

TableEdit

A Mediawiki Extension

some background

- wiki's are innately free-form
- biological data is innately tabular
- how do you incorporate the two?
 - you sneak structure into the mix...



overall goals



- make it easy for (all) users to edit tables / tabular data
- lower the unit of submission
- make it easy to mine data / text from the wiki
- contribute to the Mediawiki community

example

pcnB:Gene Product(s)

[Quickview](#) [Gene](#) [Gene Product\(s\)](#) [Expression](#) [Evolution](#) [On One Page](#)
[Nomenclature](#) [Function](#) [Interactions](#) [Localization](#) [Sequence](#) [Domains](#) [Structure](#) [Resources](#) [Accessions](#)

Nomenclature

| | |
|------------------------------|--|
| Standard name | PcnB |
| Synonyms | poly(A) polymerase I ^[1] , B0143 ^{[2][1]} , PcnB ^{[2][1]} , PAP I ^{[2][1]} |
| Product description | poly(A) polymerase I ^{[2][3]} |
| EC number (for enzymes) | ■ 2.7.7.19 ^[1] |
| edit table ↗ | |

See [Help:Product_nomenclature](#) for help entering or editing information in this section of EcoliWiki.

example

pcnB:Gene Product(s)

[Table](#) [Edit](#) [Help](#)

| | |
|-------------------------|--|
| Standard name | PcnB |
| Synonyms | poly(A) polymerase I ^[1] , B0143 ^{[2][1]} , PcnB ^{[2][1]} , PAP I ^{[2][1]} |
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| | Edit Copy Delete public |

[Add column](#) [Add multiple](#)

Table style

(e.g align='right')

Heading style

`{{table heading style}}` [Save styles](#)
(e.g. 'bgcolor = #ccccff' to make the heading background light blue)

[Save Table to wiki page: pcnB:Gene_Product\(s\)](#) [Cancel](#)

[Delete Table](#)

Extra for admins: [View/Edit metadata](#) [View box data](#)

example

| | |
|-------------------------|---|
| Standard name | PcnB |
| Synonyms | <pre>poly(A) polymerase I<ref name='LIB:Riley_2006' />, B0143<ref name='LIB:EcoCyc10.6' /><ref name='LIB:Riley_2006' />, PcnB<ref name='LIB:EcoCyc10.6' /><ref</pre> |
| Product description | <pre>poly(A) polymerase I<ref name='LIB:EcoCyc10.6' /><ref name='LIB:EcoCyc11.1' /></pre> |
| EC number (for enzymes) | <pre>* [http://www.brenda-enzymes.info /php/result_flat.php4?ecno=2.7.7.19 2.7.7.19]<ref name='LIB:Riley_2006' /></pre> |

Public



Update

Save

Cancel



EcoliWiki

example

| | |
|---|---|
| Standard name | PcnB |
| Synonyms | <pre>poly(A) polymerase I<ref name='LIB:Riley_2006'"/>, B0143<ref name='LIB:EcoCyc10.6'"/><ref name='LIB:Riley_2006'"/>, PcnB<ref name='LIB:EcoCyc10.6'"/><ref</pre> |
| Product description | <pre>poly(A) polymerase I<ref name='LIB:EcoCyc10.6'"/><ref name='LIB:EcoCyc11.1'"/></pre> |
| EC number (for enzymes) | * [http://www.chem.qmul.ac.uk/iubmb/enzyme /EC2/7/7/19.html EC 2.7.7.19] |
| <input type="button" value="Public"/> <input type="button" value="Update"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/> | |

example

| | |
|--|--|
| Standard name | PcnB |
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| EC number (for enzymes) | ■ EC 2.7.7.19 🔗 |
| edit table 🔗 | |

creating tables

Editing CLUSTALW



```
 {{Pagetop}}
== Short Description ==
{{UserContentHelp}}
CLUSTALW is a widely used tool for multiple sequence alignments. It is a + alignment programs, which includes CLUSTALX, a graphical version that runs a command line program, it is often accessed via a web interface, such as /index.html EBI] and [http://www.ch.embnet.org/software/ClustalW.html Swiss

== Links ==
*[http://www.clustal.org/ clustal.org]
*[http://www.ebi.ac.uk/Tools/clustalw2/index.html CLUSTALW2 web interface
*[http://www.ch.embnet.org/software/ClustalW.html CLUSTAL at the Swiss Inst

== Requirements ==
```

