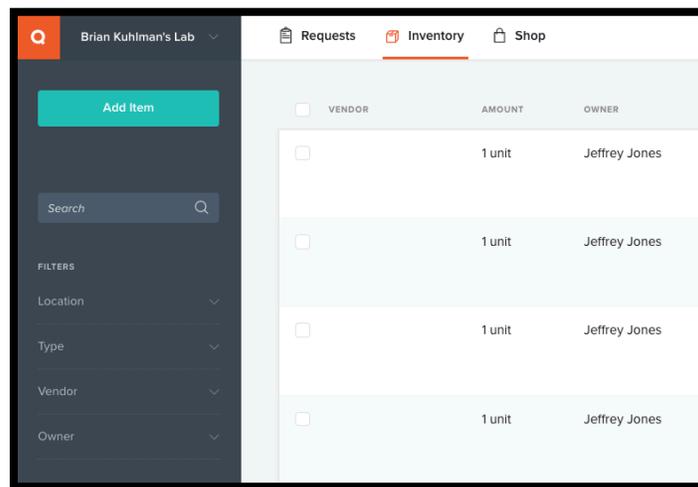


How work-study students and lab members navigate and edit the online Quartzzy database

Introduction | The Kuhlman Lab uses Quartzzy as an online database for cataloging plasmid inventory information and managing inventory space. Ideally, the Quartzzy database contains only information on plasmids which are physically present in the -20 °C Kuhlman Lab refrigerator.

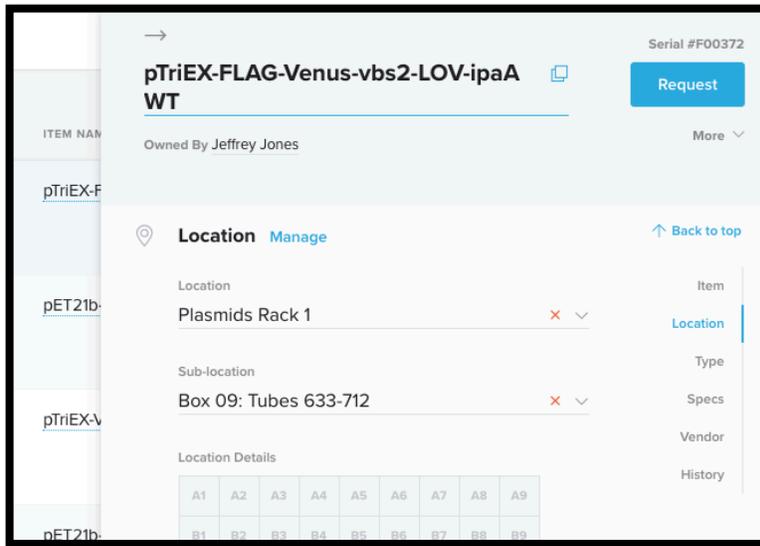
Quartzzy Navigation | To find plasmids in the inventory, make sure to first navigate to the “inventory” tab, located at the top of the page.



Clicking on the “Item Name” of an entry, or the second to last column, will open a new panel on the right where the information can be edited directly.

The screenshot shows a detailed view of the Quartzzy database interface. The top navigation bar includes 'Inventory' and 'Shop' tabs, along with a search bar. Below is a table with the following columns: AMOUNT, OWNER, ADDED, LOCATION, TYPE, UNIT SIZE, ITEM NAME, and LOT #. The table contains three rows of data.

AMOUNT	OWNER	ADDED	LOCATION	TYPE	UNIT SIZE	ITEM NAME	LOT #
1 unit	Jeffrey Jones	Oct 21, 2013	Plasmids Rac... Box 09: Tubes 6... I7	Plasmid		pTriEX-FLAG-Venus-vbs2-LOV-ipaA WT	711
1 unit	Jeffrey Jones	Oct 21, 2013	Plasmids Rac... Box 09: Tubes 6... H6	Plasmid		pET21b-LOV-ipaA V416I L496I	701
1 unit	Jeffrey Jones	Oct 21, 2013	Plasmids Rac... Box 09: Tubes 6... G8	Plasmid		pTriEX-Venus	694



Basic Quartzzy Inventory Logic | In the Kuhlman Lab, all plasmids receive a “Quartzzy Number” as soon as they are added to the database, assigned by a work-study student or the lab manager. This gives every plasmid a unique ID which is found on tube lids and labels. Unfortunately, there is no “Quartzzy Number” field on the Quartzzy website. In the past, the “Alternate Name” field has been used for this purpose, yet this name cannot be used to organize the plasmids on the website. Since Quartzzy gives its own “Serial Number” to the plasmids, that too is unhelpful. Instead, the “Lot #” field has been chosen to contain the “Quartzzy Number”, since it can be used to sort plasmids

Can I have my own private inventory stock on the Quartzzy website? | No, however it is possible to add your own tags (such as ‘HisCat_Design’) to the “Notes” section to plasmids related to your own projects. Then, you can use the Quartzzy search feature to find all plasmids that contain that tag. The major downside of this method is that if you have a project with many plasmids it becomes very cumbersome to change the tag.