
AutoIND

February 2025

Release Notes

Data Tags
Publishing v1
Data Room Exploration

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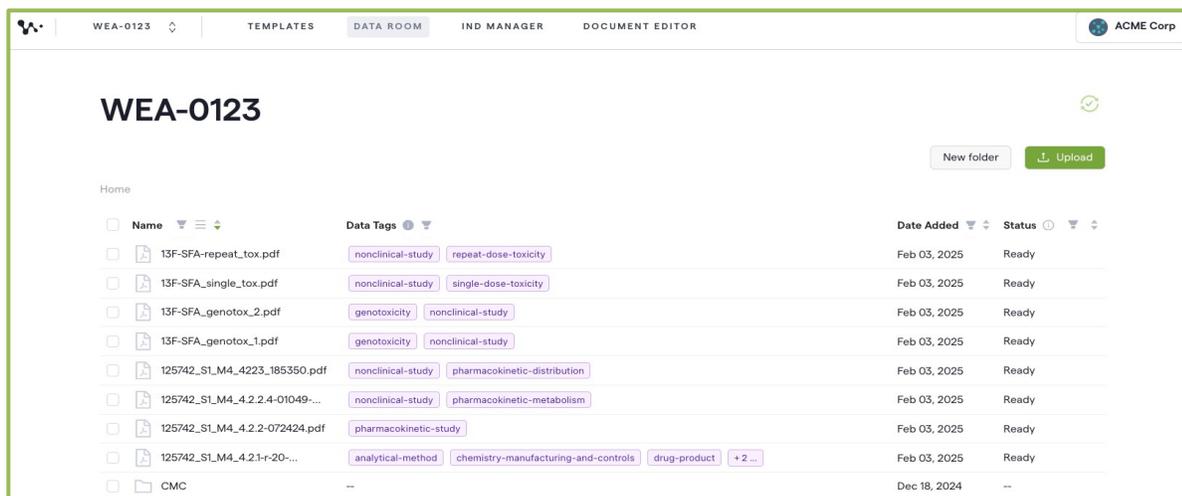
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DATA TAGS

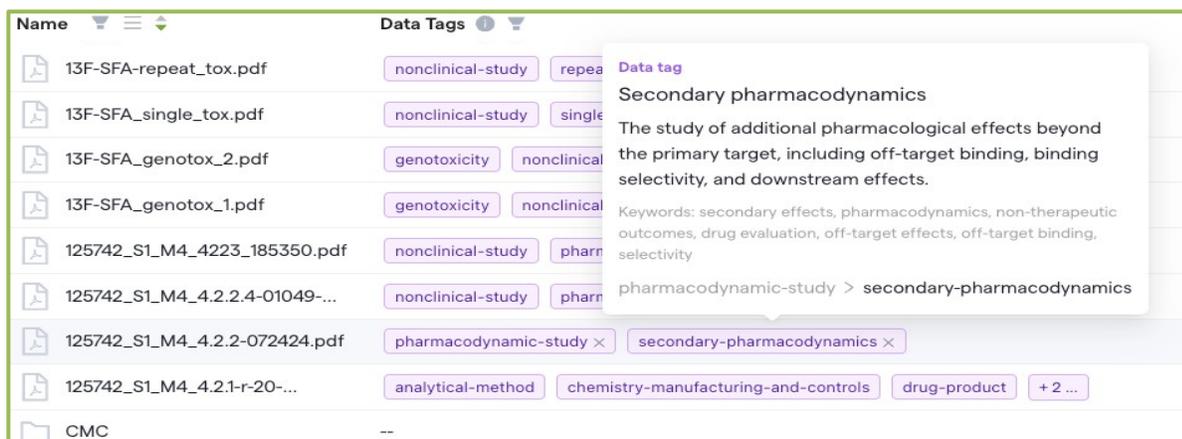
To more effectively categorize and use source data for generation, each file in the Data Room now contains data tags. Instead of generating entire sections with many source files, data tags enable content generation of individual parts of a section using only the most appropriate files or source sections as inputs. This offers greater flexibility when using content templates and providing greater control over the type and length of generated content.

Categorize Source Files with Data Tags

In the Data Room, every uploaded file will be automatically assigned 1 or more data tags after processing. Tags are automatically assigned based on the content inside the file. Tags range from more general & broad categories, such as **@nonclinical-study**, to more granular and specific, such as **@container-closure**.



Hover over any tag to see a brief description and a set of keywords used to auto-assign the tag to files. Additionally, if the tag is a child of a broader category tag, that connection is also displayed.



The data tags control which files will be used to generate different IND sections (based on the templates for each section) so it's important to review the tags on each file. Tags can be added, removed, or changed on the Files tab of the Data Room, or when previewing individual files.

