

A photograph of a yellow concrete ledge with two metal handrails, set against a bright blue background. The handrails are made of dark metal and are mounted on the ledge. The concrete has some visible cracks and texture. The blue background is a solid, vibrant color.

STOCKS Training: The lab inventory
Charles Girardot
Genome Biology Computational Support (GBCS)

The different item categories of the STOCKS Inventory

Welcome, Charles Girardot

STOCKS
v1.27.0 (≡ v1.22.0)

Import datasets ▼

- CONSUMABLES
 - Antibody
 - Chemical
 - Plasmid
 - Oligo
 - Enzyme
 - Protein
 - Media/Buffer
 - Slide
 - Other
 - All
- EQUIPMENT
- STORAGE EQUIPMENT
- SPECIMEN
- BIOMATERIALS
- PROTOCOLS
- LAB NOTEBOOK
- ASSAYS
- DATASET MANAGEMENT

- **Consumables:** antibodies, plasmids, oligos...
 - The material consumed (or produced) during your experiments
 - **Equipment:** sequencers, microscopes, centrifuges...
 - Those can be lab-specific or common
 - **Storage equipment:** fridges, freezers, cryogenics...
 - Equipment used to store other STOCKS items
 - **[Specimen]:** cell line, fly lines, strains...
 - The living biomaterial from which your samples are coming from
- **Specimen, Biomaterial** (samples) and **Datasets** could also be seen as inventory collections
- Share many aspects with consumables and (storage) equipment
 - Add many aspects that make them apart from “basic” inventory

New types can easily be added to the inventory collections

Welcome, Charles Girardot



v1.27.0 (≡ v1.22.0)

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- 📋 PROTOCOLS
- 📓 LAB NOTEBOOK
- 🧪 ASSAYS
- 📁 DATASET MANAGEMENT

- Your **admin** can define new types under the consumables, (storage) equipment & specimen categories
- The **Other** type is available in most categories (*not in specimen*) to store items that do not fit any types
- The **All** menu lists all items of the enclosing category independently of their types
 - Only the **Basic properties** can then be listed

Common and type-specific properties, additional sections

Each item is composed:

- **Basic properties** of its category (e.g. consumables)
- **Custom or type-specific properties** make this item type specificity

The screenshot displays a web interface for a plasmid item. The left panel shows 'Item details' for 'pETYZ-Met-V7W-C43A-G143C'. The right panel shows additional sections: 'Annotations', 'Attachments', 'Notes', and 'Orders'. The 'Notes' section contains a note from 'girardot' at 11:07 stating 'also used in Nature paper'. The 'Orders' section is currently empty.

Permissions			
	View	Edit	Delete
Groups			
Computational Support Genome Biology	✓	✓	
Users			
girardot	✓	✓	✓

Sections only available after creation

Noticeable common properties and behavior

CONSUMABLES - PLASMID

pETYXZ-Met-V7W-C43A-G143C

Item details

ID	871c8e97-b33e-4646-9dac-3c5f0bd00785
Vector	pETYXZ
Vector Size	5498 bp
Antibiotic Resistance	arbekacin , amoxicillin (synonym of co-amoxiclav) , azlocillin
Insert details	Met-V7W-C43A-G143C
Insert Size	88 bp
Insert 5p RE	AarI
Insert 3p RE	AvrII
Insert sequence	catcccgcattgttcaccgacccatcgcctgctccagacctgatcggtatgggcaaatccgacaaacca gacctgggtattttctcgacgaccacgtccgcttcattgg
Code	#1215687
Origin/Vendor	My Lab
Catalogue #	—
Lot #	—
Concentration/Amount	245 ng/µl
Expiration date	
Description	this is how I cloned this construct ...blah blah
Storage Conditions	—
Stock locations	1. Box 6:C03, MR 52 freezers/ fridges/ liq N2
Status	AVAILABLE
Maintained	<input checked="" type="checkbox"/> yes
Responsible Person	girardot
Produced	2022-09-04
Owner	girardot
Owned by Group	Computational Support Genome Biology
Modified	2022-09-21 11:05:56
Created	2022-09-21 11:03:10
Permissions	

	View	Edit	Delete
Groups			
Computational Support Genome Biology	✓	✓	
Users			
girardot	✓	✓	✓

- ✓ **ID:** are UUID
- ✓ **Name:** does not need to be unique => use informative names
- ✓ **Code:** unique code for type + group (when provided)
- ✓ **Stock locations:** items can have multiple storage locations.
- ✓ **Status:** inform about the availability of this item
- ✓ **Maintained:** yes/no => if *not maintained*, the item cannot be renewed if *status is not available*
- ✓ **Owner & Owned by Group:** users may belong to different groups.
- ✓ **Permissions:** allow to share (with view, edit & delete permissions) with individual(s), group(s) or *set public* (visible to all STOCKS users)

Items can have multiple storage location

The screenshot shows a web application interface for managing items. The main form includes the following fields:

- ID: 871c8e97-b33e-4646-9dac-3c5f0bd00785
- Vector: pETYXZ
- Vector Size: Value 5498, Unit bp
- Antibiotic Resistance: arbekacin, amoxicillin (synonym of co-amoxiclav), azlocillin
- Insert details: Met-V7W-C43A-G143C
- Insert Size: Value 88, Unit bp
- Insert 5p RE: Aarl
- Insert 3p RE: Avrll
- Insert sequence: catcccgcatgttgaccgaccgacgggttatttcttcgacgaccacgt
- Code: #1215687
- Origin/Vendor: My Lab
- Catalogue #:
- Lot #:
- Concentration/Amount: 245 ng/μl
- Expiration date:
- Description: this is how I cloned this construct ...blah blah
- Storage Conditions:
- Stock locations: + Add a stock location, Box 6:C03, MR 52 freezers/ fridges/ liq N2

The 'Edit stock location' modal window contains the following fields:

- Location: MR 52 freezers/ fridges/ liq N2
- Container Type: Box
- Container Name: Box 6
- Container Position: C03
- Description: third drawer from top
- OK button

- **Location:**
 - The only mandatory field
 - Can be a **room** (defined by the admin) or a **storage equipment**
- **Container:** adds more details on how the item is stored
 - Type: Box, 96-well plate, tube ...
 - Types can be added by the admin
 - Name: of the container
 - Position: in this container when relevant
- **Description:** free text to give more details

