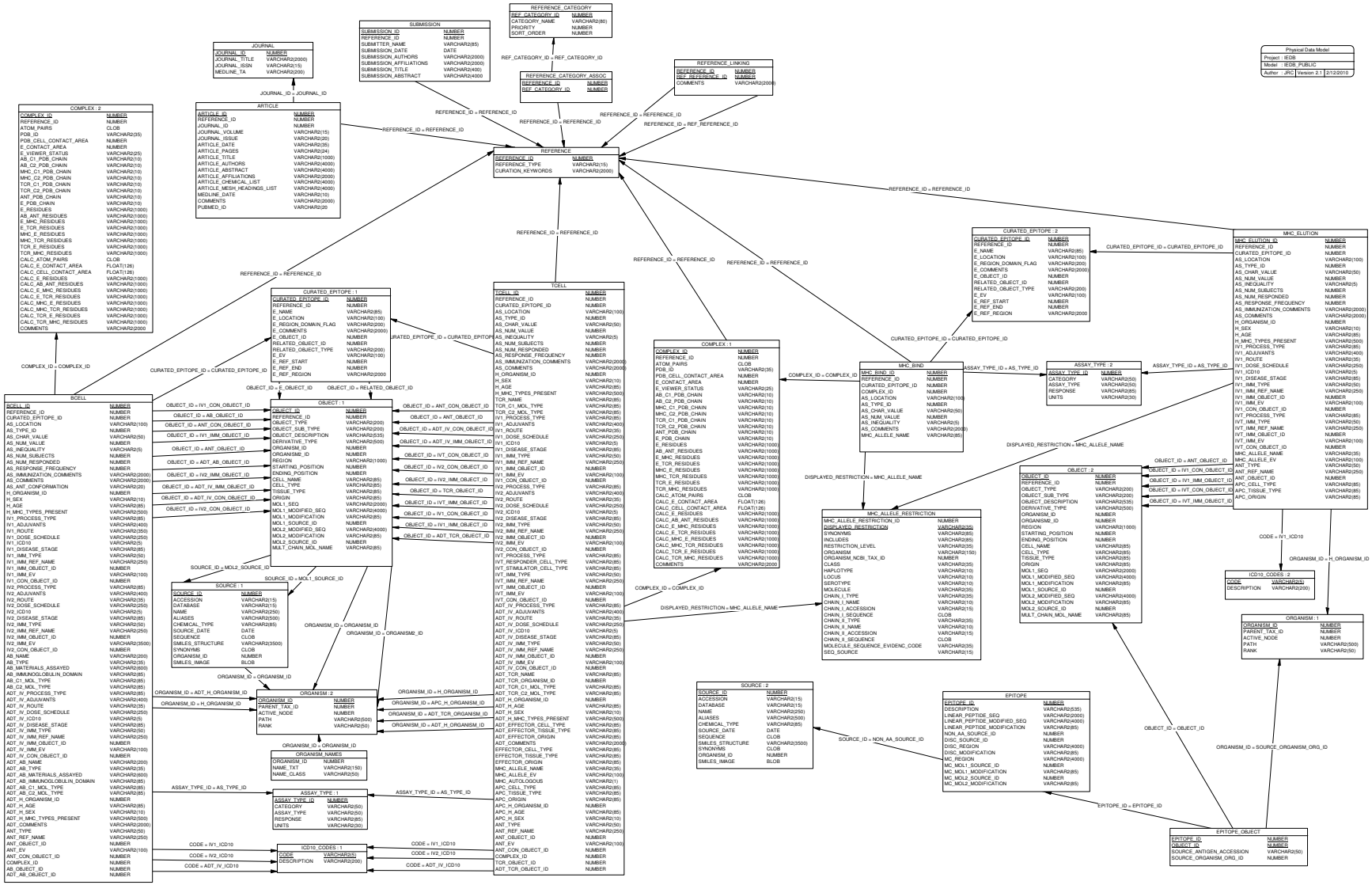
REFERENCE_CATEGORY
REF_CATEGORY_ID NUMBER
CATEGORY_NAME VARCHAR2(80)
PRIORITY NUMBER
SORT_ORDER NUMBER
REF_CATEGORY_ID = REF_CATEGORY_ID
SUBMISSION
SUBMISSION_ID NUMBER
REFERENCE_ID NUMBER
SUBMITTER_NAME VARCHAR2(85)
SUBMISSION_DATE DATE
SUBMISSION_AUTHORS VARCHAR2(2000)
SUBMISSION_AFFILIATIONS VARCHAR2(2000)
SUBMISSION_TITLE VARCHAR2(400)
SUBMISSION_ABSTRACT VARCHAR2(4000)
REFERENCE_CATEGORY_ASSOC
REFERENCE_ID NUMBER
REF_CATEGORY_ID NUMBER
REFERENCE_LINKING
REFERENCE_ID NUMBER
REF_REFERENCE_ID NUMBER
COMMENTS VARCHAR2(2000)
JOURNAL
JOURNAL_ID NUMBER
JOURNAL_TITLE VARCHAR2(2000)
JOURNAL_ISSN VARCHAR2(15)
MEDLINE_TA VARCHAR2(200)
JOURNAL_ID = JOURNAL_ID
ARTICLE
ARTICLE_ID NUMBER
REFERENCE_ID NUMBER
JOURNAL_ID NUMBER
JOURNAL_VOLUME VARCHAR2(15)
JOURNAL_ISSUE VARCHAR2(20)
ARTICLE_DATE VARCHAR2(35)
ARTICLE_PAGES VARCHAR2(24)
ARTICLE_TITLE VARCHAR2(1000)
ARTICLE_AUTHORS VARCHAR2(4000)
ARTICLE_ABSTRACT VARCHAR2(4000)
ARTICLE_AFFILIATIONS VARCHAR2(2000)
ARTICLE_CHEMICAL_LIST VARCHAR2(4000)
ARTICLE_MESH_HEADINGS_LIST VARCHAR2(4000)
MEDLINE_DATE VARCHAR2(10)
COMMENTS VARCHAR2(2000)
PUBMED_ID VARCHAR2(20)
REFERENCE_ID = REFERENCE_ID
REFERENCE
REFERENCE_ID NUMBER
REFERENCE_TYPE VARCHAR2(15)
CURATION_KEYWORDS VARCHAR2(2000)
Physical Data Model
Project : IEDB
Model : IEDB_PUBLIC
Author : JRC Version 2.1 2/12/2010
COMPLEX : 2
COMPLEX_ID NUMBER
REFERENCE_ID NUMBER
ATOM_PAIRS CLOB
PDB_ID VARCHAR2(35)
PDB_CELL_CONTACT_AREA NUMBER
E_CONTACT_AREA NUMBER
E_VIEWER_STATUS VARCHAR2(25)
AB_C1_PDB_CHAIN VARCHAR2(10)
AB_C2_PDB_CHAIN VARCHAR2(10)
MHC_C1_PDB_CHAIN VARCHAR2(10)
MHC_C2_PDB_CHAIN VARCHAR2(10)
TCR_C1_PDB_CHAIN VARCHAR2(10)
TCR_C2_PDB_CHAIN VARCHAR2(10)
ANT_PDB_CHAIN VARCHAR2(10)
E_PDB_CHAIN VARCHAR2(10)
E_RESIDUES VARCHAR2(1000)
AB_ANT_RESIDUES VARCHAR2(1000)
E_MHC_RESIDUES VARCHAR2(1000)
E_TCR_RESIDUES VARCHAR2(1000)
MHC_E_RESIDUES VARCHAR2(1000)
MHC_TCR_RESIDUES VARCHAR2(1000)
TCR_E_RESIDUES VARCHAR2(1000)
TCR_MHC_RESIDUES VARCHAR2(1000)