Tag	Status	Due Date	Ready
analytical-method-validation	✓	Jan 30, 2025	Ready
chemistry-manufacturing-and-controls	✓	Jan 30, 2025	Ready
drug-substance	✓	Jan 30, 2025	Ready
control-of-materials	✓	Jan 31, 2025	Ready
drug-substance	✓	Jan 31, 2025	Ready
reference-standards	✓	Jan 31, 2025	Ready
analytical-method		Jan 31, 2025	Ready
analytical-method-validation		Jan 31, 2025	Ready
batch-analysis		Jan 31, 2025	Ready
batch-manufacturing-information		Jan 31, 2025	Ready
batch-specifications		Jan 30, 2025	Ready
pharmacokinetic-absorption		Jan 30, 2025	Ready
pharmacokinetic-study		Jan 30, 2025	Ready

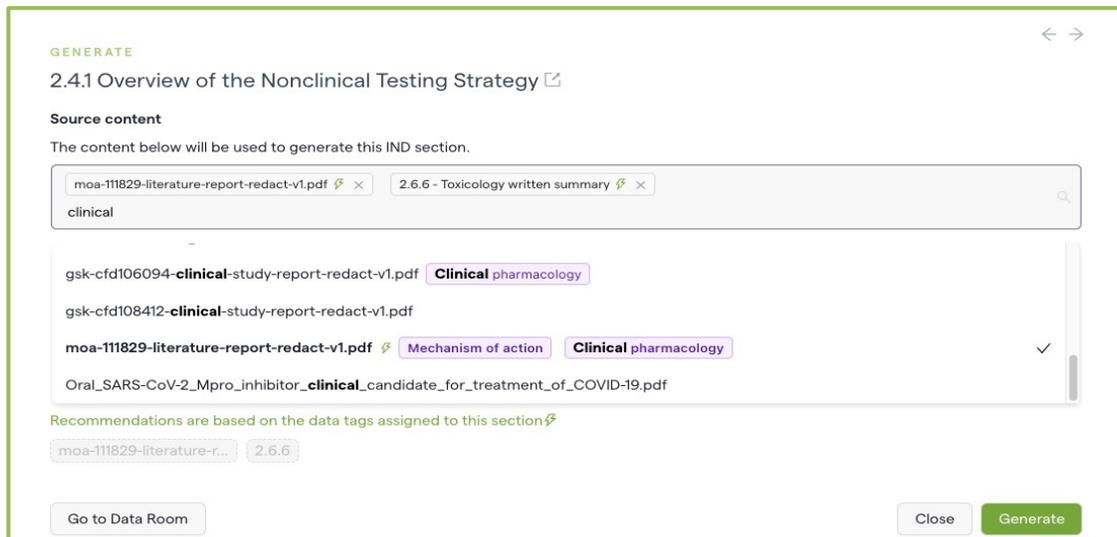
Use Unique Source Content for Different Parts of Templates

Content Templates are now even more flexible and valuable, as each individual part, or “content block” (displayed in blue text), of the template can be assigned one or more data tags. These tags determine which source data will be used to generate the output for that part of the document. This enables greater control over output content, such as using scientific literature for background details in the first paragraph of a document or incorporating previously generated content (e.g. Section 2.6.2 and 2.6.4 into a summary section).

Important note: when data tags are used to determine source file data, only files containing ALL the selected tags will be used. In contrast, when tags are used to determine source sections, then ANY section containing generated content will be used.

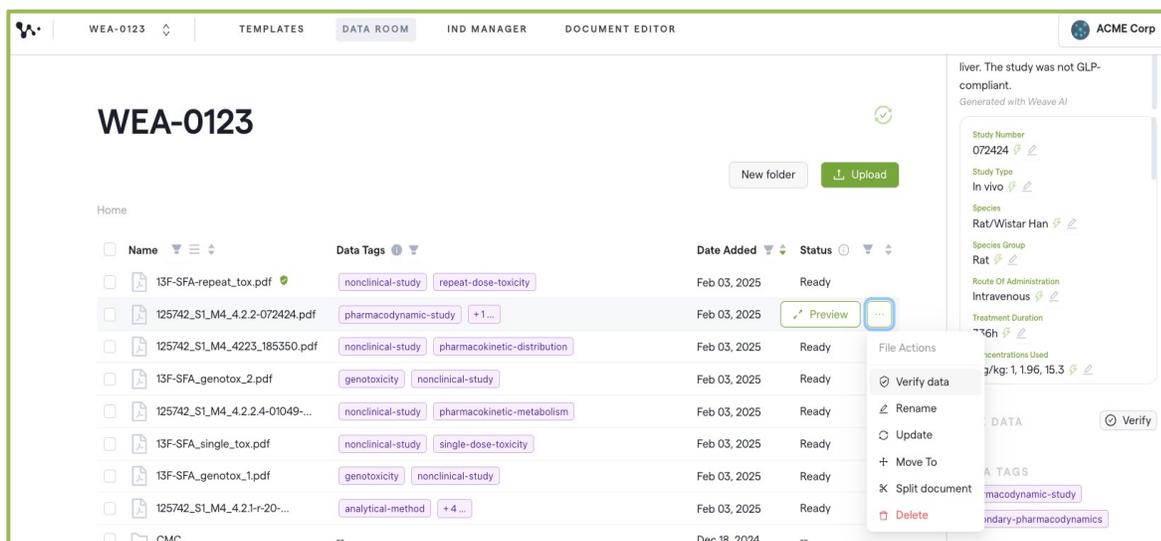
Select Files, Data Tags, or Section Inputs when Generating

When generating a section from the IND Manager, any files or sections that match the data tags included in that section’s template will be automatically added to the generation modal. If the desired input files or sections aren’t shown, the search dropdown can be used to find the most appropriate sources. The modal also includes quick links to get back to the Data Room (to update the tags assigned to uploaded files) or the specific section’s template (to update the tags in the template).

