6	B	94	ILE
6	B	98	VAL
6	B	131	THR
6	B	145	LEU
6	B	180	ARG
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

Model ID	Chain	Residue ID	Residue type
6	B	465	THR
6	B	482	LEU
6	B	499	ASN
6	B	507	LEU
6	B	515	ILE
7	A	4	ILE
7	A	22	VAL
7	A	24	ILE
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

Model ID	Chain	Residue ID	Residue type
7	A	237	VAL
7	A	269	THR
7	A	271	ARG
7	A	286	THR
7	A	291	ILE
7	A	301	LEU
7	A	325	VAL
7	A	338	PHE
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

Model ID	Chain	Residue ID	Residue type
7	B	60	LEU
7	B	62	VAL
7	B	81	VAL
7	B	83	ILE
7	B	94	ILE
7	B	98	VAL
7	B	131	THR
7	B	145	LEU
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

Model ID	Chain	Residue ID	Residue type
7	B	409	ASN
7	B	465	THR
7	B	482	LEU
7	B	499	ASN
7	B	507	LEU
7	B	515	ILE
8	A	4	ILE
8	A	22	VAL
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

Model ID	Chain	Residue ID	Residue type
8	A	234	GLU
8	A	237	VAL
8	A	269	THR
8	A	271	ARG
8	A	286	THR
8	A	291	ILE
8	A	301	LEU
8	A	325	VAL
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

Model ID	Chain	Residue ID	Residue type
8	B	38	VAL
8	B	60	LEU
8	B	62	VAL
8	B	81	VAL
8	B	83	ILE
8	B	94	ILE
8	B	98	VAL
8	B	131	THR
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

Model ID	Chain	Residue ID	Residue type
8	B	403	GLU
8	B	409	ASN
8	B	465	THR
8	B	482	LEU
8	B	499	ASN
8	B	507	LEU
8	B	515	ILE
9	A	4	ILE
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

Model ID	Chain	Residue ID	Residue type
9	A	227	THR
9	A	234	GLU
9	A	237	VAL
9	A	269	THR
9	A	271	ARG
9	A	286	THR
9	A	291	ILE
9	A	301	LEU
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

Model ID	Chain	Residue ID	Residue type
9	B	31	ASN
9	B	38	VAL
9	B	60	LEU
9	B	62	VAL
9	B	81	VAL
9	B	83	ILE
9	B	94	ILE
9	B	98	VAL
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

Model ID	Chain	Residue ID	Residue type
9	B	373	ILE
9	B	403	GLU
9	B	409	ASN
9	B	465	THR
9	B	482	LEU
9	B	499	ASN
9	B	507	LEU
9	B	515	ILE
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

Model ID	Chain	Residue ID	Residue type
10	A	208	THR
10	A	227	THR
10	A	234	GLU
10	A	237	VAL
10	A	269	THR
10	A	271	ARG
10	A	286	THR
10	A	291	ILE
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

Model ID	Chain	Residue ID	Residue type
10	B	28	ARG
10	B	31	ASN
10	B	38	VAL
10	B	60	LEU
10	B	62	VAL
10	B	81	VAL
10	B	83	ILE
10	B	94	ILE
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

Model ID	Chain	Residue ID	Residue type
10	B	348	GLU
10	B	373	ILE
10	B	403	GLU
10	B	409	ASN
10	B	465	THR
10	B	482	LEU
10	B	499	ASN
10	B	507	LEU
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

Model ID	Chain	Residue ID	Residue type
11	A	180	ARG
11	A	208	THR
11	A	227	THR
11	A	234	GLU
11	A	237	VAL
11	A	269	THR
11	A	271	ARG
11	A	286	THR
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

Model ID	Chain	Residue ID	Residue type
11	B	24	ILE
11	B	28	ARG
11	B	31	ASN
11	B	38	VAL
11	B	60	LEU
11	B	62	VAL
11	B	81	VAL
11	B	83	ILE
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

Model ID	Chain	Residue ID	Residue type
11	B	338	PHE
11	B	348	GLU
11	B	373	ILE
11	B	403	GLU
11	B	409	ASN
11	B	465	THR
11	B	482	LEU
11	B	499	ASN
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

Model ID	Chain	Residue ID	Residue type
12	A	145	LEU
12	A	180	ARG
12	A	208	THR
12	A	227	THR
12	A	234	GLU
12	A	237	VAL
12	A	269	THR
12	A	271	ARG
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

Model ID	Chain	Residue ID	Residue type
12	B	22	VAL
12	B	24	ILE
12	B	28	ARG
12	B	31	ASN
12	B	38	VAL
12	B	60	LEU
12	B	62	VAL
12	B	81	VAL
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

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

Model ID	Chain	Residue ID	Residue type
13	A	131	THR
13	A	145	LEU
13	A	180	ARG
13	A	208	THR
13	A	227	THR
13	A	234	GLU
13	A	237	VAL
13	A	269	THR
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

Model ID	Chain	Residue ID	Residue type
13	B	4	ILE
13	B	22	VAL
13	B	24	ILE
13	B	28	ARG
13	B	31	ASN
13	B	38	VAL
13	B	60	LEU
13	B	62	VAL
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

Model ID	Chain	Residue ID	Residue type
13	B	301	LEU
13	B	325	VAL
13	B	338	PHE
13	B	348	GLU
13	B	373	ILE
13	B	403	GLU
13	B	409	ASN
13	B	465	THR
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