CALC_ATOM_PAIRS CLOB
CALC_E_CONTACT_AREA FLOAT(126)
CALC_CELL_CONTACT_AREA FLOAT(126)
CALC_E_RESIDUES VARCHAR2(1000)
CALC_AB_ANT_RESIDUES VARCHAR2(1000)
CALC_E_MHC_RESIDUES VARCHAR2(1000)
CALC_E_TCR_RESIDUES VARCHAR2(1000)
CALC_MHC_E_RESIDUES VARCHAR2(1000)
CALC_MHC_TCR_RESIDUES VARCHAR2(1000)
CALC_TCR_E_RESIDUES VARCHAR2(1000)
CALC_TCR_MHC_RESIDUES VARCHAR2(1000)
COMMENTS VARCHAR2(2000)
COMPLEX_ID = COMPLEX_ID
CURATED_EPITOPE : 1
CURATED_EPITOPE_ID NUMBER
REFERENCE_ID NUMBER
E_NAME VARCHAR2(85)
E_LOCATION VARCHAR2(100)
E_REGION_DOMAIN_FLAG VARCHAR2(200)
E_COMMENTS VARCHAR2(2000)
E_OBJECT_ID NUMBER
RELATED_OBJECT_ID NUMBER
RELATED_OBJECT_TYPE VARCHAR2(200)
E_EV VARCHAR2(100)
E_REF_START NUMBER
E_REF_END NUMBER
E_REF_REGION VARCHAR2(2000)
CURATED_EPITOPE_ID = CURATED_EPITOPE_ID
CURATED_EPITOPE : 2
CURATED_EPITOPE_ID NUMBER
REFERENCE_ID NUMBER
E_NAME VARCHAR2(85)
E_LOCATION VARCHAR2(100)
E_REGION_DOMAIN_FLAG VARCHAR2(200)
E_COMMENTS VARCHAR2(2000)
E_OBJECT_ID NUMBER
RELATED_OBJECT_ID NUMBER
RELATED_OBJECT_TYPE VARCHAR2(200)
E_EV VARCHAR2(100)
E_REF_START NUMBER
E_REF_END NUMBER
E_REF_REGION VARCHAR2(2000)
CURATED_EPITOPE_ID = CURATED_EPITOPE_ID
MHC_ELUTION
MHC_ELUTION_ID NUMBER
REFERENCE_ID NUMBER
CURATED_EPITOPE_ID NUMBER
AS_LOCATION VARCHAR2(100)
AS_TYPE_ID NUMBER
AS_CHAR_VALUE VARCHAR2(50)
AS_NUM_VALUE NUMBER
AS_INEQUALITY VARCHAR2(5)
AS_NUM_SUBJECTS NUMBER
AS_NUM_RESPONDED NUMBER
AS_RESPONSE_FREQUENCY NUMBER
AS_IMMUNIZATION_COMMENTS VARCHAR2(2000)
AS_COMMENTS VARCHAR2(2000)
H_ORGANISM_ID NUMBER
H_SEX VARCHAR2(10)
H_AGE VARCHAR2(85)
H_MHC_TYPES_PRESENT VARCHAR2(500)
IV1_PROCESS_TYPE VARCHAR2(85)
IV1_ADJUVANTS VARCHAR2(400)
IV1_ROUTE VARCHAR2(35)
IV1_DOSE_SCHEDULE VARCHAR2(250)
IV1_ICD10 VARCHAR2(5)
IV1_DISEASE_STAGE VARCHAR2(85)
IV1_IMM_TYPE VARCHAR2(50)
IV1_IMM_REF_NAME VARCHAR2(250)
IV1_IMM_OBJECT_ID NUMBER
IV1_IMM_EV VARCHAR2(100)
IV1_CON_OBJECT_ID NUMBER
IV2_PROCESS_TYPE VARCHAR2(85)
IV2_ADJUVANTS VARCHAR2(400)
IV2_ROUTE VARCHAR2(35)
