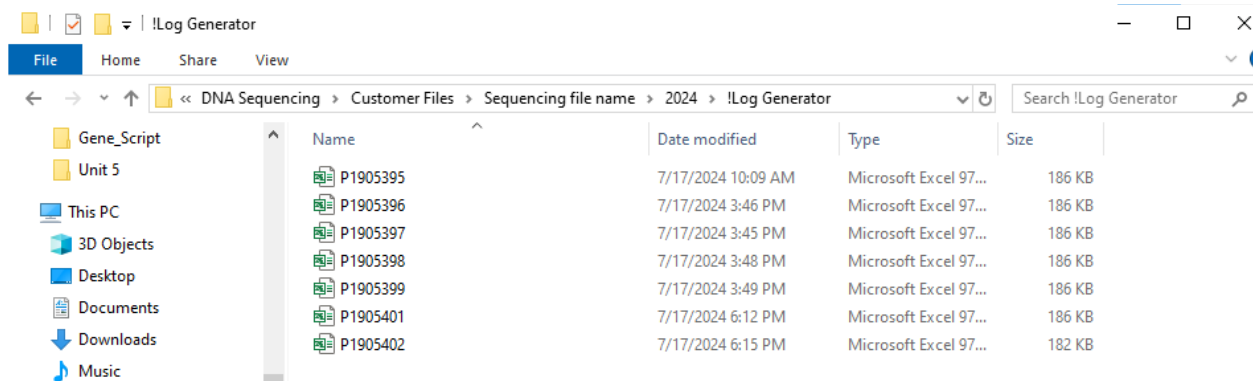
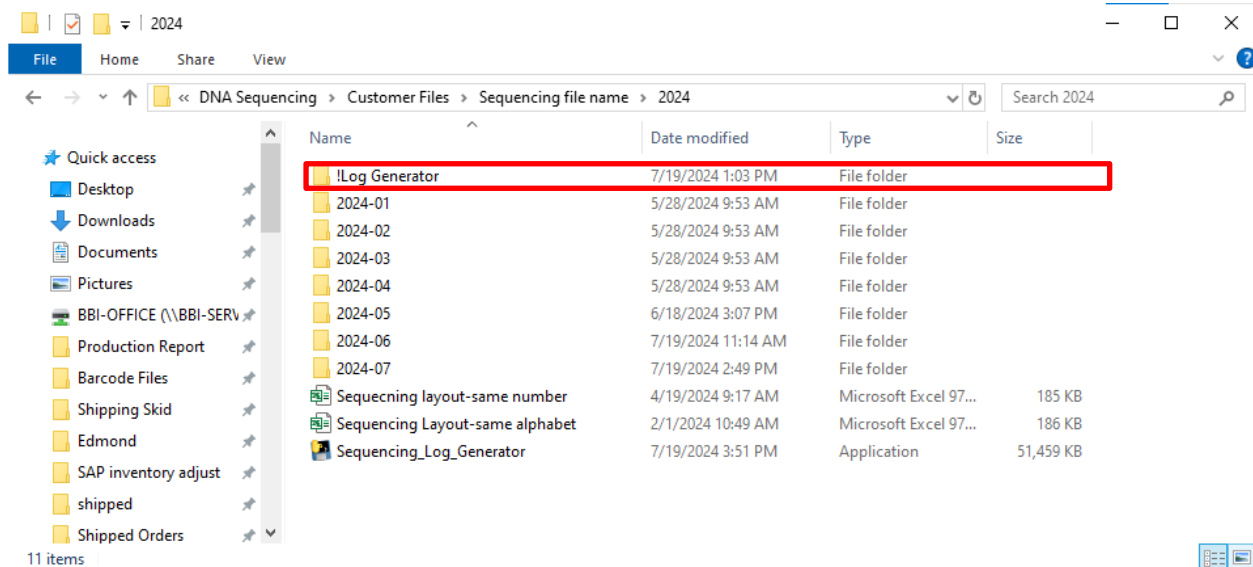


Sequencing Log Processor

Overview This script processes sequencing data from multiple Excel files and combines the information into a single log file. It extracts relevant data, matches it with BBID information, and outputs a consolidated Excel file with all processed data.