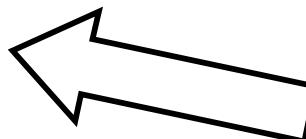
creating tables

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```

```
<newTableEdit>
Replace these lines
with Headings and Save
to see a table
</newTableEdit>
```

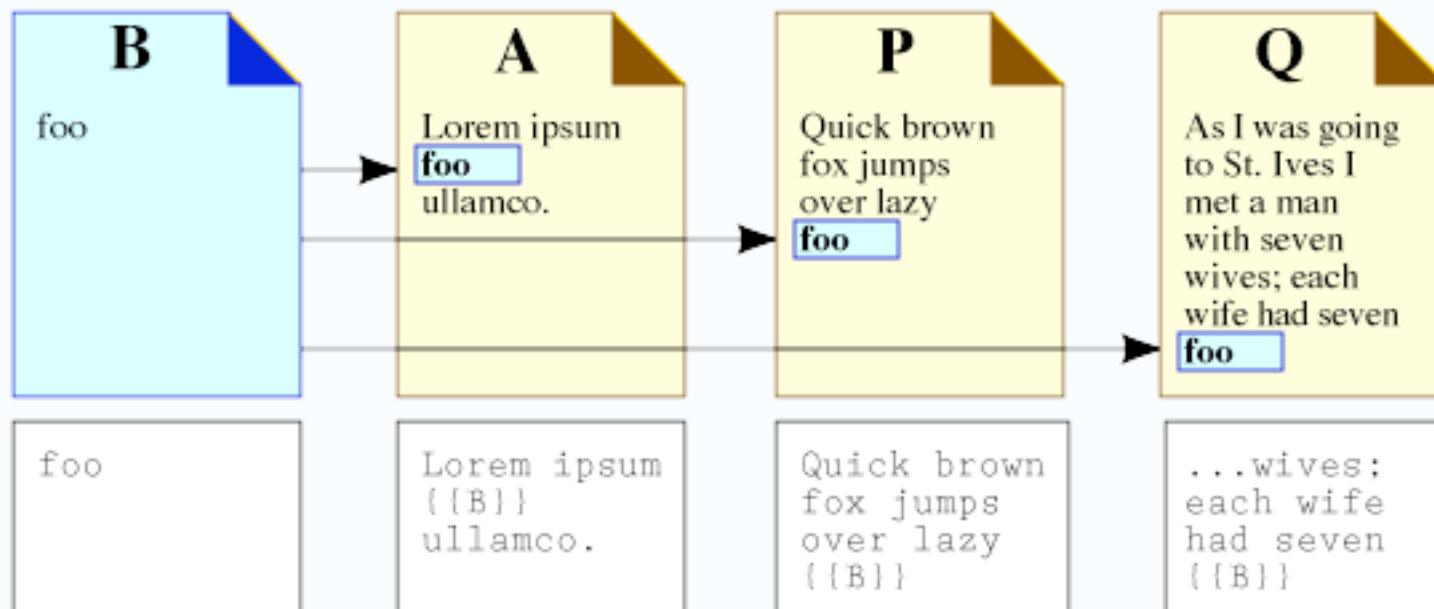


```
== Links ==
*[http://www.clustal.org/ clustal.org]
```



creating tables

- template based system
 - transclusion allows for abstraction



creating (templated) tables

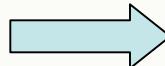
Editing Template:Gene nomenclature table



```
<headings>
Standard name
Mnemonic
Synonyms
</headings>
<heading_style>{{table_heading_style}}</heading_style>
<type>1</type>

[[Category:Table templates|Gene nomenclature table]]
```

```
<newTableEdit>
Template:Gene_Nomenclature_table
</newTableEdit>
```



| |
|----------------------------|
| Standard name |
| Mnemonic |
| Synonyms |
| edit table |

creating (templated) tables

table properties

- <headings>
- <heading_style>
- <type>
- <box_style>
- <style>
- <help[1-4]>
- <above>
- <below>

column rules

- select
- checkbox
- text
- lookup
- calc
- lookupcalc
- timestamp
- foreign

column rules

<headings>

Qualifier||qualifier|**select**| NOT|Contributes to|Colocalizes with|Obsolete ...