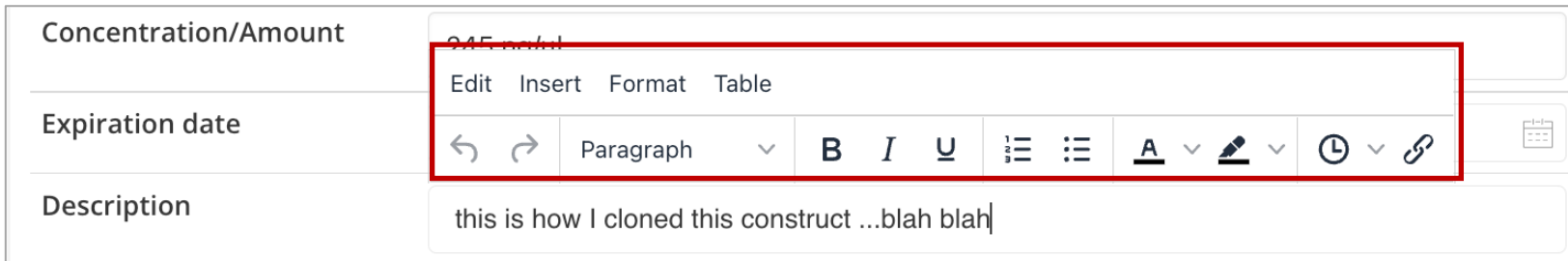
Locations are purely declarative:

- STOCKS does not operate any checks (at the moment)

The description field offers a rich text editor

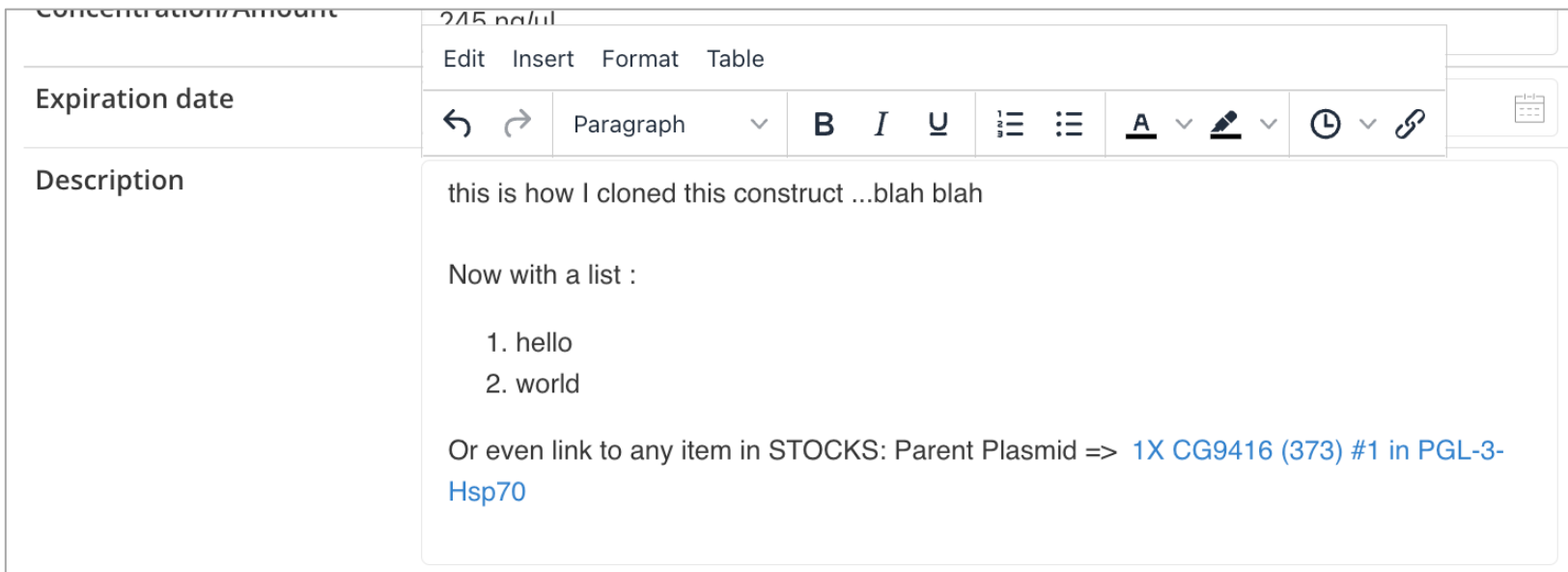
1. Clicking in the input field enables the editor...

Concentration/Amount	245 mg/ml
Expiration date	
Description	this is how I cloned this construct ...blah blah



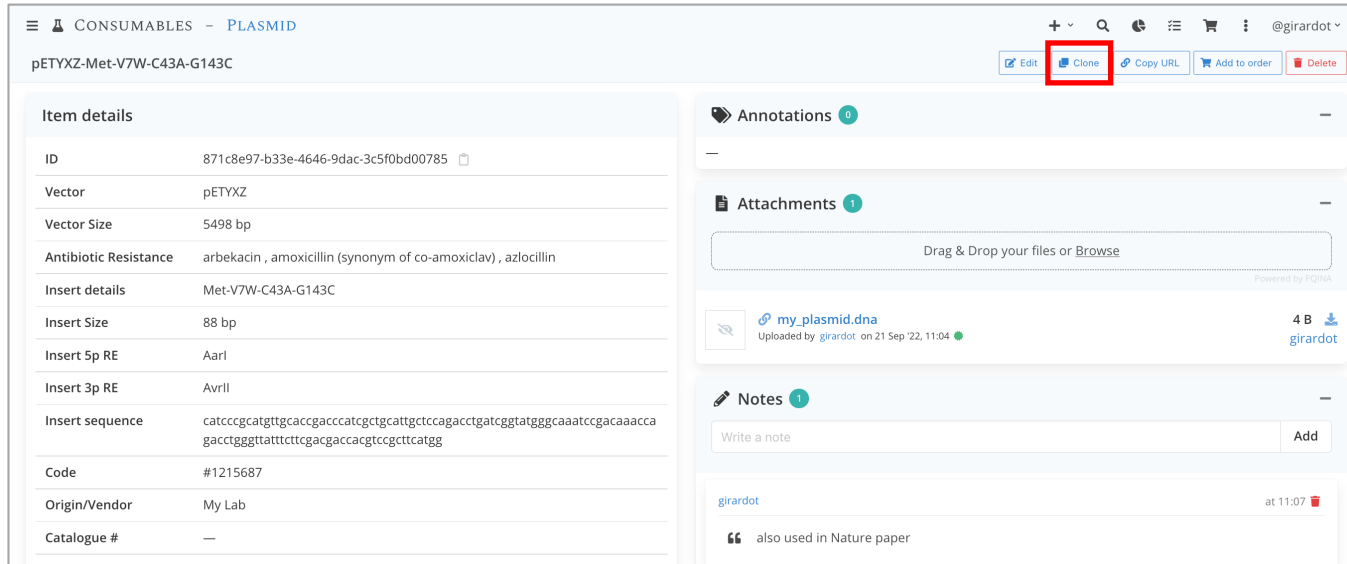
2. Multi-line structured text with lists and tables can be assembled. Link to items stored in STOCKS can be added !