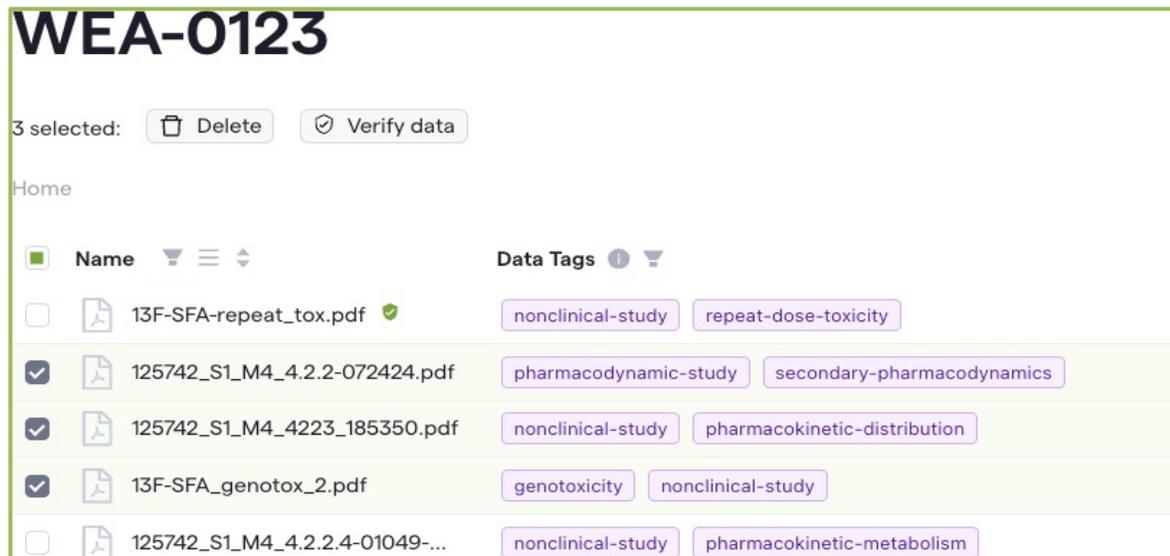


Verify File Data in the Data Room

Once the file data and data tags assigned to a file have been reviewed, the file can be marked as “Verified”. Any file that has been verified will show a green shield icon next to the filename.



To verify many files all at once, select the checkbox to the left of each file and click the “Verify data” button at the top.

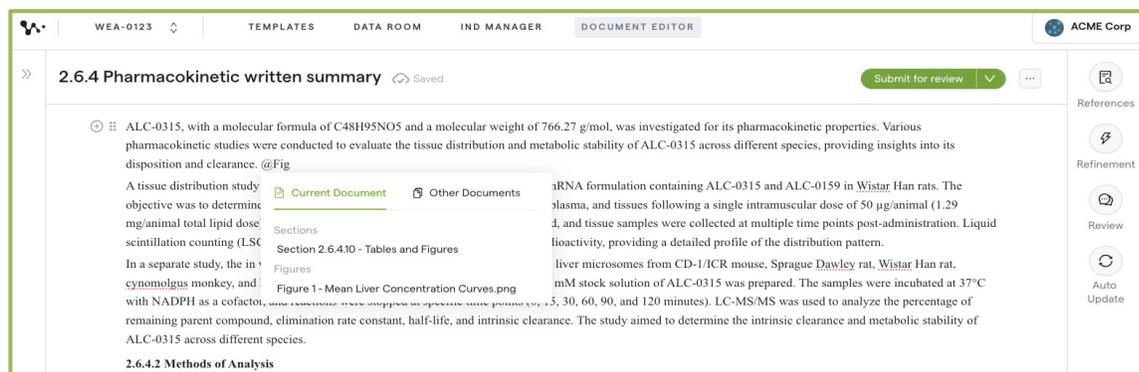


PUBLISHING v1

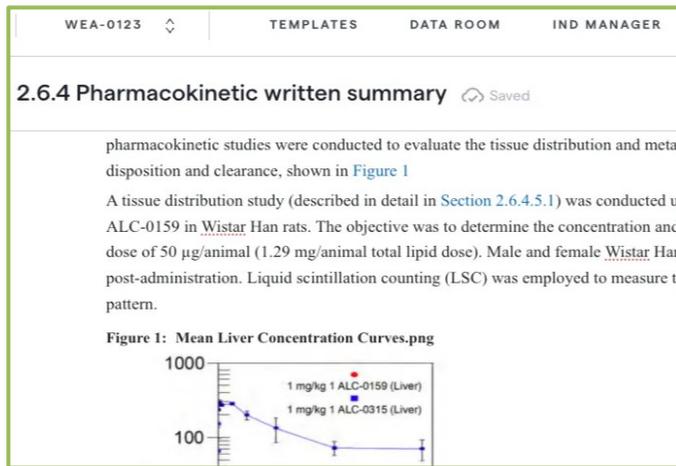
An important and required feature of every IND submission is the hyperlinks that connect content in one section of the IND to another (either within the same document, in other parts of the dossier, or to source files in Modules 4 & 5). Now those hyperlinks can be created while drafting each document. Additionally, these links are automatically updated when the content to which they link is updated (e.g. the relative numbering) which reduces time needed for link validation immediately prior to submission.