GO ID||go_id|text

GO term name||go_term|**lookupcalc**|SELECT page_title FROM GO_archive.term WHERE go_id = '{{{go_id}}}' ORDER BY term_update DESC LIMIT 1|page_title|split|_!_|1

Reference(s)||refs

Evidence Code||evidence|**select**| IC: Inferred by Curator|IDA: Inferred from Direct Assay|IEA: Inferred from Electronic Annotation|IEP: Inferred from Expression|IGC: Inferred from Genomic Context|IGI: Inferred from Genetic Interaction|IMP: Inferred from Mutant Phenotype|IPI: Inferred from Physical Interaction|ISS: Inferred from Sequence or Structural Similarity ...

with/from||with|text

Aspect||aspect|**lookup**|SELECT namespace from GO_archive.term WHERE go_id = '{{{go_id}}}' ORDER BY term_update DESC LIMIT 1|namespace

Notes||Notes

Status||status|**calc**|reqcomplete|go_id|refs|go_term|evidence

</headings>

<heading_style>{{table_heading_style}}</heading_style>

[[Category:Table templates|GO table product]]

the cool stuff

- really big tables
- conflict detector - keeps things correct
- help links - 100% user editable
- the loader - for mass imports / edits
- documentation / specs - always good
- modules - extensions of extensions
- " foreign tables " & mirroring



applications

| Group | Organism | gene | Qualifier | GO ID | GO term name | Reference(s) | Evidence Code | V | W | X | Y | Z | Status |
|-----------|------------|--------------------------------|-----------|------------|--|--|---|-----------------------|---|---|---|---|----------|
| WormBase | C.elegans | PFKL = C50F4.2 = WBGene0008230 | | GO:0040018 | positive regulation of multicellular organism growth | PMID:11231151 ^[1] | IMP: Inferred from Mutant Phenotype | | | | | | complete |
| FlyBase | Drosophila | FBgn0003071 | | GO:0003872 | 6-phosphofructokinase activity | PMID:7929140 ^[2] | IMP: Inferred from Mutant Phenotype | | | | | | complete |
| FlyBase | Drosophila | FBgn0003071 | | GO:0005945 | 6-phosphofructokinase complex | PMID:7929140 ^[2] | IC: Inferred by Curator | GO:0003872 | C | | | | complete |
| FlyBase | Drosophila | FBgn0003071 | | GO:0006096 | glycolysis | PMID:7929140 ^[2] | IC: Inferred by Curator | GO:0003872 | P | | | | complete |
| DictyBase | Dicty | DDB_G0274111 | | GO:0003872 | 6-phosphofructokinase activity | PMID:4300706 ^[3] PMID:7813455 ^[4] | IDA: Inferred from Direct Assay | | F | purified enzyme | | | complete |
| DictyBase | Dicty | DDB_G0274111 | | GO:0003872 | 6-phosphofructokinase activity | PMID:7589492 ^[5] | IGI: Inferred from Genetic Interaction | S000003472 S000004818 | F | the Dicty recombinant protein expressed in the yeast mutant; yeast has 2 subunits, while Dicty has only one | | | complete |
| DictyBase | Dicty | DDB_G0274111 | | GO:0015631 | tubulin binding | PMID:10026266 ^[6] | IPI: Inferred from Physical Interaction | P81948 | F | | | | complete |