1. Put the excel file to Log Generator folder

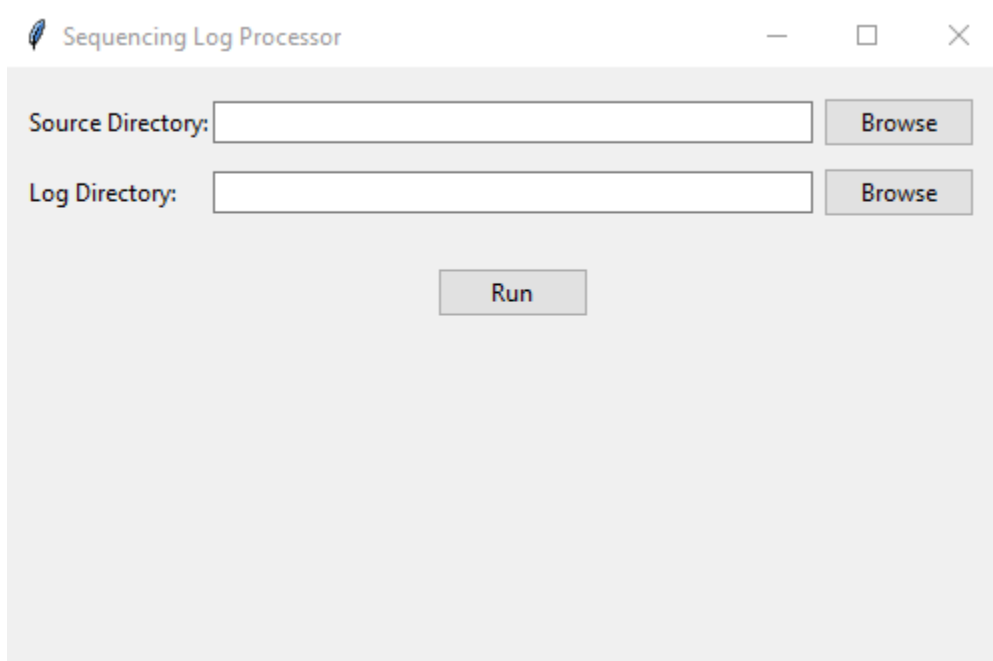
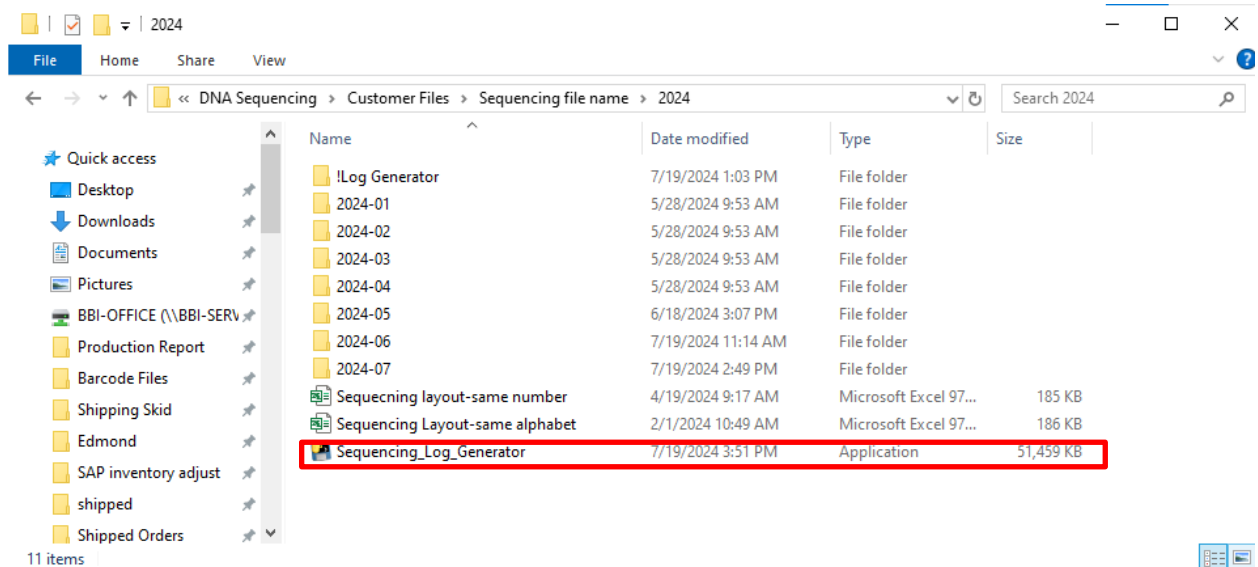