Inserting Links to Places Within the Current Document

To insert a link to a section, table, or figure within the current document, users can simply type the @ symbol to pull up a link insertion popup and then search for the desired target section, table, or figure. Selecting one of the search results inserts a hyperlink that remains updated even if the target content changes.



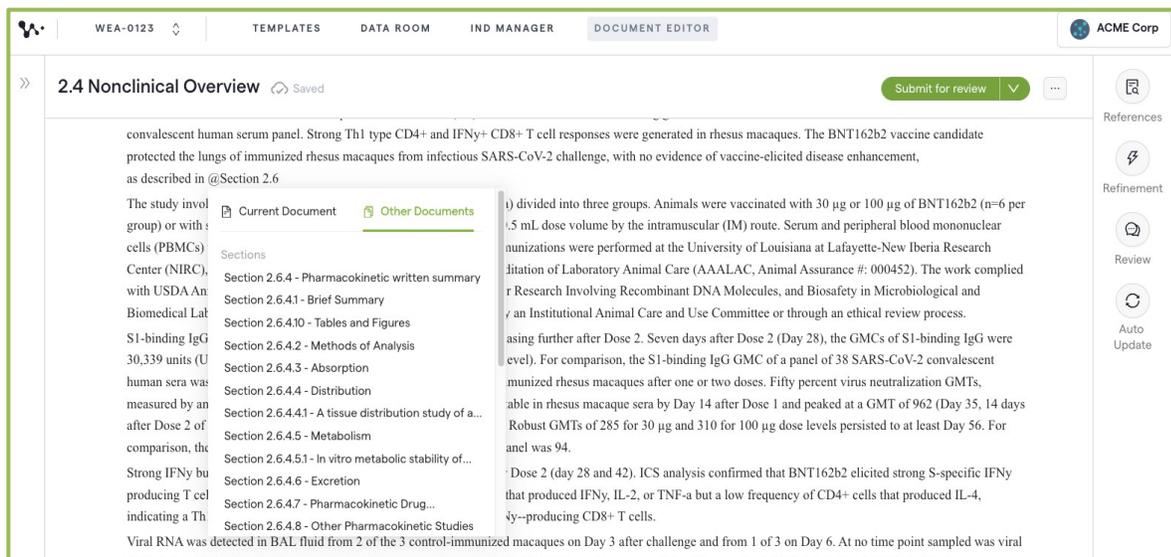
These links can be inserted into content sentences or into table cells, and clicking on them automatically scrolls the Document Editor to that section, table, or figure.



Important Note: while all inserted links are functional and remain updated in the platform, when the document is exported to a Docx file the text will be colored blue but without functional links.

Inserting Links to Places in Other Documents

To insert a link to a section, table, or figure in other documents across the dossier, users can select the “Other Documents” tab in the link insertion popup and then search for the desired target section, table, or figure.



Clicking on the inserted links will open the target section, table, or figure in a new tab for quick reference.