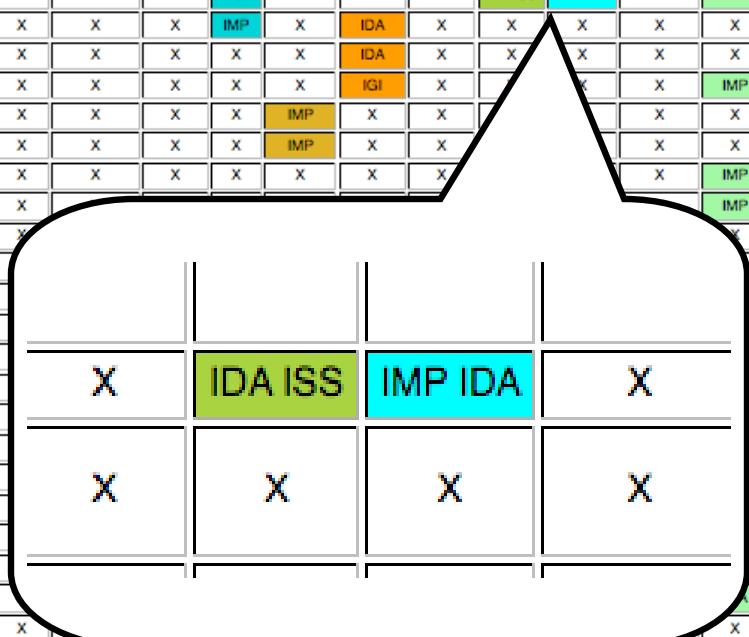
12 x >67

applications

| Category | ID | Term | Human | Mouse | Rat | Chicken | Zfish | Fly | Worm | Dicty | Dicot | Dicot | Dicot | Yeast | Pombe | Ecoli |
|--------------------|------------|---|---------|-------|-----|---------|-------|-----|------|---------|-------|---------|---------|-------|-------|-------|
| Biological Process | GO:0040018 | positive regulation of multicellular organism growth | X | X | X | X | X | X | IMP | X | X | X | X | X | X | X |
| Biological Process | GO:0006096 | glycolysis | IDA | IDA | X | X | X | IC | X | X | X | IDA ISS | IMP IDA | X | IDA | |
| Biological Process | GO:0006002 | fructose 6-phosphate metabolic process | IDA IMP | X | X | X | X | IMP | X | IDA | X | X | X | X | X | X |
| Biological Process | GO:0031115 | negative regulation of microtubule polymerization | X | X | X | X | X | X | X | IDA | X | X | X | X | X | X |
| Biological Process | GO:0006007 | glucose catabolic process | X | X | X | X | X | X | X | IGI | X | X | X | X | IMP | |
| Biological Process | GO:0009792 | embryonic development ending in birth or egg hatching | X | X | X | X | X | X | IMP | X | X | X | X | X | X | X |
| Biological Process | GO:0000003 | reproduction | X | X | X | X | X | X | IMP | X | X | X | X | X | X | X |
| Biological Process | GO:0044275 | cellular carbohydrate catabolic process | X | X | X | X | X | X | X | X | X | X | X | X | X | IMP |
| Biological Process | GO:0016052 | carbohydrate catabolic process | X | X | X | X | X | X | X | X | X | X | X | X | X | IMP |
| Biological Process | GO:0046676 | negative regulation of insulin secretion | X | IDA | X | X | X | X | X | X | X | X | X | X | X | X |
| Biological Process | GO:0009749 | response to glucose stimulus | X | IDA | X | X | X | X | X | X | X | X | X | X | X | X |
| Molecular Function | GO:0003872 | 6-phosphofructokinase activity | IDA IMP | IDA | X | X | X | IMP | X | IDA IGI | X | IDA ISS | IMP | X | IMP | |
| Molecular Function | GO:0015631 | tubulin binding | X | X | X | X | X | X | X | IPI | X | X | X | X | X | X |
| Molecular Function | GO:0005524 | ATP binding | IDA | X | X | X | X | X | X | X | X | X | X | X | X | IMP |
| Molecular Function | GO:0042802 | identical protein binding | IPI | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Molecular Function | GO:0005515 | protein binding | IPI | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Molecular Function | GO:0070061 | fructose binding | IDA IC | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Molecular Function | GO:0005488 | binding | X | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Molecular Function | GO:0000287 | magnesium ion binding | X | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Molecular Function | GO:0032553 | ribonucleotide binding | X | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Molecular Function | GO:0043531 | ADP binding | X | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Cellular Component | GO:0005945 | 6-phosphofructokinase complex | IDA | X | X | X | X | IC | X | IDA | X | X | IMP | X | IDA | |
| Cellular Component | GO:0005829 | cytosol | IDA | IDA | X | X | X | X | X | IDA | X | IDA | X | X | X | X |
| Cellular Component | GO:0005737 | cytoplasm | X | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Cellular Component | GO:0005886 | plasma membrane | X | X | X | X | X | X | X | X | X | X | IDA | X | X | X |
| Cellular Component | GO:0009507 | chloroplast | X | X | X | X | X | X | X | X | X | X | IDA | X | X | X |

