



SWIFT  REVIEW

Desktop Version (1.43)

Release History

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Release History

This document lists changes made to the SWIFT-Review application. Please send your requests for new features and/or report any problems to swift-review@sciome.com!

Version 1.43, Build 10597: 11.15.2023

SWIFT-368: Updated to latest log4j-2.21.1

Updated the log4j library to latest version 2.21.1

SWIFT-367: Fixed RIS upload when there are KW field with “|” in values.

Fixed the bug where a RIS file having KW field with “|” in the values were not being imported to SWIFT-Review.

Version 1.43, Build 10588: 04.13.2023

SWIFT-366: Import custom Tag-Category bug fix.

Fixed the bug where custom tag-categories in RIS file were not being imported to SWIFT-Review.

Version 1.43, Build 10588: 04.10.2023

SWIFT-365: Included Topic Model in set of default tag categories at start of the project.

User has the option to select/unselect the topic model tag category to be run while creating the project from ris/csv file.

Version 1.43, Build 10580: 11.18.2022

SWIFT-364: Parse affiliation and funding from RIS and make them searchable

If the imported RIS file has affiliation (AD) and/or funding (FU) keywords, SWIFT-Review will parse it and make the searchable by key words, affiliation and funding.

SWIFT-360: Send labels through ActiveScreener API

If label field is available for the references uploaded via RIS file, they will be preserved and will also be passed to ActiveScreener when “Send to ActiveScreener” option is used.

SWIFT-358: Skips multiple re-indexing when edition tags

SWIFT-354: Updated ActiveScreener API

Updated API to improve the speed of accessing ActiveScreener projects.

SWIFT-346: Option to select tags to be run when building a new project

There is an option to select which default tag categories to be calculated when building a new project.

SWIFT-356: Upload tags from uploaded RIS

The uploaded RIS file will be parsed to identify the Swift-Review's default tag categories in it. It will allow user to either use the tags from the uploaded RIS file or recalculate them.

Version 1.43, Build 10535: 02.02.2022

SWIFT-355: Normalization of the text

When a new project is creates, text of title and abstract will be normalized to remove certain special characters.

SWIFT-354: Updated Active Screener API endpoint to access the AS projects

Reduced the time taken to access the Active Screener project(s).

SWIFT-352: Fixed tagging of mesh_SH with mesh_code

Fixed a bug where mesh_code was incorrectly tagged under mesh_SH

SWIFT-350: Show search strategies web link instead of pdf

SWIFT-349: Changed encoding to UTF-8 when reading files during batch query

When tag files are uploaded via batch query tool, the files will be encoded to UTF-8 to ensure the normalized text.

Version 1.43, Build 10533: 04.16.2021

SWIFT-341: Updated StringTokenizer to split the search term with hyphen and lower case it

Fixed the bug where the Upper-case query with hyphen and wild card won't return any hits.

Version 1.43, Build 10518: 02.22.2021

SWIFT-340: Include new Tag Category called "EPA Exposure and Fate"

Added a new tag category in default tag category list.

Version 1.43, Build 10515: 12.01.2020

SWIFT-339: Reordering of tags

Fixed the broken reordering of the tags.

SWIFT-335: Import NBIB file

Resolved the issue related to uploading of NBIB file having book chapter(s).

Version 1.43, Build 10508: 06.01.2020

SWIFT-336: Export tag category and tag names in exported RIS file

User can export the tag categories and tag names in RIS file. The information will appear in KY field. The tag category and tag names will be separated by "|".

SWIFT-336: Saving more keywords from RIS file

Processing and saving more information from the imported RIS file, like SN, CN, M3, Custom fields etc.

SWIFT-335: Import NBIB file

The new NBIB format(from PubMed) is supported.

Version 1.43, Build 10499: 05.11.2020

SWIFT-334: Clean tags by number of hits

Tags can be removed if the number of the tagged references fall below the user defined threshold value.

Version 1.43, Build 10456: 08.28.2019

SWIFT-326: Add “Environmental Fate” as new default tag category

SWIFT-325: Add RIS ID in tab delimited and excel export option

References can be searched by RIS ID using ‘*risid*’ as the keyword in the search query.

SWIFT-324: Allow to search RIS ID in search field

Version 1.43, Build 10455: 08.26.2019

SWIFT-323: Save ID value from RIS file

A RIS file can be generated from multiple sources/tools and then can be imported into SWIFT-Review. The ID keyword in RIS file can represent the unique value generated from source/tool or some other value. SWIFT-Review saves this value and shows the value in document preview panel. Also, the same value can be exported back when user selects RIS format and “*Original RIS ID*” as the identifier.

SWIFT-322: Clean old tag categories when repository has renamed one

The renaming of the Sciome-default tag categories/tag names was not replacing the old ones from the local system of the user. User had the renamed one (after the launch of SWIFT-Review), but also had the older ones, which could cause confusion.

The issue is fixed by deleting the local tag categories folder’s content and then replacing by updated content from the repository, during launch of SWIFT-Review.

Version 1.43, Build 10454: 06.24.2019

SWIFT-321: Advanced option to select RIS format

While exporting RIS file from SWIFT-Review, user would have option to select an identifier to use in the ID field of the RIS file. The options are either to select SWIFT ID, incremental ID or HERO ID, if available.

Version 1.42, Build 10434: 01.04.2019

SWIFT-315: Bug: Load PMID list text file

Since Dec 1 2018, NCBI has enforced the use of API key to post the requests to the E-util. Without the API key, NCBI was rejecting the requests posted by SWIFT-Review in order to pull the information about upload PMIDs. We are now using API key as per the NCBI guidelines.

SWIFT-313: Reduce number of API calls during the launch

During the launch of SWIFT-Review, each of the required resource files, tag categories were getting checked if there was any update. For each file, it was making one call which was causing severe load on Sciome server. We have now reduced the number of API calls significantly.

Version 1.41, Build 10429: 12.18.2018

SWIFT-312: Save and export URL keyword in RIS

We are saving the URL information, if available, in imported RIS file from HERO. The URL information is also printed out in generated RIS file from SWIFT-Review which can be exported to Distiller and Active Screener.

Version 1.40, Build 10415: 09.10.2018

SWIFT-311: Bug: Empty excel sheet when export the duplicate references list after exporting references to Active Screener

We have fixed the issue where an empty excel file was generated, instead of list of duplicate references, when references were exported to Active Screener, keeping the de duplication checked.

SWIFT-310: Bug: Missing queries in tag category explorer

We have fixed the issue when a query would disappear from tag category explorer, after its edit/update.

Version 1.40, Build 2155: 05.10.2018

SWIFT-231: Store index on disk and improved indexing speed

Previously, it could take several minutes to load projects, especially large ones. Although we have greatly decreased load times since the original release, a remaining bottleneck is caused by SWIFT-Review needing to rebuild the search index every time the application starts. In this latest release, this has been somewhat ameliorated by changing to a disk-based index rather than a completely in-memory index.

Indices are automatically saved in project-specific directories in the user data directory. If those file-based indices are not already present, they are generated at the time of loading a project. This would ordinarily happen the first time a project is loaded, created, etc. If the indices are found, they won't be generated again. For improved performance, the disk-based indices are loaded into memory during usage of the application; the index is then re-written to disk when the project is saved.

In case the index ever becomes corrupted for some reason, the menu selection **Tools > Options > Index**, gives the user the option to recreate the index files, from the current state of the project.

SWIFT-285: Allow user to remove references from existing project

It is now finally possible to remove references from an existing project.

The screenshot shows the SWIFT-Review application interface. On the left, the 'Health Outcomes' tag browser displays a list of tags with their corresponding counts. The 'Reproductive and Developmental' tag is selected, showing a count of 3356. Below the tag browser, a table lists 7686 loaded documents, with 5 selected. The document preview on the right shows the title '17 β -Estradiol mineralization in human waste products and soil in the presence and the absence of antimicrobials.' and the abstract text.

Tag	Code(s)	Count
Reproductive and Developmental		3356
[No Tag]		2040
Cancer		1396
Endocrine System		1130
Nervous System		888
Musculoskeletal System		666
Congenital, Hereditary and Neonatal		626
Cardiovascular System		567
Nutritional and Metabolic		556
Hematological and Immune System		408
Skin and Connective Tissue		249
Manaric-Sucham		227

Showing 7686 of 7686 loaded documents (5 selected; 0 total included; 0 total training docs.)

Score	Training It...	Includ...	RefID	Title	Year	Authors	Journal
0	<input type="checkbox"/>	<input type="checkbox"/>	273890...	"Relaxant effects of the selective estrogen receptor modula...	2016	Castell-Ruiz M, Salom JB, Fernández-Musol...	Journal of cardiovascular pharmacology
0	<input type="checkbox"/>	<input type="checkbox"/>	275086...	[OP.3A.07] DROSPIRENONE WITH ESTRADIOL...	2016	Zhao X, Yu J	Journal of hypertension
0	<input type="checkbox"/>	<input type="checkbox"/>	274379...	17 β -estradiol Dec	2016	Marcell I, Hrabak A, Nyiro G, Patocs A, Star...	Experimental and clinical endocrinology & di...
0	<input type="checkbox"/>	<input type="checkbox"/>	270876...	17 β -estradiol diffe	2016	Nada S, Gannas C, Ferreira LM, Milani A, Ari...	Differentiation; research in biological diversity
0	<input type="checkbox"/>	<input type="checkbox"/>	273279...	17 β -Estradiol min	2016	Amarakoon I, Fahrenhorst A, Rose K, Claeys ...	Journal of environmental science and health...
0	<input type="checkbox"/>	<input type="checkbox"/>	262647...	17 β -Estradiol mod	2016	Nuzzo MT, Focchetti M, Servadio M, Trezza ...	Neuroscience research
0	<input type="checkbox"/>	<input type="checkbox"/>	270092...	17 β -Estradiol pro	2016	Zhang L, Xiong Y, Xiong Y, Liu H, Liu Y	Molecular human reproduction
0	<input type="checkbox"/>	<input type="checkbox"/>	272551...	17 β -Estradiol Re	2016	Hufnagel M, Pader E, Ptak A	Reproductive sciences (Thousand Oaks, Cal...
0	<input type="checkbox"/>	<input type="checkbox"/>	270748...	17 β -estradiol up-	2016	Gao Y, Chu N, Qu X, Tang W, Guber HJ, U ...	Bioscience trends
0	<input type="checkbox"/>	<input type="checkbox"/>	265932...	Acceleration of am	2016	Huang CJ, Park MH, Choi MK, Choi JS, Oh K...	Brain, behavior, and immunity
0	<input type="checkbox"/>	<input type="checkbox"/>	274936...	A Combined Thera	2016	Benelli E, Del Ghianda S, Di Cosmo C, Tonac...	International journal of endocrinology
0	<input type="checkbox"/>	<input type="checkbox"/>	275225...	A comparison of b	2016	Karami A, Omar D, Lazorchak JM, Yap CK, H...	Environmental research

SWIFT-242: Tagging: multiple operations at once

The manual tagging procedure has been stream-lined. It is now possible to add and remove multiple tags at a time from a selected set of documents. (Previously, tags could only be added and removed one-at-a-time.)

The screenshot shows the SWIFT-Review application interface. On the left, the 'Health Outcomes' tag browser displays a list of tags with their corresponding counts. The 'Reproductive and Developmental' tag is selected, showing a count of 3356. Below the tag browser, a table lists 7686 loaded documents, with 5 selected. The document preview on the right shows the title '17 β -Estradiol mineralization in human waste products and soil in the presence and the absence of antimicrobials.' and the abstract text. A dialog box is open, allowing the user to select the tag to add or remove. The 'Category' is set to 'Health Outcomes' and the 'Document Scope' is 'Selected documents only'. The 'Tag' list includes 'New Tag...', 'Cancer', 'Cardiovascular System', 'Congenital, Hereditary and Neonatal', 'Endocrine System', 'Gastrointestinal System', 'Hematological and Immune System', 'Hepatic System', 'Mood and Mental Disorders', 'Musculoskeletal System', 'Nervous System', 'Nutritional and Metabolic', and 'Ocular and Sensory'. The 'OK' button is highlighted.

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Manaric-Sucham		227

Showing 7686 of 7686 loaded documents (5 selected; 0 total included; 0 total training docs.)

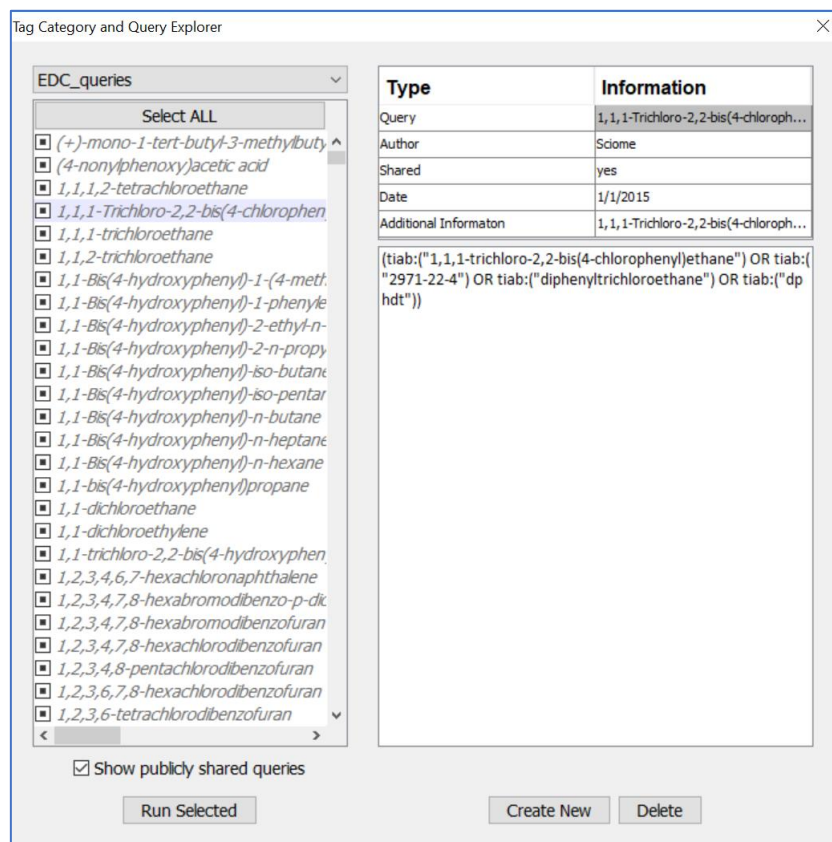
Score	Training It...	Includ...	RefID	Title	Year	Authors	Journal
0	<input type="checkbox"/>	<input type="checkbox"/>	273890...	"Relaxant effects of the selective estrogen receptor modula...	2016	Castell-Ruiz M, Salom JB, Fernández-Musol...	Journal of cardiovascular pharmacology
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0	<input type="checkbox"/>	<input type="checkbox"/>	270876...	17 β -estradiol diffe	2016	Nada S, Gannas C, Ferreira LM, Milani A, Ari...	Differentiation; research in biological diversity
0	<input type="checkbox"/>	<input type="checkbox"/>	273279...	17 β -Estradiol min	2016	Amarakoon I, Fahrenhorst A, Rose K, Claeys ...	Journal of environmental science and health...
0	<input type="checkbox"/>	<input type="checkbox"/>	262647...	17 β -Estradiol mod	2016	Nuzzo MT, Focchetti M, Servadio M, Trezza ...	Neuroscience research
0	<input type="checkbox"/>	<input type="checkbox"/>	270092...	17 β -Estradiol pro	2016	Zhang L, Xiong Y, Xiong Y, Liu H, Liu Y	Molecular human reproduction
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0	<input type="checkbox"/>	<input type="checkbox"/>	270748...	17 β -estradiol up-	2016	Gao Y, Chu N, Qu X, Tang W, Guber HJ, U ...	Bioscience trends
0	<input type="checkbox"/>	<input type="checkbox"/>	265932...	Acceleration of am	2016	Huang CJ, Park MH, Choi MK, Choi JS, Oh K...	Brain, behavior, and immunity
0	<input type="checkbox"/>	<input type="checkbox"/>	274936...	A Combined Thera	2016	Benelli E, Del Ghianda S, Di Cosmo C, Tonac...	International journal of endocrinology
0	<input type="checkbox"/>	<input type="checkbox"/>	275225...	A comparison of b	2016	Karami A, Omar D, Lazorchak JM, Yap CK, H...	Environmental research

SWIFT-256: Reduce need for full install during updates

We have made certain improvements that should make it less likely that a full installation is needed during future updates. (See the discussion on **Minor Updates** versus **Major Updates** in the User Guide.)

SWIFT-283: Better way to customize built-in queries

We have added a new feature that allows users to more easily explore and modify the built-in tagging mechanism. Users can click **Tools > Tag Category and Query Explorer** to view and edit the built in tagging queries and create their own customized versions. Users can also choose to make their search strategies “public” in order to share them with other interested users.



SWIFT-287: Chemical synonym tool improvements

We have made the following minor improvements to enhance the user experience with chemical synonym tool:

1. On completion, set the progress to 100%. Previously, it stopped at 99%.
2. The summary window is now scrollable.
3. The "tag category" text field is now disabled while running batch query.
4. Wait mouse cursor is now shown while running batch query, building query, etc.

SWIFT-286: Hero Import: minor improvements

The following changes have been implemented to improve the user experience with HERO import:

1. We now show the name of the importing project in progress bar window.
2. There is now an option to cancel the import.

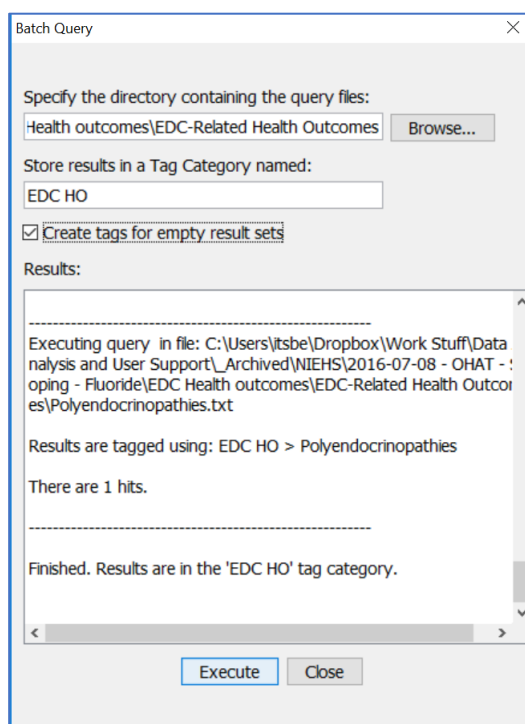
3. On refresh button click, the software now confirms with user again if he really wants to refresh. Sometimes, the button can be clicked by accident and user would have to wait unnecessarily till it downloads the latest file.

SWIFT-264: File format check

When importing text files, software should now check to see if it looks like a PMID List or RIS and provide an error message to user, if selected format doesn't match.

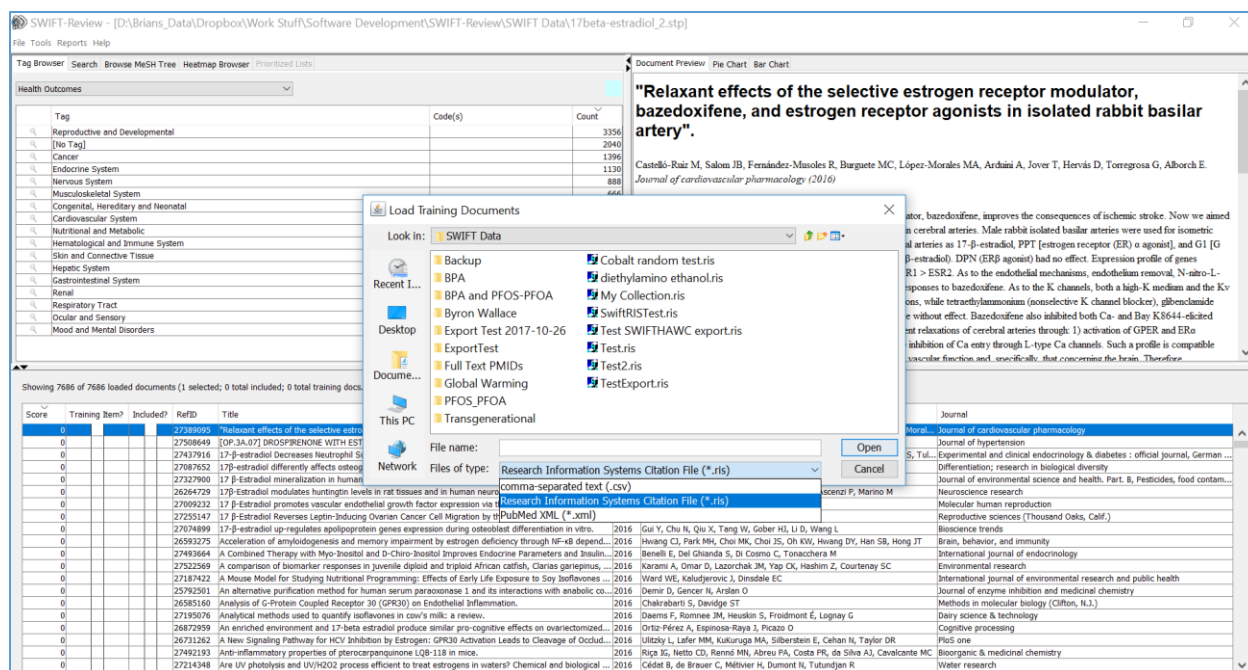
SWIFT-254: Include tags with count zero in batch query

Previously if one of the queries resulted in zero hits, no new tag was created. So, the only tags that were created were for queries that result in one or more hits. There is now an option to create new tags even for empty result sets:

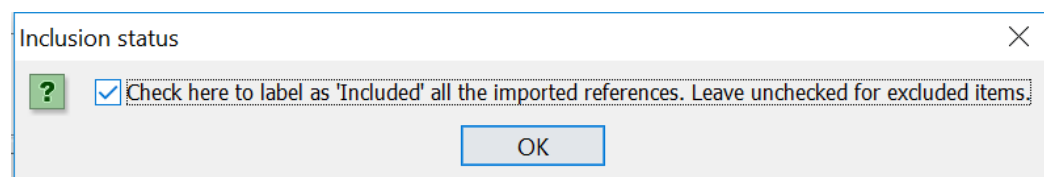


SWIFT-304: Option to specify items as training file when importing

You can now specify training documents using an RIS file or PubMed XML file (in addition to the previous method of using a CSV file). Note that for these two new options, the selected references **must already have been loaded into the project itself**.