Concentration/Amount	245 mg/ml
Expiration date	
Description	this is how I cloned this construct ...blah blah Now with a list : 1. hello 2. world Or even link to any item in STOCKS: Parent Plasmid => 1X CG9416 (373) #1 in PGL-3-Hsp70



These links are like HTML links i.e. STOCKS do NOT know about this relationship

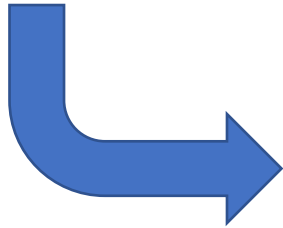
Cloning items also enables item templating



The screenshot shows a web interface for managing plasmids. The top navigation bar includes a menu icon, the text 'CONSUMABLES - PLASMID', and a user profile '@girardot'. Below the navigation, the item name 'pETYXZ-Met-V7W-C43A-G143C' is displayed. A toolbar contains buttons for 'Edit', 'Clone' (highlighted with a red box), 'Copy URL', 'Add to order', and 'Delete'. The main content area is divided into two columns. The left column, titled 'Item details', contains a table with the following information:

Item details	
ID	871c8e97-b33e-4646-9dac-3c5f0bd00785
Vector	pETYXZ
Vector Size	5498 bp
Antibiotic Resistance	arbekacin , amoxicillin (synonym of co-amoxiclav) , azlocillin
Insert details	Met-V7W-C43A-G143C
Insert Size	88 bp
Insert 5p RE	AarI
Insert 3p RE	AvrII
Insert sequence	catcccgatggtgcaccgacccatcgctgattgctccagacctgacggatgggcaaatccgacaaacca gacctggattattcttcgacgaccacgctcccttcctg
Code	#1215687
Origin/Vendor	My Lab
Catalogue #	—

The right column contains three sections: 'Annotations' (0 items), 'Attachments' (1 item), and 'Notes' (1 item). The 'Attachments' section shows a file named 'my_plasmid.dna' (4 B) uploaded by 'girardot' on 21 Sep '22, 11:04. The 'Notes' section shows a note starting with 'also used in Nature paper'.



- Duplicates the item
- Ownership are adjusted to logged in user
- Notes & Attachments are omitted
- If present the **code** should be adapted

The cloning feature can also be used to initiate item creation from templates

- Item content may be enriched with structured description field
- Such template items can be group- or user-specific

Annotations, Attachments and Notes are globally available


Annotations 7


Compound Dose	100 ng/ml
SampleType	fresh_sample
GeneticModification	transgenic
IndividualGeneticCharacteristics	dCas9-GCN4, Dnmt3a3L-CDscFV
Compound	doxycycline
CellType	mESC
CellLine	ESC with stable integration of dCas9-GCN4, Dnmt3a3L-CDscFV and gRNA against Hbby locus

Attachments 1

Drag & Drop your files or [Browse](#)

Powered by PQINA

[my_plasmid.dna](#)
Uploaded by [girardot](#) on 21 Sep '22, 11:04

4 B  [girardot](#)

Notes 1

Write a note

[girardot](#) at 11:07 

“ also used in Nature paper

- **item properties** are meant to be **universally relevant**
- **annotations** let you describe aspects relevant *to you or your group* ; or that are project specific
- Files can be attached to any item
- **Office documents** can be **edited online** (permissions of the enclosing item apply)
- Notes are like comments on social media
- Can be added on items you can **view**
- Only the note's owner can delete a comment

(EMBL) Policy on item type creation

- We want to maintain a **unique item type definition** for all
 - *i.e. don't want to have a different plasmid definition for each group*
- We only add new item properties when they are **relevant for most people**
 - *else the annotation system should be used*
- We can easily add **missing options** for CV controlled fields
 - *get in touch with your admin*
- Contact your admin to add **missing rooms**.
 - *We need the room number, a nice name (e.g. Furlong Lab) and the building name*
- Contact your admin to register **common resources**
 - *or make sure to register it once only and set it public*

The list page centralizes many functionality

The screenshot shows a web application interface for 'CONSUMABLES - PLASMID'. The interface includes a sidebar with a navigation menu, a main content area with a table of items, and a top navigation bar. Red arrows point to specific features:

- Create a new item of the listed type, here Plasmid:** Points to the '+ New plasmid' button.
- Page Navigation:** Points to the pagination controls (1, 2, 3, ..., 339, 340, 341).
- Column Options e.g. sorting:** Points to the 'Code' column header, which has a sorting icon.
- List Size:** Points to the '1 - 10 of 3409' dropdown menu.
- Actions & Customization:** Points to a toolbar containing icons for search, download, upload, share, delete, and other actions.

The main content area displays a table with the following columns: Name, Created, Code, Status, Antibiotic Resistance, Stock locations, and Description. The table contains several rows of plasmid data, including '1X Blow B1 in PGL-3-Hsp70', '1X Blow B2 in PGL-3-Hsp70', '1X Blow B in PGL-3-Hsp70', '1X CG30035 #1 in PGL-3-Hsp70', '1X CG5080 #1 in PGL-3-Hsp70', '1X CG9416 (373) #1 in PGL-3-Hsp70', '1X gol #6 in PGL-3-Hsp70', '#25 pCaSpeR4 - sv40 polyA+', '267_Mammals_OR3-GFP', and '279_ANCH3'.