applications

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|--------------------|------------|---|-------|---------|-----|---------|-------|-----|------|-------|-------|-------|---------|---------|-------|-------|
| Biological Process | GO:0040018 | positive regulation of multicellular organism growth | X | X | X | X | X | X | IMP | X | X | X | X | X | X | X |
| Biological Process | GO:0006096 | glycolysis | | IDA | IDA | X | X | X | IC | X | X | X | IDA ISS | IMP IDA | X | IDA |
| Biological Process | GO:0006002 | fructose 6-phosphate metabolic process | | IDA IMP | X | X | X | X | IMP | X | IDA | X | X | X | X | X |
| Biological Process | GO:0031115 | negative regulation of microtubule polymerization | X | X | X | X | X | X | X | X | IDA | X | X | X | X | X |
| Biological Process | GO:0006007 | glucose catabolic process | | X | X | X | X | X | X | X | IGI | X | | | X | IMP |
| Biological Process | GO:0009792 | embryonic development ending in birth or egg hatching | X | X | X | X | X | X | X | IMP | X | X | | | X | X |
| Biological Process | GO:0000003 | reproduction | | X | X | X | X | X | X | IMP | X | X | | | X | X |
| Biological Process | GO:0044275 | cellular carbohydrate catabolic process | X | X | X | X | X | X | X | X | X | X | | | X | IMP |
| Biological Process | GO:0016052 | carbohydrate catabolic process | | X | X | X | | | | | | | | | | IMP |
| Biological Process | GO:0046676 | negative regulation of insulin secretion | | X | | IDA | X | | | | | | | | | |
| Biological Process | GO:0009749 | response to glucose stimulus | | X | | IDA | | | | | | | | | | |
| Molecular Function | GO:0003872 | 6-phosphofructokinase activity | | IDA IMP | IDA | | | | | | | | | | | |
| Molecular Function | GO:0015631 | tubulin binding | | X | X | | | | | | | | | | | |
| Molecular Function | GO:0005524 | ATP binding | | IDA | | X | | | | | | | | | | |
| Molecular Function | GO:0042802 | identical protein binding | | IPI | | X | | | | | | | | | | |
| Molecular Function | GO:0005515 | protein binding | | IPI | | X | | | | | | | | | | |
| Molecular Function | GO:0070061 | fructose binding | | IDA IC | | X | | | | | | | | | | |
| Molecular Function | GO:0005488 | binding | | X | X | | | | | | | | | | | |
| Molecular Function | GO:0000287 | magnesium ion binding | | X | X | | | | | | | | | | | |
| Molecular Function | GO:0032553 | ribonucleotide binding | | X | X | | | | | | | | | | | |
| Molecular Function | GO:0043531 | ADP binding | | X | X | | | | | | | | | | | |
| Cellular Component | GO:0005945 | 6-phosphofructokinase complex | | IDA | | X | | | | | | | | | | |
| Cellular Component | GO:0005829 | cytosol | | IDA | IDA | X | | | | | | | | | | X |
| Cellular Component | GO:0005737 | cytoplasm | | X | X | X | X | X | X | X | X | X | X | X | X | IDA |
| Cellular Component | GO:0005886 | plasma membrane | | X | X | X | X | X | X | X | X | X | IDA | X | X | X |
| Cellular Component | GO:0009507 | chloroplast | | X | X | X | X | X | X | X | X | X | IDA | X | X | X |