IV2_DOSE_SCHEDULE VARCHAR2(250)
IV2_ICD10 VARCHAR2(5)
IV2_DISEASE_STAGE VARCHAR2(85)
IV2_IMM_TYPE VARCHAR2(50)
IV2_IMM_REF_NAME VARCHAR2(250)
IV2_IMM_OBJECT_ID NUMBER
IV2_IMM_EV VARCHAR2(3500)
IV2_CON_OBJECT_ID NUMBER
AB_NAME VARCHAR2(200)
AB_TYPE VARCHAR2(35)
AB_MATERIALS_ASSAYED VARCHAR2(600)
AB_IMMUNOGLOBULIN_DOMAIN VARCHAR2(85)
AB_C1_MOL_TYPE VARCHAR2(85)
AB_C2_MOL_TYPE VARCHAR2(85)
ADT_IV_PROCESS_TYPE VARCHAR2(85)
ADT_IV_ADJUVANTS VARCHAR2(400)
ADT_IV_ROUTE VARCHAR2(35)
ADT_IV_DOSE_SCHEDULE VARCHAR2(250)
ADT_IV_ICD10 VARCHAR2(5)
ADT_IV_DISEASE_STAGE VARCHAR2(85)
ADT_IV_IMM_TYPE VARCHAR2(50)
ADT_IV_IMM_REF_NAME VARCHAR2(250)
ADT_IV_IMM_OBJECT_ID NUMBER
ADT_IV_IMM_EV VARCHAR2(100)
ADT_IV_CON_OBJECT_ID NUMBER
ADT_AB_NAME VARCHAR2(200)
ADT_AB_TYPE VARCHAR2(35)
ADT_AB_MATERIALS_ASSAYED VARCHAR2(600)
ADT_AB_IMMUNOGLOBULIN_DOMAIN VARCHAR2(85)
ADT_AB_C1_MOL_TYPE VARCHAR2(85)
ADT_AB_C2_MOL_TYPE VARCHAR2(85)
ADT_H_ORGANISM_ID NUMBER
ADT_H_AGE VARCHAR2(85)
ADT_H_SEX VARCHAR2(10)
ADT_H_MHC_TYPES_PRESENT VARCHAR2(500)
ADT_COMMENTS VARCHAR2(2000)
ANT_TYPE VARCHAR2(50)
ANT_REF_NAME VARCHAR2(250)
ANT_OBJECT_ID NUMBER
ANT_EV VARCHAR2(100)
ANT_CON_OBJECT_ID NUMBER
COMPLEX_ID NUMBER
AB_OBJECT_ID NUMBER
ADT_AB_OBJECT_ID NUMBER
BCELL
BCELL_ID NUMBER
REFERENCE_ID NUMBER
CURATED_EPITOPE_ID NUMBER
AS_LOCATION VARCHAR2(100)
AS_TYPE_ID NUMBER
AS_CHAR_VALUE VARCHAR2(50)
AS_NUM_VALUE NUMBER
AS_INEQUALITY VARCHAR2(5)
AS_NUM_SUBJECTS NUMBER
AS_NUM_RESPONDED NUMBER
AS_RESPONSE_FREQUENCY NUMBER
AS_IMMUNIZATION_COMMENTS VARCHAR2(2000)
AS_COMMENTS VARCHAR2(2000)
AS_ANT_CONFORMATION VARCHAR2(20)
H_ORGANISM_ID NUMBER
H_SEX VARCHAR2(10)
H_AGE VARCHAR2(85)
H_MHC_TYPES_PRESENT VARCHAR2(500)
IV1_PROCESS_TYPE VARCHAR2(85)
IV1_ADJUVANTS VARCHAR2(400)
IV1_ROUTE VARCHAR2(35)
IV1_DOSE_SCHEDULE VARCHAR2(250)
IV1_ICD10 VARCHAR2(5)
IV1_DISEASE_STAGE VARCHAR2(85)
IV1_IMM_TYPE VARCHAR2(50)
IV1_IMM_REF_NAME VARCHAR2(250)
IV1_IMM_OBJECT_ID NUMBER
IV1_IMM_EV VARCHAR2(100)
IV1_CON_OBJECT_ID NUMBER
IV2_PROCESS_TYPE VARCHAR2(85)