After you select the file, the software will ask you whether you want the items to be considered as “Included” or “Excluded.”



In this way, you can repeat the procedure twice to upload your “Included” and “Excluded” training set from a pair of corresponding RIS / PubMed XML files.

SWIFT-305: New export format

When exporting documents from the Document List (Right-click > Export Document List), there is now a new file option: “Research Information Systems Citation File for Distiller (.ris).” This was added due to a bug in Distiller whereby SWIFT IDs having an initial “s” character were not recognized properly. When this is chosen, the SWIFT IDs are replaced so that they are compatible with Distiller.

SWIFT-306: Bug: missing a reference when merging two RIS files

Occasionally, when loading a new RIS file and choosing to “merge” the results with the existing project, a single reference could sometimes be omitted.

SWIFT-300: Add Splash Screen

When SWIFT-Review loads, users will now see a “Splash Screen.”

Version 1.30, Build 1769: 11.13.2017

SWIFT-296: Add Third Level to Heatmap Browser

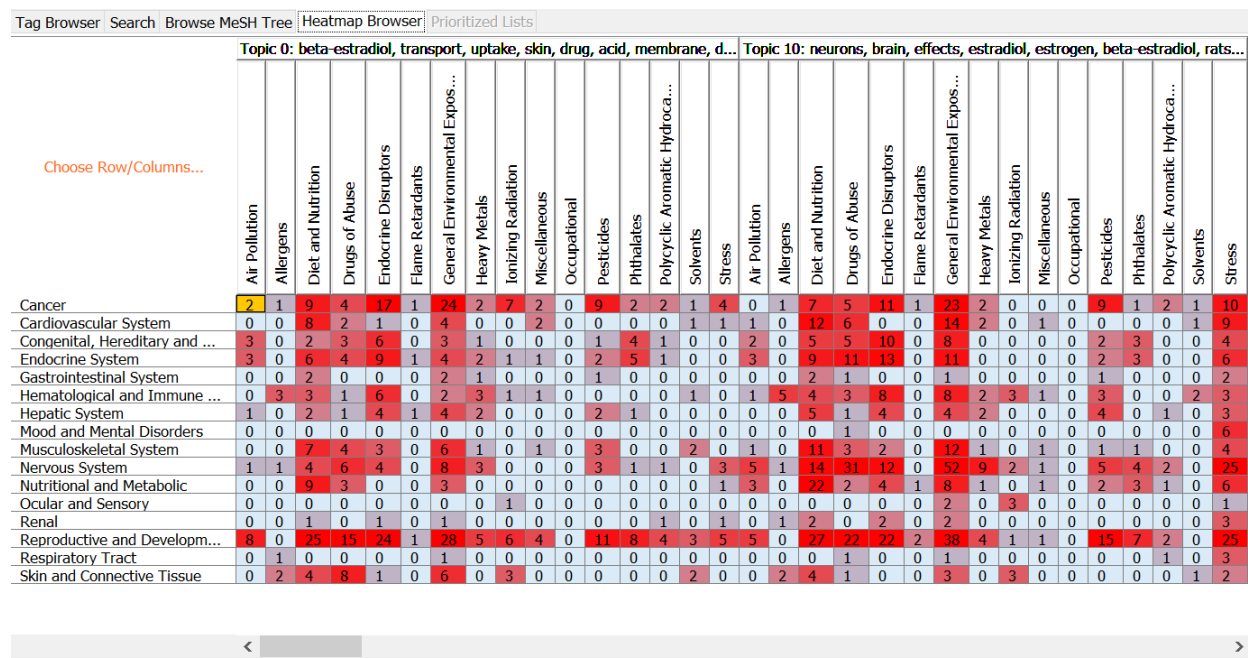
In response to a user request, we have included the option to show an additional nested column category in the Heatmap Browser. When choosing Rows/Columns to display, if you leave the “Use Category 3” checkbox unchecked, the heatmap browser will behave exactly as before.

The screenshot shows the SWIFT-Review software interface. The top panel is the 'Tag Browser' with a search bar and a list of tags. The 'Heatmap Browser' panel is open, showing a grid of tags with counts. The 'Document Preview' panel on the right displays a document titled 'Multidrug resistance-associated protein 7 expression is involved in cross-resistance to docetaxel in salivary gland adenocarcinoma cell lines.' The 'Configure Heatmap' dialog box is open, showing three categories: Category 1 (Rows) set to 'Health Outcomes', Category 2 (Columns) set to 'Topic Models', and Category 3 (Columns) set to 'Exposure'. The 'Use Category 3' checkbox is checked.

However, if you do check this checkbox, additional options will be displayed:

The screenshot shows the 'Configure Heatmap' dialog box. The 'Category 3 (Columns)' dropdown is set to 'Exposure'. The 'Use Category 3' checkbox is checked. Below the dropdowns, there are two panels: 'Topic Models' and 'Exposure'. The 'Topic Models' panel shows a list of 20 tag names, including 'Topic 0: beta-estr...', 'Topic 10: neurons...', 'Topic 11: ovarian...', 'Topic 12: mice, m...', 'Topic 13: male, fe...', 'Topic 14: effects, ...', 'Topic 15: women, ...', and 'Topic 16: activity'. The 'Exposure' panel shows a list of 16 tag names, including 'Air Pollution', 'Allergens', 'Diet and Nutrition', 'Drugs of Abuse', 'Endocrine Disrupt...', 'Flame Retardants', 'General Environm...', and 'Heavy Metals'. Both panels have 'Add Selected', 'Add All', 'Remove Selected', and 'Remove All' buttons.

Here the user has elected to display Health Outcomes in the rows and Topic Models and Exposure in the columns, with Exposure (Category 3) shown nested within Topic Models. The resulting heatmap looks as follows:



Note that each topic model is shown at the top of the screen, and within each possible topic model, exposures are shown as individual columns. Hence, the upper left square containing the number “2” indicates that there are 2 documents having the following combination of tags:

- Health Outcome: “Cancer”
- Topic Model: “Topic 0”
- Exposure: “Air Pollution”

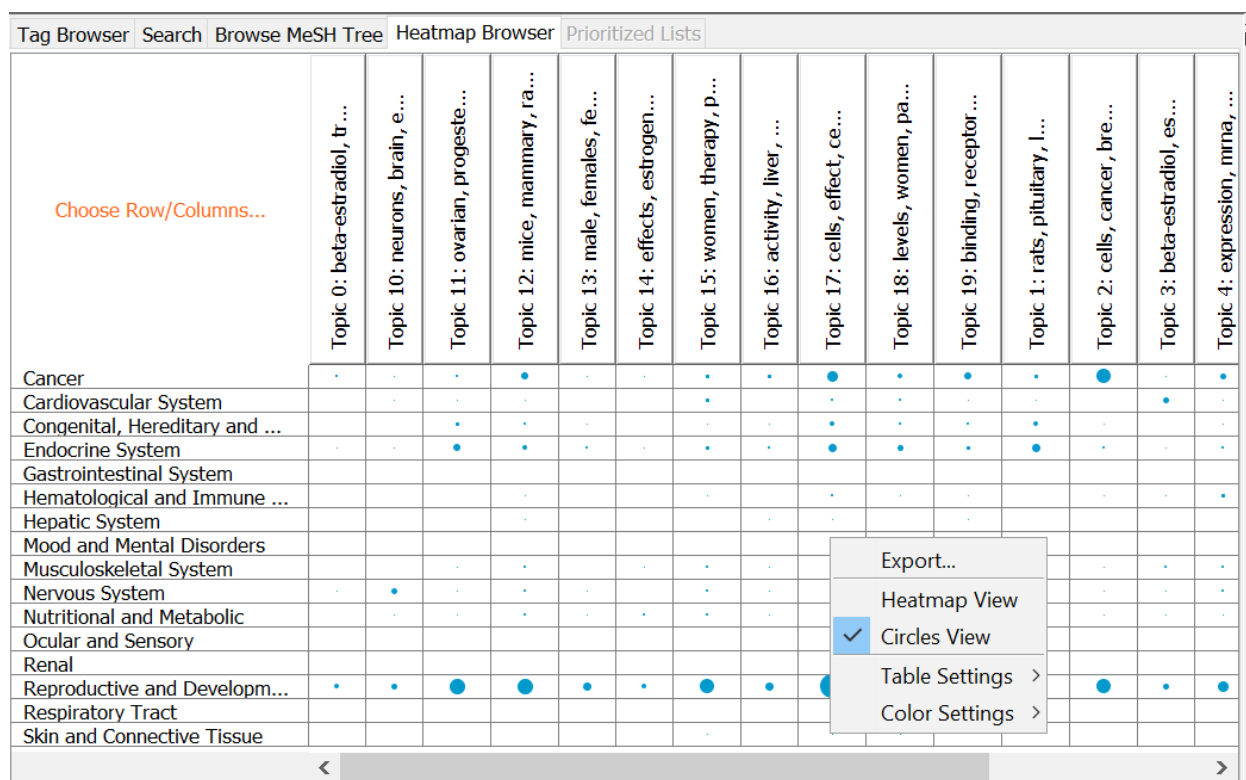
Since some Tag Categories can contain thousands of individual tags, you must carefully choose the tag categories to display when setting up a 3-level heatmap. For example, since the Tox21 Chemicals category contains approximately 9000 tags and the EDC Chemicals category more than 1000 tags, naïve selection of these two tag categories could result in a heatmap with more than 9 million columns! For this reason, we have provided the ability for users to specify not just a Tag Category, but also specific tags within that Category for display. In the following example, the user has elected to show only 4 chemicals from the Tox21 Chemicals category:

SWIFT-298: Allow user to omit the [No Tag] category in Heatmap Browser

By default, the [No Tag] category is omitted from the heatmap browser display, unless the user specifically requests to include it.

SWIFT-297: Option to Show Circles Instead of Colors in Heatmap Browser

We have included a new visualization in the heatmap browser. Users may now elect to display circles of varying size in lieu of the traditional color gradient:



SWIFT-221: Export of Tag Assignments and percentages

We have provided some additional functionality with regards to exporting data from SWIFT-Review. Now when you export a list of references from the Document List, you can also elect to export specific Tag Category assignments and the associated percentages in a variety of formats. First, choose “Export Document List...” from the right click menu:

SWIFT-Review - [D:\Brians_Data\Dropbox\Work Stuff\Software Development\SWIFT-Review\SWIFT Data\17beta-estradiol.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Heatmap Browser Prioritized Lists

Health Outcomes

Tag	Code(s)	Count
Reproductive and Developmental		3356
[No Tag]		2040
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Cardiovascular System		567
Nutritional and Metabolic		556
Hematological and Immune System		408
Skin and Connective Tissue		249
Hepatic System		227
Gastrointestinal System		150
Renal		119

Showing 1130 of 7686 loaded documents (1 selected; 0 total included; 0 total training docs.)

Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
1			6227251	Insulin resistance in polycystic ovary syndrome.	1983	Shoupe D, Kumar DD, Lobo RA	American journal of obstetrics and gynecology
0.737			1953259	[Effects of deprivation and replacement by percutaneous 17 beta estradiol...	1991	Mosnier-Pudar H, Faguer B, Guyenne TT, Tchobrousky G	Archives des maladies du coeur et des vaisseaux
0.724			10451811	Premature ovarian failure.	1999	Falsetti L, Scalchi S, Villani MT, Bugari G	Gynecological endocrinology : the official journal of the ...
0.524			9024268	Estrogen replacement therapy decreases hyperandrogenicity and improves...	1997	Andersson B, Mattsson LA, Hahn L, Mårin P, Lapidus L, ...	The Journal of clinical endocrinology and metabolism
0.49			8908529	Success in inducing ovulation in a case of premature ovarian failure using ...	1996	Busacca M, Fusi FM, Brigante C, Doldi N, Vignali M	Gynecological endocrinology : the official journal of the ...
0.438			24895638	Association between follicular fluid leptin and serum insulin levels		i MT, Nocera S, Totaro I, Na...	BioMed research international
0.433			2889749	Effects of alpha 1-adrenergic blockade on pulsatile luteinizing horm		elli M, Spada M, Giambiasi ...	The Journal of clinical endocrinology and metabolism
0.428			6791502	Induction of ovulation with menotropins in women with polycystic		jelden RM, Jones JR	American journal of obstetrics and gynecology
0.421			9243107	Short-term oestrogen replacement therapy improves insulin resist		en JA, Frölich M, Kluff C, Kra...	Diabetologia
0.42			20195177	Greater exercise sweating in obese women with polycystic ovary s		, Taylor HS	Medicine and science in sports and exercise
0.419			10821298	Lipoproteins and low-dose estradiol replacement therapy in post-m		on A, Tomkin GH	Diabetic medicine : a journal of the British Diabetic Ass...
0.411			22415139	Therapeutic effect of Bushen Huoxue recipe on autoimmune preme		ran J, Aruldas MM, Srinivas...	Chinese journal of integrative medicine
0.411			17167536	Effects of streptozotocin-induced diabetes mellitus on some bone t		al C, Mølstad-Pedersen L, Sv...	Biochemistry and cell biology = Biochimie et biologie ce...
0.409			4053603	Hormonal contraception in diabetic women: acceptability and influ		e Hertogh R	Contraception
0.353			6723582	Normalization of estradiol receptor kinetics and hormonal activity i			Endocrinology

Export Document List...

Specify a Filename and select a document scope:

Export to ...

FileName: [D:\FT-Review\SWIFT Data\TestExport.xls] Browse

Document Scope:
☒ Selected documents only
☐ Selected documents only
☐ Visible documents only
☐ All documents

Advanced Options

Ok Cancel

To specify advanced formatting settings and select specific Tag Categories for export, click "Advanced Options."

Advanced Options

☒ One row per reference
☐ One row per Cartesian product of tag category(s)

☐ Include percentage with tags

Select ALL

☒ MeSH Heading
☒ MeSH Supplementary Chemicals
☐ Health Outcomes
☐ Topic Models
☐ Exposure
☐ Evidence Stream

Ok Cancel

The default output format is one row per reference as follows:

Score	Training Item?	Included?	RefID	HeroID	Title	Abstract	Year	Authors	Journal	Database	Accession	MeSH Heading	MeSH Supplementary Chemicals
0.0	false	false	11457658		A non-calcemic analog of 1 alpha,25 di	We have r	2001	Somjen D,	The Journ	Pubmed	11457658	Animals Antineoplastic Agents Calcitriol Creatine Kinase Creatine Kinase, BB Form Diaphyses Diaphyses Drug Interactions Enzyme Induction Estradiol Growth Plate Growth Plate Isoenzymes Male Osteoblasts Osteoblasts Rats Rats, Wistar Receptors, Estrogen Selective Estrogen Receptor Modulators Steroid Hydroxylases Steroid Hydroxylases Tumor Cells, Cultured Up-Regulation Vitamin D	Antineoplastic Agents Isoenzymes JK 1624F2-1 Receptors, Estrogen Selective Estrogen Receptor Modulators Vitamin D Estradiol Steroid Hydroxylases Vitamin D 1-alpha hydroxylase Creatine Kinase Creatine Kinase, BB Form Calcitriol
0.0	false	false	6263596		Dissociated changes of pituitary luteini	A single in	1981	Ferland L,	Endocrino	Pubmed	6263596	Animals Castration Estradiol Female Gonadotropin-Releasing Hormone Gonadotropin-Releasing Hormone Kinetics Male Pituitary Gland, Anterior Pituitary Gland, Anterior Rats Receptors, Cell Surface Receptors, Cell Surface Receptors, LHRH	Receptors, Cell Surface Receptors, LHRH Gonadotropin-Releasing Hormone Estradiol
0.0	false	false	446400		The effects of 17 beta-estradiol on pro		1979	Fortune JE	Endocrino	Pubmed	446400	Animals Castration Cattle Estradiol Female Granulosa Cells Granulosa Cells Kinetics Progesterone Theca Cells Theca Cells	Progesterone Estradiol

Note that in this format there is a single line per reference and the individual MeSH and Supplementary Chemical tags are shown within a single column, separated by the “|” character.

If the user instead chooses the format “One row per Cartesian product of tag category(s)”, the first row in the above output is expanded as follows:

Score	Training It	Included?	RefID	HeroID	Title	Abstract	Year	Authors	Journal	Database	Accession	MeSH Heading	MeSH Sup
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Animals	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Antineoplastic Agent	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Calcitriol	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Calcitriol	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Creatine Kinase	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Creatine Kinase, BB F	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Diaphyses	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Diaphyses	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Drug Interactions	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Enzyme Induction	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Estradiol	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Growth Plate	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Growth Plate	Antineopl
0.0	false	false	11457658		A non-calc We have r		2001	Somjen D,	The Journ	Pubmed	11457658	Isoenzymes	Antineopl

In this case, the single row for PMID 11457658 is expanded to 312 separate rows containing every possible combination of the assigned MeSH Heading and MeSH Supplementary tags. At the bottom of the screen is a checklist that allows you to specify the specific Tag Categories you would like to include in the output. Be *very cautious about your choice of Tag Categories when using the Cartesian product output format*, as the resulting number of rows can increase very quickly.

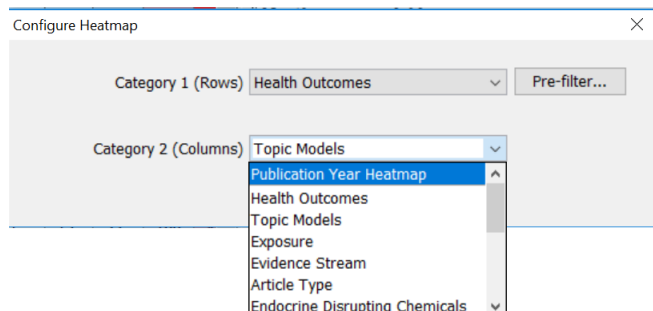
SWIFT-290: Make PMID counts clickable in Chemical Synonyms Results List

If you select “Count Hits in PubMed” when running the Find Chemical Synonyms tool, the resulting hit count will be displayed as a clickable hyperlink. Clicking this link takes the user to the PubMed website to view the corresponding search results.

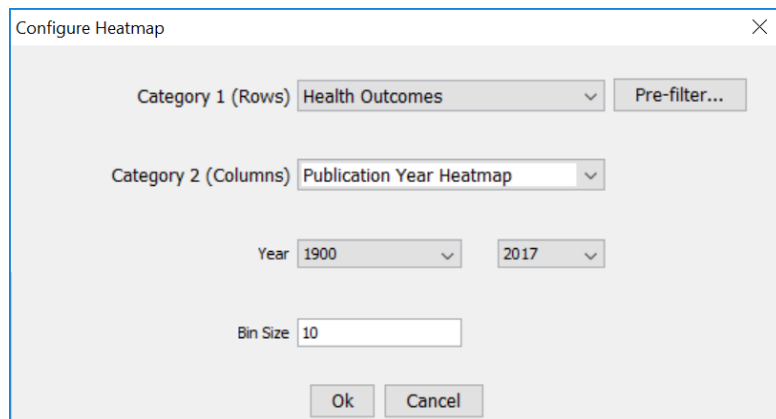
Version 1.30, Build 1695: 9.18.2017

SWIFT-295: Add publication year option to heatmap browser

In the heatmap browser, you can now choose “Publication Year” for the columns.



