

This Quick Guide is for use with the Console Software, v4.x and the SYNTAX System, Model STX-100. For full user instructions, see the *SYNTAX System User Guide*, [www.DNAScript.com/STX-100UserGuide](http://www.DNAScript.com/STX-100UserGuide).

## 1. Before You Begin

- Console Software: Cloud or on-premises installation and your account credentials.
- SYNTAX System: Installed and qualified by a DNA Script representative. Powered on and accessible using the Console Software.
- Sequence file: Oligo sequences specified in a .csv/.xls/.xlsx file using the Console Software templates or in a FASTA file.

## 2. Console Software Access

1. Log in to the Console Software:
  - a. Navigate your web browser to [syntax.DNAScript.com](http://syntax.DNAScript.com) (for on-premises software installation: <http://127.0.0.1:3001>).
  - b. Enter your account credentials.
2. Select **Instruments > Instrument Fleet** from the sidebar. Confirm the SYNTAX System is connected and available (Figure 1).

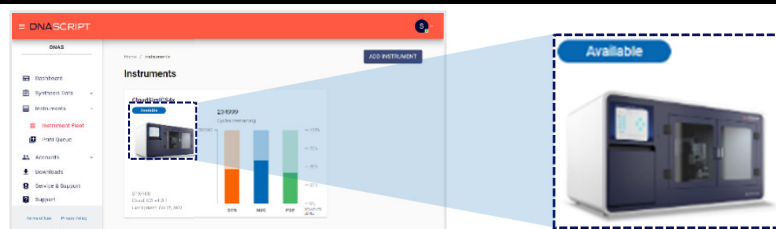


Figure 1. Instruments Screen – System Available

## 3. Print Job Creation

1. From the Dashboard, click **UPLOAD SEQUENCE FILE** to specify new sequences (Figure 2).
 

**NOTE:** To view previously uploaded sequence files, select **VIEW SEQUENCE FILES**.
2. On the New Synthesis Run screen, click **SYNTAX Kit type** and choose either the 60-cycle or 80-cycle kit (Figure 3).
3. Specify the oligo sequences:

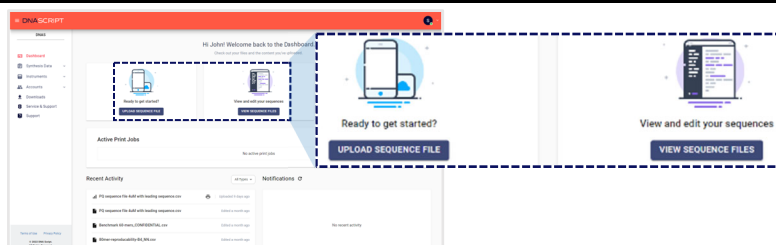


Figure 2. Dashboard – Upload Sequence Files and View Sequence Files

- a. Use a .csv/.xls/.xlsx template: Click **UPLOAD FILES** or drag and drop the file into the *Drag & Drop or select files* area (Figure 4).
- b. Enter the sequences: Click **ADD SEQUENCES** and then type or paste your oligo sequence(s) using this format:

```
>name of oligo1
AGCTAGCTAGCTAGCT
>name of oligo2
GATCGATCGATCGAT
```

**NOTE:** Oligo names are optional. Use one row per oligo sequence.

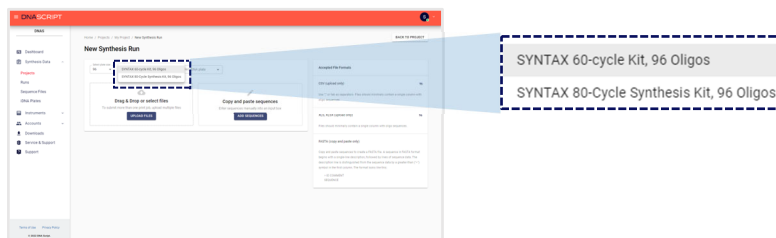


Figure 3. New Synthesis Run Screen – Synthesis Kit Type

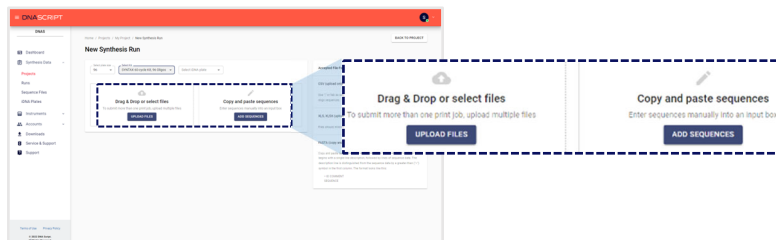



Figure 4. New Synthesis Run Screen – Drag & Drop or Select Files and Copy and Paste Sequences