2. Launch the Application

Run the script to open the graphical user interface (GUI).

File Name: Sequencing_Log_Generator.exe

File Path: Z:\DNA Sequencing\Customer Files\Sequencing file name\2024



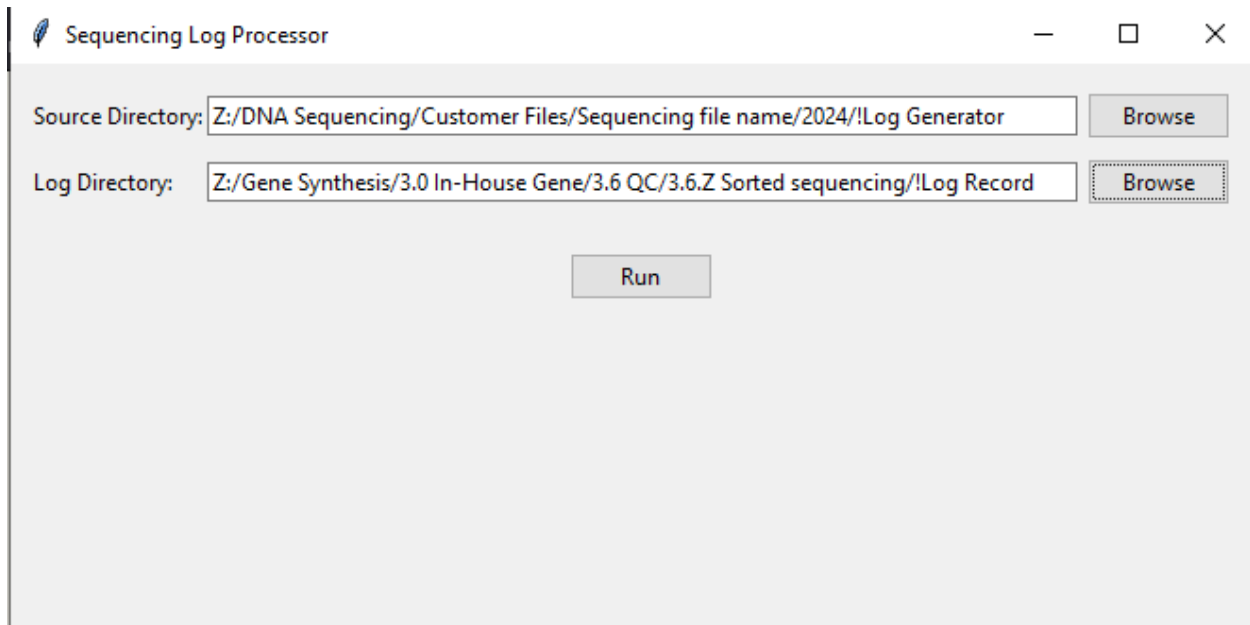
3. Set Up Directories –

****Source Directory**:** Click "Browse" to select the folder containing the Excel files to be processed.

Z:\DNA Sequencing\Customer Files\Sequencing file name\2024\!Log Generator

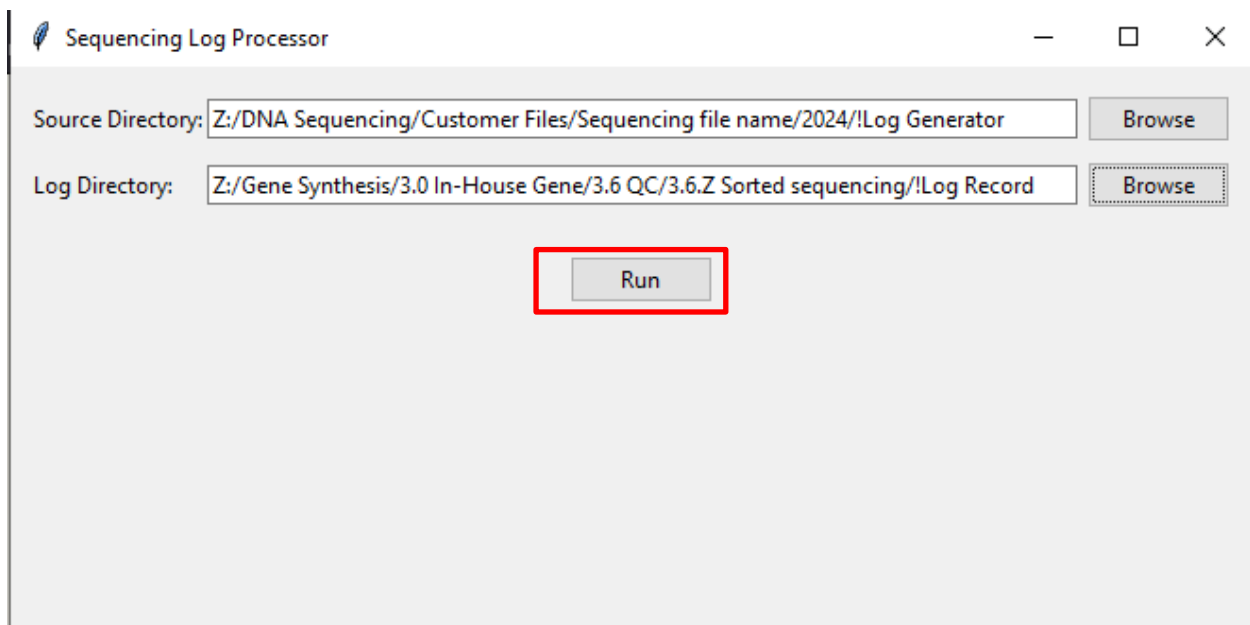
****Log Directory**:** Click "Browse" to choose where the output log file will be saved.