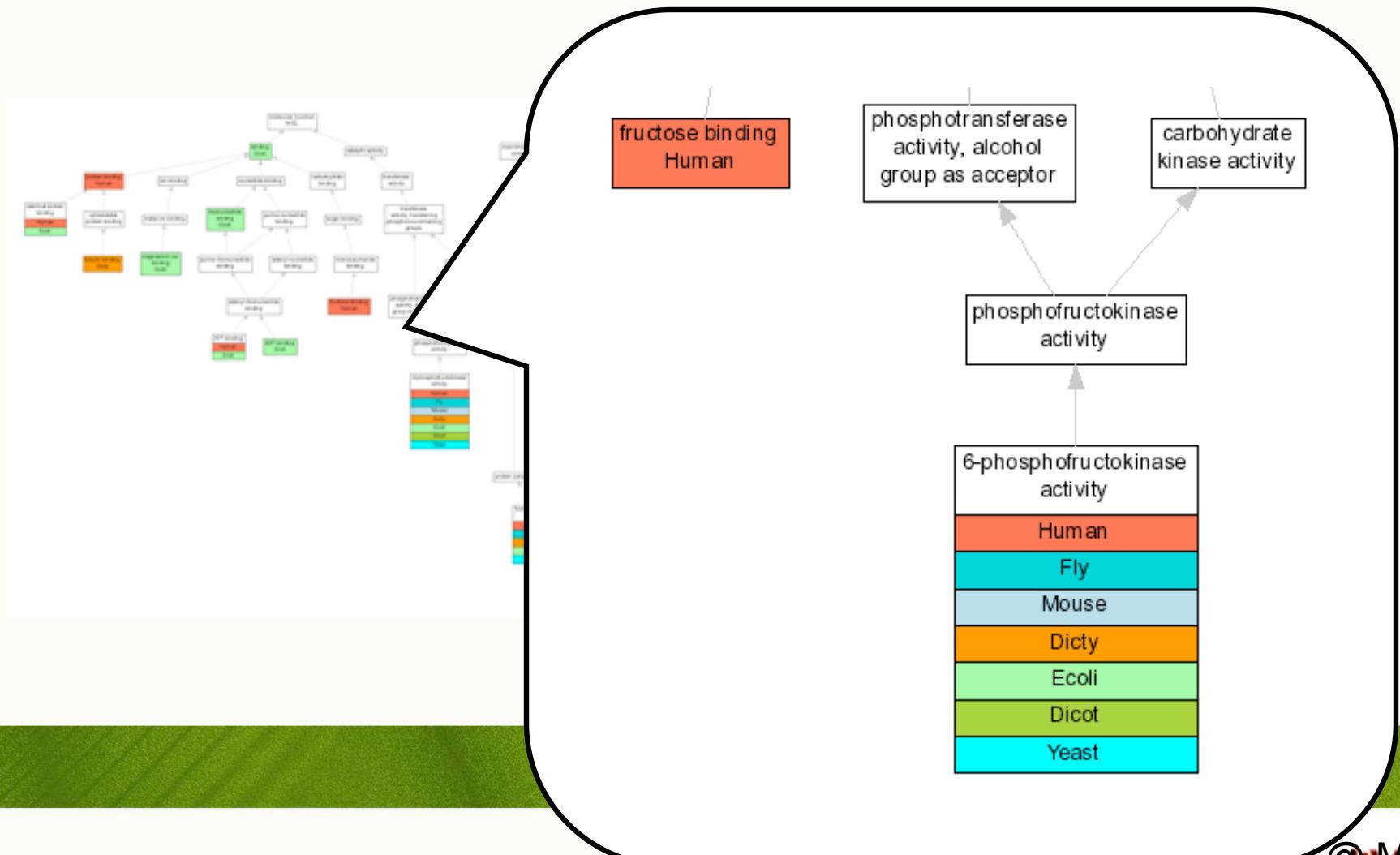


applications



thanks to Mary Dolan @ MGI

applications



conflict detector

Table Edit

Is2_Gene_Product(s)

Are you done editing? If so, click on "Save" or "Cancel" to exit.

Are you sure you want to save the version of this table in the edit and not the copy you are editing?

Rows in conflict with the working copy:

| Qualifier | GO ID | GO term name | Reference(s) | Evidence Code | withdraw | Aspects | Notes | Status |
|-----------|------------|--------------------------------------|---------------|--|----------|---------|--|--------|
| Copy | GO:0000110 | protein binding | PMID:18808888 | IEA: Inferred from Sequence or Structural Similarity | UnPub | | | |
| Copy | GO:0000107 | lysine | PMID:34802170 | | | C | Deleted from EcoCyc 11.5. Required field missing | |
| Copy | GO:0004112 | protein lysine acyltransfer activity | PMID:3573034 | IEA: Inferred by Curator | | P | This is a generic annotation - incomplete | |

The rows shown above are different from the working copy. This includes rows that have been edited and rows that are missing in the copy you are editing.
Copy desired rows to the working version and you have what you need, then continue adding.

Working copy:

The highlighted rows are different from the copy of the table from the edit. This includes rows that have been edited and rows that you added. You can delete rows from the working copy in this view before continuing.