Name	Created	Code	Status	Antibiotic Resistance	Stock locations	Description
<input type="checkbox"/> 1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X CG9416 (373) #1 in PGL-3-Hsp70	2017-12-12 16:40:42	1017	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> 1X gol #6 in PGL-3-Hsp70	2017-12-12 16:40:41	1016	AVAILABLE	—		Found in Paulo's stocks Probably
<input type="checkbox"/> #25 pCaSpeR4 - sv40 polyA+	2017-12-12 16:32:27	27	AVAILABLE	ampicillin		Plasmid size unknown
<input type="checkbox"/> 267_Mammals_OR3-GFP	2017-12-12 16:42:26	1489	AVAILABLE	kanamycin		From Kirsten Bystrycky's lab. Receiv
<input type="checkbox"/> 279_ANCH3	2017-12-12 16:42:26	1490	AVAILABLE	ampicillin		From Kirsten Bystrycky's lab. Receiv

Powerful search and filtering on every list page

The screenshot displays the STOCKS web application interface. The main content area shows a list of plasmids under the heading "CONSUMABLES - PLASMID". A search bar at the top contains the text "Free text search" and is highlighted with a yellow box. To the right of the search bar, there is an "Ownership selector" with options "All", "Group", and "Personal", where "All" is selected and highlighted with a red box. Below the search bar, there are pagination controls showing "1 - 10 of 216" and a filter icon with "(2)".

The table below has several columns: Name, Created, Code, Status, Antibiotic Resistance, and Stock locations. The "Name" column has a dropdown menu with "CRM" selected. The "Antibiotic Resistance" column has a dropdown menu with "amp" selected. A green box highlights the search and filter elements, with the text "Column Filters" written in green. The table lists several plasmids, all with a status of "AVAILABLE" and "ampicillin" as the antibiotic resistance.

Name	Created	Code	Status	Antibiotic Resistance	Stock locations
<input type="checkbox"/> CRM	From To	free text search	Select option	amp	Column Filters
<input type="checkbox"/> CRM1149_antisense_dualEP_attB	2017-12-19 13:17:49	2260	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1149_sense_dualEP_attB	2017-12-19 13:17:48	2259	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1202_antisense_dualEP_attB	2017-12-19 13:17:30	2228	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1202_sense_dualEP_attB	2017-12-19 13:17:30	2227	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1594_antisense_dualEP_attB	2017-12-19 13:17:29	2226	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1594_sense_dualEP_attB	2017-12-19 13:17:29	2225	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM226	2017-12-12 16:41:43	1290	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM227	2017-12-12 16:41:38	1271	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM228	2017-12-12 16:41:39	1272	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM2342	2017-12-12 16:41:43	1291	AVAILABLE	ampicillin	

Visual indications when filters are active

Drop all active column filters

Indicates active column filter

Number of active column filters

The screenshot shows the STOCKS PLASMID interface. The table has columns: Name, Created, Code, Status, Antibiotic Resistance, and Stock locations. The Name, Antibiotic Resistance, and Stock locations columns have active filters. A red box highlights the filter icon in the Name column header. Another red box highlights the filter icon in the Antibiotic Resistance column header. A third red box highlights the filter icon in the Stock locations column header. A fourth red box highlights the filter count indicator '(2)' in the top right corner of the table area. A red arrow points from the text 'Drop all active column filters' to the filter icon in the Name column header. Another red arrow points from the text 'Indicates active column filter' to the filter icon in the Antibiotic Resistance column header. A third red arrow points from the text 'Number of active column filters' to the filter count indicator '(2)'. The table data is as follows:

Name	Created	Code	Status	Antibiotic Resistance	Stock locations
<input type="checkbox"/> CRM	From To	free text search	Select option	amp	free text search
<input type="checkbox"/> CRM1149_antisense_dualEP_attB	2017-12-19 13:17:49	2260	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1149_sense_dualEP_attB	2017-12-19 13:17:48	2259	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1202_antisense_dualEP_attB	2017-12-19 13:17:30	2228	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1202_sense_dualEP_attB	2017-12-19 13:17:30	2227	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1594_antisense_dualEP_attB	2017-12-19 13:17:29	2226	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM1594_sense_dualEP_attB	2017-12-19 13:17:29	2225	AVAILABLE	ampicillin	Furlong Freezer B (-20)
<input type="checkbox"/> CRM226	2017-12-12 16:41:43	1290	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM227	2017-12-12 16:41:38	1271	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM228	2017-12-12 16:41:39	1272	AVAILABLE	ampicillin	
<input type="checkbox"/> CRM2342	2017-12-12 16:41:43	1291	AVAILABLE	ampicillin	

Extended Table Customization features

Sort table using this property

Add annotations to table

Open Table Configurator

Set configuration as **your** new default i.e.

- Column Order & Sorting
- Column visibility
- List Size
- Ownership filter
- Search & Filters

The screenshot shows a table titled 'CONSUMABLES - PLASMID' with columns: Name, Created, Code, Status, Antibiotic Resistance, Stock locations, and Description. A red box highlights the column header 'Code', which contains icons for sorting (↔), moving (⇐), and hiding (✕). Red arrows point from these icons to the text 'Sort table using this property', 'Manually move the column', 'Set column as first column', and 'Hide column'. Another red arrow points from the top right of the table to the text 'Add annotations to table'. A third red arrow points from the top right of the table to the text 'Open Table Configurator'. A fourth red arrow points from the top right of the table to the text 'Set configuration as your new default i.e.'. The table contains 10 rows of data, including plasmid names like '1X Blow B1 in PGL-3-Hsp70' and '267_Mammals_OR3-GFP'.