- The Console Software checks the sequence file for errors and difficult sequences (Figure 5).
- Click  (expand icon) to review the plate in a secondary window.
- Review the plate for any warnings (Figure 6) and modify the sequences if necessary.

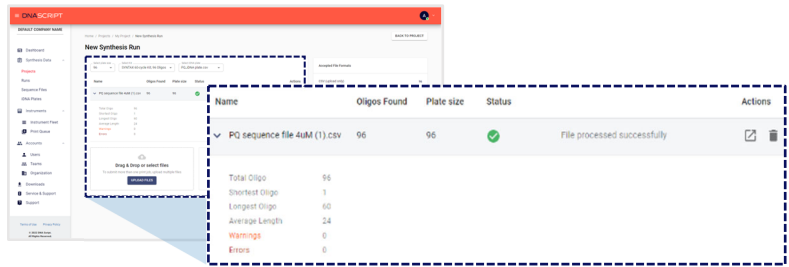


Figure 5. The Console Software – Results of Sequence File Processing

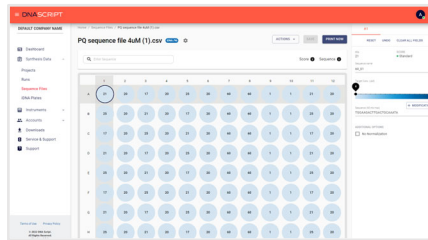


Figure 6. Plate Viewer

#### 4. Print Job Transfer to the SYNTAX System

- Click **PRINT NOW** if satisfied with the print job, and then confirm on-screen (Figure 7).  
**NOTE:** If you have multiple SYNTAX Systems, select the instrument you want to use from the dropdown **INSTRUMENT** menu.
- When the Congratulations screen is displayed (Figure 8), note the *Print #*, which identifies the print job to select for the run.

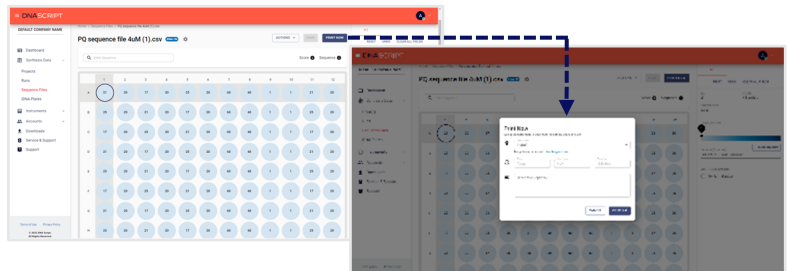


Figure 7. Accessing the Print Now Screen

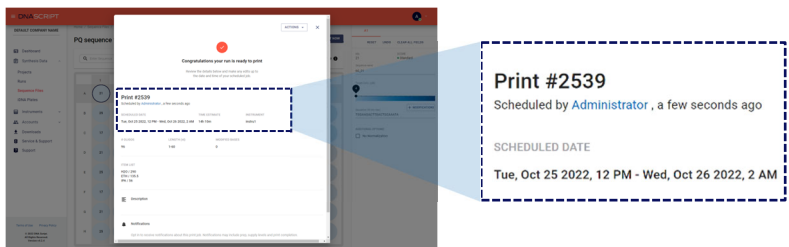


Figure 8. Congratulations Screen – Print Number

#### 5. Run Setup & Start Using the SYNTAX System

See the *SYNTAX System User Guide* or the *SYNTAX System Quick Guide* for instructions to set up the system and run the print job.



Figure 9. SYNTAX Instrument

#### Technical Support

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