IV2_ADJUVANTS VARCHAR2(400)
IV2_ROUTE VARCHAR2(35)
IV2_DOSE_SCHEDULE VARCHAR2(250)
IV2_ICD10 VARCHAR2(5)
IV2_DISEASE_STAGE VARCHAR2(85)
IV2_IMM_TYPE VARCHAR2(50)
IV2_IMM_REF_NAME VARCHAR2(250)
IV2_IMM_OBJECT_ID NUMBER
IV2_IMM_EV VARCHAR2(3500)
IV2_CON_OBJECT_ID NUMBER
AB_NAME VARCHAR2(200)
AB_TYPE VARCHAR2(35)
AB_MATERIALS_ASSAYED VARCHAR2(600)
AB_IMMUNOGLOBULIN_DOMAIN VARCHAR2(85)
AB_C1_MOL_TYPE VARCHAR2(85)
AB_C2_MOL_TYPE VARCHAR2(85)
ADT_IV_PROCESS_TYPE VARCHAR2(85)
ADT_IV_ADJUVANTS VARCHAR2(400)
ADT_IV_ROUTE VARCHAR2(35)
ADT_IV_DOSE_SCHEDULE VARCHAR2(250)
ADT_IV_ICD10 VARCHAR2(5)
ADT_IV_DISEASE_STAGE VARCHAR2(85)
ADT_IV_IMM_TYPE VARCHAR2(50)
ADT_IV_IMM_REF_NAME VARCHAR2(250)
ADT_IV_IMM_OBJECT_ID NUMBER
ADT_IV_IMM_EV VARCHAR2(100)
ADT_IV_CON_OBJECT_ID NUMBER
ADT_AB_NAME VARCHAR2(200)
ADT_AB_TYPE VARCHAR2(35)
ADT_AB_MATERIALS_ASSAYED VARCHAR2(600)
ADT_AB_IMMUNOGLOBULIN_DOMAIN VARCHAR2(85)
ADT_AB_C1_MOL_TYPE VARCHAR2(85)
ADT_AB_C2_MOL_TYPE VARCHAR2(85)
ADT_H_ORGANISM_ID NUMBER
ADT_H_AGE VARCHAR2(85)
ADT_H_SEX VARCHAR2(10)
ADT_H_MHC_TYPES_PRESENT VARCHAR2(500)
ADT_COMMENTS VARCHAR2(2000)
ANT_TYPE VARCHAR2(50)
ANT_REF_NAME VARCHAR2(250)
ANT_OBJECT_ID NUMBER
ANT_EV VARCHAR2(100)
ANT_CON_OBJECT_ID NUMBER
COMPLEX_ID NUMBER
AB_OBJECT_ID NUMBER
OBJECT_ID = IV1_CON_OBJECT_ID
OBJECT_ID = AB_OBJECT_ID
OBJECT_ID = ANT_CON_OBJECT_ID
OBJECT_ID = IV1_IMM_OBJECT_ID
OBJECT_ID = ANT_OBJECT_ID
OBJECT_ID = ADT_AB_OBJECT_ID
OBJECT_ID = IV2_IMM_OBJECT_ID
OBJECT_ID = ADT_IV_IMM_OBJECT_ID
OBJECT_ID = ADT_IV_CON_OBJECT_ID
OBJECT_ID = IV2_CON_OBJECT_ID
OBJECT : 1
OBJECT_ID NUMBER
REFERENCE_ID NUMBER
OBJECT_TYPE VARCHAR2(200)
OBJECT_SUB_TYPE VARCHAR2(200)
OBJECT_DESCRIPTION VARCHAR2(535)
DERIVATIVE_TYPE VARCHAR2(500)
ORGANISM_ID NUMBER
ORGANISM2_ID NUMBER
REGION VARCHAR2(1000)
STARTING_POSITION NUMBER
ENDING_POSITION NUMBER
CELL_NAME VARCHAR2(85)
CELL_TYPE VARCHAR2(85)
TISSUE_TYPE VARCHAR2(85)
ORIGIN VARCHAR2(85)
MOL1_SEQ VARCHAR2(2000)
MOL1_MODIFIED_SEQ VARCHAR2(4000)