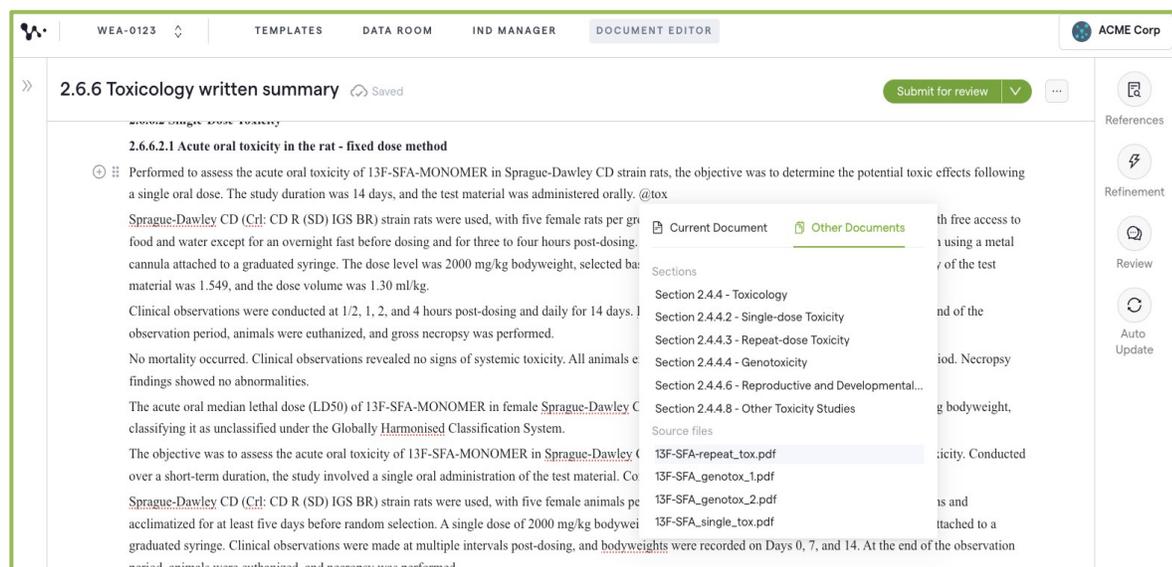
2.4 Nonclinical Overview

Prime-boost vaccination of rhesus macaques with BNT162b2 (V9) elicited SARS-CoV-2 neutralizing convalescent human serum panel. Strong Th1 type CD4+ and IFN γ + CD8+ T cell responses were generated and protected the lungs of immunized rhesus macaques from infectious SARS-CoV-2 challenge, with no mortality as shown in [Section 2.6.4 Figure 1](#)

The study involved 2-4 year old, male rhesus macaques (*Macaca mulatta*) divided into three groups.

Inserting Links to Source Reports & Scientific Literature

To insert a link to a source report file or a scientific literature file in the Data Room, users can find these filenames in the “Other Documents” tab of the link insertion popup. Selecting the desired source file will insert a link using either the filename.pdf or a citation (e.g. “Johnson et al., 2021”). Clicking on the inserted links will open the full screen preview of the source file in the Data Room in a new tab.



The screenshot shows the 'DOCUMENT EDITOR' interface for a document titled '2.6.6 Toxicology written summary'. The main text area contains a section '2.6.6.2.1 Acute oral toxicity in the rat - fixed dose method' with detailed text. A link insertion popup is open, showing two tabs: 'Current Document' and 'Other Documents'. Under 'Other Documents', there are two categories: 'Sections' and 'Source files'. The 'Sections' list includes 'Section 2.4.4 - Toxicology', 'Section 2.4.4.2 - Single-dose Toxicity', 'Section 2.4.4.3 - Repeat-dose Toxicity', 'Section 2.4.4.4 - Genotoxicity', 'Section 2.4.4.6 - Reproductive and Developmental...', and 'Section 2.4.4.8 - Other Toxicity Studies'. The 'Source files' list includes '13F-SFA-repeat_tox.pdf', '13F-SFA_genotox_1.pdf', '13F-SFA_genotox_2.pdf', and '13F-SFA_single_tox.pdf'. On the right side of the editor, there are icons for 'References', 'Refinement', 'Review', and 'Auto Update'.

Keeping Links Updated and Restoring Broken Links

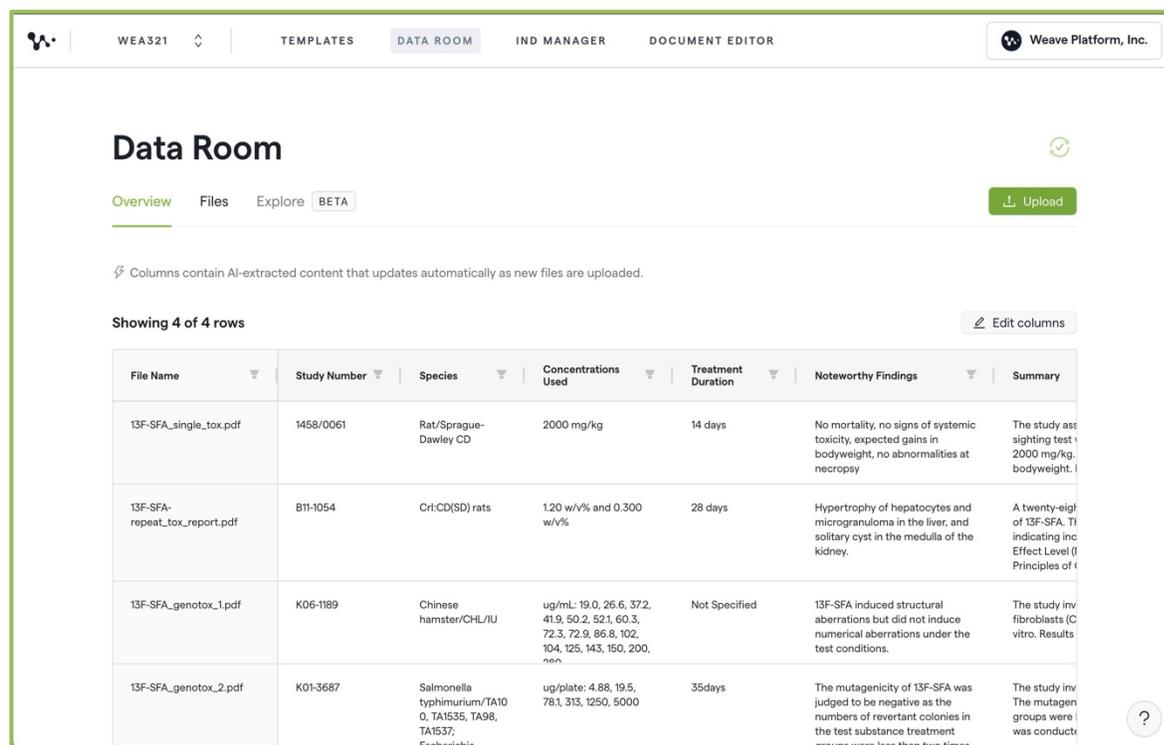
Whenever the numbering for a target section, table, or figure changes, the links pointing to it will automatically get updated as well. If a section, table, figure, or source file gets *deleted*, then the link will change to **@section**, **@table**, **@figure**, or **@pdf** text, respectively. To fix these broken links, simply click on the text next to the @ symbol and it will open the link insertion popup again to select a new target.

