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MANUSCRIPT CITATION:
Morrell, William C., et al. "The experiment data depot: a web-based software tool for biological experimental data storage, sharing, and visualization." ACS synthetic biology 6.12 (2017): 2248-2259.

Experiment Data Depot (EDD) Data Import

Forked from Experiment Data Depot (EDD) Study Creation

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We use this protocol and it's working

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ABSTRACT

This protocol details how to import data into an EDD Study. Data can be shared with collaborators via exported CSV files or through the REST API.

For more information about the EDD visit: Experiment Data Depot Google Site.

Citation:
Morrell, William C., et al. "The experiment data depot: a web-based software tool for biological experimental data storage, sharing, and visualization." ACS synthetic biology 6.12 (2017): 2248-2259. (link to publication)

Example Links:
https://public-edd.agilebiofoundry.org/
https://public-edd.agilebiofoundry.org/s/example-data-quality-study-2/overview/

MATERIALS

Example proteomics data import file:

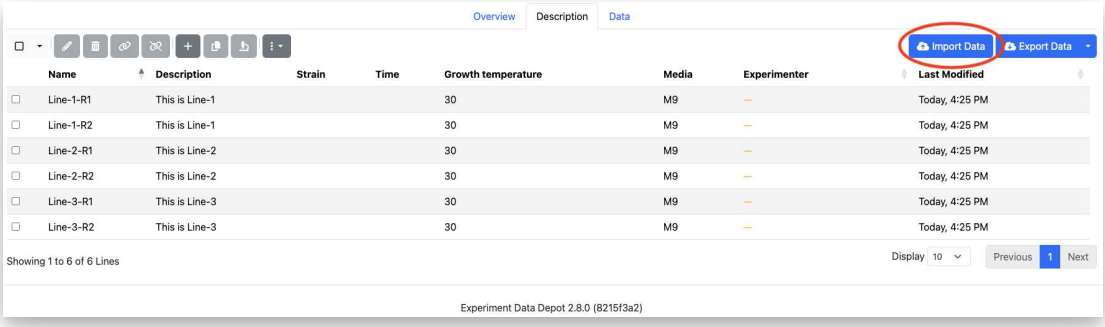
Example Proteomics data (1).xlsx

BEFORE START INSTRUCTIONS

The following instructions show you how to import data for proteomics and metabolomics.

Create an EDD study (EDD Study Creation protocol) before you start the data import process.