Name	Created	Code	Status	Antibiotic Resistance	Stock locations	Description
1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	—		Found in Paulo's stocks Probably
1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	—		Found in Paulo's stocks Probably
1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	—		Found in Paulo's stocks Probably
1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	—		Found in Paulo's stocks Probably
1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	—		Found in Paulo's stocks Probably
1X CG9416 (373) #1 in PGL-3-Hsp70	2017-12-12 16:40:42	1017	AVAILABLE	—		Found in Paulo's stocks Probably
1X gol #6 in PGL-3-Hsp70	2017-12-12 16:40:41	1016	AVAILABLE	—		Found in Paulo's stocks Probably
#25 pCaSpeR4 - sv40 polyA+	2017-12-12 16:32:27	27	AVAILABLE	ampicillin		Plasmid size unknown
267_Mammals_OR3-GFP	2017-12-12 16:42:26	1489	AVAILABLE	kanamycin		From Kirsten Bystricky's lab. Rece
279_ANCH3	2017-12-12 16:42:26	1490	AVAILABLE	ampicillin		From Kirsten Bystricky's lab. Recei

↔ Manually move the column
⇐ Set column as first column
✕ Hide column

Extended Table Customization features

- Both item attributes and annotations can be added in the table

Re-order visible columns

Remove from visible columns

Drag & Drop in visible columns at wanted position

Save

Name	Created	Code	Status	Description
<input type="checkbox"/> 1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	Found
<input type="checkbox"/> 1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	Found
<input type="checkbox"/> 1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	Found
<input type="checkbox"/> 1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	Found
<input type="checkbox"/> 1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	Found
<input type="checkbox"/> 1X CG9416 (373) #1 in PGL-3-Hsp70	2017-12-12 16:40:42	1017	AVAILABLE	Found
<input type="checkbox"/> 1X gol #6 in PGL-3-Hsp70	2017-12-12 16:40:41	1016	AVAILABLE	Found
<input type="checkbox"/> #25 pCaSpeR4 - sv40 polyA+	2017-12-12 16:32:27	27	AVAILABLE	Plasmid
<input type="checkbox"/> 267_Mammals_OR3-GFP	2017-12-12 16:42:26	1489	AVAILABLE	From
<input type="checkbox"/> 279_ANCH3	2017-12-12 16:42:26	1490	AVAILABLE	From

Visible columns

- Name
- Created
- Code
- Status
- Description
- Catalogue #
- Origin/Vendor
- Storage Condi...
- Stock locations
- Maintained
- Responsible Per...
- Owner
- Owned by Group
- Public

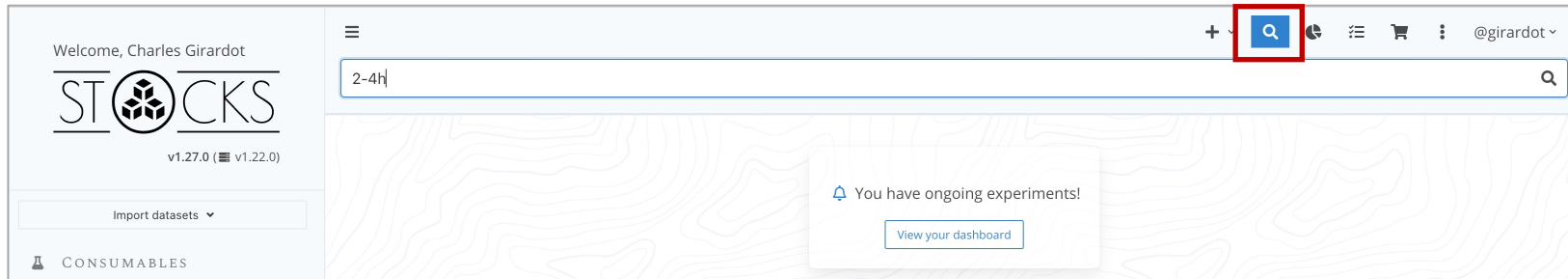
Attributes

- ID
- Type
- Vector
- Vector Size
- Antibiotic Resistance
- Insert details
- Insert Size
- Insert 5p RE

Annotations

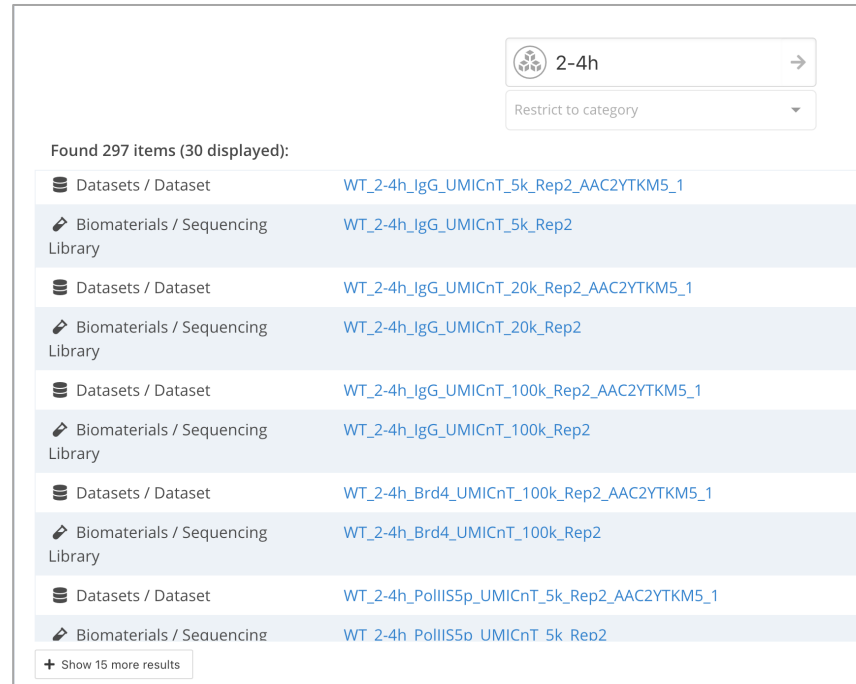
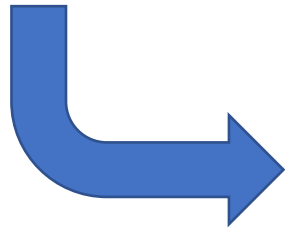
- Age
- Antibody
- Antibody Source
- AntibodyType
- Applicable Organisms
- Archives
- Array Express ID
- Assay Link

Search all items by name and UUID & Permalink



Available on all pages in App header

- Search by name only, across all items
- UUID lookup is also possible



Restrict search results

Permalink:

<https://stocks.embl.de/db01fb27-43f1-48e3-87cd-4fcd368f4a14>

Selecting items enables batch operations

CONSUMABLES - PLASMID

+ New plasmid Search All Group Personal

1 - 10 of 3409 (3 selected)

<input type="checkbox"/>	Name	Created	Code	Status	Maintained	Catalogue #
<input checked="" type="checkbox"/>	1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	✓ yes	—