Z:\Gene Synthesis\3.0 In-House Gene\3.6 QC\3.6.Z Sorted sequencing\!Log Record



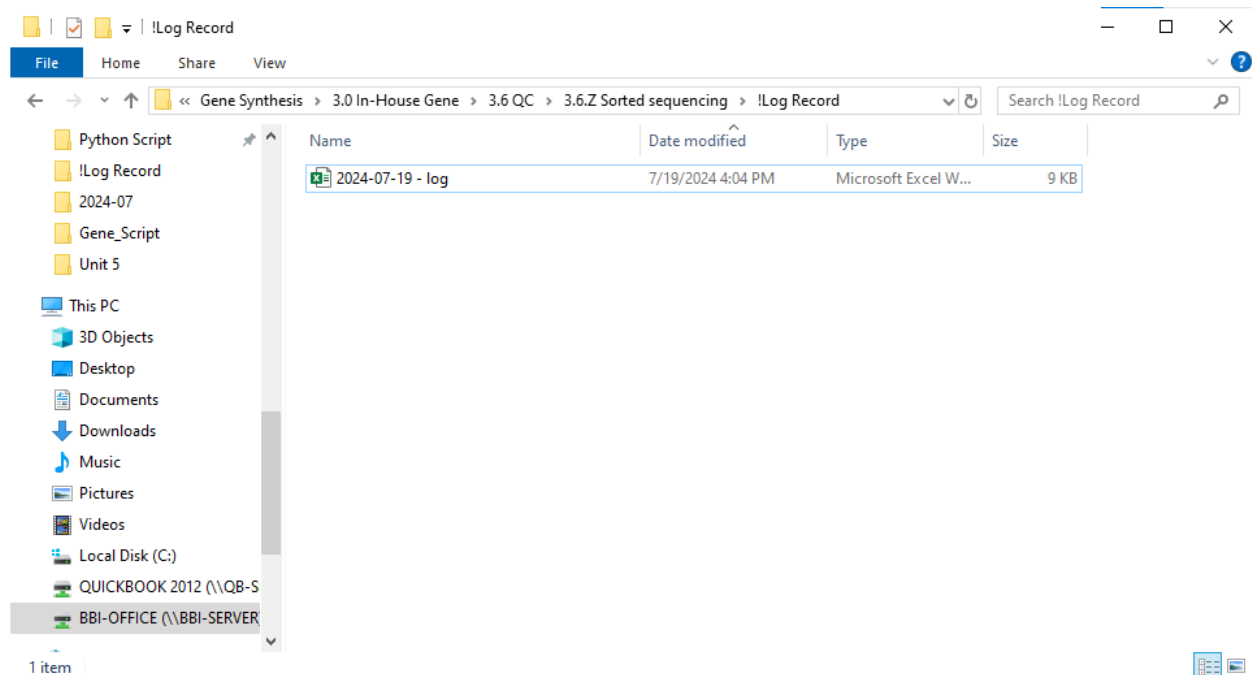
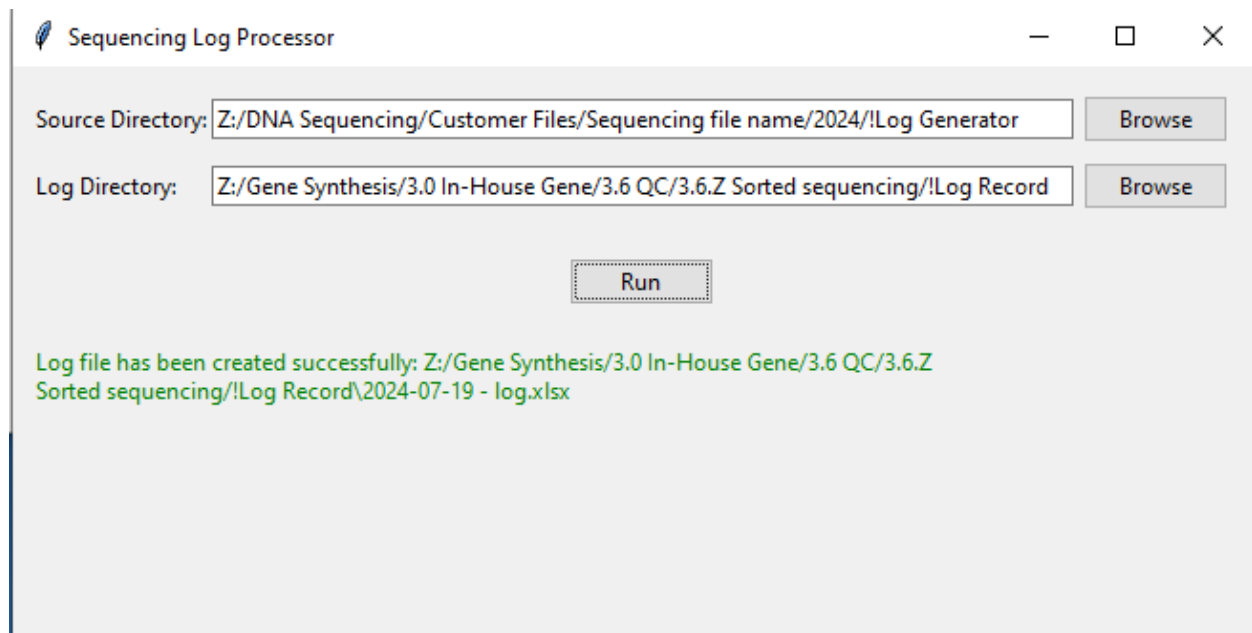
The screenshot shows a window titled "Sequencing Log Processor". It contains two text input fields. The first field is labeled "Source Directory:" and contains the path "Z:/DNA Sequencing/Customer Files/Sequencing file name/2024/!Log Generator". To its right is a "Browse" button. The second field is labeled "Log Directory:" and contains the path "Z:/Gene Synthesis/3.0 In-House Gene/3.6 QC/3.6.Z Sorted sequencing/!Log Record". To its right is another "Browse" button. Below these fields is a central "Run" button.

