

Instructions for Using Old Version of Construction File Simulator (for Windows and Mac users)

1. Download the 140L_CFS_OLD.zip folder and unzip it by double clicking and opening the folder.
2. It should contain a .jar file called "ConstructionFileSimulator.jar" and an experiment folder called "demo_cfs_experiment".
3. Launch the ConstructionFileSimulator.jar using either one of the following two methods:
 - a. **Method 1: Direct Launch**
 - i. Double Click the "ConstructionFileSimulatorv5.jar" file
 - b. **Method 2: Launch from Command Line**
 - i. Open the Command Prompt
 - ii. Navigate to the folder that the "ConstructionFileSimulatorv5.jar" file is located
 - iii. In Command Prompt: type cd/
 - iv. In Command Prompt" type the cd\ <path to "folder with ConstructionFileSimulatorv5.jar> (i.e., cd\Users\madhu\Downloads)
 - v. In Command Prompt: type java -jar ConstructionFileSimulatorv5.jar
4. Locate the experiment folder called "demo_cfs_experiment".
5. Drag and drop the experiment folder into the Construction File Simulator window
6. If the simulation was successful, ensure that the following files were created in the folder where the "ConstructionFileSimulatorv5.jar" file is located.
 - a. C5log.txt
 - b. C5seqs.txt
 - c. Sequence Maps (i.e., "pLys18B")
7. If the simulation was unsuccessful, ensure that the following files were created in the folder where the "ConstructionFileSimulatorv5.jar" file is located.
 - a. C5log.txt
 - b. C5seqs.txt

Troubleshooting Failed Simulations

1. Inspect the C5logs.txt file to inspect which step of the simulation failed
 - a. Missing Oligos file in Experiment Folder:
 - i. SEVERE: Oligo ohol1 is missing
 - ii. SEVERE: Oligo ohol1 is missing
 - b. Missing Sequence Maps in Experiment Folder:
 - i. SEVERE: Template pLys9-B2 is missing
 - ii. SEVERE: Template pLys9-B2 is missing