1 Click the **Import Data** button on the top right.

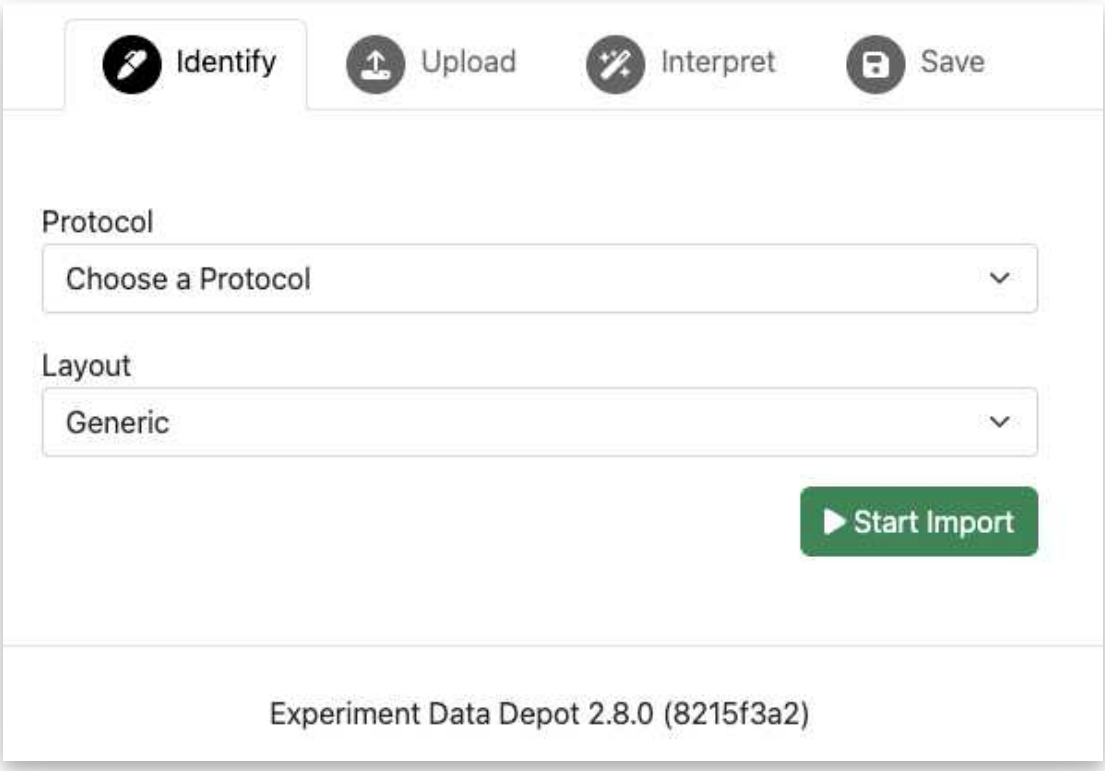


Import Data

2 Go through the set of data import steps:

Identify what protocol was used. Click **Shotgun (Discovery) Proteomics.**
Select the layout of your data. Click **Generic**.

Click **Start Import** on the bottom right.



Note

Repeat for each data type you want to import into the EDD.

3 Example data layouts:

Here, we have measured the amount of protein "XYLA_ECODH", metabolite "D-Limonene", and extracellular "D-Glucose" for sample "181-aceF" in triplicates at time "12" hours.

	A	B	C	D	E
	Line Name	Measurement Type	Time	Value	Units
	181-aceF-R1	sp|B1X8I1|XYLA_ECODH	12	2795	counts
	181-aceF-R2	sp|B1X8I1|XYLA_ECODH	12	2611	counts
	181-aceF-R3	sp|B1X8I1|XYLA_ECODH	12	2155	counts

Proteomics Example Data File

Example Proteomics data.xlsx

	A	B	C	D	E
	Line Name	Measurement Type	Time	Value	Units
	181-aceF-R1	CID:440917 D-Limonene	12	0.079585069	mM
	181-aceF-R2	CID:440917 D-Limonene	12	3.712638406	mM
	181-aceF-R3	CID:440917 D-Limonene	12	0.416450273	mM

Metabolomics Example Data File

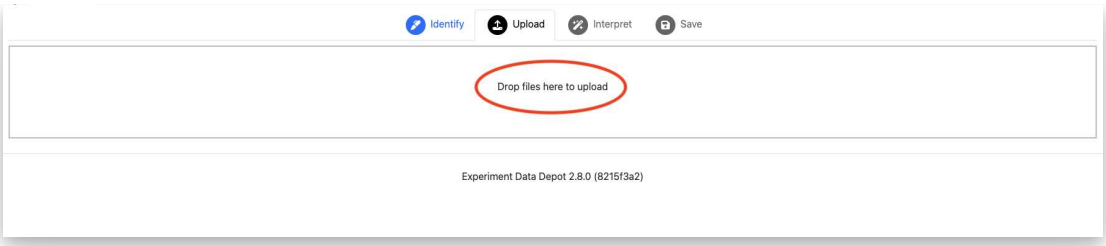
Example Metabolomics data.xlsx

	A	B	C	D	E
	Line Name	Measurement Type	Time	Value	Units
	181-aceF-R1	CID:5793 D-Glucose	12	22.07066865	g/L
	181-aceF-R2	CID:5793 D-Glucose	12	21.84441193	g/L
	181-aceF-R3	CID:5793 D-Glucose	12	21.45756405	g/L