If you do so, extra options will appear to allow you to select the date range and the bin size:



The result is an interactive, browsable version of the “Publication Year Heatmap” report.

SWIFT-Review - [C:\Users\itsbe\Dropbox\Work Stuff\Data Analysis and Support\2017-08-07 - EPA - Refining Search Strategies - Kris Thayer\2017-08-10 - Sample Data\Tagging Sample.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Heatmap Browser Prioritized Lists

Choose Row/Columns...

	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2017
Cancer	1	5	39	121	456	1391	1778	2493	2930
Cardiovascular	1	6	106	329	610	1191	1696	1955	1780
Developmental	0	6	57	240	763	1874	2888	5363	6652
Endocrine	2	29	139	443	1741	4137	5333	2467	2194
Gastrointestinal	0	15	98	240	542	1243	1388	1700	1737
Hematological and Immune	2	56	312	608	1394	3345	4393	5218	5365
Hepatic	0	7	49	140	528	1394	1495	1527	1394
Mortality	1	13	30	84	387	998	1331	2268	2849
Musculoskeletal	0	10	60	185	466	1031	1469	1749	1770
Neurological	0	10	115	322	786	1767	2281	3248	3465
Nutritional and Metabolic	3	18	70	306	915	2005	2422	3396	3764
Ocular and Sensory	0	10	49	160	388	1031	1403	2133	2304
Renal	3	5	32	113	420	1017	1131	1219	1141
Reproductive	1	12	77	199	468	1003	1281	1928	2128
Respiratory	0	5	41	85	295	775	1145	1572	1582
Skin and Connective Tissue	3	19	99	183	383	1000	1152	1603	1564

Document Preview Pie Chart Bar Chart

Comparative solution equilibrium studies of antitumor ruthenium($\eta(6)$ -p-cymene) and rhodium($\eta(5)$ -C5Me5) complexes of 8-hydroxyquinolines.

Dömötör, O; Pape, VF; May, NV; Szakács, G; Enyedy, ÉA. *Dalton transactions (Cambridge, England : 2003)* (2017)

Abstract
Complex formation processes of [Ru($\eta(6)$ -p-cymene)(H₂O)₃](+) and [Rh($\eta(5)$ -C5Me5)(H₂O)₃](+) organometallic cations with 8-hydroxyquinoline (HQ) ligands were studied in aqueous solution by the combined use of (1)H NMR spectroscopy, UV-visible spectrophotometry and pH-potentiometry. Solution stability, chloride ion affinity and lipophilicity of the complexes were characterized together with the in vitro cytotoxicity against a pair of cancer cell lines, responsive and resistant to classic chemotherapy. The solid phase structure of the [Rh($\eta(5)$ -C5Me5)(8-quinolinolato)(Cl)] complex was characterized by single-crystal X-ray diffraction analysis. In addition to the unsubstituted

Showing 2930 of 73338 loaded documents (1 selected; 0 total included; 0 total training docs.)

Score	Training I...	Includ...	RefID	Title	Year	Authors	Journal
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	282876...	Comparative solution equilibrium studies of antitumor ruthenium...	2017	Dömötör, O; Pape, VF; May, NV; Szakács, G; En...	Dalton transactions (Cambridge, England : 2003)
1	<input type="checkbox"/>	<input type="checkbox"/>	279235...	Comparison of gas chromatography-mass spectrometry and gas ...	2017	Chen, W; Li, X; Huang, H; Zhu, X; Jiang, X; Zha...	Chemosphere
1	<input type="checkbox"/>	<input type="checkbox"/>	282179...	Composition, Antifungal and Antiproliferative Activities of the Hyd...	2017	Abdullah, FO; Hussain, FHS; Mannucci, B; Lapp...	Chemistry & biodiversity
1	<input type="checkbox"/>	<input type="checkbox"/>	283716...	Design, synthesis and biological evaluation of quinoline derivative...	2017	Chen, C; Hou, X; Wang, G; Pan, W; Yang, X; Zh...	European journal of medicinal chemistry
1	<input type="checkbox"/>	<input type="checkbox"/>	283554...	Maintenance of Low-Pressure Carburising Furnaces: A Source of...	2017	Champmartin, C; Jeandel, F; Monnier, H	Annals of work exposures and health

Version 1.30, Build 1671: 8.21.2017

Bug Fix Release

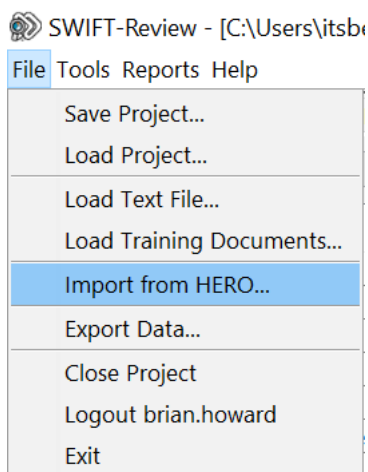
This release fixes a few recent bugs:

- SWIFT-291: Edit Tags Problem
- SWIFT-292: Merge Hangs
- SWIFT-294: Chemical synonym tool issue

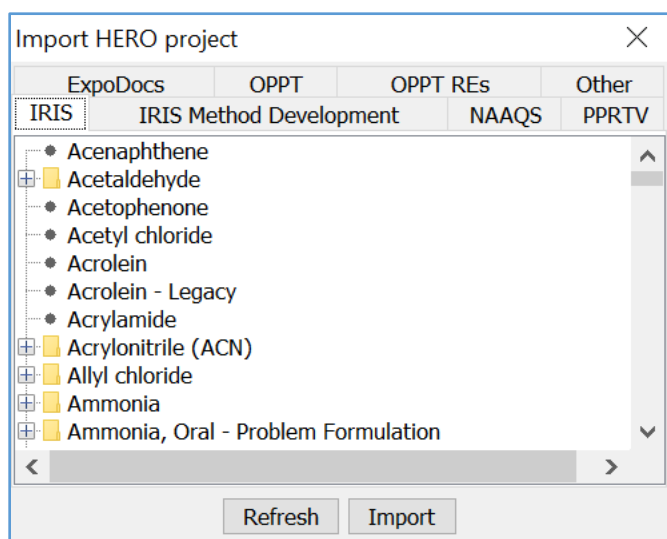
Version 1.30, Build 1634: 8.07.2017

SWIFT-279, 280: Integration of SWIFT-Review with HERO Database

SWIFT-Review now includes a feature that will allow you to import documents directly from EPA's [HERO](#) database. From the File menu, choose "Import from HERO":



You will be presented with a list of HERO projects / usages. (The window that is shown should have a similar appearance to the plugin created by the HERO team for data import into End Note.)



Simply select the project you would like to import and press the “Import” button. After the data has been imported, SWIFT-Review will use the HERO ID plus the prefix “h” as the Reference ID for each reference.

▼ Accession Number

SWIFT ID

h647547

Database (Accession Number)

HERO (647547)

In addition, the software will also keep track of the original HERO ID for each reference. For example, if you later export the data to an Excel or RIS file, the original HERO IDs will be retained. For RIS files, the HERO ID will appear in the “LB” (Label) field of the file.

DocExport.xlsx - Excel Brian Howard

File Home Insert Page Layout Formulas Data Review View Add-ins ACROBAT Team Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

C11

	A	B	C	D	E	F	G	H	I	J
1	Score	Training Item?	Included?	RefID	HeroID	Title	Abstract	Year	Authors	Journ
2	1.0	false	false	h647547	647547	Ionic basis of the resting membrane potential and acti	The pharynx of C. eleg	2002	Franks, C.	Journ
3	0.5894260	false	false	h647530	647530	Hypoxia inhibits the recombinant alpha 1C subunit of t	1. Whole-cell patch clai	1997	Fearon, I.	Journ
4	0.5177800	false	false	h647517	647517	Calcium currents of rhythmic neurons recorded in the	To obtain a quantitativ	1998	Elsen, F. P	Journ
5	0.2562346	false	false	h647526	647526	Biophysical characterization of rat caudal hypothalami	Neurons in the caudal	2000	Fan, Y. P.;	Journ
6	0.2108794	false	false	h647415	647415	An oxygen-, acid- and anaesthetic-sensitive TASK-like b	The biophysical and ph	2000	Buckler, K.	Journ
7	0.2106034	false	false	h647503	647503	Non-specificity of chloride channel blockers in rat cere	1. The effects of chloric	1998	Doughty, J	Journ
8	0.1845195	false	false	h647643	647643	Na+ pump inhibition and non-selective cation channel	1. Hypoxia and metabo	1999	Inoue, M.;	Journ

Document List 1

Ready

SWIFT-275: New Heatmap Browser in SWIFT-Review GUI

We have added a new Navigation Pane to SWIFT-Review. The new Heatmap Browser allows you to choose two Tag Categories and to create an interactive heatmap highlighting co-occurrences of each pair of tags from the two selected tag categories. For example, in the image below, the user has selected the Tag Categories “Health Outcomes” and “Topic Models.”

SWIFT-Review - [D:\Brians_Data\Dropbox\Work Stuff\Data Analysis and Support\Archived\NIEHS\2016-07-08 - OHAT - Scoping - Fluoride\Fluoride2.22y2.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Heatmap Browser Prioritized Lists

Choose Row/Columns...

	Topic 0: synthesis, reactio...	Topic 10: blood, fluoride, ...	Topic 11: cells, protein, f...	Topic 12: cells, cell, acti...	Topic 13: fluoride, base, ...	Topic 14: caries, dental c...	Topic 15: acid, compounds, ...	Topic 16: patients, treatme...	Topic 17: activity, enzyme...	Topic 18: fluoride, complex...	Topic 19: fluoride, express...	Topic 2: fluoride, bone, ra...
Cancer	181	388	537	1272	172	317	143	938	359	237	262	430
Cardiovascular System	64	431	350	134	77	151	72	477	132	123	526	140
Congenital, Hereditary and ...	44	145	191	123	48	303	49	416	127	82	143	81
Endocrine System	48	207	238	140	44	137	57	356	117	89	176	103
Gastrointestinal System	60	246	312	396	67	223	77	505	178	124	171	168
Hematological and Immune ...	129	485	582	763	142	290	182	847	519	240	404	304
Hepatic System	59	239	138	182	35	52	145	208	133	69	244	107
Mood and Mental Disorders	5	15	5	3	1	14	0	27	1	9	12	6
Musculoskeletal System	190	513	609	331	287	713	122	1949	312	504	511	335
Nervous System	103	317	389	173	129	265	79	741	226	191	254	241
Nutritional and Metabolic	66	353	183	138	74	306	91	546	143	150	259	137
Ocular and Sensory	38	307	95	100	124	132	29	456	58	88	157	63
Renal	44	481	144	123	53	133	75	351	109	102	220	90

Document Preview

Superacid synthesis of halogen containing N-substituted-4-aminobenzene sulfonamides: new selective tumor-associated carbonic anhydrase inhibitors.

Compain G, Martin-Mingot A, Maresca A, Thibaudau S, Supuran CT. *Bioorganic & medicinal chemistry* (2013)

Abstract

A series of new, halogen containing N-substituted 4-aminobenzenesulfonamides were synthesized by using superacid HF/SbF₅ chemistry and investigated as inhibitors of several human carbonic anhydrase (hCA, EC 4.2.1.1) isoforms, that is, the cytosolic hCA I and II and, the tumor-associated transmembrane isoforms hCA IX and XII. Despite the substitution of the sulfonamide function, the presence of fluorine atom(s) in β position of the sulfonamide function strongly favors hCA inhibition. A similar effect of the β-fluorinated alkyl substitution on the amino function has been also observed. Among the tested compounds, several chlorinated derivatives have been identified as selective nanomolar, tumor-associated isoforms inhibitors. These non-primary sulfonamides probably bind in the coumarin-binding site, at the entrance of the cavity, and not to the metal ion as the primary sulfonamide inhibitors.

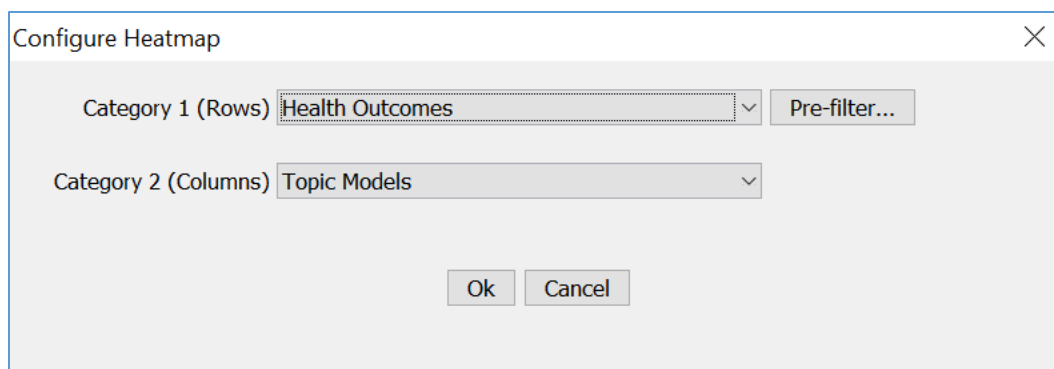
Health Outcomes

Showing 181 of 62210 loaded documents (1 selected; 100 total included; 150 total training docs.)

Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
1			22705188	Superacid synthesis of halogen containing N-substituted-4-aminobenzene s...	2013	Compain G, Martin-Mingot A, Maresca A, Thibaudau S...	Bioorganic & medicinal chemistry
1			21887797	Synthesis and anticancer activity of 13-membered cyclic enedynes.	2011	Sharma M, Joshi MC, Kumar V, Malhotra SV, Rawat DS	Archiv der Pharmazie
1			21863122	Vinyl halides (selected): vinyl fluoride.	2011		Report on carcinogens : carcinogen profiles / U.S. Dept...
1			10420587	Synthesis and antitumor activity of 7-O-[2,6-dideoxy-2-fluoro-5-C-(trifluoro...	1999	Nakai K, Takagi Y, Tsuchiya T	Carbohydrate research
1			2853650	Cytotoxicity of fluorine-containing alkyl alkanesulfonates to cultured leukem...	1988	Ohya Y, Kohda K, Kimoto H, Okano T, Kawazoe Y	Chemical & pharmaceutical bulletin
1			6800374	Specific and direct fluorination of an histidine-containing peptide: Thyrolibe...	1981	Lévine-Pinto H, Bouabdallah B, Morgat JL, Gourdji D, Fr...	Biochemical and biophysical research communications
1			4460648	[Study of toxicity and anti-tumor activity of mixtures of bromine, iodine- an...	1974	Demirchoglian IG, Babasian OV, Galstian DA	Zhurnal eksperimental'noi i klinicheskoi meditsiny
1			5788183	Fluorinated pyrimidines. XXXII. Syntheses of 2',3'-dehydro-5-trifluoromethy...	1969	Khawaja TA, Heidelberger C	Journal of medicinal chemistry
1			5810198	Potential anticancer agents. V. The synthesis and biochemical studies of 5-	1969	Plantadosi C, Kim CS, Irvin JL	Journal of pharmaceutical sciences

Clicking any cell in the heatmap will filter the visible documents to the corresponding subset of the documents. In the example above, the user has clicked the cell for the health outcome “Cancer” and topic model 0; as a result, SWIFT-Review filters the documents to display only the 181 references having both health outcome tag Cancer AND which belong to topic model 0.

To change the Categories shown in the heatmap, simply click “Choose Rows/Columns...” in the upper right corner of the heatmap. You will see a window that allows you to change the categories:



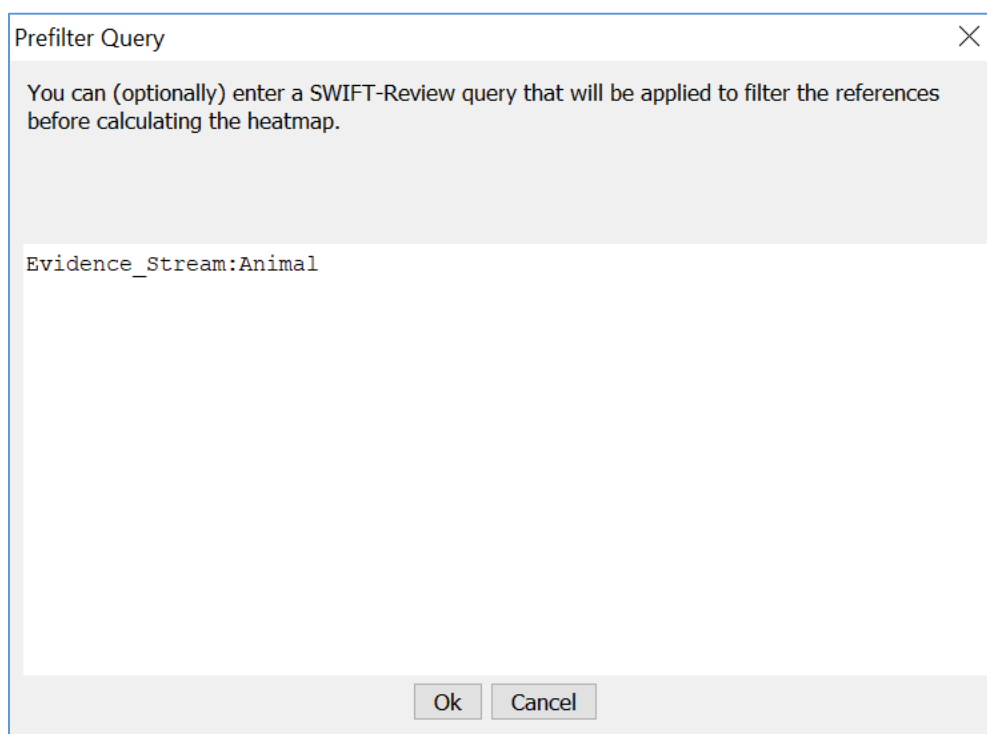
Configure Heatmap

Category 1 (Rows) Health Outcomes Pre-filter...

Category 2 (Columns) Topic Models

Ok Cancel

In addition, you can also (optionally) specify a “pre-filter” to apply to the dataset. For example, to refine the results to show the heatmap data, but ONLY for documents having the Evidence Stream tag of “Animal,” click the “Pre-Filter” button and specify the following query:



Prefilter Query

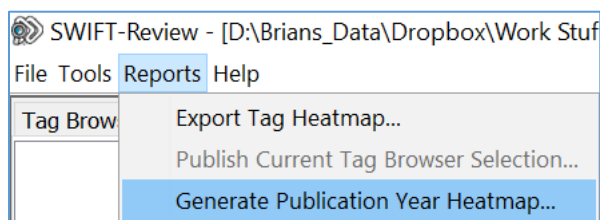
You can (optionally) enter a SWIFT-Review query that will be applied to filter the references before calculating the heatmap.

Evidence_Stream:Animal

Ok Cancel

SWIFT-278: New Publication Year Report

We have added a new report that allows you to create a heatmap that bins publications by publication year within a given Tag Category.



For example, to create a heatmap showing a heatmap of the number of documents for each Health Outcome, by decade, simply choose the following choices from the available options:

Export Publication Year Heatmap

Category
Health Outcomes

Year
1900
2017

Bin Size
10

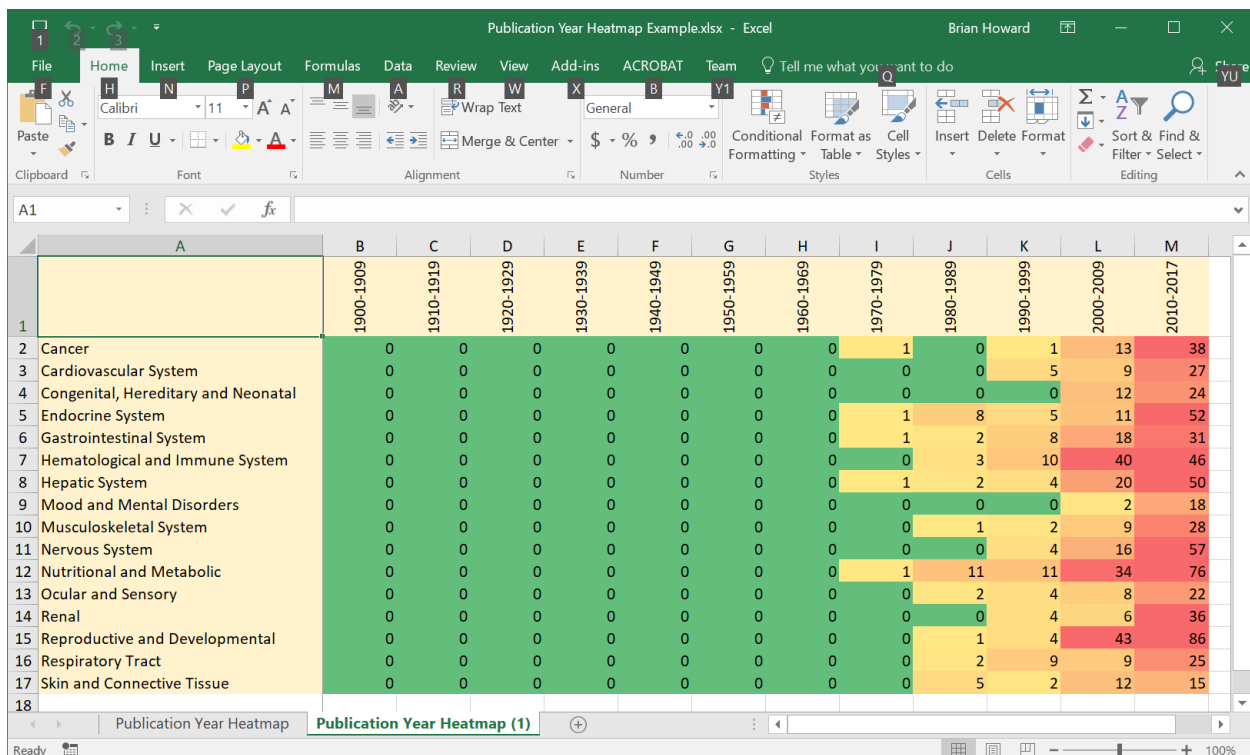
Document Scope
All documents

Sheet Name:
Publication Year Heatmap

Filepath for the results:
ease Notes\Publication Year Heatmap Example.xlsx
Browse...