Data Room Exploration

Data Room now has two new tabs in addition to Files Overview and Explore. The Overview tab shows a customizable tabular view of all the files in the Data Room with the ability to add custom columns. The Explore tab allows users to describe the data they want to see or ask open-ended questions about a selection of their files.

Overview tab

The new default tab in the Data Room, the Overview tab provides users with a tabular view of all of their files in the Data Room.



The screenshot shows the Weave Platform interface for the Data Room. The top navigation bar includes 'WEA321', 'TEMPLATES', 'DATA ROOM' (selected), 'IND MANAGER', and 'DOCUMENT EDITOR'. The 'DATA ROOM' section has tabs for 'Overview' (selected), 'Files', and 'Explore'. A 'BETA' badge is visible next to the 'Explore' tab. A green 'Upload' button is on the right. Below the tabs, a message states: 'Columns contain AI-extracted content that updates automatically as new files are uploaded.' The table shows 4 rows of data. A 'Show columns' button is on the right of the table.

File Name	Study Number	Species	Concentrations Used	Treatment Duration	Noteworthy Findings	Summary
13F-SFA_single_tox.pdf	1458/0061	Rat/Sprague-Dawley CD	2000 mg/kg	14 days	No mortality, no signs of systemic toxicity, expected gains in bodyweight, no abnormalities at necropsy	The study as... sighting test... 2000 mg/kg... bodyweight. I
13F-SFA-repeat_tox_report.pdf	B11-1054	Crl:CD(SD) rats	120 w/v% and 0.300 w/v%	28 days	Hypertrophy of hepatocytes and microgranuloma in the liver, and solitary cyst in the medulla of the kidney.	A twenty-eigh... of 13F-SFA. TI... indicating inc... Effect Level (f... Principles of t
13F-SFA_genotox_1.pdf	K06-1189	Chinese hamster/CHL/IJ	ug/mL: 19.0, 26.6, 37.2, 41.9, 50.2, 52.1, 60.3, 72.3, 72.9, 86.8, 102, 104, 125, 143, 150, 200, 200	Not Specified	13F-SFA induced structural aberrations but did not induce numerical aberrations under the test conditions.	The study inv... fibroblasts (C... vitro. Results
13F-SFA_genotox_2.pdf	K01-3687	Salmonella typhimurium/TA100, TA1535, TA98, TA1537, Escherichia	ug/plate: 4.88, 19.5, 78.1, 313, 1250, 5000	35days	The mutagenicity of 13F-SFA was judged to be negative as the numbers of revertant colonies in the test substance treatment groups were less than two times	The study inv... The mutagen... groups were... was conducte

The Overview table is highly customizable!

- Filter and select which files (rows) to display data for in the first column.
- Sort and filter every single column.
- Select which default columns to display.
- Resize columns.
- Shift columns to the left or right.
- Create a custom column.

The screenshot shows the 'Data Room' interface with a table of 4 rows. The table columns are File Name, Study Number, Species, Concentrations Used, Treatment Duration, and Noteworthy. The sidebar on the right allows users to search for columns and toggle various options like Citation Text, Concentrations Used, Disease Indication, Drug Name, Glp Status, Inline Citation Text, Modality, and Noteworthy Findings.

File Name	Study Number	Species	Concentrations Used	Treatment Duration	Noteworthy
13F-SFA_single_tox.pdf	1458/0061	Rat/Sprague-Dawley CD	2000 mg/kg	14 days	No mortality toxicity, ex bodyweigh necropsy
13F-SFA-repeat_tox_report.pdf	B11-1054	Crl:CD(SD) rats	1.20 w/v% and 0.300 w/v%	28 days	Hypertropl microgram solitary cys kidney.
13F-SFA_genotox_1.pdf	K06-1189	Chinese hamster/CHL/IU	ug/mL: 19.0, 26.6, 37.2, 41.9, 50.2, 52.1, 60.3, 72.3, 72.9, 86.8, 102, 104, 125, 143, 150, 200, 200	Not Specified	13F-SFA inc aberration: numerical: test condit
13F-SFA_genotox_2.pdf	K01-3687	Salmonella typhimurium/TA100, TA1535, TA98, TA1537; Escherichia coli/WP2uvrA	ug/plate: 4.88, 19.5, 78.1, 313, 1250, 5000	35days	The mutag judged to t numbers o the test substance treatment was conduct groups were less than two times that in each negative control in all test strains with and without S9

Custom columns allow users to extract the data they want, such as answering a question across all of their files. With just a column name and optional instructions, users can test out their AI-generated custom column on one file before applying to all files and adding the custom column to the Overview table. Custom columns can be edited or deleted and will be extracted from any new source files subsequently uploaded.