MOL1_MODIFICATION VARCHAR2(85)
MOL1_SOURCE_ID NUMBER
MOL2_MODIFIED_SEQ VARCHAR2(4000)
MOL2_MODIFICATION VARCHAR2(85)
MOL2_SOURCE_ID NUMBER
MULT_CHAIN_MOL_NAME VARCHAR2(85)
OBJECT_ID = ANT_OBJECT_ID
OBJECT_ID = ANT_ADJ_IV_CON_OBJECT_ID
OBJECT_ID = ANT_IV_IMM_OBJECT_ID
OBJECT_ID = IVT_CON_OBJECT_ID
OBJECT_ID = IV2_CON_OBJECT_ID
OBJECT_ID = IV2_IMM_OBJECT_ID
OBJECT_ID = TCR_OBJECT_ID
OBJECT_ID = IVT_IMM_OBJECT_ID
OBJECT_ID = IV1_CON_OBJECT_ID
OBJECT_ID = IV1_IMM_OBJECT_ID
OBJECT_ID = ADT_TCR_OBJECT_ID
SOURCE_ID = MOL2_SOURCE_ID
SOURCE_ID = MOL1_SOURCE_ID
SOURCE : 1
SOURCE_ID NUMBER
ACCESSION VARCHAR2(15)
DATABASE VARCHAR2(15)
NAME VARCHAR2(250)
ALIASES VARCHAR2(3500)
CHEMICAL_TYPE VARCHAR2(85)
SOURCE_DATE DATE
SEQUENCE CLOB
SMILES_STRUCTURE VARCHAR2(3500)
SYNONYMS CLOB
ORGANISM_ID NUMBER
SMILES_IMAGE BLOB
ORGANISM_ID = ORGANISM_ID
ORGANISM : 2
ORGANISM_ID NUMBER
PARENT_TAX_ID NUMBER
ACTIVE_NODE NUMBER
PATH VARCHAR2(500)
RANK VARCHAR2(50)
ORGANISM_ID = APC_H_ORGANISM_ID
ORGANISM_ID = ADT_TCR_ORGANISM_ID
ORGANISM_ID = ADT_H_ORGANISM_ID
ORGANISM_ID = ADT_H_ORGANISM_ID
ORGANISM_ID = H_ORGANISM_ID
ORGANISM_NAMES
ORGANISM_ID NUMBER
NAME_TXT VARCHAR2(150)
NAME_CLASS VARCHAR2(50)
ASSAY_TYPE_ID = AS_TYPE_ID
ASSAY_TYPE : 1
ASSAY_TYPE_ID NUMBER
CATEGORY VARCHAR2(50)
ASSAY_TYPE VARCHAR2(50)
RESPONSE VARCHAR2(85)
UNITS VARCHAR2(30)
CODE = IV1_ICD10
CODE = IV2_ICD10
CODE = ADT_IV_ICD10
ICD10_CODES : 1
CODE VARCHAR2(5)
DESCRIPTION VARCHAR2(200)
TCELL
TCELL_ID NUMBER
REFERENCE_ID NUMBER
CURATED_EPITOPE_ID NUMBER
AS_LOCATION VARCHAR2(100)
AS_TYPE_ID NUMBER
AS_CHAR_VALUE VARCHAR2(50)
AS_NUM_VALUE NUMBER
AS_INEQUALITY VARCHAR2(5)
AS_NUM_SUBJECTS NUMBER
AS_NUM_RESPONDED NUMBER
AS_RESPONSE_FREQUENCY NUMBER
AS_IMMUNIZATION_COMMENTS VARCHAR2(2000)
AS_COMMENTS VARCHAR2(2000)
H_ORGANISM_ID NUMBER
H_SEX VARCHAR2(10)
H_AGE VARCHAR2(85)
H_MHC_TYPES_PRESENT VARCHAR2(500)
TCR_NAME VARCHAR2(85)
TCR_C1_MOL_TYPE VARCHAR2(85)
TCR_C2_MOL_TYPE VARCHAR2(85)
IV1_PROCESS_TYPE VARCHAR2(85)
IV1_ADJUVANTS VARCHAR2(400)