| Qualifier | GO ID | GO term name | Reference(s) | Evidence Code | withdraw | Aspects | Notes | Status |
|--------------|------------|--|--|--|---|---------|--|--|
| Curate | GO:0000110 | protein binding | PMID:18808888 | IEA: Inferred from Physical interaction | UnPub | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0000107 | lysine | PMID:34802170 | IEA: Inferred from Physical interaction | UnPub | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0003840 | lysine activity | GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:1013 InfraPro (PMID:2761 InfraPro (PMID:4718 | | | Deleted from EcoCyc 12.0. Required field missing |
| Curate | GO:0004480 | lysine activity, hydrolysing C-glycopeptides | GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:0101 InfraPro (PMID:0102 InfraPro (PMID:0103 InfraPro (PMID:0104 InfraPro (PMID:0112 | | | Deleted from EcoCyc 12.0. Required field missing |
| Curate | GO:0004380 | beta-galactosidase activity | GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:0109 EC2.1.2.20 | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0004897 | metabolic rate metabolic process | GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:0109 InfraPro (PMID:0111 InfraPro (PMID:0112 InfraPro (PMID:0113 InfraPro (PMID:0114 InfraPro (PMID:0115 InfraPro (PMID:0116 | | | Deleted from EcoCyc 12.0. Required field missing |
| Curate | GO:0008152 | metabolic process | GO_REF_0000004 | IEA: Inferred from Electronic Annotation | BP_KWGN-0226 | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0003504 | beta-galactosidase complex | GO_REF_0000004 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:0109 | C | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0014870 | lysine activity | GO_REF_0000004 | IEA: Inferred from Electronic Annotation | BP_KWGN-0226 | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0014878 | lysine activity, acting on glycine taurine | GO_REF_0000004 | IEA: Inferred from Electronic Annotation | BP_KWGN-0226 | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0033248 | uridylate binding | GO_REF_0000002 GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:1013 InfraPro (PMID:4718 | | | Deleted from EcoCyc 12.0. Required field missing |
| Curate | GO:0043168 | action binding | GO_REF_0000002 | IEA: Inferred from Electronic Annotation | InfraPro (PMID:2761 | P | Deleted from EcoCyc 12.0. Required field missing | complete |
| Curate | GO:0058717 | polymer | | | | C | Deleted from EcoCyc 11.5. Required field missing | |
| Curate | GO:0031802 | uridylate transfer process | | | | P | Deleted from EcoCyc 11.5. Required field missing | |
| Under review | GO:0024712 | other lysine kinase activity | PMID:6203034 | IEA: Inferred by Curator | | P | This is a generic annotation - incomplete | |

ISS: Inferred from Sequence or Structural Similarity

IPI: Inferred from Physical Interaction

help links

pcnB:Gene Product(s)

TableEdit Help

| | |
|-------------------------|--|
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| | Edit Copy Delete public |

[Add column](#) [Add multiple](#)

Table style

(e.g align='right')

Heading style

`{{table heading style}}` [Save styles](#)
(e.g. 'bgcolor = #ccccff' to make the heading background light blue)

[Save Table to wiki page: pcnB:Gene_Product\(s\)](#) [Cancel](#)

[Delete Table](#)

Extra for admins: [View/Edit metadata](#) [View box data](#)

the loader

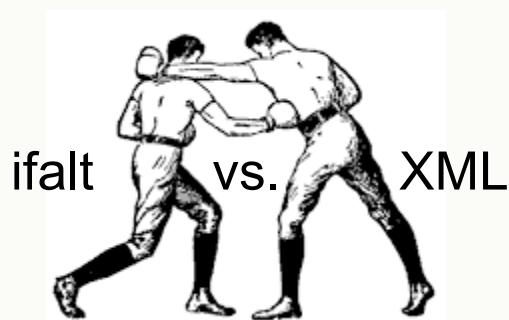
```
// Instantiate the object  
$loader = new TableEdit_Loader;  
  
// set some options  
$loader->setVerbose();  
$loader->setUser();  
$loader->printInfo();  
  
// load pretty much anything into tables from either an *.ifalt file.  
$loader->loadFromFile(array_pop($argv));
```

ifalt

- | | |
|-------------------|----------------------------|
| 1. page title | lacZ:Gene |
| 2. page template | Gene |
| 3. table template | Gene_nomenclature |
| 4. row data | field1 field2 field3 |
| 5. metadata | metadata-for-the-row |
| 6. update type | append |
| 7. misc | key=value&arr[]="foo+bar" |

ifalt

- | | |
|-------------------|----------------------------|
| 1. page title | lacZ:Gene |
| 2. page template | Gene |
| 3. table template | Gene_nomenclature |
| 4. row data | field1 field2 field3 |
| 5. metadata | metadata-for-the-row |
| 6. update type | append |
| 7. misc | key=value&arr[]="foo+bar" |



merging

- $A = B$

rows are exactly the same

| |
|-------------------------|
| old = a b c d e |
| new = a b c d e |

- $A \subseteq B$

A is a subset of B

| |
|-------------------------|
| old = a b c d e |
| new = a b c d e |

- $A \cap B \neq \emptyset$

mutually exclusive

| |
|-------------------------|
| new = a b c d e |
| old = z y w v u |

- $A \cap B = \emptyset$

disjoint

| |
|-------------------------|
| new = a b h k e |
| old = a g h e e |

docs

- PHPdoc (like Javadoc)

Epoch

[class tree: Epoch] [index: Epoch] [all elements]

Todo List

Packages:
Epoch

Files:
epoch.php

Classes:
EW_Common_Tools
EW_Complex_Page
EW_Element
EW_Gene_Set
EW_PMID_Page

Class: EW_Element

Source Location: /epoch.php

Class Overview

The class EW_Element - a base class for any page in the EcoliWiki.