HPLC Example Data File

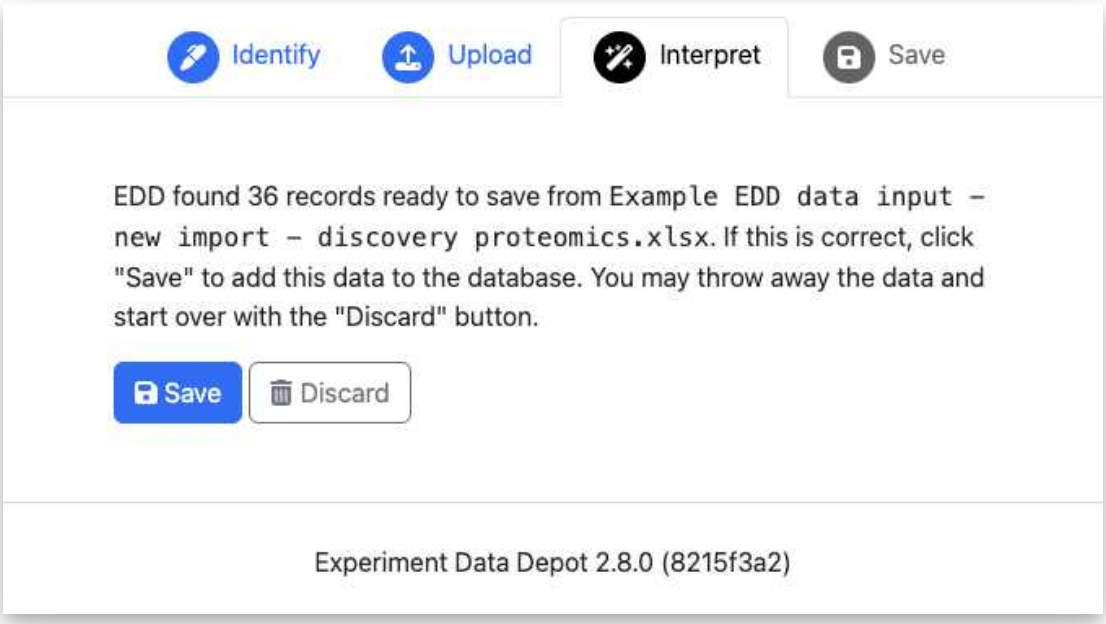
Example HPLC aceF.xlsx

Drag-and-drop to upload data file into the dropzone box.

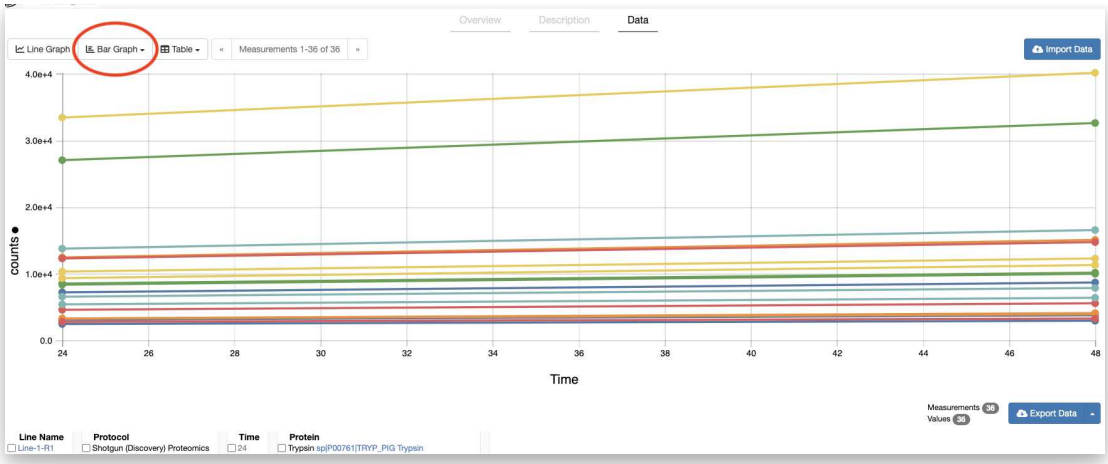


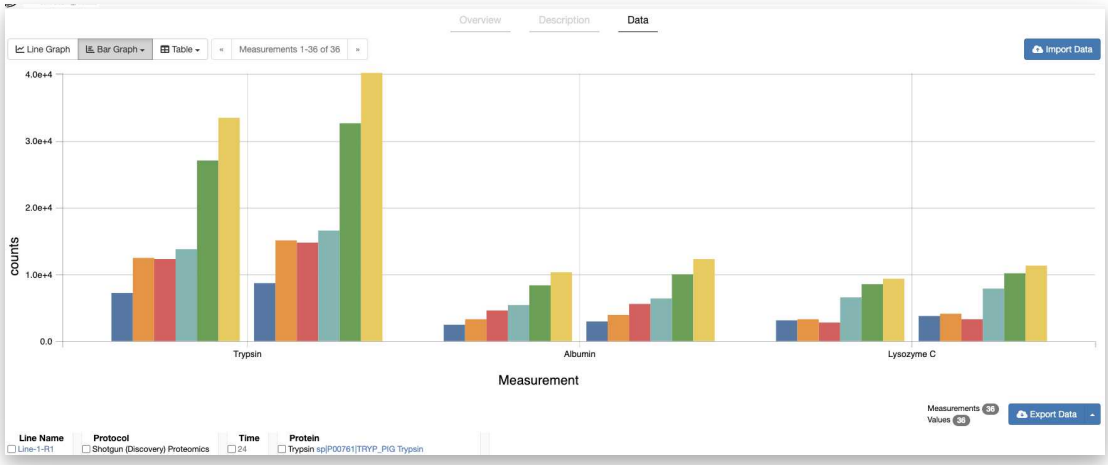
Drag data file (.xlsx) to the dropzone

4 After the EDD interprets the file it will calculate the number of records to save. Check that this is correct, then click the **Save** button.



5 Once the data is uploaded, the EDD will bring you to the **Data** page in the **Line graph** view. You can toggle to the **Bar Graphs**.





6 Repeat the Data Import process for other data types.