IV1_ROUTE VARCHAR2(35)
IV1_DOSE_SCHEDULE VARCHAR2(250)
IV1_ICD10 VARCHAR2(5)
IV1_DISEASE_STAGE VARCHAR2(85)
IV1_IMM_TYPE VARCHAR2(50)
IV1_IMM_REF_NAME VARCHAR2(250)
IV1_IMM_OBJECT_ID NUMBER
IV1_IMM_EV VARCHAR2(100)
IV1_CON_OBJECT_ID NUMBER
IV2_PROCESS_TYPE VARCHAR2(85)
IV2_ADJUVANTS VARCHAR2(400)
IV2_ROUTE VARCHAR2(35)
IV2_DOSE_SCHEDULE VARCHAR2(250)
IV2_ICD10 VARCHAR2(5)
IV2_DISEASE_STAGE VARCHAR2(85)
IV2_IMM_TYPE VARCHAR2(50)
IV2_IMM_REF_NAME VARCHAR2(250)
IV2_IMM_OBJECT_ID NUMBER
IV2_IMM_EV VARCHAR2(100)
IV2_CON_OBJECT_ID NUMBER
IVT_PROCESS_TYPE VARCHAR2(85)
IVT_RESPONDER_CELL_TYPE VARCHAR2(85)
IVT_STIMULATOR_CELL_TYPE VARCHAR2(85)
IVT_IMM_TYPE VARCHAR2(50)
IVT_IMM_REF_NAME VARCHAR2(250)
IVT_IMM_OBJECT_ID NUMBER
IVT_IMM_EV VARCHAR2(100)
IVT_CON_OBJECT_ID NUMBER
ADT_IV_PROCESS_TYPE VARCHAR2(85)
ADT_IV_ADJUVANTS VARCHAR2(400)
ADT_IV_ROUTE VARCHAR2(35)
ADT_IV_DOSE_SCHEDULE VARCHAR2(250)
ADT_IV_ICD10 VARCHAR2(5)
ADT_IV_DISEASE_STAGE VARCHAR2(85)
ADT_IV_IMM_TYPE VARCHAR2(50)
ADT_IV_IMM_REF_NAME VARCHAR2(250)
ADT_IV_IMM_OBJECT_ID NUMBER
ADT_IV_IMM_EV VARCHAR2(100)
ADT_IV_CON_OBJECT_ID NUMBER
ADT_TCR_NAME VARCHAR2(85)
ADT_TCR_ORGANISM_ID NUMBER
ADT_TCR_C1_MOL_TYPE VARCHAR2(85)
ADT_TCR_C2_MOL_TYPE VARCHAR2(85)
ADT_H_ORGANISM_ID NUMBER
ADT_H_AGE VARCHAR2(85)
ADT_H_SEX VARCHAR2(10)
ADT_H_MHC_TYPES_PRESENT VARCHAR2(500)
ADT_EFFECTOR_CELL_TYPE VARCHAR2(85)
ADT_EFFECTOR_TISSUE_TYPE VARCHAR2(85)
ADT_EFFECTOR_ORGIN VARCHAR2(85)
ADT_COMMENTS VARCHAR2(2000)
EFFECTOR_CELL_TYPE VARCHAR2(85)
EFFECTOR_TISSUE_TYPE VARCHAR2(85)
EFFECTOR_ORGIN VARCHAR2(85)
MHC_ALLELE_NAME VARCHAR2(35)
MHC_ALLELE_EV VARCHAR2(100)
MHC_AUTOLOGOUS VARCHAR2(21)
APC_CELL_TYPE VARCHAR2(85)
APC_TISSUE_TYPE VARCHAR2(85)
APC_ORGIN VARCHAR2(85)
APC_H_ORGANISM_ID NUMBER
APC_H_AGE VARCHAR2(85)
APC_H_SEX VARCHAR2(10)
ANT_TYPE VARCHAR2(50)
ANT_REF_NAME VARCHAR2(250)
ANT_OBJECT_ID NUMBER
ANT_EV VARCHAR2(100)
ANT_CON_OBJECT_ID NUMBER
COMPLEX_ID NUMBER
TCR_OBJECT_ID NUMBER
ADT_TCR_OBJECT_ID NUMBER