Ok
Cancel

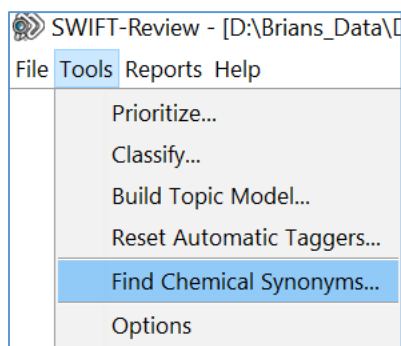
The result is an Excel file containing a heatmap similar to the following:



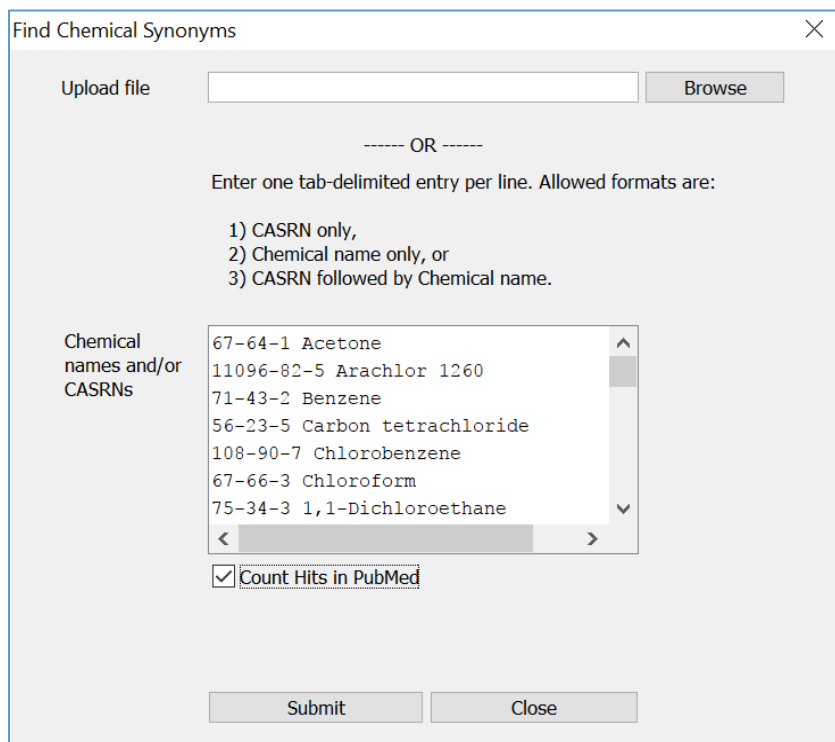
SWIFT-257: Chemical Synonyms Tool

We have added a new tool that allows users to build SWIFT-Review and PubMed queries that target literature for specific chemicals. The tool takes as input a list of chemical names and/or CAS numbers and outputs a query that incorporates various synonyms for those chemicals. The chemical synonym names were computationally curated from the ChemIDPlus database using a procedure described in the [SWIFT-Review manuscript](#).

To use this feature, select Tools > Find Chemical Synonyms...



You should see a window that looks similar to the following. You can either upload a file containing a list of CAS Numbers and/or Chemical names, or you can type them in manually as shown below.



After clicking "Submit" you will be presented with a results list containing PubMed and SWIFT-Review queries as shown below. If you clicked the "Count Hits in PubMed" checkbox, there will be an additional column containing the number of references found in PubMed to match the query.

Original CAS	Original Na...	PubMed Query	SWIFT Query	PMIDs
67-64-1	acetone	"67-64-1"[rn] "acetone"[tiab] "2-propanone"[tiab] "aceton"[tiab] "dimethyl ketone"[tiab] "dimethylformaldehyde"[tiab] "dimethylketal"[tiab] "methyl ketone"[tiab] "propanone"[tiab] "pyroacetic acid"[tiab] "acetone"[nm]	tiab:"67-64-1" tiab:"acetone" tiab:"2-propanone" tiab:"aceton" tiab:"dimethyl ketone" tiab:"dimethylformaldehyde" tiab:"dimethylketal" tiab:"methyl ketone" tiab:"propanone" tiab:"pyroacetic acid" mesh_mh:"acetone"	25205
11096-82-5	arachlor 1260	"11096-82-5"[rn] "arachlor 1260"[tiab] "arochlor 1260"[tiab] "aroclor 1260"[tiab] "phenoclor dp6"[tiab] "polychlorinated biphenyl (aroclor 1260)"[tiab] "aroclor 1260"[nm]	tiab:"11096-82-5" tiab:"arachlor 1260" tiab:"arochlor 1260" tiab:"aroclor 1260" tiab:"phenoclor dp6" tiab:"polychlorinated biphenyl (aroclor 1260)" suppchem:"aroclor 1260"	232
		"71-43-2"[rn] "benzene"[tiab] "(6)annulene"[tiab]	tiab:"71-43-2" tiab:"benzene" tiab:"(6)annulene"	

Batch Query Export Close

From here, you can right click to copy the data to the system clipboard, or you can choose “Export” to send the results to an Excel File. In addition, if you would like to automatically tag the SWIFT-Review documents in the current project using the resulting queries, simply choose the “Batch Query” option at the bottom of the screen.

SWIFT-33: Ability to add new documents to existing project

If you already have a project open in SWIFT-Review and then attempt to open another project or load additional data, you will now see a prompt similar to the following:

Replace or merge

Do you want to replace the existing project or merge the new data with the existing project?

Replace

Merge

Cancel

If you choose “Replace,” SWIFT-Review will simply close your current project and load the new data. On the other hand, if you choose “Merge,” SWIFT-Review will append the newly loaded references to the current project. In some cases, for example when multiple PubMed or HERO projects are loaded, it may be the case that certain references exist in both datasets. When possible, SWIFT-Review will attempt to identify such cases so that the resulting project does not contain duplicates.

In addition, when possible, the software will attempt to merge tags. Sometimes, this can lead to unusual results if, for example, the original project was tagged using an older version of one or more tagging procedures. In such cases, you can always re-tag the documents in SWIFT-Review (Tools > Reset Automatic Taggers...)

When the data load is complete, you should see a new Tag Category in SWIFT-Review called “Document Imports.” Here you will find new tags that can be used to quickly identify the set of original documents as well as the ones that were newly added.

SWIFT-Review - [D:\Brians_Data\Dropbox\Work Stuff\Data Analysis and Support\Archived\NIEHS\2016-07-08 - OHAT - Scoping - Glyphosate\Glyphosate_v3.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Heatmap Browser Prioritized Lists

Document Imports

Tag	Code(s)	Count
Appended Data - Aug 7, 2017 12:21:36 PM		4616
Original Data - Aug 7, 2017 12:21:36 PM		2641
[No Tag]		0

Document Preview Pie Chart Bar Chart

(Bio)degradation of glyphosate in water-sediment microcosms - A stable isotope co-labeling approach.

Wang S, Seiwert B, Kästner M, Miltner A, Schäffer A, Reemtsma T, Yang Q, Nowak KM. *Water research* (2016)

Abstract

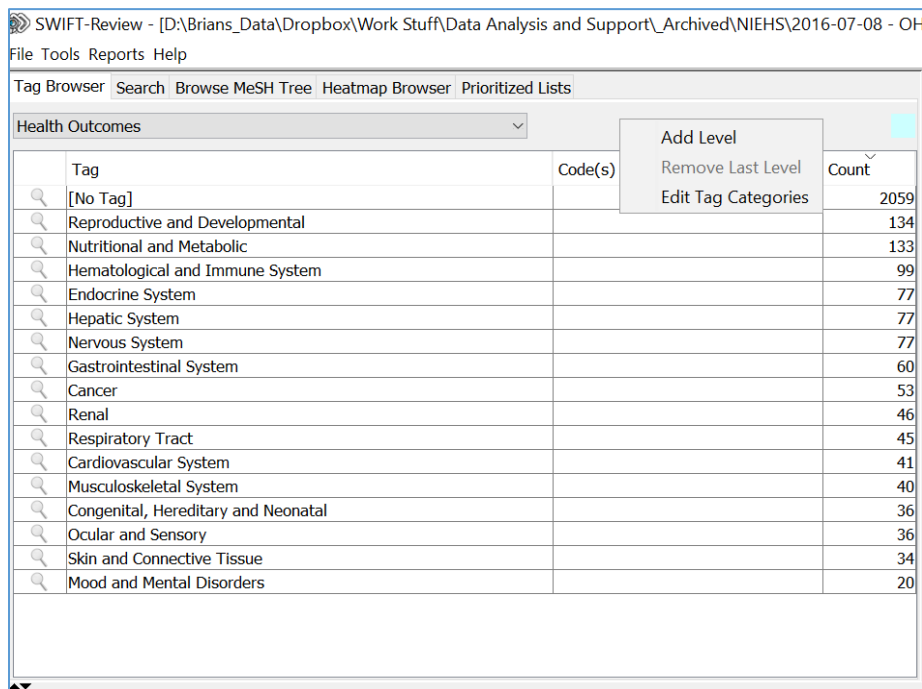
Glyphosate and its metabolite aminomethylphosphonic acid (AMPA) are frequently detected in water and sediments. Up to date, there are no comprehensive studies on the fate of glyphosate in water-sediment microcosms according to OECD 308 guideline. Stable isotope co-labeled (13)C3(15)N-glyphosate was used to determine the turnover mass balance, formation of metabolites, and formation of residues over a period of 80 days. In the water-sediment system, 56% of the initial (13)C3-glyphosate equivalents was ultimately mineralized, whereas the mineralization in the water system (without sediment) was low, reaching only 2% of (13)C3-glyphosate equivalents. This finding demonstrates the low rate of sediment in its degradation.

Showing 2641 of 7257 loaded documents (1 selected; 0 total included; 97 total training docs.)

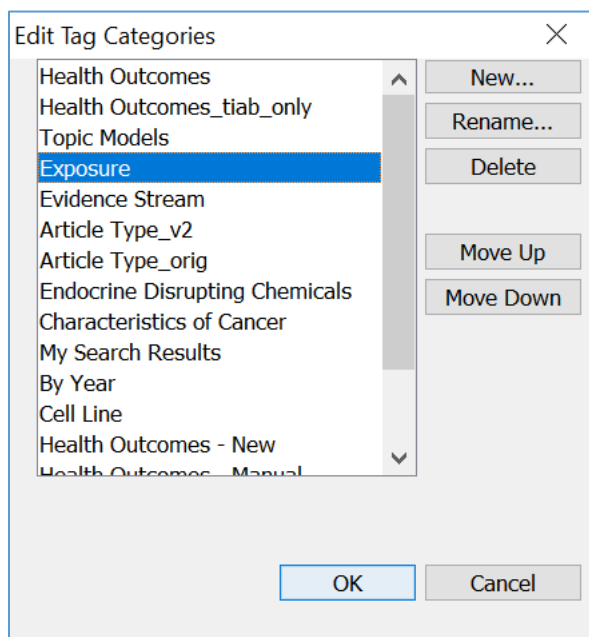
Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27140906	(Bio)degradation of glyphosate in water-sediment microcosms - A stable I...	2016	Wang S, Seiwert B, Kästner M, Miltner A, Schäffer A, R...	Water research
1	<input type="checkbox"/>	<input type="checkbox"/>	27267390	Accumulation and detoxication responses of the gastropod <i>Lymnaea stag...</i>	2016	Lance E, Desprat J, Holbech BF, Gérard C, Bormans M...	Aquatic toxicology (Amsterdam, Netherlands)
1	<input type="checkbox"/>	<input type="checkbox"/>	27096492	Adsorption behavior and mechanism of glufosinate onto goethite.	2016	Xu J, Gu X, Guo Y, Tong F, Chen L	The Science of the total environment
1	<input type="checkbox"/>	<input type="checkbox"/>	27174645	A generalised individual-based algorithm for modelling the evolution of qu...	2016	Liu C, Bridges ME, Kaundun SS, Glasgow L, Owen MD, ...	Pest management science
1	<input type="checkbox"/>	<input type="checkbox"/>	27403652	A Highly Selective and Sensitive Fluorescence Detection Method of Glypho...	2016	Wang D, Lin B, Cao Y, Guo M, Yu Y	Journal of agricultural and food chemistry
1	<input type="checkbox"/>	<input type="checkbox"/>	26840261	Aminomethylphosphonic acid inhibits growth and metastasis of human pr...	2016	Parajuli KR, Zhang Q, Liu S, You Z	Oncotarget
1	<input type="checkbox"/>	<input type="checkbox"/>	26691886	A multicenter retrospective survey of poisoning after ingestion of herbicid...	2016	Kamijo Y, Takai M, Sakamoto T	Clinical toxicology (Philadelphia, Pa.)
1	<input type="checkbox"/>	<input type="checkbox"/>	27036093	A multi-laboratory evaluation of microelectrode array-based measurement...	2016	Vassallo A, Chiappalone M, De Camargos Lopes R, Scel...	Neurotoxicology
1	<input type="checkbox"/>	<input type="checkbox"/>	26443075	Analysis and characterization of anthocyanins and carotenoids in Japanes...	2016	Ooe E, Ogawa K, Horiuchi T, Tada H, Murase H, Tsuru...	Bioscience, biotechnology, and biochemistry
1	<input type="checkbox"/>	<input type="checkbox"/>	26695310	Analysis of glyphosate and aminomethylphosphonic acid in leaves from Co...	2016	Schrübers LC, Masis-Mora M, Rojas EC, Valverde BE, ...	Talanta
1	<input type="checkbox"/>	<input type="checkbox"/>	26454260	Analysis of glyphosate and aminomethylphosphonic acid in water, plant m...	2016	Koskinen WC, Marek LJ, Hall KE	Pest management science
1	<input type="checkbox"/>	<input type="checkbox"/>	27371367	An assessment of dietary exposure to glyphosate using refined determinis...	2016	Stephenson CL, Harris CA	Food and chemical toxicology : an international journal...
1	<input type="checkbox"/>	<input type="checkbox"/>	26754957	A Novel Naturally Occurring Class I 5-Enolpyruvylshikimate-3-Phosphate S...	2016	Yi SY, Cui Y, Zhao Y, Liu ZD, Lin YJ, Zhou F	Scientific reports
1	<input type="checkbox"/>	<input type="checkbox"/>	27390727	Antioxidant Contents and Antioxidant Activities of White and Colored Pota...	2016	Lee SH, Oh SH, Hwang IG, Kim HY, Woo KS, Woo SH, K...	Preventive nutrition and food science
1	<input type="checkbox"/>	<input type="checkbox"/>	26813771	An Unusual Cation-Binding Site and Distinct Domain-Domain Interactions ...	2016	Light SH, Krishna SN, Minasov G, Anderson WF	Biochemistry
1	<input type="checkbox"/>	<input type="checkbox"/>	27421089	Aquatic hazard assessment of MON 0818, a commercial mixture of alkyla...	2016	Rodriguez-Gil JL, Prosser R, Poirier D, Lissemore L, Th...	Environmental toxicology and chemistry / SETAC
1	<input type="checkbox"/>	<input type="checkbox"/>	27420807	Aquatic hazard assessment of MON 0818, a commercial mixture of alkyla...	2016	Rodriguez-Gil JL, Prosser R, Hanta G, Poirier D, Lissem...	Environmental toxicology and chemistry / SETAC
1	<input type="checkbox"/>	<input type="checkbox"/>	27353067	A vegetation assessment finds evidence of both reduced aquatic diversity...	2016	Kuebler A, Wilson A, Cheng CM, Boyer DC	Wetlands ecology...

SWIFT-247, 248: Allow users to delete, rename and reorder tag categories

Users can now delete, rename and modify the Tag Categories. Simply right click in the blank area at the top of the Tag Browser and choose “Edit Tag Categories” from the resulting menu:



You will see a window similar to the following. Note that certain tag categories such as MeSH Terms, etc are not allowed to be changed.



SWIFT-281: Bug Fix – Send to Active Screener issue

We have fixed an issue that sometimes prevented the “Send to Active Screener” functionality from working properly.

SWIFT-273: Bug Fix – asks to save when nothing changed

Previously, upon closing, the software would always prompt the user to save their changes even when nothing had changed. This issue has been fixed.

Version 1.22, Build 1544: 3.17.2017

SWIFT-272: Add ability to include punctuation in search

Normally SWIFT-Review removes punctuation before searching. This is so that searching results are not affected by things like periods at the end of sentences, quotation marks, commas, etc. However, in order to support search for targets like “p <”, we have added some additional search fields that retain punctuation: **tiab_punct**, **title_punct**, **abstract_punct**. Now, if you want to search for “p <”, you will may use syntax like this:

```
tiab_punct:( “p <” )
```

1.21, Build 1530: 2.16.2017

SWIFT-270, 269, 268: Improve Queries in Response to Manual Tagging

The SWIFT-Review Health Outcomes, Evidence Stream and Characteristics of Cancer filters were modified in response to a round of manual tagging and review conducted at NIEHS. In addition the Health Outcomes categories were modified to more closely align with labels used within the organization. The new queries are expected to have higher recall, but lower precision. A decision was made to emphasize recall over precision since it may be important not to miss important articles. Overall specificity is still high.

The new queries will be automatically applied to new projects. For existing projects, re-tagging is optionally available via the command Tools > Reset Automatic Taggers...

SWIFT-263: RIS Export Changes

Minor changes were made to the “Export as RIS” feature to accommodate certain unusual cases and to better conform to file format conventions.

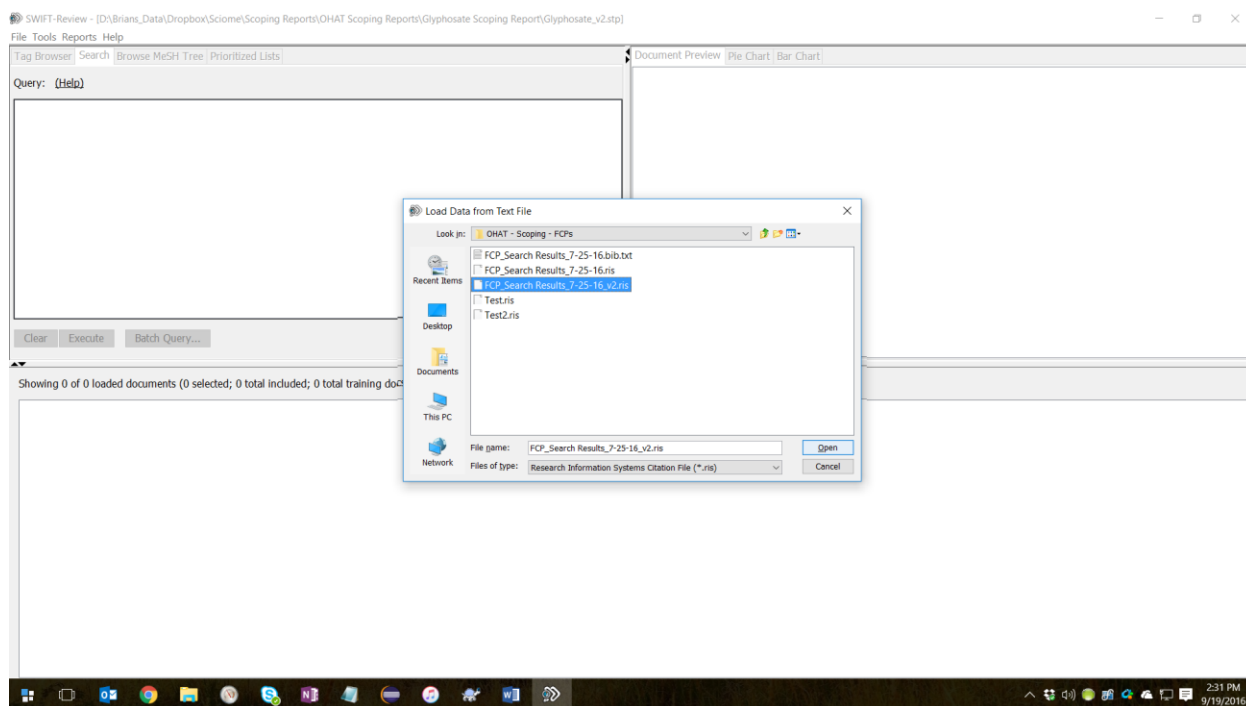
Version 1.20, Build 1296: 9.26.2016

SWIFT-262: Update NCBI API calls to use https

NCBI has changed from http to https. This required internal changes to SWIFT-Review API calls. More info available here: <https://www.ncbi.nlm.nih.gov/home/develop/https-guidance.shtml>

SWIFT-141/251/252: Support for Non-PubMed articles and RIS Import

It is now possible to load titles and abstracts from sources besides PubMed. You may now import any file in RIS format: choose **File > Load Text File...** and select “**Research Information Systems Citation File (*.ris)**” in the “Files of Type” dropdown. (Support for the Bibtext record format and EndNote XML will come in a future update).