Batch Edit Items

3 items selected, 3 editable details

Attributes Annotations Reset form

Attribute Status

Operation Replace Replace replaces the existing Status

Value select option Default

AVAILABLE ✓

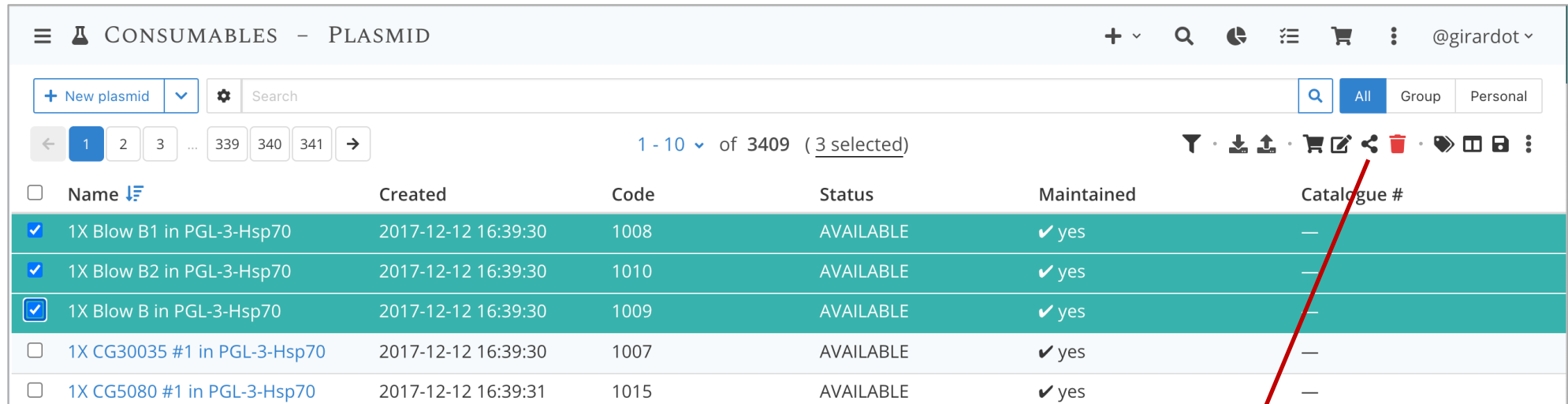
NOT_AVAILABLE ↕

Upon saving, the value of the specified value will replace the existing value

Cancel Save

- The component warns you if you do not EDIT permissions on all selected items
- Allow editing **one property** or **one annotation** at a time with the same value
- Properties accepting multiple values offer the ADD & REMOVE on top of the REPLACE operation

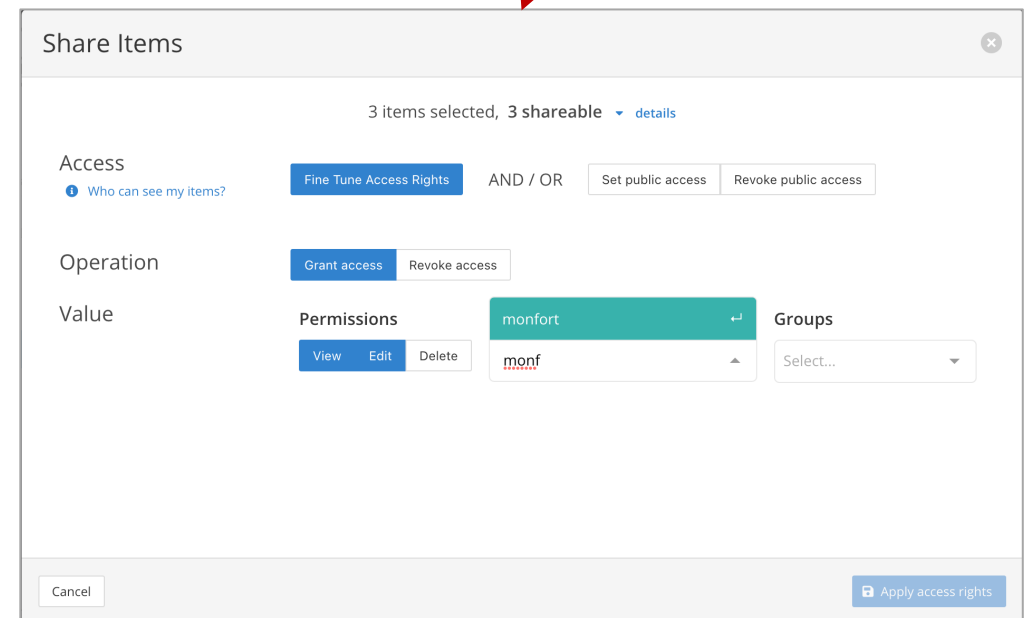
Selecting items enables batch operations



The screenshot shows a web interface for managing plasmids. At the top, it says "CONSUMABLES - PLASMID". Below that, there's a search bar and a "New plasmid" button. A table lists several plasmids with columns for Name, Created, Code, Status, Maintained, and Catalogue #. Three items are selected, indicated by blue checkmarks in the first column. A red arrow points from the "Share" icon in the top right of the table to a "Share Items" dialog box.

<input type="checkbox"/>	Name	Created	Code	Status	Maintained	Catalogue #
<input checked="" type="checkbox"/>	1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	✓ yes	—

- The component warns you if you do not EDIT permissions on all selected items
- Allow **Granting** or **Revoking** permissions to individuals or groups
- Can also be used to set or unset **Public Access**



The "Share Items" dialog box shows options for sharing 3 items. It includes sections for Access, Operation, and Value. The "Access" section has buttons for "Fine Tune Access Rights", "Set public access", and "Revoke public access". The "Operation" section has "Grant access" and "Revoke access" buttons. The "Value" section has "Permissions" (View, Edit, Delete) and "Groups" (monfort, monf, Select...). A red arrow points from the "Share" icon in the table above to the "Share Items" dialog box.

