

-- Generated by Oracle SQL Developer Data Modeler 4.1.3.901
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-- type: SQL Server 2012

```
CREATE
TABLE Adjacent_Stackings
(
  Molecule  VARCHAR (10) NOT NULL ,
  Residue1   VARCHAR (10) NOT NULL ,
  Residue2   VARCHAR (10) NOT NULL ,
  Descriptions VARCHAR (50)
)
ON "default"
GO
ALTER TABLE Adjacent_Stackings ADD CONSTRAINT AS_PK PRIMARY KEY CLUSTERED (
Molecule, Residue1, Residue2)
WITH
(
  ALLOW_PAGE_LOCKS = ON ,
  ALLOW_ROW_LOCKS = ON
)
ON "default"
GO
```

```
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)
)
ON "default"
GO
ALTER TABLE Base_Pairs ADD CONSTRAINT BP_PK PRIMARY KEY CLUSTERED (Molecule,
Program, Residue1, Residue2)
WITH
(
  ALLOW_PAGE_LOCKS = ON ,
```

```

    ALLOW_ROW_LOCKS = ON
)
ON "default"
GO

```

```

CREATE
TABLE "Non-Adjacent_Stackings"
(
    Molecule VARCHAR (10) NOT NULL ,
    Residue1 VARCHAR (10) NOT NULL ,
    Residue2 VARCHAR (10) NOT NULL ,
    Description VARCHAR (50)
)
ON "default"
GO
ALTER TABLE "Non-Adjacent_Stackings" ADD CONSTRAINT NAS_PK PRIMARY KEY
CLUSTERED (Molecule, Residue1, Residue2)
WITH
(
    ALLOW_PAGE_LOCKS = ON ,
    ALLOW_ROW_LOCKS = ON
)
ON "default"
GO

```

```

CREATE
TABLE Residue_Conformations
(
    Molecule VARCHAR (10) NOT NULL ,
    Residue VARCHAR (10) NOT NULL ,
    Description VARCHAR (50)
)
ON "default"
GO
ALTER TABLE Residue_Conformations ADD CONSTRAINT RC_PK PRIMARY KEY CLUSTERED (
Molecule, Residue)
WITH
(
    ALLOW_PAGE_LOCKS = ON ,
    ALLOW_ROW_LOCKS = ON
)
ON "default"
GO

```

```

CREATE
TABLE Statictics_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
)

```

```

    ON "default"
GO
ALTER TABLE Statistics_of_Stackings ADD CONSTRAINT SOS_PK PRIMARY KEY CLUSTERED
(Molecule)
WITH
(
    ALLOW_PAGE_LOCKS = ON ,
    ALLOW_ROW_LOCKS = ON
)
    ON "default"
GO

```

```

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
)
    ON "default"
GO
ALTER TABLE Statistics_of_Base_Pairs ADD CONSTRAINT SOBP_PK PRIMARY KEY
CLUSTERED (Molecule)
WITH
(
    ALLOW_PAGE_LOCKS = ON ,
    ALLOW_ROW_LOCKS = ON
)
    ON "default"
GO

```

```

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
)
    ON "default"
GO
ALTER TABLE Summary_of_higher_multiplets ADD CONSTRAINT SOHM_PK PRIMARY KEY

```

```
CLUSTERED (Molecule, Residue1, Residue2, Residue3)
WITH
(
    ALLOW_PAGE_LOCKS = ON ,
    ALLOW_ROW_LOCKS = ON
)
ON "default"
GO
```

```
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
GO
```

```
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
GO
```

```
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
```

GO

```
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
GO
```

```
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
GO
```

```
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
GO
```

-- 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 DATABASE	0	
-- CREATE DEFAULT	0	
-- CREATE INDEX ON VIEW	0	
-- CREATE ROLLBACK SEGMENT	0	0
-- CREATE ROLE	0	
-- CREATE RULE	0	
-- CREATE SCHEMA	0	
-- CREATE SEQUENCE	0	
-- CREATE PARTITION FUNCTION	0	0
-- CREATE PARTITION SCHEME	0	0
--		
-- DROP DATABASE	0	
--		
-- ERRORS	0	
-- WARNINGS	0	