Synonym Load

Author: Lori Corbani

Created: March 4, 2004

Last Modified: March 4, 2004 08:36

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