CODE = IV1_ICD10
CODE = IV2_ICD10
CODE = ADT_IV_ICD10
COMPLEX : 1
COMPLEX_ID NUMBER
REFERENCE_ID NUMBER
ATOM_PAIRS CLOB
PDB_ID VARCHAR2(35)
PDB_CELL_CONTACT_AREA NUMBER
E_CONTACT_AREA NUMBER
E_VIEWER_STATUS VARCHAR2(25)
AB_C1_PDB_CHAIN VARCHAR2(10)
AB_C2_PDB_CHAIN VARCHAR2(10)
MHC_C1_PDB_CHAIN VARCHAR2(10)
MHC_C2_PDB_CHAIN VARCHAR2(10)
TCR_C1_PDB_CHAIN VARCHAR2(10)
TCR_C2_PDB_CHAIN VARCHAR2(10)
ANT_PDB_CHAIN VARCHAR2(10)
E_PDB_CHAIN VARCHAR2(10)
E_RESIDUES VARCHAR2(1000)
AB_ANT_RESIDUES VARCHAR2(1000)
E_MHC_RESIDUES VARCHAR2(1000)
E_TCR_RESIDUES VARCHAR2(1000)
MHC_E_RESIDUES VARCHAR2(1000)
TCR_E_RESIDUES VARCHAR2(1000)
TCR_MHC_RESIDUES VARCHAR2(1000)
CALC_ATOM_PAIRS CLOB
CALC_E_CONTACT_AREA FLOAT(126)
CALC_CELL_CONTACT_AREA FLOAT(126)
CALC_E_RESIDUES VARCHAR2(1000)
CALC_AB_ANT_RESIDUES VARCHAR2(1000)
CALC_E_MHC_RESIDUES VARCHAR2(1000)
CALC_E_TCR_RESIDUES VARCHAR2(1000)
CALC_MHC_TCR_RESIDUES VARCHAR2(1000)
CALC_TCR_E_RESIDUES VARCHAR2(1000)
CALC_TCR_MHC_RESIDUES VARCHAR2(1000)
COMMENTS VARCHAR2(2000)
COMPLEX_ID = COMPLEX_ID
DISPLAYED_RESTRICTION = MHC_ALLELE_NAME
MHC_BIND
MHC_BIND_ID NUMBER
REFERENCE_ID NUMBER
CURATED_EPITOPE_ID NUMBER
COMPLEX_ID NUMBER
AS_LOCATION VARCHAR2(100)
AS_TYPE_ID NUMBER
AS_CHAR_VALUE VARCHAR2(50)
AS_NUM_VALUE NUMBER
AS_INEQUALITY VARCHAR2(5)
AS_COMMENTS VARCHAR2(2000)
MHC_ALLELE_NAME VARCHAR2(85)
ASSAY_TYPE_ID = AS_TYPE_ID
ASSAY_TYPE : 2
ASSAY_TYPE_ID NUMBER
CATEGORY VARCHAR2(50)
ASSAY_TYPE VARCHAR2(50)
RESPONSE VARCHAR2(85)
UNITS VARCHAR2(30)
DISPLAYED_RESTRICTION = MHC_ALLELE_NAME
MHC_ALLELE_RESTRICTION
MHC_ALLELE_RESTRICTION_ID NUMBER
DISPLAYED_RESTRICTION VARCHAR2(35)
SYNONYMS VARCHAR2(85)
INCLUDES VARCHAR2(85)
RESTRICTION_LEVEL VARCHAR2(35)
ORGANISM VARCHAR2(150)
ORGANISM_NCBI_TAX_ID NUMBER
CLASS VARCHAR2(35)
HAPLOTYPE VARCHAR2(10)
LOCUS VARCHAR2(10)
SEROTYPE VARCHAR2(10)
MOLECULE VARCHAR2(35)
CHAIN_1_TYPE VARCHAR2(35)
CHAIN_1_NAME VARCHAR2(10)
CHAIN_1_ACCESSION VARCHAR2(15)
CHAIN_1_SEQUENCE CLOB
CHAIN_II_TYPE VARCHAR2(35)
