

Synonym Load

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1 Purpose of Document

To describe the Synonym Load product.

2 Overview

The purpose of the Synonym Load is to:

1. To load new marker synonym records into MGI Marker Synonym table and set these attributes:
 - Marker Synonym
 - Synonym Reference

3 Inputs

A tab-delimited file in the following format (no column headings):

Table 1: Input File

Field	Name	Example	Type	Max Length
1	Marker Accession ID	MGI:12345	string	30
2	Synonym J:####	Syn1 J:12345	string	none

Field 2-?:

A synonym/reference separated by “|”:

Syn1|J:12345

Create one synonym/reference pair for each synonym to be loaded.

4 Outputs

1. 1 BCP file (inputfile name is prepended to each bcp file name):
 - MRK_Other.bcp

2. Diagnostics file (inputfile.MMDDYYYY.diagnostics) that includes all SQL commands issued by the load.
3. Error file (inputfile.MMDDYYYY.error) that includes any data validation errors.

5 Processing

1. Verify Mode.
 - if mode = load: process records
 - if mode = preview: set "DEBUG" to True
2. For each line in the input file:
 1. Verify the Marker Acc ID is valid.
If the verification fails, write the error to the error file and skip the record.
 2. Verify the J:is valid.
If the verification fails, write the error to the error file and skip the record.
 3. Create the Synonym bcp records (MRK_Other.bcp).
3. Load the bcp file into the database.

6 Usage

To execute:

Python Program: synonymload.py

Parameters:

- -S server
- -D database
- -U user
- -P password file
- -M mode (*load* or *preview*)
- -I input file