

-- Generated by Oracle SQL Developer Data Modeler 4.1.3.901
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-- type: DB2/UDB 9

CREATE

TABLE Adjacent_Stackings

(
Molecule VARCHAR (10) NOT NULL ,
Residue1 VARCHAR (10) NOT NULL ,
Residue2 VARCHAR (10) NOT NULL ,
Descriptions VARCHAR (50)
);

ALTER TABLE Adjacent_Stackings ADD CONSTRAINT AS_PK PRIMARY KEY (Molecule,
Residue1, Residue2) ;

CREATE

TABLE Base_Pairs

(
Molecule VARCHAR (10) NOT NULL ,
"Program" VARCHAR (11) NOT NULL ,
Residue1 VARCHAR (10) NOT NULL ,
Residue2 VARCHAR (10) NOT NULL ,
"N-Type" VARCHAR (2) NOT NULL ,
Weight DECIMAL (9,10) ,
Description VARCHAR (20) ,
Full_description VARCHAR (50) ,
"Edge-to-edge_interactions" VARCHAR (10) ,
Glycosidic_bond_orientation VARCHAR (10) ,
Annotation VARCHAR (10) ,
Local_strand_orientation VARCHAR (20) ,
OTHERS VARCHAR (50)
);

ALTER TABLE Base_Pairs ADD CONSTRAINT BP_PK PRIMARY KEY (Molecule, "Program",
Residue1, Residue2) ;

CREATE

TABLE "Non-Adjacent_Stackings"

(
Molecule VARCHAR (10) NOT NULL ,
Residue1 VARCHAR (10) NOT NULL ,
Residue2 VARCHAR (10) NOT NULL ,
Description VARCHAR (50)
);

ALTER TABLE "Non-Adjacent_Stackings" ADD CONSTRAINT NAS_PK PRIMARY KEY (
Molecule, Residue1, Residue2) ;

```

CREATE
TABLE Residue_Conformations
(
Molecule VARCHAR (10) NOT NULL ,
Residue VARCHAR (10) NOT NULL ,
Description VARCHAR (50)
);
ALTER TABLE Residue_Conformations ADD CONSTRAINT RC_PK PRIMARY KEY (Molecule,
Residue) ;

```

```

CREATE
TABLE Statitics_of_Stackings
(
Molecule VARCHAR (10) NOT NULL ,
Nr_of_stackings INTEGER NOT NULL ,
Nr_of_adjacent_stackings INTEGER NOT NULL ,
"Nr_of_non-adjacent_stackings" INTEGER NOT NULL
);
ALTER TABLE Statitics_of_Stackings ADD CONSTRAINT SOS_PK PRIMARY KEY (Molecule
);

```

```

CREATE
TABLE Statistics_of_Base_Pairs
(
Molecule VARCHAR (10) NOT NULL ,
Total INTEGER NOT NULL ,
WW_cis INTEGER NOT NULL ,
WW_tran INTEGER NOT NULL ,
HH_cis INTEGER NOT NULL ,
HH_tran INTEGER NOT NULL ,
SS_cis INTEGER NOT NULL ,
SS_tran INTEGER NOT NULL ,
WH_cis INTEGER NOT NULL ,
WH_tran INTEGER NOT NULL ,
WS_cis INTEGER NOT NULL ,
WS_tran INTEGER NOT NULL
);
ALTER TABLE Statistics_of_Base_Pairs ADD CONSTRAINT SOBP_PK PRIMARY KEY (
Molecule) ;

```

```

CREATE
TABLE Summary_of_higher_multiplets
(
Molecule VARCHAR (10) NOT NULL ,
Residue1 VARCHAR (10) NOT NULL ,
Residue2 VARCHAR (10) NOT NULL ,
Residue3 VARCHAR (10) NOT NULL ,
OTHERS VARCHAR (20) NOT NULL

```

```
);  
ALTER TABLE Summary_of_higher_multiplets ADD CONSTRAINT SOHM_PK PRIMARY KEY (  
Molecule, Residue1, Residue2, Residue3);
```

```
ALTER TABLE Adjacent_Stackings ADD CONSTRAINT AS_FK FOREIGN KEY ( Molecule )  
REFERENCES Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

```
ALTER TABLE Base_Pairs ADD CONSTRAINT BP_FK FOREIGN KEY ( Molecule ) REFERENCES  
Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

```
ALTER TABLE "Non-Adjacent_Stackings" ADD CONSTRAINT NAS_FK FOREIGN KEY (  
Molecule ) REFERENCES Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

```
ALTER TABLE Residue_Conformations ADD CONSTRAINT RC_FK FOREIGN KEY ( Molecule )  
REFERENCES Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

```
ALTER TABLE Summary_of_higher_multiplets ADD CONSTRAINT SOHM_FK FOREIGN KEY (  
Molecule ) REFERENCES Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

```
ALTER TABLE Statitics_of_Stackings ADD CONSTRAINT SOS_FK FOREIGN KEY (  
Molecule ) REFERENCES Statistics_of_Base_Pairs ( Molecule ) ON  
DELETE  
NO ACTION ON  
UPDATE  
NO ACTION ENFORCED ENABLE QUERY OPTIMIZATION ;
```

-- Oracle SQL Developer Data Modeler Summary Report:

--

-- CREATE TABLE 7

-- CREATE INDEX 0

-- ALTER TABLE	13	
-- CREATE VIEW	0	
-- ALTER VIEW	0	
-- CREATE PACKAGE	0	
-- CREATE PACKAGE BODY	0	0
-- CREATE PROCEDURE	0	
-- CREATE FUNCTION	0	
-- CREATE TRIGGER	0	
-- ALTER TRIGGER	0	
-- CREATE STRUCTURED TYPE		0
-- CREATE ALIAS	0	
-- CREATE BUFFERPOOL	0	
-- CREATE DATABASE	0	
-- CREATE DISTINCT TYPE	0	
-- CREATE INSTANCE	0	
-- CREATE DATABASE PARTITION GROUP		0
-- CREATE SCHEMA	0	
-- CREATE SEQUENCE	0	
-- CREATE TABLESPACE	0	
--		
-- DROP TABLESPACE	0	
-- DROP DATABASE	0	
--		
-- ERRORS	0	
-- WARNINGS	0	