Model ID	Chain	Residue ID	Residue type
14	A	98	VAL
14	A	131	THR
14	A	145	LEU
14	A	180	ARG
14	A	208	THR
14	A	227	THR
14	A	234	GLU
14	A	237	VAL
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

Model ID	Chain	Residue ID	Residue type
14	A	515	ILE
14	B	4	ILE
14	B	22	VAL
14	B	24	ILE
14	B	28	ARG
14	B	31	ASN
14	B	38	VAL
14	B	60	LEU
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

Model ID	Chain	Residue ID	Residue type
14	B	291	ILE
14	B	301	LEU
14	B	325	VAL
14	B	338	PHE
14	B	348	GLU
14	B	373	ILE
14	B	403	GLU
14	B	409	ASN
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

Model ID	Chain	Residue ID	Residue type
15	A	94	ILE
15	A	98	VAL
15	A	131	THR
15	A	145	LEU
15	A	180	ARG
15	A	208	THR
15	A	227	THR
15	A	234	GLU
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

Model ID	Chain	Residue ID	Residue type
15	A	507	LEU
15	A	515	ILE
15	B	4	ILE
15	B	22	VAL
15	B	24	ILE
15	B	28	ARG
15	B	31	ASN
15	B	38	VAL
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

Model ID	Chain	Residue ID	Residue type
15	B	286	THR
15	B	291	ILE
15	B	301	LEU
15	B	325	VAL
15	B	338	PHE
15	B	348	GLU
15	B	373	ILE
15	B	403	GLU
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

Model ID	Chain	Residue ID	Residue type
16	A	83	ILE
16	A	94	ILE
16	A	98	VAL
16	A	131	THR
16	A	145	LEU
16	A	180	ARG
16	A	208	THR
16	A	227	THR
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

Model ID	Chain	Residue ID	Residue type
16	A	499	ASN
16	A	507	LEU
16	A	515	ILE
16	B	4	ILE
16	B	22	VAL
16	B	24	ILE
16	B	28	ARG
16	B	31	ASN
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

Model ID	Chain	Residue ID	Residue type
16	B	271	ARG
16	B	286	THR
16	B	291	ILE
16	B	301	LEU
16	B	325	VAL
16	B	338	PHE
16	B	348	GLU
16	B	373	ILE
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

Model ID	Chain	Residue ID	Residue type
17	A	81	VAL
17	A	83	ILE
17	A	94	ILE
17	A	98	VAL
17	A	131	THR
17	A	145	LEU
17	A	180	ARG
17	A	208	THR
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

Model ID	Chain	Residue ID	Residue type
17	A	482	LEU
17	A	499	ASN
17	A	507	LEU
17	A	515	ILE
17	B	4	ILE
17	B	22	VAL
17	B	24	ILE
17	B	28	ARG
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

Model ID	Chain	Residue ID	Residue type
17	B	269	THR
17	B	271	ARG
17	B	286	THR
17	B	291	ILE
17	B	301	LEU
17	B	325	VAL
17	B	338	PHE
17	B	348	GLU
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

Model ID	Chain	Residue ID	Residue type
18	A	62	VAL
18	A	81	VAL
18	A	83	ILE
18	A	94	ILE
18	A	98	VAL
18	A	131	THR
18	A	145	LEU
18	A	180	ARG
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

Model ID	Chain	Residue ID	Residue type
18	A	465	THR
18	A	482	LEU
18	A	499	ASN
18	A	507	LEU
18	A	515	ILE
18	B	4	ILE
18	B	22	VAL
18	B	24	ILE
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

Model ID	Chain	Residue ID	Residue type
18	B	237	VAL
18	B	269	THR
18	B	271	ARG
18	B	286	THR
18	B	291	ILE
18	B	301	LEU
18	B	325	VAL
18	B	338	PHE
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

Model ID	Chain	Residue ID	Residue type
19	A	60	LEU
19	A	62	VAL
19	A	81	VAL
19	A	83	ILE
19	A	94	ILE
19	A	98	VAL
19	A	131	THR
19	A	145	LEU
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

Model ID	Chain	Residue ID	Residue type
19	A	409	ASN
19	A	465	THR
19	A	482	LEU
19	A	499	ASN
19	A	507	LEU
19	A	515	ILE
19	B	4	ILE
19	B	22	VAL
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

Model ID	Chain	Residue ID	Residue type
19	B	234	GLU
19	B	237	VAL
19	B	269	THR
19	B	271	ARG
19	B	286	THR
19	B	291	ILE
19	B	301	LEU
19	B	325	VAL
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

Model ID	Chain	Residue ID	Residue type
20	A	38	VAL
20	A	60	LEU
20	A	62	VAL
20	A	81	VAL
20	A	83	ILE
20	A	94	ILE
20	A	98	VAL
20	A	131	THR
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

Model ID	Chain	Residue ID	Residue type
20	A	403	GLU
20	A	409	ASN
20	A	465	THR
20	A	482	LEU
20	A	499	ASN
20	A	507	LEU
20	A	515	ILE
20	B	4	ILE
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

Model ID	Chain	Residue ID	Residue type
20	B	227	THR
20	B	234	GLU
20	B	237	VAL
20	B	269	THR
20	B	271	ARG
20	B	286	THR
20	B	291	ILE
20	B	301	LEU
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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