The dialog box titled 'Create a custom column' contains the following fields and options:

- Column name:** A text input field containing 'Study Duration'.
- Instructions (optional):** A text area containing 'Start date to end date'.
- Test your column:** A section with a note: 'Custom columns may take a long time to generate, because they process each file in the data room. Consider using a test file to preview the column output before saving.'
- Select a file (optional):** A dropdown menu with the text 'Select a file and data tags'.
- Buttons:** 'Cancel' and 'Save' buttons at the bottom.

Clicking each file name in the first column of the Overview table will open the file's sidebar preview, where users can view the contents of the file or update column values.

Data Room

Overview Files Explore BETA

Columns contain AI-extracted content that updates automatically as new files are uploaded.

Showing 4 of 4 rows

File Name	Study Number	Species	Concentrations Used	Treatment Duration	Summary
13F-SFA_single_tox.pdf	1458/0061	Rat/Sprague-Dawley CD	2000 mg/kg	14 days	The study assessed sighting test with no 2000 mg/kg. No deaths or signs of systemic toxicity were observed, and all animals showed expected gains in bodyweight. Necropsy revealed no abnormalities. The study was GLP-compliant.
13F-SFA-repeat_tox_report.pdf	B11-1054	Crit:CD(SD) rats	120 w/v% and 0.300 w/v%	28 days	A twenty-eight-day r of 13F-SFA. The stud indicating increased Effect Level (NOAEL, Principles of Good L
13F-SFA_genotox_1.pdf	K06-1189	Chinese hamster/CHL/IU	ug/mL: 19.0, 26.6, 37.2, 41.9, 50.2, 52.1, 60.3, 72.3, 72.9, 86.8, 102, 104, 125, 143, 150, 200, 200	Not Specified	The study investigat fibroblasts (CHL/IU q vitro. Results showe
13F-SFA_genotox_2.pdf	K01-3687	Salmonella typhimurium/TA100, TA1535, TA98, TA1537; Escherichia coli/WP2uvrA	ug/plate: 4.88, 19.5, 78.1, 313, 1250, 5000	35days	The study investigat The mutagenicity wi groups were less th was conducted in c

SUMMARY

The study assessed the acute oral toxicity of 13F-SFA-MONOMER in female Sprague-Dawley CD rats. Following a sighting test with no mortality at 2000 mg/kg, four additional fasted female rats were given a single oral dose of 2000 mg/kg. No deaths or signs of systemic toxicity were observed, and all animals showed expected gains in bodyweight. Necropsy revealed no abnormalities. The study was GLP-compliant.

Generated with Weave AI

Study Number: 1458/0061

Study Type: In vivo

Species: Rat/Sprague-Dawley CD

Species Group: Rat

Route Of Administration: Oral

Treatment Duration: 14 days

Concentrations Used: 2000 mg/kg

FILE DATA Verify

Note that the Overview table is specific to both the user and the IND. This means another IND or another user's Overview table in the same IND will look different. Custom columns, however, are only IND specific and can be accessed by all users for that IND.

Explore tab

The new Explore tab is a place where users can learn more about their data in an open-ended way - whether it's to answer a question, extract a piece of data, generate a report... anything is possible!

Data Room

Overview Files Explore BETA

Upload

Describe the data you would like to see

Search files and data tags

Which files contain stability testing data?

