ENTREZ2WIKI SOURCE: http://data.wikipathways.org/current/gmt/ OLDNAME: wikipathways-20161210-gmt-Homo_sapiens.gmt.txt PATH

KEGG ID2NAME SOURCE: http://rest.kegg.jp/list/pathway/hsa KEGG_PATH KEGG_ID

ENTREZID

GOID2GONAME SOURCE: http://geneontology.org/page/download-ontology OLDNAME: go-basic.obo.txt GO_ID GO_NAME

DISEASE2BIOMARKER SOURCE: Therapeutic Target Database (TTD) OLDNAME: biomarker-diseases.txt BIOMARKER_REC_ID BIOMARKERNAME DISEASE ICD9

DISEASE

MEDDRA

DISEASEONTOLOGY SOURCE: https://github.com/DiseaseOntology/ HumanDiseaseOntology/tree/master/src/ontology OLDNAME: doid_<DATE>.txt UMLS **MESH**

DISEASE2SYMPTOMS SOURCE: http://www.nature.com/ncomms/ 2014/140626/ncomms5212/full/ncomms5212.html OLDNAME: Disease2Symptoms.txt MESH_SYMPTOM_TERM MESH_DISEASE_TERM PUBMED_OCCURRENCE FIDF_SCORE

DISEASE2GENES SOURCE: http://www.disgenet.org/web/ DisGeNET/menu/downloads |OLDNAME: curatedAndBefree_gene_ disease_associations_<DATE>.csv geneld (entrez) geneName (entrez Symbol) description liseaseName sourceld NofPmids NofSnps

doid_MESH2ICD9 SOURCE: https://github.com/DiseaseOntology/HumanD OLDNAME: doid_MESH2ICD9_<DATE>.csv

ICD9GROUPING SOURCE: https://medschool.vanderbilt.edu/cpm/ phewas-phenome-wide-association-studies-0 OLDNAME: ICD9code_translation_updated ICD9 STRING PHEWAS CODE PHEWAS_STRING EXCLUDE_RANGE ROLLUP BOOL IGNORE_BOOL

SOURCE: Drug2Gene (www.drug2gene.com) OLDNAME: Drug2Targets RELATIONID GENE_DISEASES TARGET_CLASS COMPOUND_DISEASES RELATION_STRENGTH COMPOUND_TRIVIAL_NAME RELATION CONFIDENCE_LEVEL ENTREZ_GENE_ID GENE SYMBOL PATHWAY_NAME COMPOUND ALTERNATIVE NAMES COMPOUND_TYPES

DRUG2INDICATIONS

SOURCE: https://medschool.vanderbilt.edu/

medi-ensemble-medication-indication-resource

cpm/center-precision-medicine-blog/

OLDNAME: MEDI wPrevalence

RXCUI_IN

ICD9_STR

DRUG_DESC

PREVALENCE

SOURCE: SIDER

STITCHID_FLAT

TREATMENT

FREQUENCY

TERM TYPE

TERM ID

MEDDRA

FREQUENCY_LB

FREQUENCY UP

DRUG2TARGETS1

DRUG

ugBank ID ession Numbers mmon name iProt Name indard InChI Key

ICD9

ICD10

DRUG2SIDEEFFECTS OLDNAME: Drug2SideEffects STITCHID_STEREO

DRUGIDS SOURCE: STITCH OLDNAME: chemical.sources.4.0.tsv FLAT_CHEMICAL STEREO_CHEMICAL SOURCE_NAME (ATC) SOURCE_ID

DRUG2SYNONYMS SOURCE: TTD OLDNAME: Synonyms.txt **TTDDRUGID DRUGNAME** SYNONYMS DRUG2INDICATIONSTTD SOURCE: TTD OLDNAME: drug-diseaseTTD2016.txt TTDDRUGID INDICATION

TARGET

WIKI PATHWAY ID

WIKI PATHWAY NAME

OLDNAME: TTD_uniprot_all

TTD_TARGET_ID

TARGET_NAME

TARGET_TYPE

TTDTARGETID

TARGET NAME

SOURCE: org.Hs.eg.db

INDICATION

ENTREZID

GOALL

ICD9

ICD10

UNIPROT_ID

TARGET2UNIPROT

TARGET2DISEASES

org.entrez2GO

SOURCE: Therapeutic Target Database (TTD)

OLDNAME: target-diseaseTTD2016.txt

SOURCE: Therapeutic Target Database (TTD)

DRUGSYNONYMSDRUGBANK SOURCE: DrugBank
OLDNAME: DrugSynonymsDrugBank.csv

AED2TARGET SOURCE: https://www.epilepsysociety.org.uk/ sites/default/files/attachments/ Chapter25Sills2015.pdf OLDNAME: AED2TARGET.csv Na channel HVA_Ca_channel LVA_Ca_channel K_channel GABA_receptor GABA_turnover Glut_recept CarbAnh

TARGET_ONTOLOGY TARGET2KEGGPATHWAYS SOURCE: TTD OLDNAME: TTD_download.txt SOURCE: Therapeutic Target Database (TTD) OLDNAME: Target-KEGGpathway.txt TTDID Name KEGG PATHWAYID Synonyms KEGG_PATHWAY_NAME BioChemical Class Pathway TARGET2WIKIPATHWAYS UniProt ID SOURCE: Therapeutic Target Database (TTD) Drug(s) OLDNAME: Target-Wikipathway.txt

> TTD_CROSSMATCHING SOURCE: TTD OLDNAME: TTD_crossmatching.txt TTDID DrugName CASNumber Formular PubchemCID PubchemSID ChEBIID SuperDrugATC SuperDrugCAS

> > DRUGTARGETSDRUGBANK

SOURCE: DrugBank
DLDNAME: DrugTargetsDrugBank.csv rugBank ID niProt Name

uniprot2tissue *2017 FEB 08 SOURCE: www.proteinatlas.org SCRIPT: Gene2Tissue.Rmd UNIPROT

PATIENTS SOURCE: Truven + Redbook OLDNAME: Table04 ENROLID STARTDT ENDDT EVTDATE DAYS MHSAFL DIAG HOSPFL INDEXDT NDCNUM PROPRIETARYNAME SUBSTANCENAME PHARMCLS1 PHARMCLS2 PHARMCLS3 PHARMCLS4 PHARMCLS5 DAYSUPP METQTY THERCLS THERGRP **ROS** (Route of Administration STRENGTH (drug strength) REGION

REGIONC

GENDER

IXDAYS

REGIONC

GENDER

PATIENT / HEALTH INSURANCE

PATIENTAGEREGION SOURCE: Truven OLDNAME: Table04 ENROLID SINCL00 INDEXDT **ENROLCHAR** DTSTART DTEND ENROLCHAR RX DTSTART_RX DTEND_RX MEDICAID REGION