CHAIN_II_NAME VARCHAR2(10)
CHAIN_II_ACCESSION VARCHAR2(15)
CHAIN_II_SEQUENCE CLOB
MOLECULE_SEQUENCE_EVIDENC_CODE VARCHAR2(35)
SEQ_SOURCE VARCHAR2(15)
OBJECT_ID = ANT_OBJECT_ID
OBJECT_ID = IV1_CON_OBJECT_ID
OBJECT_ID = IV1_IMM_OBJECT_ID
OBJECT_ID = IVT_CON_OBJECT_ID
OBJECT_ID = IVT_IMM_OBJECT_ID
OBJECT : 2
OBJECT_ID NUMBER
REFERENCE_ID NUMBER
OBJECT_TYPE VARCHAR2(200)
OBJECT_SUB_TYPE VARCHAR2(200)
OBJECT_DESCRIPTION VARCHAR2(535)
DERIVATIVE_TYPE VARCHAR2(500)
ORGANISM_ID NUMBER
ORGANISM2_ID NUMBER
REGION VARCHAR2(1000)
STARTING_POSITION NUMBER
ENDING_POSITION NUMBER
CELL_NAME VARCHAR2(85)
CELL_TYPE VARCHAR2(85)
TISSUE_TYPE VARCHAR2(85)
ORIGIN VARCHAR2(85)
MOL1_SEQ VARCHAR2(2000)
MOL1_MODIFIED_SEQ VARCHAR2(4000)
MOL1_MODIFICATION VARCHAR2(85)
MOL1_SOURCE_ID NUMBER
MOL2_MODIFIED_SEQ VARCHAR2(4000)
MOL2_MODIFICATION VARCHAR2(85)
MOL2_SOURCE_ID NUMBER
MULT_CHAIN_MOL_NAME VARCHAR2(85)
CODE = IV1_ICD10
ORGANISM_ID = H_ORGANISM_ID
ICD10_CODES : 2
CODE VARCHAR2(5)
DESCRIPTION VARCHAR2(200)
ORGANISM : 1
ORGANISM_ID NUMBER
PARENT_TAX_ID NUMBER
ACTIVE_NODE NUMBER
PATH VARCHAR2(500)
RANK VARCHAR2(50)
SOURCE : 2
SOURCE_ID NUMBER
ACCESSION VARCHAR2(15)
DATABASE VARCHAR2(15)
NAME VARCHAR2(250)
ALIASES VARCHAR2(500)
CHEMICAL_TYPE VARCHAR2(85)
SOURCE_DATE DATE
SEQUENCE CLOB
SMILES_STRUCTURE VARCHAR2(3500)
SYNONYMS CLOB
ORGANISM_ID NUMBER
SMILES_IMAGE BLOB
SOURCE_ID = NON_AA_SOURCE_ID
EPITOPE
EPITOPE_ID NUMBER
DESCRIPTION VARCHAR2(535)
LINEAR_PEPTIDE_SEQ VARCHAR2(4000)
LINEAR_PEPTIDE_MODIFIED_SEQ VARCHAR2(4000)
LINEAR_PEPTIDE_MODIFICATION VARCHAR2(85)
NON_AA_SOURCE_ID NUMBER
DISC_SOURCE_ID NUMBER
DISC_REGION VARCHAR2(4000)
DISC_MODIFICATION VARCHAR2(85)
MC_REGION VARCHAR2(4000)
MC_MOL1_SOURCE_ID NUMBER
MC_MOL1_MODIFICATION VARCHAR2(85)
MC_MOL2_SOURCE_ID NUMBER
MC_MOL2_MODIFICATION VARCHAR2(85)
OBJECT_ID = OBJECT_ID
ORGANISM_ID = SOURCE_ORGANISM_ORG_ID
EPITOPE_ID = EPITOPE_ID
EPITOPE_OBJECT
EPITOPE_ID NUMBER
OBJECT_ID NUMBER
SOURCE_ANTIGEN_ACCESSION VARCHAR2(50)
SOURCE_ORGANISM_ORG_ID NUMBER