Each record imported will be assigned a unique “SWIFT ID.” For records originating from PubMed, this will simply be the standard PMID. For other databases, a unique key will be assigned automatically. You can see the SWIFT ID at the bottom of the Document Preview window:

SWIFT-Review - (D:\Brains_Data\Dropbox\Sciome\Scoping Reports\Scoping Phase I\Feminine Care Products Scoping Report\FCP.stp)

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Prioritized Lists

Health Outcomes

Tag	Code(s)	Count
Reproductive and Developmental		10880
[No Tag]		3455
Hematological and Immune System		2017
Musculoskeletal System		1436
Renal		1366
Cancer		1222
Ocular and Sensory		1129
Endocrine System		1065
Nervous System		971
Congenital, Hereditary and Neonatal		856
Nutritional and Metabolic		720
Gastrointestinal System		694
Skin and Connective Tissue		692
Cardiovascular System		691
Respiratory Tract		439
Mood and Mental Disorders		271
Hepatic System		154

Document Preview Pie Chart Bar Chart

▼ Topic Models

- Topic 12: cervical, hpv, cancer, samples, test, detection, vaginal, human, dna, women (38%)
- Topic 10: health, women, care, menstrual, research, girls, women's, study, knowledge, menstruation (23%)
- Topic 13: women, vaginal, douching, risk, study, sex, sexual, infection, factors, sexually (22%)
- Topic 4: pregnancy, birth, progesterone, preterm, age, weeks, study, women, gestational, group (13%)
- Topic 15: patients, pain, group, study, women, incontinence, urinary, pelvic, results, surgery (5%)

▼ Exposure

▼ Evidence Stream

- Human (100%)

▼ Article Type

▼ Endocrine Disrupting Chemicals

▼ Tox21 Chemicals

▼ Pharmacological Actions

▼ MeSH

▼ Supplementary Chemicals

▼ MeSH Publication Types

▼ Accession Number

- SWIFT ID
- s4956
- Database (Accession Number)
- WoS (WOS:000372137400008)

Showing 10880 of 16976 loaded documents (1 selected; 0 total included; 0 total training docs.)

Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
0.172	<input type="checkbox"/>	<input type="checkbox"/>	s5329	A QUALITATIVE STUDY OF OBSTACLES TO DIAPHRAGM AND CONDOM US...	2012	Kacanek, D., Dennis, A., Sahin-Hodoglugil, N. N., Montgo...	Aids Education and Prevention
0.173	<input type="checkbox"/>	<input type="checkbox"/>	s2022	A qualitative study to defi(dotless)ne, knowledge, attitudes and practices of a...	2012	Satiroglu, N., Hidroglu, S., Karavus, M.	TAF Preventive Medicine Bulletin
0.019	<input type="checkbox"/>	<input type="checkbox"/>	25818602	A quantitative multiplex nuclease protection assay reveals immunotoxicity gen...	2015	Fichorova, R. N., Mendonca, K., Yamamoto, H. S., Murray...	Toxicol Appl Pharmacol
0.173	<input type="checkbox"/>	<input type="checkbox"/>	s4956	A questionnaire study on the acceptability of self-sampling versus screening b...	2016	Ko, J. K. Y., Yung, S. S. F., Seto, M. T. Y., Lee, C. P.	Journal of the Chinese Medical Association
0.173	<input type="checkbox"/>	<input type="checkbox"/>	26384618	A questionnaire study on the acceptability of self-sampling versus screening b...	2016	Ko, J. K., Yung, S. S., Seto, M. T., Lee, C. P.	J Chin Med Assoc
0.172	<input type="checkbox"/>	<input type="checkbox"/>	s185	A RANDOMISED, CONTROLLED STUDY TO ASSESS THE EFFICACY AND SA...	2013	Mending, W., Caserini, M., Palmieri, R.	Sexually Transmitted Infections

Also shown are the original database, if provided in the import file, and the original accession number. In this case, the record originated from Web of Science. Also note that SWIFT-Review does not perform record de-duplication, so this step should be performed prior to importing.

SWIFT-260: Search strategy details accessible from Help menu

Now you can choose **Help > Search Strategies** to view a document that contains the details of the search strategies used for various SWIFT-Review tags

SWIFT-261: Characteristics of Cancer tags

We have included new tags for Characteristics of Cancer. Details can be viewed under **Help > Search Strategies**.

SWIFT-249/259: Updated Health Outcome queries

We have updated the search strategies for the SWIFT-Review health outcomes to better align with the health outcome categories used at NIEHS. In addition, for articles that do not have associated MeSH terms, title and abstract terms derived from text-mining are used instead. Details for the Health Outcomes search strategy is available online from the help menu: **Help > Search Strategies**.

SWIFT-239: Byte Order Markers

In certain case files (such as PMID Lists, RIS files, etc) that are exported from other programs including EndNote may contain an initial series of special characters called "byte order markers." These characters, which may be invisible in an ordinary text editor, are supposed to be used to indicate details of the character encoding used in the document. When present, these characters were previously causing problems during import into SWIFT-Review. This problem has been fixed.

SWIFT-79: Shuffle command

In some cases, it can be helpful to have a randomized list of articles in your project. For example, you may need a random sample to build a training set for machine learning, or you may be interested in validating the precision and recall of a custom query in SWIFT-Review. To “shuffle” the currently displayed articles in random order, right click in the document list and choose the shuffle command:

The screenshot displays the SWIFT-Review application window. The top menu bar includes 'File', 'Tools', 'Reports', and 'Help'. Below the menu is a 'Tag Browser' with a search bar and a 'MeSH Tree' view. The 'MeSH Tree' shows a hierarchy of health outcomes, with 'Gastrointestinal System' selected. The main panel displays a list of documents with columns for 'Score', 'Training Item?', 'Included?', 'RefID', 'Title', 'Year', 'Authors', and 'Journal'. The document list is sorted by 'Score' in descending order. The 'Shuffle' command is highlighted in the context menu. The right panel shows the 'Document Preview' for the selected document, 'Glyphosate, pathways to modern diseases II: Celiac sprue and gluten intolerance.' by Samsel A, Seneff S. (2013). The abstract is visible, discussing the growing problem of celiac disease and its association with gluten intolerance.

Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
0.01	<input type="checkbox"/>	<input type="checkbox"/>	15644513	Nutrient digestibility in sheep fed diets containing Roundup Ready or convent...	2005	Hartnell GF, Hvelplund T, Weisbjerg MR	Journal of animal science
0.01	<input type="checkbox"/>	<input type="checkbox"/>	12778588	Effects of feeding silage and grain from glyphosate-tolerant or insect-protected...	2003	Donkin SS, Velez JC, Totten AK, Stanislevski EP, Hartnell ...	Journal of dairy science
0.01	<input type="checkbox"/>	<input type="checkbox"/>	12951475	Preparation and rectal absorption of high	2003	Koga K, Kawashima S, Shibata N, Takada K, Murakami M	Biological & pharmaceutical bulletin
0.01	<input type="checkbox"/>	<input type="checkbox"/>	6624478	Effects of phenoxyherbicides and glypho	1983	Hietanen E, Linnainmaa K, Vainio H	Acta pharmacologica et toxicologica
0.009	<input type="checkbox"/>	<input type="checkbox"/>	15137918	Relative stability of transgene DNA fragm	2004	Sharma R, Alexander TW, John SJ, Forster RJ, McAllister ...	The British journal of nutrition
0.007	<input type="checkbox"/>	<input type="checkbox"/>	25577783	Clostridium tertium bacteremia in a patie	2015	You MJ, Shin GW, Lee CS	The American journal of case reports
0.007	<input type="checkbox"/>	<input type="checkbox"/>	23291146	Determination of glyphosate and AMPA i	2013	Zouaoui K, Dulaurent S, Gaulier JM, Moesch C, Lachâtre G	Forensic science international
0.007	<input type="checkbox"/>	<input type="checkbox"/>	21981851	[A fatal acute poisoning with glyphosate:	2011	Frappart M, Vouriot D, Lemoine L, Floch T, Leon A	Annales françaises d'anesthésie et de réanimation
0.007	<input type="checkbox"/>	<input type="checkbox"/>	17181873	Conventional and real-time polymerase c	2006	Alexander TW, Reuter T, Okine E, Sharma R, McAllister TA	The British journal of nutrition
0.007	<input type="checkbox"/>	<input type="checkbox"/>	15778316	Nutrient content of whole cottonseed.	2005	Bertrand JA, Sudduth TQ, Condon A, Jenkins TC, Calhou...	Journal of dairy science
0.007	<input type="checkbox"/>	<input type="checkbox"/>	12391907	Nutritional evaluation of genetically modi	2002	Chrenková M, Sommer A, Ceresnáková Z, Nitrayová S, Pr...	Archiv für Tierernährung
0.007	<input type="checkbox"/>	<input type="checkbox"/>	10986892	[Poisonings with the herbicides glyphosate and glyphosate-trimesium].	2000	Mortensen OS, Sørensen FW, Gregersen M, Jensen K	Ugeskrift for læger
0.007	<input type="checkbox"/>	<input type="checkbox"/>	8598557	The feeding value of soybeans fed to rats, chickens, catfish and dairy cattle is ...	1996	Hammond BG, Vicini JL, Hartnell GF, Naylor MW, Knight C...	The Journal of nutrition
0.007	<input type="checkbox"/>	<input type="checkbox"/>	1675099	Intentional self-poisoning with glyphosate-containing herbicides.	1991	Menkes DB, Temple WA, Edwards JR	Human & experimental toxicology
0.004	<input type="checkbox"/>	<input type="checkbox"/>	24068468	Mouthparts of southern leopard frog, Lithobates sphenocephalus, tadpoles not...	2013	Hanlon SM, Lynch KJ, Parris MJ	Bulletin of environmental contamination and toxicology
0.004	<input type="checkbox"/>	<input type="checkbox"/>	19013644	Genotoxicity of AMPA, the environmental metabolite of glyphosate, assessed b...	2009	Mafias F, Peralta L, Raviolo J, Garcia Ovando H, Weyers A...	Ecotoxicology and environmental safety
0.004	<input type="checkbox"/>	<input type="checkbox"/>	18835430	Hepatoma tissue culture (HTC) cells as a model for investigating the effects of ...	2008	Malatesta M, Perdoni F, Santin G, Battistelli S, Muller S, Bl...	Toxicology in vitro : an international journal published in ...
0.004	<input type="checkbox"/>	<input type="checkbox"/>	9208024	[Late pseudo-appendicular syndrome after Roundup poisoning].	1997	Delcenserie R, Yzet T, Duchmann JC, Delamarre J, Dupas ...	Gastroentérologie clinique et biologique
0.004	<input type="checkbox"/>	<input type="checkbox"/>	2893109	Probable toxicity of surface-active agent in commercial herbicide containing gl...	1988	Sawada Y, Nagai Y, Ueyama M, Yamamoto I	Lancet (London, England)
0.004	<input type="checkbox"/>	<input type="checkbox"/>	164550	Potential inhibitors of L-asparagine biosynthesis. 2. Chemistry and biological a...	1975	Mokotoff M, Bagaglio JF, Parikh BS	Journal of medicinal chemistry

SWIFT-250: Active Screener Integration (beta)

If you have access to the beta version of SWIFT-Active Screener, then you can now export articles directly from SWIFT-Review to SWIFT-Active Screener.

SWIFT-Review - [D:\Brians_Data\Dropbox\Work Stuff\Data Analysis and Support\Archived\OHAT - Vickie Walker - Transgenerational\Transgenerational\Transgenerational_small.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Prioritized Lists

Health Outcomes

Tag	Code(s)	Count
Bacterial Infections and Mycoses		1012
Female Urogenital Diseases and Pregnancy Complications		952
Congenital, Hereditary, and Neonatal Diseases and Abnormalities		885
[No Tag]		824
Nervous System Diseases		818
Virus Diseases		785
Nutritional and Metabolic Diseases		772
Immune System Diseases		708
Cardiovascular Diseases		690
Neoplasms		676

Document Preview Pie Chart Bar Chart

SPRINT II: a second generation single photon ring tomograph.

Rogers WL, Clinthorne NH, Shao L, Chiao P, Ding Y, Stamos JA, Koral KF. *IEEE transactions on medical imaging* (1988)

▼ Abstract

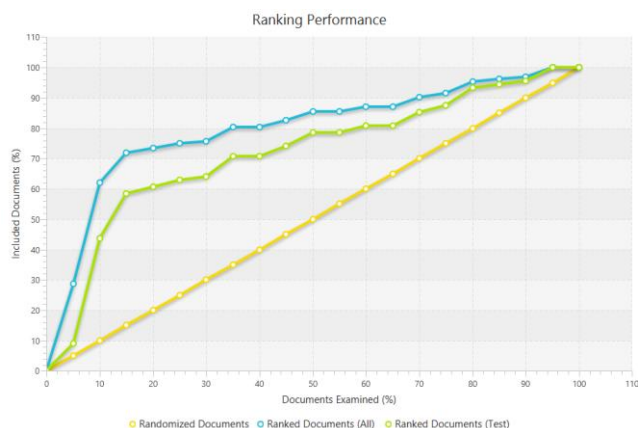
SPRINT II is a stationary detector ring tomograph designed for brain imaging. Eleven two-dimensional sodium iodide camera modules that use maximum-likelihood position logic are arranged in a 50-cm-diameter ring with a scintillator packing fraction of 96%. A 34-cm-diameter rotating lead aperture ring containing either 10 or 12 slits is used for in-plane collimation, while the z-axis collimator is constructed of parallel lead foil rings. The field of view is 22 cm in diameter by 1.2 cm long. Sensitivity is 10 counts/s/muCi for an on-axis (99m)Tc point

Showing 4964 of 4964 loaded documents (16 selected; 132 total included; 100 total training docs.)

Score	Training Item?	Included?	RefID	Title	Year	Authors	Journal
0	<input type="checkbox"/>	<input type="checkbox"/>	3352776	Platinum-radiation interactions.	1988	Douple EB	NCI monographs : a publication of the National Cancer ...
0	<input type="checkbox"/>	<input type="checkbox"/>	18230481	SPRINT II: a second generation single photon ring tomograph.	1988	Rogers WL, Clinthorne NH, Shao L, Chiao P, Ding Y, Sta...	IEEE transactions on medical imaging
0	<input type="checkbox"/>	<input type="checkbox"/>	2896159	A HindIII RFLP and a gene lesion in the coagulation factor VIII gene.	1988	Bernardi F, Legnani C, Volinia S, Patracchini P, Rodorigo...	Human genetics
0	<input type="checkbox"/>	<input type="checkbox"/>	2892691	Transformation of Tetrahymena thermophila by electroporation and param...	1988	Brunk CF, Navas P	Experimental cell research
0	<input type="checkbox"/>	<input type="checkbox"/>	2844429	Human monkeypox: secondary attack rates.	1988	Jezek Z, Grab B, Szczeniowski MV, Paluku KM, Mutomb...	Bulletin of the World Health Organization
0	<input type="checkbox"/>	<input type="checkbox"/>	3812451	Inbreeding and prereproductive mortality in the Old Order Amish, I. Genea...	1987	Khouri MJ, Cohen BH, Diamond EL, Chase GA, McKusic...	American journal of epidemiology
0	<input type="checkbox"/>	<input type="checkbox"/>	3689697	Familial elevation of plasma histidine-rich gly...		Engesser L, Kluff C, Birk E, Brommer EJ	British journal of haematology
0	<input type="checkbox"/>	<input type="checkbox"/>	2882911	Antidepressant drugs: imipramine, mianserin		Boschmans SA, Perkin MF, Terblanche SE	Comparative biochemistry and physiology. C, Comparati...
0	<input type="checkbox"/>	<input type="checkbox"/>	3558660	Hospital routine analysis of penicillins, third-g...		Johl F, Birkel P, Montell H	Journal of chromatography
0	<input type="checkbox"/>	<input type="checkbox"/>	16593886	Sex pheromone production and perception in [Experiences with cefazidime in the therapy		Rozdolski W, Glover T, Tang XH, Sreng I, Robbins P, Ecke...	Proceedings of the National Academy of Sciences of the...
0	<input type="checkbox"/>	<input type="checkbox"/>	3312037	Remove Tag from Selected...		de Looze J	Infection
0	<input type="checkbox"/>	<input type="checkbox"/>	3605502	Transovarial and transstadial passage of Bor...		Lane RS, Burgdorfer W	The American journal of tropical medicine and hygiene
0	<input type="checkbox"/>	<input type="checkbox"/>	3815361	Naturally occurring clones of cells with high i...		Smeds S, Peter HD, Jörtsö E, Gerber H, Studer H	Cancer research
0	<input type="checkbox"/>	<input type="checkbox"/>	3551846	[Second generation cisplatin analogs].		Ariyoshi Y, Ota K	Gan to kagaku ryoho. Cancer & chemotherapy
0	<input type="checkbox"/>	<input type="checkbox"/>	2583441	Steady pressure-flow relationship in a cast of		Ben Jebria A, Tabka Z, Techoyeres P	International journal of bio-medical computing
0	<input type="checkbox"/>	<input type="checkbox"/>	2595734	Familial diabetes aggregation in type I diabetes: gestational diabetes an a...	1987	Dörner G, Plogemann A, Reinhold H	Experimental and clinical endocrinology
0	<input type="checkbox"/>	<input type="checkbox"/>	2551000	Determinants of salvage of jeopardized myocardium after coronary thromb...	1987	Baigunas SR, Fox KA, Ludbrook PA	Cardiology clinics
0	<input type="checkbox"/>	<input type="checkbox"/>	3100904	Immunology of tuberculosis: new directions in research.	1987	Lombardi G, Del Gallo F, Vismara D, Piccolella E, Colizzi V	La Ricerca in clinica e in laboratorio
0	<input type="checkbox"/>	<input type="checkbox"/>	3322957	Familial giant hypertrophic gastritis (Ménétrier's disease).	1987	Larsen B, Tarp U, Kristensen E	Gut
0	<input type="checkbox"/>	<input type="checkbox"/>	3565303	Primary adult lactose malabsorption in Italy: regional differences in preval...	1987	Cavalli-Sforza LT, Strata A, Barone A, Cucurachi L	The American journal of clinical nutrition

SWIFT-244: Add test set curve to ranking performance

The Recall curve shown for prioritized lists now includes a separate curve for items in your “test set.” The test set is defined by checking “Included?” for a set of known relevant items, but **not** checking the “Training Item?” box for those same items. The test set performance can provide a more realistic estimate of the expected performance on the remaining unlabeled items.