Author(s):

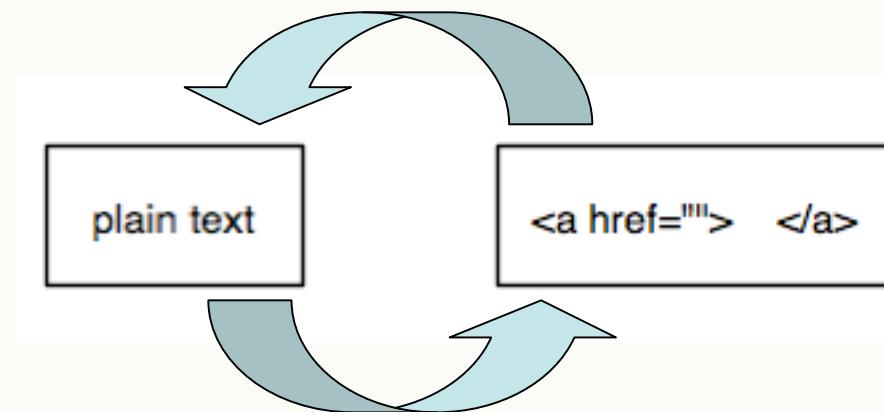
| | |
|---|--|
| Variables | Methods |
| <ul style="list-style-type: none">• \$article• \$db• \$page_name• \$revision | <ul style="list-style-type: none">• __construct• __destruct• do_replacement• find_redirects• find_tables• find_the_right_box• getBoxUid• getPageId• getTableFromWikitext• get_redirects• get_synonyms• load_tables• save• setUser• touch |

- wiki pages as HTML / PDFs



modules

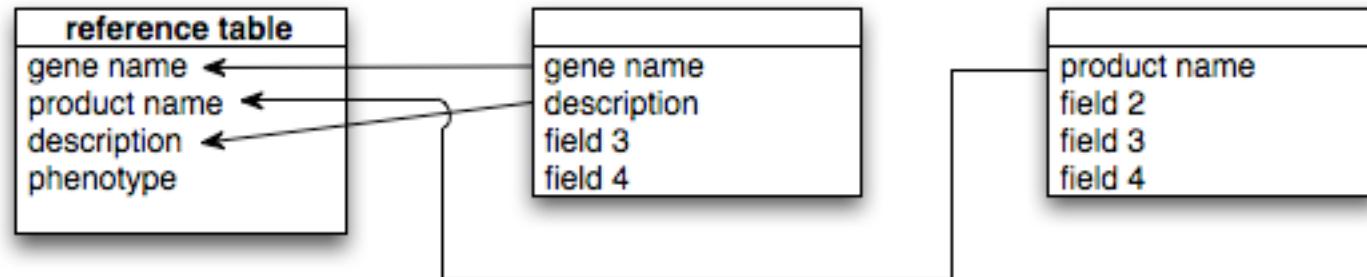
- TableEdit_links



- MirrorAnnotations

foreign tables

- how to mirror data from one table to another?



- keeping data fresh... relations table

| ext_TableEdit_relations | | | | | |
|-------------------------|--|--|--|--|--|
| rel_id | | | | | |
| from_row | | | | | |
| from_field | | | | | |
| to_row | | | | | |
| to_field | | | | | |
| timestamp | | | | | |

database layout

| ext_TableEdit_box | ext_TableEdit_box_metadata |
|--|---|
| box_id template page_name page_uid type headings heading_style box_style timestamp | box_metadata_id box_id box_metadata timestamp |
| ext_TableEdit_row | ext_TableEdit_relations |
| row_id box_id owner_id row_data row_style row_sort_order timestamp | rel_id from_row from_field to_row to_field timestamp |



v2.0

- AJAX
- constrain searching tables / subset of tables
- better object/relational mapping
- Chado roundtrip
- constructive user feedback...

get it

- <http://www.mediawiki.org/wiki/Extension:TableEdit>
- [http://ecoliwiki.\[net|org|com\]](http://ecoliwiki.[net|org|com])
- <http://gowiki.tamu.edu>
 - username: demo
 - Password: pag



thanks

- Jim Hu
- Brenley McIntosh
- the rest of the Hu Lab
- EcoliHub(.org) & NIH
- GMOD guys
- Mediawiki Developers Mailing List
- O'Reilly

demo

[pcnB on dev](#)