4. Run the Process - Click the "Run" button to start processing the files.



This screenshot is identical to the previous one, showing the "Sequencing Log Processor" window with the same directory paths. The "Run" button is now highlighted with a red rectangular border, indicating it should be clicked to start the process.

5. Check Results - The status of the operation will be displayed at the bottom of the window. - If successful, it will show the path of the created log file.



2024-07-19 - log - Excel

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	A	B	C	D	E	F	G	H	I
1	Seq Plate	older nam	Job ID	Vector ID	BBID	Sg SS OK	Sg DS OK	Sg Mutation or FAIL	Sg Primer to repeat
2	P1905395	ZV246043	ZV246043	S715P1F1X2					
3	P1905395	ZV246044	ZV246044	S715P1G1X2					
4	P1905395	ZV246044	ZV246044	S715P1H1	WGK0154KSP-013				
5	P1905395	ZV246044	ZV246044	S715P1A2X2					
6	P1905395	ZV246044	ZV246044	S715P1B2X2					
7	P1905395	ZV246044	ZV246044	S715P1C2X2					
8	P1905395	ZV246044	ZV246044	S715P1D2X2					
9	P1905395	ZV246044	ZV246044	S715P1E2X2					
10	P1905395	ZV246045	ZV246045	S715P1F2X2					
11	P1905395	ZV246045	ZV246045	S715P1G2X2					
12	P1905395	ZV246043	ZV246043	S715P1A1X2					
13	P1905395	ZV246045	ZV246045	S0716P3C1B					
14	P1905395	ZV246043	ZV246043	S715P1C1X2					
15	P1905395	ZV246043	ZV246043	S715P1D1X2					
16	P1905395	ZV246058	ZV246058	S0716P3D1B					
17	P1905396	ZV246046	ZV246046	S715P1F3X2					
18	P1905396	ZV246046	ZV246046	S715P1G3X2					
19	P1905396	ZV246053	ZV246053	S0716P3G1B					
20	P1905396	ZV246046	ZV246046	S0715P3A4					
21	P1905396	ZV246046	ZV246046	S715P1B4X2					
22	P1905396	ZV246046	ZV246046	S715P1C4X2					
23	P1905396	ZV246046	ZV246046	S715P1D4X2					
24	P1905396	ZV246047	ZV246047	S715P1E4	WGK0154KSP-041				
25	P1905396	ZV246047	ZV246047	S0715P3F4					
26	P1905396	ZV246047	ZV246047	S715P1G4X2					
27	P1905396	ZV246045	ZV246045	S715P1A3X2					
28	P1905396	ZV246045	ZV246045	S715P1B3X2					
29	P1905396	ZV246045	ZV246045	S715P1C3	WGK0154KSP-027				
30	P1905396	ZV246045	ZV246045	S715P1D3X2					
31	P1905396	ZV246045	ZV246045	S715P1E3X2					
32	P1905397	ZV246048	ZV246048	S715P1F5X2					
33	P1905397	ZV246048	ZV246048	S715P1G5X2					
34	P1905397	ZV246048	ZV246048	S715P1H5X2					
35	P1905397	ZV246048	ZV246048	S715P1A6X2					
36	P1905397	ZV246048	ZV246048	S715P1B6X2					
37	P1905397	ZV246057	ZV246057	S0716P3B2B					
38	P1905397	ZV246049	ZV246049	S715P1D6X2					

Combined Log