SWIFT-127: Ranker: auto-balance training items with under-sampling

Previously, users were advised to select an equal number of positive and negative instances when training a machine learning model. Now, in order to simplify the process for users, SWIFT-Review will use under-

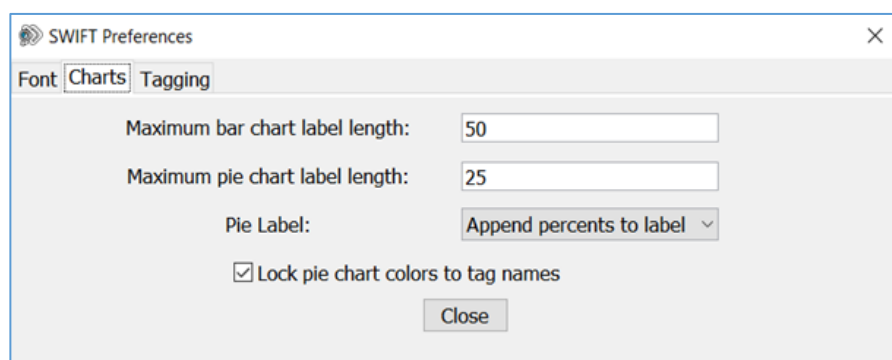
sampling to automatically balance the items in the training set. Thus, it is no longer necessary to select equal numbers of positive and negative items

SWIFT-258: Built-in batch query causing [No Tag] counts to be wrong

In a few unusual cases, the displayed count for [No Tag] in SWIFT-Review could be incorrect. This has been fixed.

SWIFT-240: Limit Length of displayed tag names in bar chart

In certain scenarios, very long tag names could previously cause problems in the bar chart display. To prevent this, users can now specify the maximum length for bar chart labels in the SWIFT-Review preferences:



SWIFT-246: Bad mesh term query bug

Previously, if a SWIFT-Review query uses the field mesh_mh and the mesh term queried does not actually exist, unpredictable results could sometimes be returned. This problem has been fixed.

SWIFT-243: Bug in pharm actions tags

In the previous software, there was a bug that caused Pharmacological actions tags to not be appropriately applied in certain situations. This has been fixed.

SWIFT-226: Command-Q problem on Mac

Previously, using Command-Q to quit the program on Mac computers would not prompt the user if they want to save their changes. In addition, user changes to preferences were not save under this scenario. This problem has been fixed.

SWIFT-241: Problem with excel export: fails if cell contents > 32000 chars

Previously, exporting document lists to excel could fail when the contents of an individual cell exceeded 32,000 characters. For example, some documents may have very long author lists and go over this limit. In the updated software, all fields will be automatically truncated at 32,000 characters.

SWIFT-179: Charts font not effected by font size option

Previously, the fonts displayed in the Bar and Pie Charts views were not adjusted based on the user's font size selection. This has been fixed.

Version 1.15, Build 1076: 5.23.2016

SWIFT-229: Tag Browser Report

You can now export the current selections in the tag browser to Excel to create detailed scoping reports. For example:

Step 1

The screenshot displays the SWIFT-Review application interface. The top menu bar includes File, Tools, Reports, and Help. The 'Tag Browser' panel on the left shows a list of tags with their counts. The 'Health Outcomes' panel on the right shows a list of health outcomes with their counts. The 'Document Preview' panel on the right shows the title 'Amyotrophic lateral sclerosis and ocular flutter.' and the abstract text. The bottom panel shows a table of documents with columns for Score, Training Item?, Included?, PMID, Title, Year, Authors, and Journal.

Tag	Co...	Count
Human		40178
Animal		26079
In Vitro		4182
Plant		1331
[No Tag]		464

Tag	C...	Count
[No Tag]		37844
Cardiovascular Diseases		4962
Sleep Disorders		3972
Nervous System Diseases		3943
Nutritional and Metabolic Disease...		2180
Mood and Mental Disorders		1857
Neoplasms		1639
Endocrine System Diseases		1621
Respiratory Tract Diseases		1355
Female Urogenital Diseases and...		1336
Immune System Diseases		1224
Eye, Ear and Throat Diseases		1180
Male Urogenital Diseases		937
Digestive System Diseases		841

Amyotrophic lateral sclerosis and ocular flutter.

Balaratnam MS, Leshchiner GD, Seemungal BM, Bronstein AM, Guilloff RJ. *Amyotrophic lateral sclerosis : official publication of the World Federation of Neurology Research Group on Motor Neuron Diseases (2010)*

Abstract

A previously unreported association of amyotrophic lateral sclerosis and ocular flutter is presented. It is hypothesized that initial loss of brainstem inhibitory interneurons resulted in disinhibition of burst interneurons and that the ocular flutter subsequently disappeared as burst interneurons also became affected by the disease process. The association adds clinical evidence of involvement of brainstem interneurons to other evidence of involvement of neurons other than motor neurons in the disease process.

Health Outcomes

Nervous System Diseases (63%)
Nutritional and Metabolic Diseases (36%)

Showing 3943 of 58283 loaded documents (1 selected; 40 total included; 99 total training docs.)

Score	Training Item?	Included?	PMID	Title	Year	Authors	Journal
0.3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1953452	Amyotrophic lateral sclerosis and ocular flutter.	2010	Balaratnam MS, Leshchiner GD, Seemungal BM, Bronstein AM, Guilloff RJ.	Amyotrophic lateral sclerosis : official publication of th...
0.498	<input type="checkbox"/>	<input type="checkbox"/>	19029033	Spontaneous axial myopia and emmetropization in a strain of wild-type gu...	2009	Jiang L, Schaeffel F, Zhou X, Zhang S, Jin X, Pan M, Ye ...	Investigative ophthalmology & visual science
0.328	<input type="checkbox"/>	<input type="checkbox"/>	18056748	Effort-reward imbalance and incidence of low back and neck injuries in Sa...	2008	Rugulies R, Krause N	Occupational and environmental medicine
0.304	<input type="checkbox"/>	<input type="checkbox"/>	10835461	Brain tissue sodium is a ticking clock telling time after arterial occlusion in...	2000	Wang Y, Hu W, Perez-Trepichio AD, Ng TC, Furlan AJ, ...	Stroke; a journal of cerebral circulation
0.277	<input type="checkbox"/>	<input type="checkbox"/>	8353926	Blunted nocturnal fall in blood pressure in hypertensive women with future...	1993	Verdecchia P, Schillaci G, Gatteschi C, Zampi I, Battiste...	Circulation
0.214	<input type="checkbox"/>	<input type="checkbox"/>	24771567	Ultraviolet B light attenuates the systemic immune response in central ner...	2014	Breuer J, Schwab N, Schneider-Hohendorf T, Marziniak ...	Annals of neurology
0.211	<input type="checkbox"/>	<input type="checkbox"/>	12325386	Effects of middle cerebral artery occlusion on spontaneous activity and co...	2002	Willing AE, Jiang L, Nowicki P, Poulos S, Milliken M, Cah...	The International journal of neuroscience
0.206	<input type="checkbox"/>	<input type="checkbox"/>	6822783	Differences in the seasonal rhythmicity of plasma prolactin in elderly huma...	1983	Toutou Y, Carayon A, Reinberg A, Bogdan A, Beck H	The Journal of endocrinology
0.203	<input type="checkbox"/>	<input type="checkbox"/>	19357052	Correlations between autonomic dysfunction and circadian changes and ar...	2009	Doğru MT, Aydın G, Tosun A, Keleş I, Güneri M, Arslan ...	Anadolu kardioloji dergisi : AKD = the Anatolian journ...
0.198	<input type="checkbox"/>	<input type="checkbox"/>	24687146	Sleep and circadian rhythm regulation in early Parkinson disease.	2014	Breen DP, Vuono R, Nawaratna U, Fisher K, Shneerso...	JAMA neurology
0.195	<input type="checkbox"/>	<input type="checkbox"/>	5936789	[Frequency of morbidity caused by derangement of the central nervous sy...	1966	Rusu O	Archives des maladies professionnelles de médecine d...
0.188	<input type="checkbox"/>	<input type="checkbox"/>	22823874	Alterations of locomotor activity rhythm and sleep parameters in patients ...	2012	Lanzani MF, de Zavallá N, Fontana H, Sarmiento MI, Go...	Chronobiology international
0.186	<input type="checkbox"/>	<input type="checkbox"/>	3710170	Age-related changes in both circadian and seasonal rhythms of rectal tem...	1986	Toutou Y, Reinberg A, Bogdan A, Auzéby A, Beck H, T...	Gerontology
0.183	<input type="checkbox"/>	<input type="checkbox"/>	16330896	Circadian blood pressure and heart rate changes in patients in a persisten...	2005	Pattoneri P, Tirabassi G, Pelá G, Astorri E, Mazzocchi A...	Journal of clinical hypertension (Greenwich, Conn.)
0.175	<input type="checkbox"/>	<input type="checkbox"/>	12843352	Dynamic autoregulation testing in patients with middle cerebral artery ste...	2003	Haubrich C, Kraska W, Diehl RR, Möller-Hartmann W, K...	Stroke; a journal of cerebral circulation
0.174	<input type="checkbox"/>	<input type="checkbox"/>	23130962	Circadian rhythms in the efficacy of intravenous alteplase in patients with	2012	Vilas D, Gomis M, Blanco M, Cortés J, Millán M, Pérez d...	Chronobiology international

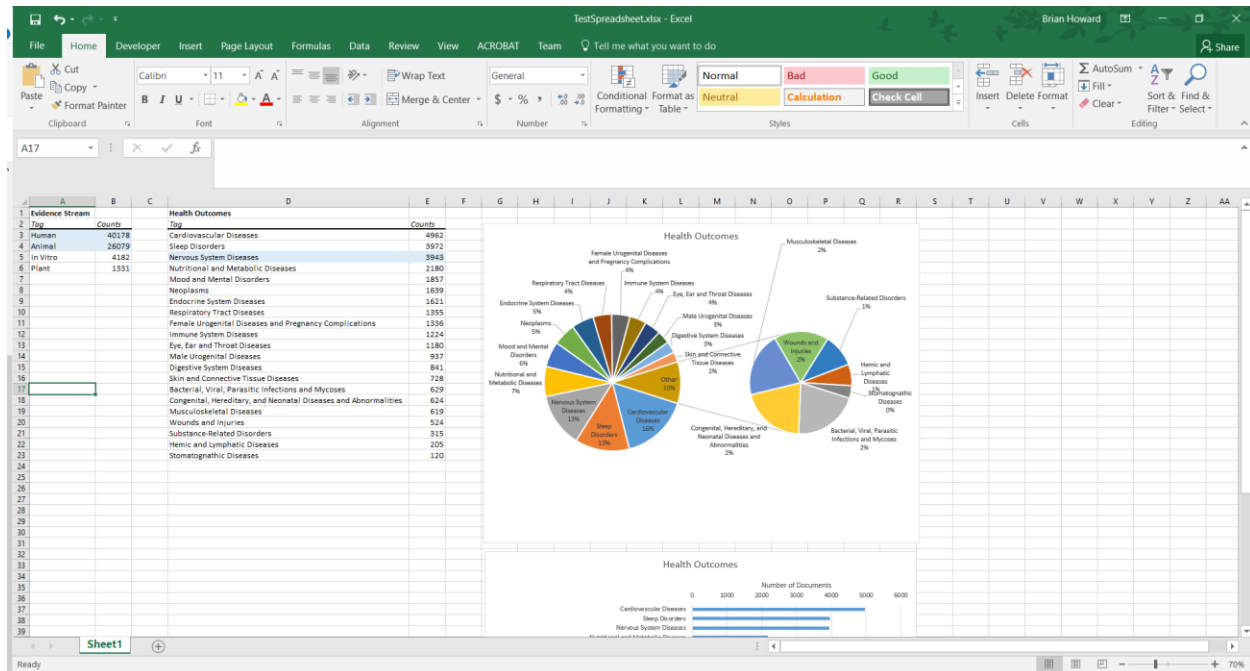
Step 2

✕

Filepath for the results:

☒ Include bar chart
☒ Include pie chart
☐ Include 'No Tag' items
☐ Include items with zero counts

Step 3 (Results)



SWIFT-228: Modify existing excel reports to allow combination

In many cases, you can now automatically combine excel output from SWIFT-Review into a single spreadsheet using separate worksheets for each page in your “report.” For example:

Step 1 (Export tag heatmap)

Export Tag Heatmap

Category 1 (Rows)

Health Outcomes

Category 2 (Columns)

Evidence Stream

Document Scope:

All documents

Sheet Name:

Tag Heatmap

Filepath for the results:

Browse...

Ok

Cancel

Step 2 (Choose existing Excel file)

SWIFT-Review - [LSIome\SWIFT\SWIFT Data\Light at Night and Circadian\Light at Night and Circadian_05.18.2016.stp]

File Tools Reports Help

Tag Browser Search Browse MeSH Tree Prioritized Lists

Evidence Stream

Health Outcomes

Showing 3943 of 58283 loaded documents (1 selected; 40 total included; 99 to

Score	Training Item?	Included?	PMID	Title
0.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1953452	Amyotrophic lateral scler...
0.498	<input type="checkbox"/>	<input type="checkbox"/>	19029033	Spontaneous axial myopia
0.328	<input type="checkbox"/>	<input type="checkbox"/>	18056748	Effort-reward imbalance a
0.304	<input type="checkbox"/>	<input type="checkbox"/>	10835461	Brain tissue sodium is a t
0.277	<input type="checkbox"/>	<input type="checkbox"/>	8353926	Blunted nocturnal fall in blood pressure in hypertensive women with future...
0.214	<input type="checkbox"/>	<input type="checkbox"/>	24771567	Ultraviolet B light attenuates the systemic immune response in central ner...
0.211	<input type="checkbox"/>	<input type="checkbox"/>	12325386	Effects of middle cerebral artery occlusion on spontaneous activity and co...
0.206	<input type="checkbox"/>	<input type="checkbox"/>	6822783	Differences in the seasonal rhythmicity of plasma prolactin in elderly huma...
0.203	<input type="checkbox"/>	<input type="checkbox"/>	19357052	Correlations between autonomic dysfunction and circadian changes and ar...
0.198	<input type="checkbox"/>	<input type="checkbox"/>	24687146	Sleep and circadian rhythm regulation in early Parkinson disease.
0.195	<input type="checkbox"/>	<input type="checkbox"/>	5936789	[Frequency of morbidity caused by derangement of the central nervous sy...
0.188	<input type="checkbox"/>	<input type="checkbox"/>	22823874	Alterations of locomotor activity rhythm and sleep parameters in patients...
0.186	<input type="checkbox"/>	<input type="checkbox"/>	3710170	Age-related changes in both circadian and seasonal rhythms of rectal tem...
0.183	<input type="checkbox"/>	<input type="checkbox"/>	16330896	Circadian blood pressure and heart rate changes in patients in a persisten...
0.175	<input type="checkbox"/>	<input type="checkbox"/>	12843352	Dynamic autoregulation testing in patients with middle cerebral artery ste...
0.174	<input type="checkbox"/>	<input type="checkbox"/>	23130062	Circadian rhythms in the efficacy of intravenous alteplase in patients with...

Save to:

Light at Night and Circadian

Backup

Concepts

Disease

Health Outcomes 2

MeSH Update (Nov 4.3.14.2016)

New Folder

Orig Shiftwork

CardioMeshFin

Health Effects

Health Effects

NoMeshCodex

TagGrid2.xlsx

File name:

TestSpreadsheet.xlsx

Files of type:

Excel Workbook

Save

Cancel

Document Preview

Pie Chart

Bar Chart

Amyotrophic lateral sclerosis and ocular flutter.

Balaratnam MS, Leschziner GD, Seemungal BM, Bronstein AM, Guillof RJ. *Amyotrophic lateral sclerosis : official publication of the World Federation of Neurology Research Group on Motor Neuron Diseases (2010)*

▼ Abstract

Amyotrophic lateral sclerosis and ocular flutter is presented. It is inhibitory interneurons resulted in disinhibition of burst interneurons appeared as burst interneurons also became affected by the disease nce of involvement of brainstem interneurons to other evidence of neurons in the disease process.

Journal

ngal BM, Bronst... Amyotrophic lateral sclerosis : official publication of th...

lin X, Pan M, Ye... Investigative ophthalmology & visual science

Occupational and environmental medicine

Stroke; a journal of cerebral circulation

TC, Furlan AJ, ... Annals of neurology

Circulation

The Journal of endocrinology

The International journal of neuroscience

JAMA neurology

Anadolu kardioloji dergisi : AKD = the Anatolian jour...

Archives des maladies professionnelles de médecine d...

Chronobiology international

Gerontology

Journal of clinical hypertension (Greenwich, Conn.)

Stroke; a journal of cerebral circulation

Chronobiology international

Step 3 (Results appended as new worksheet)

	Animal	Human	In Vitro	Plant	[No Tag]
1					
2		245	510	20	4
3		585	478	96	43
4		173	564	20	3
5		257	727	55	12
6		304	1464	51	8
7		411	947	25	14
8		214	1242	19	10
9		50	182	17	3
10		143	1176	31	19
11		104	890	15	5
12		262	1819	23	14
13		119	576	23	6
14		657	1386	184	23
15		1140	3437	119	27
16		727	1806	69	27
17		131	1312	28	32
18		167	686	57	5
19		554	3798	32	42
20		18	113	3	4
21		138	258	6	15
22		151	442	11	7
23		21541	22475	1002	1130
24					449
25					

SWIFT-232b: SH:MH search

You can now search using the subheading as a prefix, as in:

```
mesh_mh:( "abnormalities.A07*" )
```

This enables the ability to search for any cardiovascular anatomy codes (A07*) that are tagged with the subheading "abnormalities."

SWIFT-236: Add Query Syntax Help and website link to Help menu

The help menu now contains links to the SWIFT-Review website and to the query help documentation.

SWIFT-234: Export to Excel - scores don't match

When exporting selected documents to excel, the search score previously didn't match scores shown in the application. Bug has been fixed.

SWIFT-230: Toggle Checkboxes very slow

Clicking check all or uncheck all in the document list could previously take a very long time for large projects. Bug has been fixed.

SWIFT-225: Problem with article type

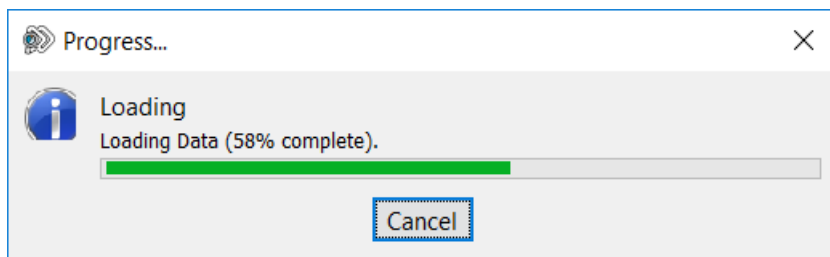
Previously, there was a problem with the article type tag. Tagging was not working correctly for research and non-research article types. Bug has been fixed.

SWIFT-235: Export Data menu option not disabled

Menu option has been changed to be disabled when no project is open

SWIFT-237: Message box, progress bar icons cut off on Windows 10

Previously, icons such as the “i” shown below were being cutoff in Windows 10. Bug has been fixed.



Version 1.14, Build 994: 3.10.2016

SWIFT-233: New Endocrine Disrupting Chemicals Tag

We added a new EDC Tag category. You can use this category to filter by articles mentioning various endocrine disrupting chemicals:

Score	Training Item?	Included?	PMID	Title	Year	Authors	Journal
1			23276611	[Third generation selective estrogen receptor modulators: benefits beyond...	2013	Calaf Alsina J, Coronado Martin PJ	Medicina clinica
1			18454044	Neoadjuvant endocrine therapy for breast cancer: past, present and future...	2008	Barnadas A, Gil M, Sánchez-Rovira P, Lombart A, Adro...	Anti-cancer drugs
1			19046724	The effects on lipid serum levels of a 2-year adjuvant treatment with exe...	2008	Montagnani A, Gonnelli S, Cadini A, Caffarelli C, Del Sa...	European journal of internal medicine
1			18337642	The similarities of aromatase inhibitors outweigh the differences.	2008	Jänicke F	Anti-cancer drugs
1			17912637	A decade of letrozole: FACE.	2007	O'Shaughnessy J	Breast cancer research and treatment
1			17643129	Drug insight: breast cancer prevention and tissue-targeted hormone repla...	2007	Labrie F	Nature clinical practice. Endocrinology & metabolism
1			17912635	Letrozole in the extended adjuvant setting: MA.17.	2007	Goss PE	Breast cancer research and treatment
1			16521302	Changing the gold standard in adjuvant therapy for breast cancer: from ta...	2005	Gllick S	Biomedicine & pharmacotherapy = Biomedecine & phar...
1			16084253	Switching of postmenopausal women with endocrine-responsive early bre...	2005	Jakesz R, Jonat W, Gnant M, Mittlboeck M, Greil R, Tau...	Lancet (London, England)
1			16137430	The evolving role of aromatase inhibitors in adjuvant breast cancer therapy.	2005	Henderson IC, Piccart-Gebhart MJ	Clinical breast cancer
1			16098456	The role of aromatase inhibitors as adjuvant therapy for early breast can...	2005	Mouridsen HT, Robert NJ	European journal of cancer (Oxford, England : 1990)
1			15120040	In vivo models for endocrine-dependent breast carcinomas: special consid...	2004	Fichtner I, Becker M, Zeisig R, Sommer A	European journal of cancer (Oxford, England : 1990)
1			15541579	Selective oestrogen receptor modulators/new antiestrogens: a clinical pe...	2004	Robertson JF	Cancer treatment reviews
1			14535530	Three years' follow-up from the ATAC trial is sufficient to change clinical p...	2003	Aapro MS, Forbes JF	Breast cancer research and treatment
1			11850211	Comparative clinical pharmacology and pharmacokinetic interactions of ar...	2001	Boeddinghaus JM, Dowsett M	The Journal of steroid biochemistry and molecular biolo...
1			11916225	The role of tamoxifen and aromatase inhibitors/inactivators in postmeno...	2001	Pritchard KI	Clinical cancer research : an official journal of the Ame...