Selecting items enables batch operations

CONSUMABLES - PLASMID

+ New plasmid Search All Group Personal

1 - 10 of 3409 (3 selected)

<input type="checkbox"/>	Name	Created	Code	Status	Maintained	Catalogue #
<input checked="" type="checkbox"/>	1X Blow B1 in PGL-3-Hsp70	2017-12-12 16:39:30	1008	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B2 in PGL-3-Hsp70	2017-12-12 16:39:30	1010	AVAILABLE	✓ yes	—
<input checked="" type="checkbox"/>	1X Blow B in PGL-3-Hsp70	2017-12-12 16:39:30	1009	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG30035 #1 in PGL-3-Hsp70	2017-12-12 16:39:30	1007	AVAILABLE	✓ yes	—
<input type="checkbox"/>	1X CG5080 #1 in PGL-3-Hsp70	2017-12-12 16:39:31	1015	AVAILABLE	✓ yes	—

Please confirm

⚠ Do you really want to delete the 3 selected items?

Yes, delete Cancel

- Only items on which you have DELETE permissions will be deleted.
- A “successful” completion message does not mean that all selected items have been deleted but only that those that you could delete have been deleted

Best practices on item deletion

- Currently items are hard-deleted (== gone *forever*)
- You can soft-link any STOCKS item from
 - Experiments
 - Protocols
 - Description field

=> Deleting an item might results in dead links

- STOCKS does not know about soft-links
 - we cannot prevent deletion of referenced items
- Will change to soft-delete soon
 - Already the case for experiments & samples

=> You should delete an item *only* when you are 100% sure that no one referenced it

Best practices on item edition

- Items are shared for edit permissions by default
 - Excepted experiment
- No item modification history in STOCKS
- Your edits must not affect item integrity
 - Editing details of consumable might impact others
 - Always OK to add information on incomplete items
 - most likely **not** OK to change product origin/catalog#
 - In particular when lot number is indicated
 - Never OK to change lot number or other similar fields
- Use the dedicated fields:
 - **Maintained** : indicates whether an item is discontinued
 - Eg lot number sold out, discontinued by the vendor...
 - A better/cheaper replacement has been found.
 - **Available** : indicates whether the item is currently *available* in the lab i.e. if so, it should be found at the indicated location(s).

Excel-based bulk item creation, edition & export

Name	Code	Catalogue #
1X Blow B1 in PGL-3-Hsp70	1008	—
1X Blow B2 in PGL-3-Hsp70	1010	—
1X Blow B in PGL-3-Hsp70	1009	—
1X CG30035 #1 in PGL-3-Hsp70	1007	—



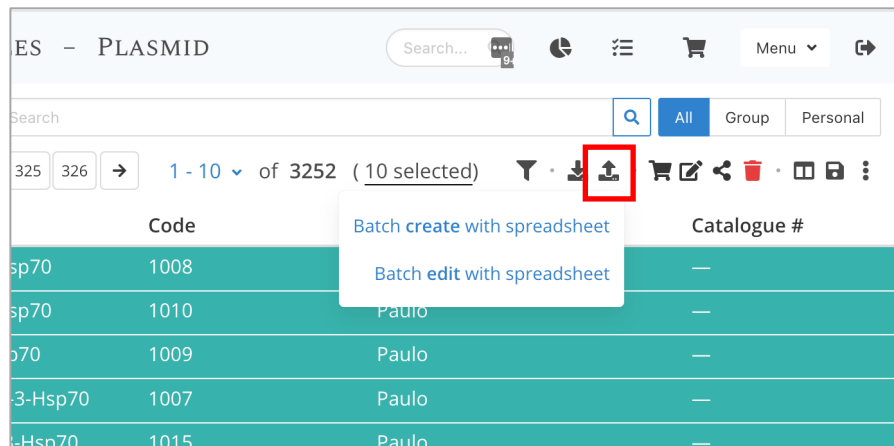
- The excel templates are **type-specific** and their content is **optimized** for the task
 - Batch **create**: empty template (**type-specific** headers only)
 - Batch **edit**: filled with the selected items, the **ID field** must remain untouched
 - Include controlled vocabulary
- Exported templates can be **customized**
 - contains all or a selection of the items properties
 - annotations can also be added

Rules to assemble batch templates

	A	B	C	D	E	F	G	H	I	J	K
1	Name	Category	Code	Origin/Vendor	Catalogue #	Location Name	Container Type	Container Name	Container Position	Location Details	Status
2	name	stocks_enzyme_category	code	vendor	catalogue_number	stock_locations	container_type	container_name	container_position	stock_location_description	status
3	Acu I	Restriction Enzyme	E003	NEB	R0641S	Liebherr-30freezer	Box	Box Ab1	A1		AVAILABLE
4	AflII	Restriction Enzyme		NEB	R0520S	Liebherr-30freezer	Box	Box Ab1	A2		AVAILABLE
5	Agel	Restriction Enzyme		NEB	R0552S	Liebherr-30freezer	Box	Box Ab1	A3		AVAILABLE
6	AmpliQaq Gold	Polymerase	E023	Thermo	N8080249	Liebherr-30freezer	Box	Box Ab1	A4		AVAILABLE
7	Antarctic Phosphatase	Modification	1	NEB	M0289S	Liebherr-30freezer	Box	Box Ab1	A5		AVAILABLE
8	AvrII	Restriction Enzyme	E004	NEB	R0174S	Liebherr-30freezer	Box	Box Ab1	A6		AVAILABLE
9	Bam HI-HF	Restriction Enzyme	E005	NEB	R3136S	Liebherr-30freezer	Box	Box Ab1	A7		AVAILABLE
10	BbsI	Restriction Enzyme	E006	Thermo	FD1014	Liebherr-30freezer	Box	Box Ab1	A8		AVAILABLE
11	BbvI	Restriction Enzyme		NEB	R0173S	Liebherr-30freezer	Box	Box Ab1	A9		AVAILABLE

- **Mandatory fields** have the headers in **bold**
 - must be provided in batch create
- Columns can be **removed** from the template
 - Simplify display / focus on columns you want to work on
 - Avoid mistakes in batch edit (absent columns are ignored)
- **Unknown column** are ignored during upload
- New CV (option value) is **not allowed** ; it must be added in STOCKS first
- The **Storage Location**:
 - is made of 5 successive columns ; of which the **Location Name** must be set
 - only one storage location can be set
- **Multi-value fields** accept multiple options separated with **three ~ => val1~~~val2~~~val3**

