

Sequence Export and Import Documentation

The export and import python files are located in “/home/sofiebio/src/elixys/config/init.d”

To run a sequence export (copying a sequence into a file), follow these steps:

1. **cd /home/sofiebio/src/elixys/config/init.d**
2. **python sequence_exporter.py -n '<NAME OF SEQUENCE>'**
 - a. Example: python sequence_exporter.py -n 'FLT Sequence 1'
 - b. Note: Single quotes are needed for the name of the file. Do not type the name of the sequence without the single quotes
3. The output of the export is a file called “**sequence_<NAME OF SEQUENCE>_dump.p**”
 - a. This is a Pickle/Python object file, not a regular .txt file
 - b. This file can now be imported using the sequence_importer python file. The location of this file is located in the same directory as the import script was. (../init.d)
4. Now play the file in a flash drive or email it to the other server to import the sequence.

To run a sequence import (copying a file with sequence data into the database), follow these steps:

1. **cd /home/sofiebio/src/elixys/config/init.d**
2. **python sequence_importer.py -l '<NAME OF FILE>'**
 - a. Example: python sequence_importer.py -l 'sequence_FLT_Sequence_1_dump.p'
 - b. Note: -l is lowercase L, stands for load
3. After the script is ran, the sequence should automatically pop up in the client and can be ran.

Bugs:

Currently there's a bug. After importing the sequence into the database, sometimes an 'ADD' action will show an 'Invalid reagent' error. However, the sequence can be ran and everything should work fine.

To check this minor bug:

1. Click/Tap on a Sequence
2. View Sequence
3. Click/Tap on an 'ADD' action in the sequencer panel on the bottom
4. If 'REAGENT' has an error below, then see below to fix the bug. If not, then the sequence should run fine.

To fix this minor bug, you can simply:

1. Click/Tap on the sequence
2. Edit Sequence
3. Click/Tap on the 'CASSETTE' that contains the reagent
4. Click/Tap on the position number where the reagent is located
5. Make a change to either the name or description. It doesn't matter what changes, make it minor
6. Then the rest of the reagent errors will disappear with any other 'ADD' action