

A quick guide for the sequence optimization function

This program provides an implementation for carrying out the sequence optimization pipeline we recommend in:

Weiner I*, Atar S*, Schweitzer S*, Eilenberg H, Feldman Y, Avitan M, Danon A, Tuller T[^], Yacoby I[^]

Enhancing Synthetic Expression in *C. reinhardtii* by Transcript Sequence Optimization

The Plant Journal

Steps:

- 1. Be sure to place all .m and .mat files from this folder in your working path (they are all required)**
- 2. Open the script file *run_optimization***
- 3. Change the example fields to your real data**
- 4. Run the script**
- 5. The data will be written to your specified output file**

*The code is written for MATLAB and makes use of the MATLAB bioinformatics toolbox.

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