Create a study summary table

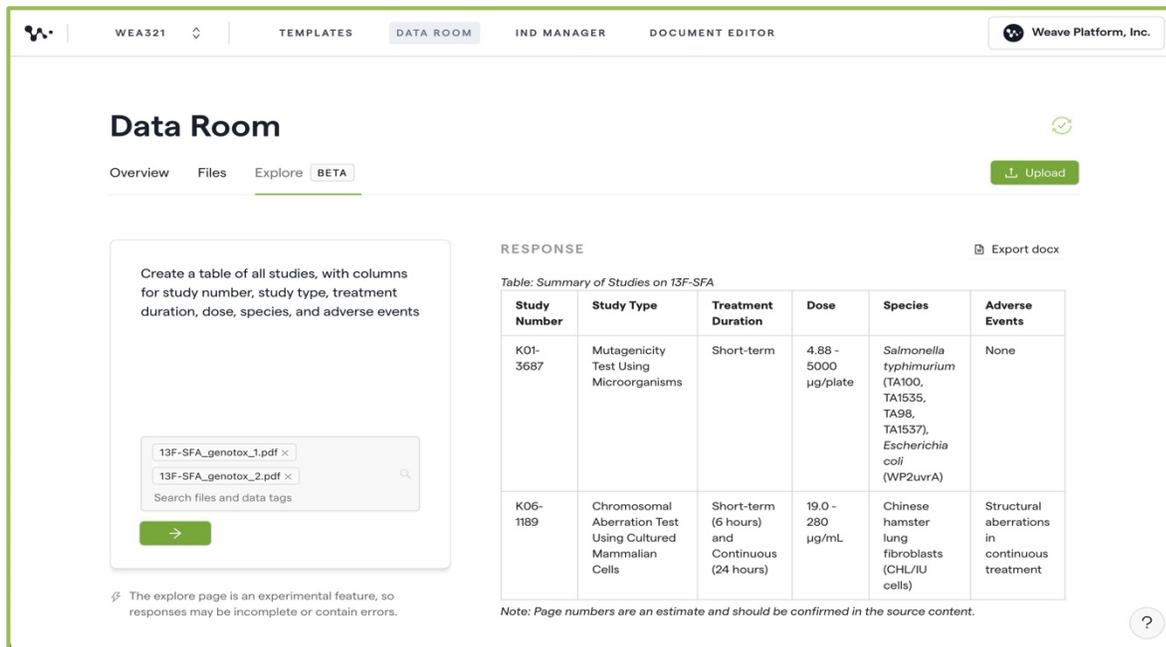
Describe the manufacturing process

Explore your data in new ways

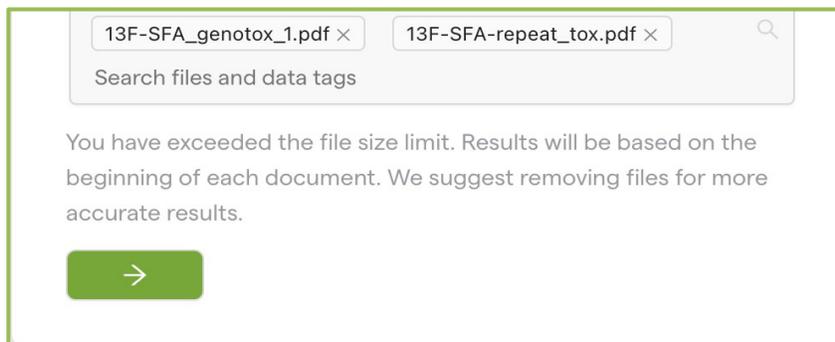
The explore page is an experimental feature, so responses may be incomplete or contain errors.

The explore page allows you to ask open-ended questions about your source files.

Users describe in natural language what data they would like to see, then select a subset of their source files, before submitting to get an AI-generated response to their input. Users can then iterate on their input based on the previous response and continue to do so until they get their desired response.



A warning will appear if too many files have been selected above a certain file size limit. While the user can still proceed to submit, as more files are added above this limit, each file begins to be trimmed from the end during processing, leading to less accurate results.



Responses are not saved in AutoIND but can be exported to Word. Note that the Explore tab is in beta release since it's an experimental feature where responses may be incomplete or contain errors.

Files tab

The Files tab contains what was previously in the Data Room before the addition of Overview and Explore tabs. Users can continue to upload, preview, rename, update, move, split, and delete files.

New, Improved, Fixed

New

- Files uploaded to the Data Room are automatically assigned a set of data tags, which can be changed by users at any time
- The description and keywords for a data tag can be viewed by hovering over the tag
- File data can be marked as “Verified” for individual files or multiple files at once
- Template content blocks (displayed in blue text) can be assigned data tags, the combination of which define the source files or input sections used to generate that section of the template
- Typing @ symbol inside the document editor opens a popup for inserting links to sections, tables, figures, or source files both within the current document and to other documents.
- Links to scientific literature source files are automatically populated with standard citation format
- Links automatically update when the element they link to is changed (e.g. its relative numbering)
- When the target element is deleted, links to it change to [@section](#), [@table](#), [@figure](#), or [@pdf](#) for easy restoration of the broken link
- Exported Docx files contain links as normal text (non-functional) with [blue color](#)
- When links to scientific literature source files are inserted, the exported Docx files include a List of Literature References section in the Table of Contents and at the end of the document
- Overview tab in the Data Room
 - Overview table of all files in the Data Room
 - Customizations of the Overview table (filtering of files/rows; on columns - sorting, filtering, resizing, shifting, selecting defaults)
 - Creation of custom columns, including testing one file before applying to all files
- Explore tab in the Data Room
 - Open-ended user input in natural language
 - Selection of multiple files from the Data Room
 - Warning if more files are selected above the file size limit
 - Export of the response to Word

Improved

- Instead of assigning a single Document Type to uploaded source files, a set of data tags will be automatically assigned to files once processed
- The content template Playground automatically detects and includes source content (files or sections) based on the tags included in the section's template. Changing any of the tags will require updating the source content to match the updated tags.
- When splitting a file, each split will be individually auto-assigned data tags after processing
- Upload data from any tab in the Data Room

Fixed

- Large source documents no longer cause content generation to stall
 - You can no longer attempt to restore the current version from version history, which would hang
-