Version 1.13, Build 979: 3.07.2016

SWIFT-223c: Enhanced Tox21 Filters

We revised the way the Tox21 Filters work. Previously, Chemicals in the “Dual Use” category would also appear in the Pharmacological and Non-Pharmacological categories. Now these three categories are mutually exclusive.

The screenshot displays the SWIFT-Review application interface. The top window shows the 'Tox21, Pharmacological' filter results, listing various chemical tags and their counts. The bottom window shows a document preview for the article 'Circadian clock control of connexin36 phosphorylation in retinal photoreceptors of the CBA/CaJ mouse strain' by Zhang Z, Li H, Liu X, O'Brien J, Ribelayga CP, *Visual neuroscience* (2015).

Tag	Code(s)	Count
[No Tag]		57318
dopamine	dopamine	829
forskolin	forskolin, colforsin	108
kainic acid	kainic acid, kainate	100
naloxone	naloxone	94
carbachol	carbachol	88
verapamil	verapamil	78
agomelatine	138112-76-2, s 20098, s20098, ag...	73
fencloine	fencloine	50
enalapril	enalapril	44
5-bromo-2'-deoxyuridine	5-bromo-2'-deoxyuridine, bromod...	43
oxaliplatin	oxaliplatin, oxalatoplatinum	41
metoprolol	metoprolol	41
ramelteon	ramelteon, tak-375, 196597-26-9	34
flouridilone	flouridilone, fluorododecyluridine, S-f	23

Showing 828 of 58283 loaded documents (1 selected; 40 total included; 50 total training docs.)

Score	Training Item?	Included?	PMID	Title	Year	Authors	Journal
1	<input type="checkbox"/>	<input type="checkbox"/>	25675211	Activity is a slave to many masters.	2015	Steele AD, Mistlberger RE	eLife
1	<input type="checkbox"/>	<input type="checkbox"/>	26030433	A sex difference in circadian food-anticipatory rhythms in mice: Interactio...	2015	Michalik M, Steele AD, Mistlberger RE	Behavioral neuroscience
1	<input type="checkbox"/>	<input type="checkbox"/>	25643154	Assessment of lactotroph axis functionality in mice: longitudinal monitorin...	2015	Guillou A, Romanò N, Steyn F, Abitbol K, Le Tissier P, B...	Endocrinology
1	<input type="checkbox"/>	<input type="checkbox"/>	26241696	Circadian clock control of connexin36 phosphorylation in retinal photorece...	2015	Zhang Z, Li H, Liu X, O'Brien J, Ribelayga CP	Visual neuroscience
1	<input type="checkbox"/>	<input type="checkbox"/>	25641765	Circadian clock genes: effects on dopamine, reward and addiction.	2015	Parekh PK, Ozburn AR, McClung CA	Alcohol (Fayetteville, N.Y.)
1	<input type="checkbox"/>	<input type="checkbox"/>	25673850	Circadian modulation of dopamine levels and dopaminergic neuron develop...	2015	Huang J, Zhong Z, Wang M, Chen X, Tan Y, Zhang S, H...	The Journal of neuroscience : the official journal of the ...
1	<input type="checkbox"/>	<input type="checkbox"/>	25444159	Direct regulation of diurnal Drd3 expression and cocaine reward by NPAS2.	2015	Ozburn AR, Falcon E, Twaddle A, Nugent AL, Gillman A...	Biological psychiatry
1	<input type="checkbox"/>	<input type="checkbox"/>	25878293	Modulations in oscillatory frequency and coupling in globus pallidus with in...	2015	Connolly AT, Jensen AL, Bello EM, Netoff TI, Baker KB, ...	The Journal of neuroscience : the official journal of the ...
1	<input type="checkbox"/>	<input type="checkbox"/>	25736022	Psychiatric disorders: A zebrafish model of ADHD.	2015	Whalley K	Nature reviews. Neuroscience
1	<input type="checkbox"/>	<input type="checkbox"/>	25667816	Recognizing uncommon presentations of psychogenic (functional) movem...	2015	Baizabal-Carvallo JF, Fekete R	Tremor and other hyperkinetic movements (New York, ...
1	<input type="checkbox"/>	<input type="checkbox"/>	25616058	Rod electrical coupling is controlled by a circadian clock and dopamine in ...	2015	Jin NG, Chuang AZ, Masson PJ, Ribelayga CP	The Journal of physiology
1	<input type="checkbox"/>	<input type="checkbox"/>	25677650	Ultrasonic vocalizations in rats anticipating circadian feeding schedules.	2015	Opiot H, Pavlovski I, Michalik M, Mistlberger RE	Behavioural brain research
1	<input type="checkbox"/>	<input type="checkbox"/>	25009264	Aging decreases L-type calcium channel currents and pacemaker firing fid...	2014	Branch SY, Sharma R, Beckstead MJ	The Journal of neuroscience : the official journal of the ...
1	<input type="checkbox"/>	<input type="checkbox"/>	24345819	Cannabinoid receptor activation shifts temporally engendered patterns of ...	2014	Oleson EB, Cacheo R, Fitoussi A, Tsutsui K, Wu S, Gal...	Neuropsychopharmacology : official publication of the ...
1	<input type="checkbox"/>	<input type="checkbox"/>	25281877	Circadian insights into dopamine mechanisms.	2014	Mendoza J, Challet E	Neuroscience
1	<input type="checkbox"/>	<input type="checkbox"/>	25505330	D1-dependent 4 Hz oscillations and ramping activity in rodent medial front...	2014	Parker KL, Chen KH, Kinovon JR, Cavanaugh JF, Naravan...	The Journal of neuroscience : the official journal of the ...

SWIFT-225: New “Article Type” tag Category

We added a new “Article Type” Tag category. You can use this category to filter by Research Articles, Non-Research Articles and Systematic Reviews:

The screenshot shows the SWIFT-Review application window. On the left, the 'Tag Browser' pane displays a list of tags with their counts: Research Articles (52640), [No Tag] (5579), Non-Research Articles (2975), and Systematic Reviews (230). The 'Document Preview' pane on the right shows the abstract of a paper titled 'Association between circadian preference and academic achievement: A systematic review and meta-analysis' by Tonetti L, Natale V, Randler C. The abstract text is visible, mentioning 1647 studies and 27,309 participants. Below the preview, a table of search results is shown, with columns for Score, Training Item?, Included?, PMID, Title, Year, Authors, and Journal. The table lists several studies, with the top entry being 'Association between circadian preference and academic achievement: A systematic review and meta-analysis' (PMID 26125131) by Tonetti L, Natale V, Randler C (2015) published in Chronobiology International.

SWIFT-232: Search for Mesh Term *plus* subheading

Now you can create queries of the form mesh_mh:(heading:subheading).

SWIFT-217: “Close Project”

You can now close open projects without closing the application (user request).

SWIFT-173: Options – values sticking

Fixed a bug where various options selected from Tools > Options were not propagating through the system properly.

SWIFT-224: Export Tag Grid >> Export Tag Heatmap

Slight reorganization of menu options in preparation for new upcoming reports features. (Stay tuned!)

Version 1.13, Build 938: 2.16.2016

SWIFT-210: Upgrade to 2016 MeSH Tree

There were some extensive changes to the 2016 PubMed MeSH Tree:

https://www.nlm.nih.gov/pubs/techbull/nd15/nd15_medline_data_changes_2016.html

We have changed the SWIFT-Review software to reflect these changes. In addition, several of the MeSH-based Health Outcome categories were simplified.

The new 2016 tree will be used with newly created projects; previously created projects will continue to use the 2015 tree.

SWIFT-223b: Enhanced Tox21 Filters

Previously the updated Tox21 filters would only be available for newly created projects. We have changed the software so that when old projects are loaded, they will be upgraded automatically to use the new filters.

Version 1.13, Build 917: 2.8.2016

SWIFT-222: Release History

This document is now accessible from the help menu: **Help > Release History**.

SWIFT-223: Enhanced Tox21 Filters

There are now separate Tox21 filters available for Pharmacological, Non-Pharmacological and Dual use chemicals. The pharmacological and non-pharmacological categories both also contain all of the chemicals in the dual use category.

SWIFT-214: Turn on/off [No Tags] in bar charts

Added Toggle [No Tags] option to bar charts like in pie charts. (User Request)

SWIFT-182: Highlight color answer key in tag browser

Previously, the highlighting colors were hard-coded in the tag browser, and there was no obvious signal which color corresponded to which tag browser column. Now the highlight color is shown inside each browser column as a reminder. Also, you can change the highlight colors by clicking these new buttons. (User Request)

The screenshot displays the SWIFT-Review software interface. The top menu bar includes 'File', 'Tools', and 'Help'. Below the menu is a 'Tag Browser' section with three columns: 'Exposure Concepts', 'Evidence Stream', and 'Health Outcomes'. Each column has a search bar and a list of tags with associated counts. The 'Exposure Concepts' column shows tags like '[No Tag]', 'Shift work', 'Sleep disruption', 'Light at night', and 'Jet lag'. The 'Evidence Stream' column shows tags like 'Human', '[No Tag]', 'Lab Animals', 'Non-Lab Animals', and 'In Vitro'. The 'Health Outcomes' column shows tags like '[No Tag]', 'Sleep Disorders', 'Cardiovascular Dis...', 'Nervous System Dis...', 'Neoplasms', 'Nutritional and Met...', 'Wounds and Injuries', 'Skin and Connectiv...', 'Female Urogenital...', 'Respiratory Tract...', 'Digestive System...', 'Bacterial Infections...', 'Musculoskeletal Dis...', 'Endocrine System...', 'Mood and Mental D...', 'Eye, Ears and Thro...', and 'Immune System Dis...'. To the right of the tag browser is a 'Document Preview' section showing a document titled 'Long working hours and coronary heart disease: a systematic review and meta-analysis.' by Virtanen M, Heikkilä K, Jokela M, Ferrie JE, Batty GD, Vahtera J, Kivimäki M. The document is from the American journal of epidemiology (2012). The abstract is visible, discussing the association between long working hours and coronary heart disease (CHD). Below the document preview is a table showing 445 of 58283 loaded documents (1 selected; 19 total included; 20 total training docs.). The table has columns for Score, Training Item?, Included?, PMID, Title, Year, Authors, and Journal.

Score	Training Item?	Included?	PMID	Title	Year	Authors	Journal
0.367	<input type="checkbox"/>	<input type="checkbox"/>	9038802	Comparison of eight and 12 hour shifts: impacts on health, wellbeing, and ...	1996	Tucker P, Barton J, Folkard S	Occupational and environmental medicine
0.366	<input type="checkbox"/>	<input type="checkbox"/>	21921128	Shift work and chronic disease: the epidemiological evidence.	2011	Nicholson PJ	Occupational medicine (Oxford, England)
0.366	<input type="checkbox"/>	<input type="checkbox"/>	20122305	Obesity and shift work: chronobiological aspects.	2010	Antunes LC, Levandovski R, Dantas G, Caumo W, Hidalgo A, ...	Nutrition research reviews
0.366	<input type="checkbox"/>	<input type="checkbox"/>	25246026	Impacts of shift work on sleep and circadian rhythms.	2014	Boivin DB, Boudreau P	Pathologie-biologie
0.366	<input type="checkbox"/>	<input type="checkbox"/>	19380368	Commentary: Metabolic syndrome as a result of shift work exposure?	2009	Karlsson B	International journal of epidemiology
0.366	<input type="checkbox"/>	<input type="checkbox"/>	24458353	Circadian misalignment augments markers of insulin resistance and inflam...	2014	Leproult R, Holmbäck U, Van Cauter E	Diabetes
0.366	<input type="checkbox"/>	<input type="checkbox"/>	16784049	A qualitative study on effects of working unsocial hours.	2006	Crew S	Nursing times
0.366	<input type="checkbox"/>	<input type="checkbox"/>	10702091	Workplace intervention studies.	2000	Kristensen TS	Occupational medicine (Philadelphia, Pa.)
0.366	<input type="checkbox"/>	<input type="checkbox"/>	25187988	The direction of shift-work rotation impacts metabolic risk independent of ...	2014	Kantermann T, Duboutay F, Haubridge D, Hampton S, ...	Chronobiology international
0.366	<input type="checkbox"/>	<input type="checkbox"/>	21640226	Peripheral endothelial function, shift work, and circadian rhythm disturban...	2011	Manfredini R, Pala M, Fabbian F, Salmi R, Manfredini F	The American journal of cardiology
0.366	<input type="checkbox"/>	<input type="checkbox"/>	19673144	Scientists discover how shift work may threaten health.	2009		Harvard women's health watch
0.366	<input type="checkbox"/>	<input type="checkbox"/>	16018534	Health effects of shiftwork—a focus on health care providers.	2005	Andersen E	AAOHN Journal : official journal of the American Associ...
0.366	<input type="checkbox"/>	<input type="checkbox"/>	499822	[Physiological basis for the work and rest schedule of computer program...	1979	Kononenko AA, Derkach VV	Gigiena i sanitariia

SWIFT-203: Export Tag Grid Enhancement

In response to a user request, it is now possible to limit the scope of the documents exported during the Export Tag Grid... operation. In addition to choosing the column and the row tag categories, the document scope can also be limited to: all documents, visible documents or selected documents.

SWIFT-202: Enhanced data export

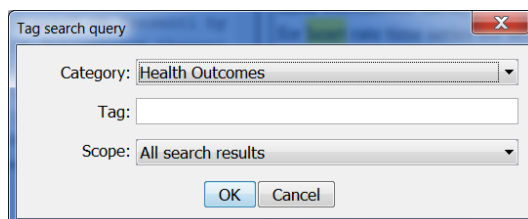
In response to a user request, you can now export document lists directly to Excel:

- Select you documents in the document list.
- Right click and choose “Export Selected...”
- Choose Excel (.xlsx) as the file type

Previously, the only option was exporting to a text file.

SWIFT-181: Save Query as Tag

A user requested a feature where after executing a query from the search box, they could tag the search results in such a way that they keywords matching the query will retain their highlighting in the search browser. Now, from the search screen you can click “Tag search results...” and send either the entire search results or the current selection in the document list to a tag of your choice. The highlighted search words will be reflected in the tag browser.



SWIFT-204: Convert "Smart Quotes"

Previously, the SWIFT-Review query engine could only understand quotation characters if they look like this: ". That is “straight-quotes”. The problem is that Microsoft Word auto-magically changes straight-quotes to these characters: “”, which was causing problems when copy/pasting to/from MS-Word. Now SWIFT-Review can handle both types of quotes.

SWIFT-212: Preferences dialog "Save button"

The “Save” button on the preferences dialog has been replaced by a “Close” button. All changes are saved immediately.

SWIFT-215: Error Message when Prioritizing

Fixed a problem where prioritizing can give an error message when the total number of items in the list is less than 100.

SWIFT-166: Ranking with fewer than 20 seed documents / prioritize message confusing

The software will now allow you to rank documents with as few as 10 total seed documents. (We still recommend at least 20.) Also, reworded some error messages to make them less confusing.

SWIFT-211: Pie Chart - add options to show percent or count

For the Pie chart, the user can now select three options in the preferences panel to change the display:

1. "Labels with percentage"
2. "Labels with counts"
3. "Labels only"

Version 1.13, Build 780: 12.9.2015

SWIFT-208: Tag Grid Export Bug

A user reported the following bug, which has now been fixed:

Tools > Export Tag Grid

Choose "Tox21" Chemicals for Category 1 (Rows)

When exporting the data to excel, the resulting file has 0 for all cells.

Same for MeSH Publication types

SWIFT-174: Options - Save buttons are not aligned

Small cosmetic change

SWIFT-196: Don't allow renaming or deletion of [No Tag] tag

A user reported that problems are caused when they deleted the "[No Tag]" tag for a tag category in the browser. This "special" tag should not be disabled or deleted, so we have disabled this functionality.

SWIFT-200: Tag counts don't refresh

Fixed the following bug:

Open tagbrowser and go to health outcomes. change or delete some tags. choose tools > reset taggers (health outcomes). changes are not refreshed.

SWIFT-201: Change Health Outcomes to use mesh

To increase the precision of health outcome tagging in SWIFT, we have modified the tagging queries.

Previously health outcome tags were applied using a set of high-ranking words mined from a random sample of MeSH articles. Now, we have simplified the procedure such that health outcomes are applied using top-level disease codes only, as follows:

<i>Health Outcome</i>	<i>Query</i>
<i>Neoplasms</i>	mesh_mh:(C04.*)
<i>Musculoskeletal Diseases</i>	mesh_mh:(C05.*)
<i>Digestive System Diseases</i>	mesh_mh:(C06.*)
<i>Stomatognathic Diseases</i>	mesh_mh:(C07.*)
<i>Respiratory Tract Diseases</i>	mesh_mh:(C08.*)
<i>Otorhinolaryngologic Diseases</i>	mesh_mh:(C09.*)
<i>Nervous System Diseases</i>	mesh_mh:(C10.*)
<i>Eye Diseases</i>	mesh_mh:(C11.*)
<i>Male Urogenital Diseases</i>	mesh_mh:(C12.*)
<i>Female Urogenital Diseases and Pregnancy Complications</i>	mesh_mh:(C13.*)
<i>Cardiovascular Diseases</i>	mesh_mh:(C14.*)
<i>Hemic and Lymphatic Diseases</i>	mesh_mh:(C15.*)
<i>Congenital, Hereditary, and Neonatal Diseases and Abnormalities</i>	mesh_mh:(C16.*)
<i>Skin and Connective Tissue Diseases</i>	mesh_mh:(C17.*)
<i>Nutritional and Metabolic Diseases</i>	mesh_mh:(C18.*)
<i>Endocrine System Diseases</i>	mesh_mh:(C19.*)
<i>Immune System Diseases</i>	mesh_mh:(C20.*)
<i>Wounds and Injuries</i>	mesh_mh:(C26.*)
<i>Anxiety Disorders</i>	mesh_mh:("F03.080.*")
<i>Delirium, Dementia, Amnesic, Cognitive Disorders</i>	mesh_mh:("F03.087.*")
<i>Dissociative Disorders</i>	mesh_mh:("F03.300.*")
<i>Eating Disorders</i>	mesh_mh:("F03.375.*")
<i>Mental Disorders Diagnosed in Childhood</i>	mesh_mh:("F03.550.*")
<i>Mood Disorders</i>	mesh_mh:("F03.600.*")
<i>Schizophrenia and Disorders with Psychotic Features</i>	mesh_mh:("F03.700.*")
<i>Sexual and Gender Disorders</i>	mesh_mh:("F03.800.*")
<i>Sleep Disorders</i>	mesh_mh:("F03.870.*")
<i>Substance-Related Disorders</i>	mesh_mh:("F03.900.*")

Keywords are still highlighted using the data-mined terminology.