Create and edit hundreds of items at once



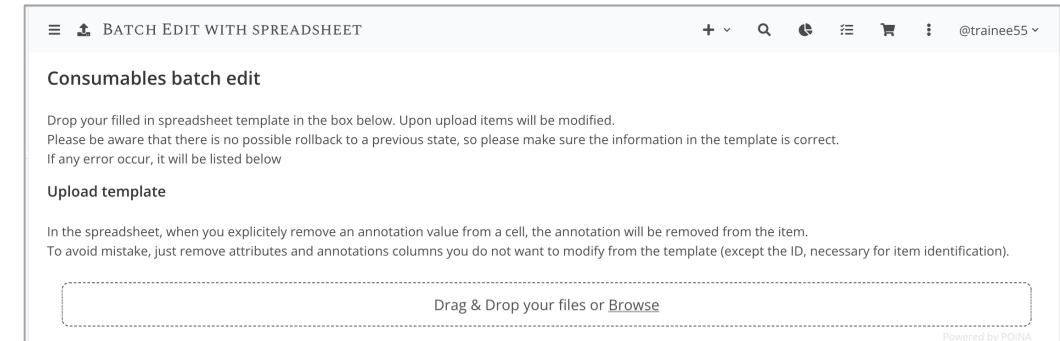
ES - PLASMID

Search... [Icons] Menu

Search [Input] [Search] All Group Personal

325 326 → 1 - 10 of 3252 (10 selected) [Filter] [Batch edit with spreadsheet] [Batch create with spreadsheet] [Shopping cart] [Share] [Trash] [Print] [More]

	Code		Catalogue #
sp70	1008		—
sp70	1010	Paulo	—
sp70	1009	Paulo	—
3-Hsp70	1007	Paulo	—
4-Hsp70	1015	Paulo	—



BATCH EDIT WITH SPREADSHEET

Consumables batch edit

Drop your filled in spreadsheet template in the box below. Upon upload items will be modified. Please be aware that there is no possible rollback to a previous state, so please make sure the information in the template is correct. If any error occur, it will be listed below.

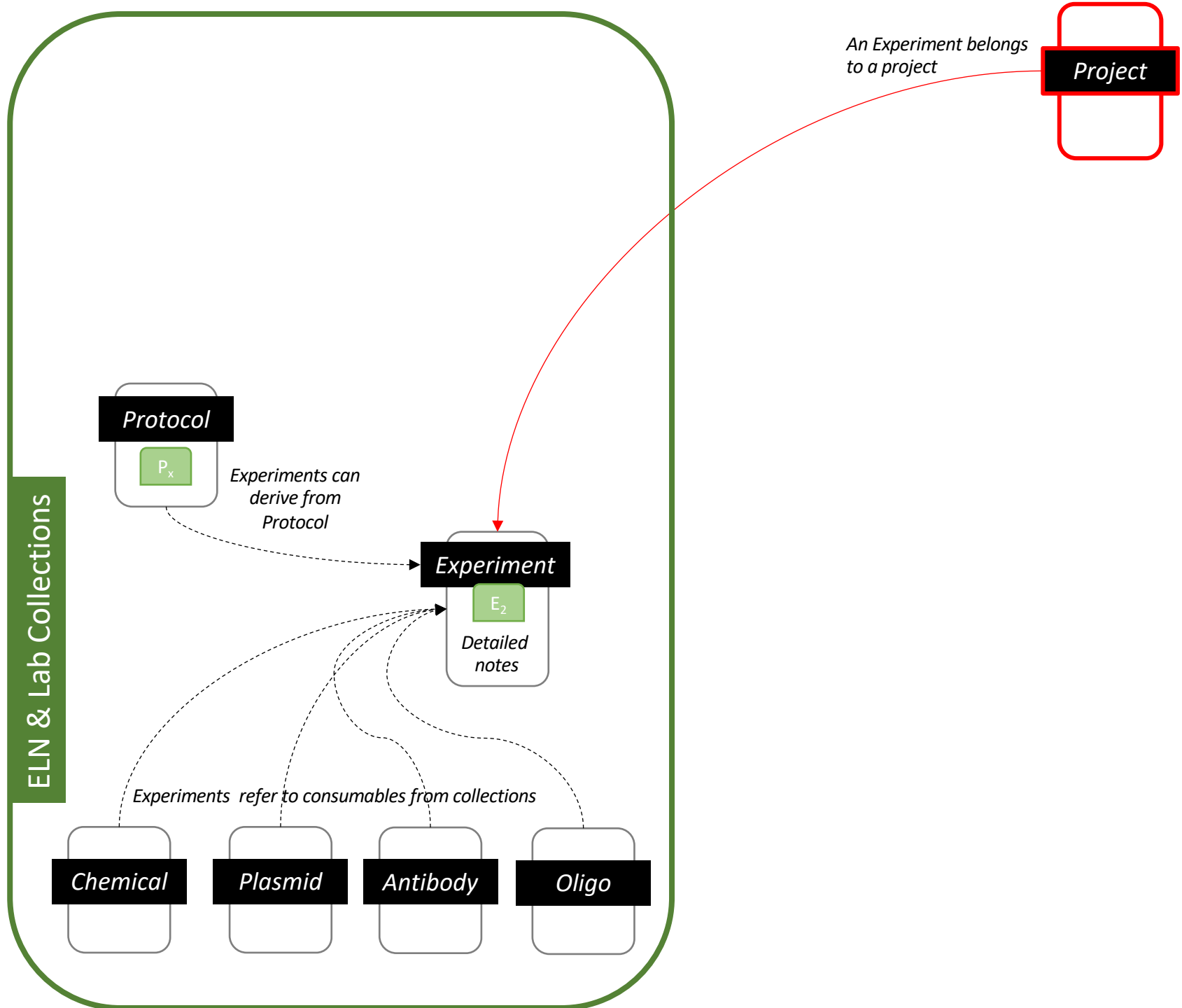
Upload template

In the spreadsheet, when you explicitly remove an annotation value from a cell, the annotation will be removed from the item. To avoid mistake, just remove attributes and annotations columns you do not want to modify from the template (except the ID, necessary for item identification).

Drag & Drop your files or [Browse](#)

Powered by PQDNA

- Ease data migration when start using STOCKS
- Ease data annotation and correction



Thank you for your attention



Jelle Scholtalbers



Matthias Monfort



Nayeem Reza

Questions ?