Version 1.13, Build 719: 11.18.2015

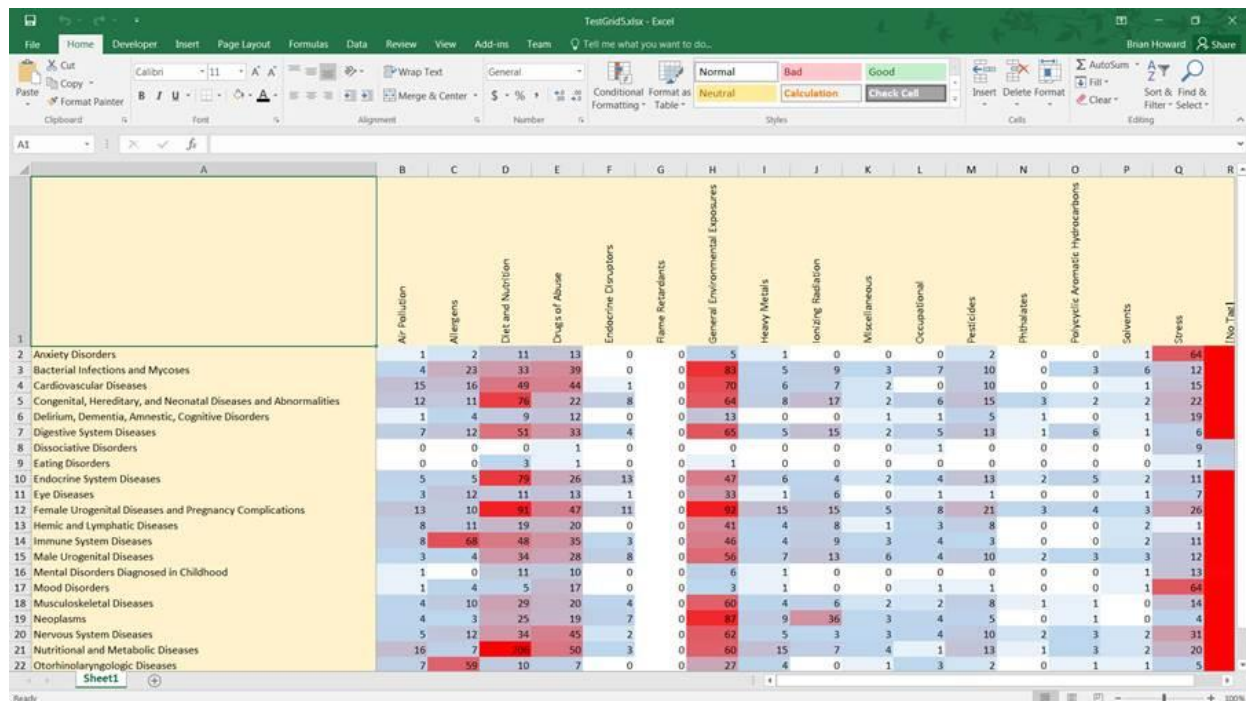
Port Change: 443 instead of 8080

Some institutions such as FDA and EPA are blocking port 8080. We have released an update that allows the software to use port 443 instead, which seems to be allowed by most organizations.

Version 1.12, Build 712: 11.17.2015

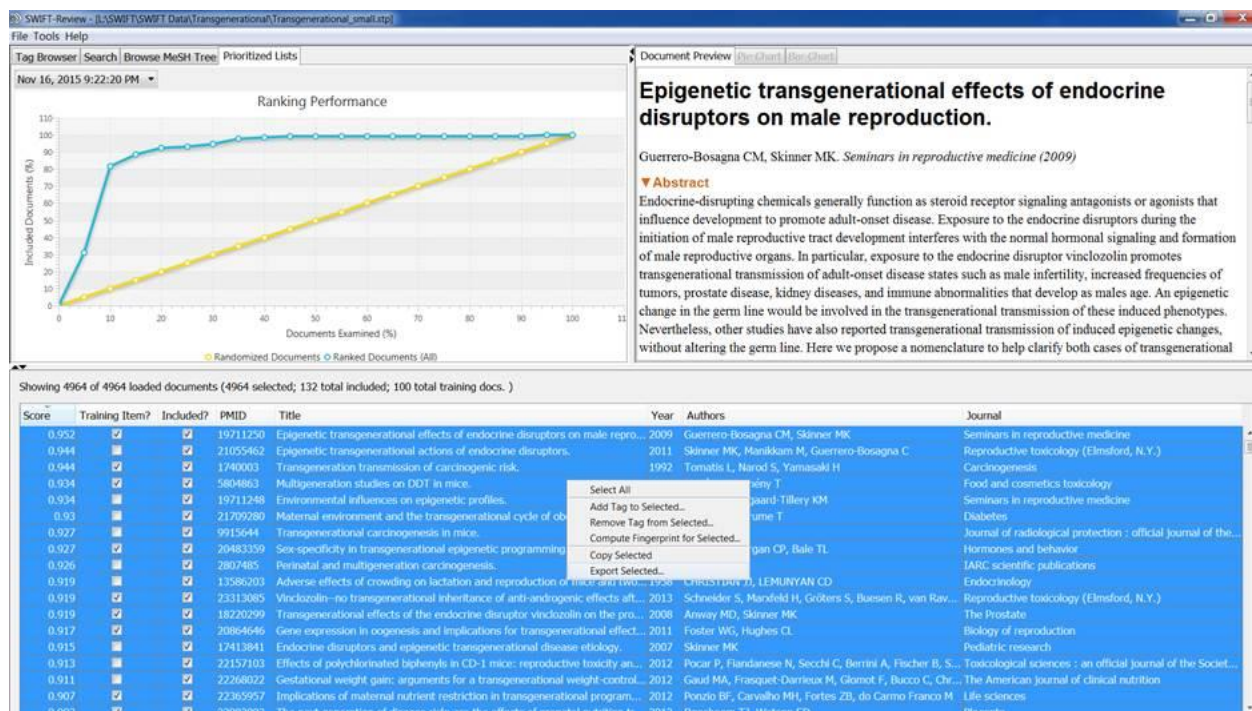
SWIFT-197: Conditional formatting and direct export of tag grid to excel

Previously, the option “Tools > Export Tag Grid...” would output results in a tab delimited text file. We have modified the software to send results directly to Excel with cells color-coded as a “heatmap” that indicates the relative number of articles corresponding to each cell.

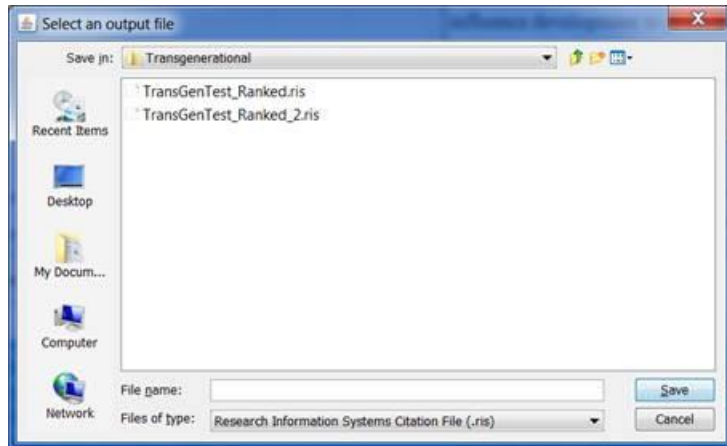


SWIFT-198: Export to RIS

Now you can export ranked lists as .RIS files. Basically, you just select documents visible in the document list (e.g. after selecting a Prioritized List and verifying it is sorted by Score descending). Then select all documents in the list. Right Click and choose “Export Selected”.



When the dialog box comes up to ask you where to save the file, make sure to choose file type “Research Information Systems Citations file (.ris)”



The resulting RIS file also includes a custom field (C1) that has the rank order of the document within the list.

SWIFT-199: Batch Import PMID Lists

Now, in the batch query feature, you can alternatively provide a list of PMIDs for each new tag in a text file instead of a Lucene query. The format of the file is one PMID per line.

Initial Public Release - Version 1.11, Build 621: 10.03.2015

SWIFT-118: New SWIFT Icon

We finally have a professional quality logo and icon. Hooray!



SWIFT-134: SWIFT-122 Tutorial

A SWIFT-Review tutorial is [now available](#). You can access it from the application by clicking Help > Tutorial.

SWIFT-135: SWIFT-122 Query Syntax Reference

The software now contains an integrated [query syntax reference](#). You can access it from the application by clicking the Query: ([Help](#)) link on the search page.

SWIFT-195: Make Ranked Lists into a Navigation panel

Previously, it was somewhat difficult to use the ranked lists in SWIFT-Review. To make the interface more intuitive, prioritized lists have been moved from the right side to left side along with the other navigation panels. In addition:

- "Ranking Performance" tab was renamed to "Prioritized Lists"
- This tab should only be enabled when one or more prioritized lists have been created
- Changing the selection in the dropdown filters records in list and order them by priority score
- When a new ranked list is created by the user, the Prioritized Lists tab is activated and the new list is made active.

SWIFT-157: Build Topic Model: Unclear that something happened.

When a user has successfully built a new topic model, they will now see a helpful message box telling them that the process is complete and where results can be found.

SWIFT-194: Enable/Disable Charts when not applicable

To streamline the workflow:

- Bar Chart and Pie Chart views are disabled when user is not using Tag Browser.
- Ranking Performance Tab is disabled when no ranked lists are available
- All Tabs are disabled when the project is empty
- The order of navigation (left) tabs has been changed: Tag Browser first, followed by Search, then MeSH tree

SWIFT-85: Merge the TermBrowser and Document Folders Views

The “Document Folders” tab has been removed and its functionality has been subsumed by the “Term Browser” tab.

SWIFT-153: Term Browser Irony

Fixed several issues that have greatly improved the performance of the SWIFT Term browser.

SWIFT-104: Performance Optimizations

Several changes were made which drastically reduce the amount of memory required for SWIFT projects.

SWIFT-120: Extract Term Browser Query

A User has requested the ability to right click to view underlying query in the Tag Browser view. It is now possible to choose “Copy Tag Browser Query” from the context menu. The query can be pasted to the Search tab for examination or experimentation.

SWIFT-106: Export Tag Grid

A new feature was added that allows users export “heatmap” data consisting of document counts at the intersection of two tag categories: Tools > Export Tag Grid...

SWIFT-109: Assign Tags from File

Users can now right click in the tag browser to import a file containing list of PMIDs and folder names, and then automatically assign pmids to those folders.

SWIFT-56: Check file formats when load.

The software should now give an error message if the user tries to load data in the incorrect format.

SWIFT-193: Export data overwrite

When exporting data, a new sub-directory is now created based on the current date and time. Previous behavior was to prompt the user if they wanted to overwrite the chosen directory. Potentially dangerous!

SWIFT-154: Progress Bar Delay

Bug Fix: sometimes the progress bar did not show for a very long time when loading data.

SWIFT-165: Document Preview - "all documents" not capitalized

Small cosmetic fix.

SWIFT-180: eBooks not loaded

Fixed user-reported bug: PubMed “e-book” citations were not loading properly.

SWIFT-155: Allow upload from XML file

Users can now upload data from downloaded PubMed search results in XML format.

SWIFT-171: Corrupted Project File

Fixed bug whereby project files can become corrupted.

SWIFT-86: Remember search score for batch queries that become folders

When running batch queries, the search scores are now saved.

SWIFT-119: Normalize Search Scores

Users have requested that Lucene Search scores be normalized from 0 to 1.

SWIFT-53: Report missing PMIDS

When loading data from PMIDs, previous behavior was to add a blank row if a PMID is missing from the database. Now, these PMIDs are excluded, but the user is shown a list of the missing PMIDS.

SWIFT-149: "Save Project" menu option should be greyed out when project empty

Small fix.

SWIFT-150: Add % to Pie chart hover

Small fix.

SWIFT-152: Timeout on PMID load

We have increased the timeout on PMID load to avoid problems during busy server load.

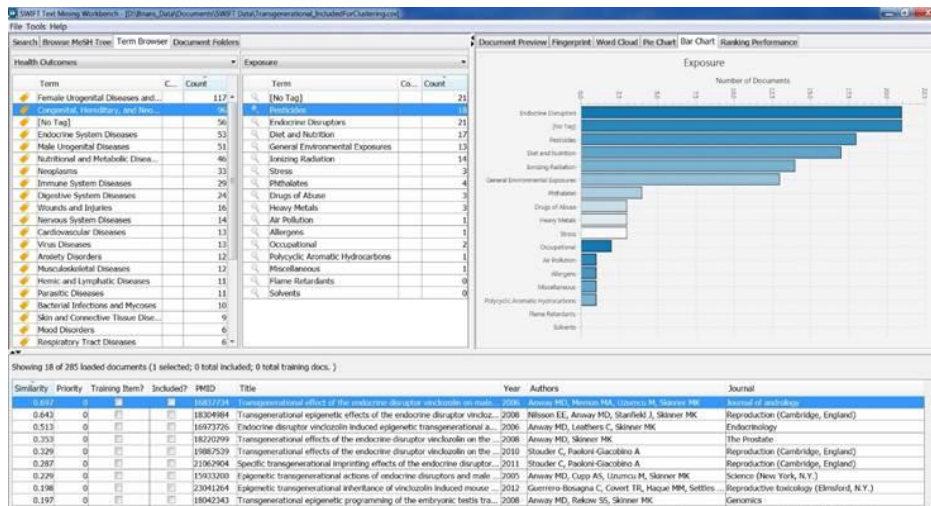
SWIFT-132: Document Preview: Query Term Matches

Query term hits are now shown in the browser instead of fingerprint matches.

Version 1.0 (Beta), Build 281: 7.30.2015

SWIFT-117: Bar Graph View

By user request, a new bar graph view has been added to complement the pie chart view.



SWIFT-131: Pie Chart – Allow to Hide [No Tag] Slice

The user can now right-click to choose whether or not they want to see the [No Tag] slice.

SWIFT-147: Update Evidence Stream Query

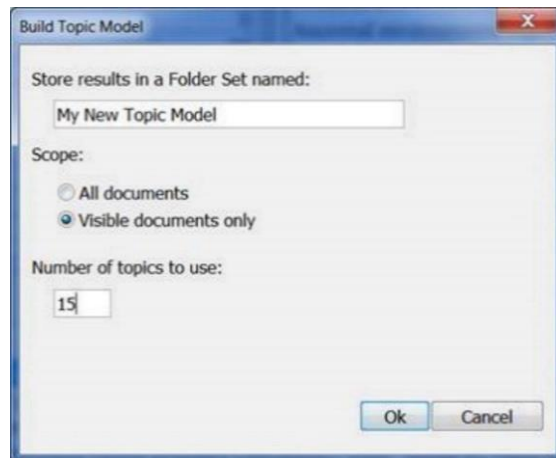
The evidence stream filter for 'human' has been changed to remove terms that are not human-specific. following change to the evidence stream search terms for the human filter.

Version 1.0 (Beta), Build 280: 7.16.2015

SWIFT-14: Options to re-run topic modeling and change parameters

Users may now explicitly choose the number of topics when performing topic modeling. In addition, users can now build topic models “on the fly,” using a user-selected subset of input records.

To re-run topic modeling, go to Tools > Build Topic Model... It will bring up a dialog that asks how many topics you want to use and for the name of a folder set to store the results. If you choose “Topic Models” as the storage location, it will overwrite the automatically computed 50-Topic model. But, you can create as many topic models as you want and store them in separate folder sets. E.g. you could make a “Topic Models_25” to try out a 25-topic model. You can also choose whether you want to include all documents in the model, or only the visible ones. This allows you to, for example, select a particular set of health outcomes and build a topic model using only those documents.



SWIFT-128: Change health outcomes "Other" to none

SWIFT-129: Add "Other" category to the other tags (queries and health outcomes)

We have added a “[No Tag]” item to the term browser. If you select this, it shows all the documents that don’t match any of the other possible tags in the given category:

Health Outcomes			
	Term	Code(s)	Count
	[No Tag]		54
	Anxiety Disorders		17
	Bacterial Infections and Mycoses		10
	Cardiovascular Diseases		13
	Congenital, Hereditary, and Neonatal Diseases and Abnormalities		96
	Delirium, Dementia, Amnesic, Cognitive Disorders		3
	Digestive System Diseases		24
	Eating Disorders		2
	Endocrine System Diseases		54
	Eye Diseases		3
	Female Urogenital Diseases and Pregnancy Complications		117
	Hemic and Lymphatic Diseases		11
	Immune System Diseases		29
	Male Urogenital Diseases		51
	Mental Disorders Diagnosed in Childhood		5

SWIFT-130: Exposure query tweak

The General Environmental Exposures query has been modified and should no longer include documents that match one or more of the more specific environmental exposures.

SWIFT-121: User Authorization

In preparation for future functionality in which certain elements of project data may be stored remotely “in the cloud”, users will now be prompted to login in with an email address and pw upon starting SWIFT-Review. The software will remember these credentials, however, so it should not be overly burdensome after the initial log-in.

SWIFT-139: Logging function doesn't work on Mac

A bug has been fixed in which application logging (used only for debugging purposes) was not being saved properly on Mac computers.

SWIFT-25: Wrong MeSH Terms

Fixed a bug in which MeSH terms could be confused if browser columns are reordered.

SWIFT-114: TermBrowser: Image icon and sorting

Bug Fix: in the term browser, previously, if you changed the column order and move the image icon out of column 1 and then sort by column 1, an exception would be get thrown.

SWIFT-138: Main Menu needs enable / disable check: i.e. grey out items when empty project

Menu items are now greyed out when not available for use.

SWIFT-126: Word cloud missing letter on phrases

Bug fix: word clouds were missing the “type” letter – e.g. “abstract”, “title” etc for 2- and 3- gram phrases.

SWIFT-101: Tag Browser Bugs

Miscellaneous Tag Broser bugs have been fixed.

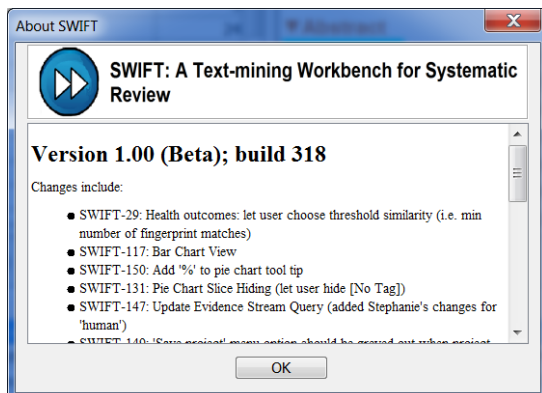
Version 1.0 (Beta), Build 249c: 6.26.2015

SWIFT-8: Auto updates now supported!

SWIFT-6: About Box

From time to time, the SWIFT-Review software will be updated to add new features and functionality.

You can check the current version of the software at any time by clicking **Help > About** from the SWIFT-Review menu:



SWIFT-Review software updates are made available automatically using the following complementary mechanisms:

- **Minor Updates:** In most cases, SWIFT-Review updates will happen automatically and *will not require any user action*.
- **Major Updates:** Occasionally, a more comprehensive update may be offered. In these cases, SWIFT-Review will prompt you after start-up to let you know that a major update is available. The upgrade will be optional, but if you choose to install it, you will need administrative privileges on your computer in order to run the installation package.

SWIFT-12: Copy, Cut, Paste

Copy/paste functionality is now available from most of the screens in SWIFT-Review including:

- Tag Browser
- Document List
- Document Preview
- Pie Chart
- Word Cloud

For example, you can copy a list of documents from the document and paste it into Excel for further analysis. To paste images such as the pie chart, you may have to use “Paste Special” and choose the image data type; otherwise, the pie data will be pasted as text.

SWIFT-105: Load PMIDs via e-utils

It is now possible to directly load data into SWIFT simply by importing a list of Pubmed IDs. Choose File > Load PMIDs... and select the location of a .csv or text file. For example, try the following:

1. Download the example file, Transgenerational_small.csv from the following URL:
https://api.sciome.com/SWIFTupdates/Tutorial/TransGenerational_small.csv

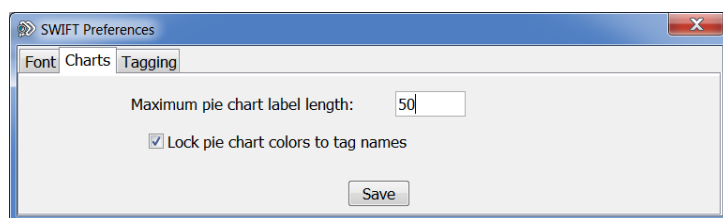
This is a text file containing a random subset of the PMIDs (about 1/10 of the data) from the full set of citations obtained during a preliminary literature search for studies pertaining to the

transgenerational effects of various environmental exposures.. If you want to see the PMIDs, you can open the file in Excel or a text editor.

2. To load the data, click **File > Load PMIDs...** and browse to the location of the file you just downloaded.
3. Click **Open**.
4. After a few moments you should see a progress bar indicating that the data is being loaded into SWIFT-Review. Depending on the size of your project and the speed of your computer this can take anywhere from a few seconds to several minutes. Loading data from a PMID list will usually take longer than opening data from a SWIFT-Review project file because, in this case, the application has to download and pre-process all of the associated bibliographical data from the PubMed website.

SWIFT-111: Pie Chart colors fixed for slices

When showing a pie chart, the colors are associated with the slices sizes. But in some cases it is more useful to user if colors were tied with the slice names. Eg. health outcome 'cardiovascular disease' would be blue regardless of whether it was 1% or 99%. That way, when user is comparing different tag selections in the term browser it will be more apparent which items are changing in prevalence. This functionality can now optionally be enabled from the options menu by choosing “Lock pie chart colors to tag names”



SWIFT-112: Truncated words in Pie Chart

Previously, slice names are always truncated to a fixed number of characters in the pie chart. We have provided a mechanism to allow the user to specify the number of letters to use for pie chart labels. In addition, labels are never truncated in the name of the tool tip.

SWIFT-13: Preferences Dialog, Tools, Help Menu Items

These menus have been re-organized in a more logical manner.

SWIFT-28: Why the lag when click back on Search tab?

Bug Fix: previously, there was sometimes a noticeable lag sometimes when reactivating the search panel.