

## Adding Annotations

\*\*\* Don't forget to log in. You won't be able to create pages, edit, etc. otherwise.\*\*\*

### Don't forget – No annotations using:

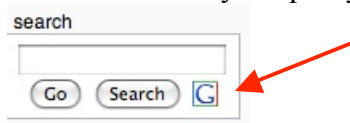
- binding terms (ie. GO:0005515 protein binding, GO:0005524 ATP binding, GO:0008144 drug binding, etc.)
- TAS:Traceable Author Statement, NAS:Non-traceable Author Statement, IC:Inferred by Curator, or ND:No Biological Data Available evidence codes

### To find a UniProt Accession:

1. Go to <http://www.uniprot.org>
2. In the query box, enter a search term (ie cancer), protein name with organism (ie p53 human), gene name with organism, or some other relevant term. Click on "Search".
3. Find the protein you are looking for & copy the accession. Be careful, it may not be the first item listed!

### To find a GO term:

1. Search for a term in the search box on the left of the page. If you click on "G", the search will suggest corrections if you spell your term incorrectly.



### To make a gene product page:

1. Once you have the UniProt Accession (ie. P04637), go to GONUTS (<http://gowiki.tamu.edu>).
2. Click on the "Create New Gene Page" link in the menu on the left of the page.



3. Paste the UniProt Accession into the empty box on the GoPageMaker page and click “Create”. This will make the gene product page in GONUTS automatically, but this may take up to 60 seconds to fetch the info and create the page.

special page | page maker | translator

GONUTS is undergoing some major debugging for Pecan.  
Please expect blank pages and some delays in updating.  
[Email comments to Daniel.]

### GoPageMaker

To create a new gene page, please select a database and enter a unique identifier such as an ID or an accession number. It may take a few minutes to gather data from the primary sources, please be patient.

UniProt Id/Acc  Create

[edit]

The GONUTS gene page maker creates a gene page where you can add GO annotations for any gene that has a UniProt Identifier (ID/Entry or Accession) or a NCBI Identifier (GI Number, RefSeq Accession, GenPept Accession). The information generated by the GONUTS gene page maker is UniProt centric. If NCBI identifiers are used to create a gene page, they are

### To add an annotation to your gene product:

1. Scroll down to the bottom of the “Annotations” table. Click on “edit table”. This will make all of the rows available to edit.

FB:p53 - GONUTS

http://gowiki.tamu.edu/wiki/index.php/FB:p53

Textpresso Dev Prodn GONUTS PubMed Home A&M Libraries EcolWiki - annotation Google SEO Bioinformatics BugTracker Hub blog

FB:p53 - GONUTS

page | discussion | edit | history | delete | move | protect | watch | purge

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### FB:p53

Species (Taxon ID)	Drosophila melanogaster (fruit fly) (taxon:7227)						
Gene Name(s)	p53 ( synonyms: CG10873, CG31325, CG33336, D-p53, Dm-P53, Dmp53, Dp53, Drosophila p53, dmp53, dp53, p53-like regulator of apoptosis and cell cycle, prac )						
Protein Name(s)	p53,						
External Links							
FB	FBgn0039044						

[edit]

#### Annotations

Showing 1 to 32 of 32 entries

Filter Rows:  Evidence: (Any/All)

Qualifier	GO ID	GO term name	Reference(s)	Evidence Code	with/from	Aspect	Notes	Status
	GO:0003677	DNA binding	FB:FBf0105495	NAS: Non-traceable Author Statement		F	From FB	
	GO:0045787	positive regulation of cell cycle	FB:FBf0190213 PMID:16326395 <sup>[16]</sup>	IGI: Inferred from Genetic Interaction	FB:FBgn0019624	P	From FB	

[edit table](#)

#### Notes

[edit]

2. Scroll to the bottom of the table again, click on “Add row”.

Table Edit - GONUTS

http://gowiki.tamu.edu/wiki/Title=Special:TableEdit&id=bc145ea1477e36caf09c1bfeed4ee9d.38322.G4a9a9a8773

Table Edit - GONUTS

special page

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### Table Edit

FB:p53 [TableEdit Help](#)

Showing 1 to 32 of 32 entries Filter Rows: Evidence: Any/All

Qualifier	GO ID	GO term name	Reference(s)	Evidence Code	with/from	Aspect	Notes	Status
<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> public	GO:0003677	DNA binding	FB:FBf0105495	NAS: Non-traceable Author Statement		F	From FB	
<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> public	GO:0003700	sequence-specific DNA binding transcription factor activity	FB:FBf0127845	NAS: Non-traceable Author Statement		F	From FB	
<a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> public	GO:0006357	regulation of transcription from RNA polymerase II promoter	FB:FBf0161621	TAS: Traceable Author Statement		P	From FB	

[Add row](#) [Add multiple](#)

Table style: Heading style: [Save styles](#)  
(e.g. align="right") (e.g. bgcolor = #ccccff to make the heading background light blue)

[Save Table to wiki page: FB:p53](#) [Cancel](#) [Delete Table](#)

3. You must fill in the form and save (not update) your annotation.

### Table Edit

FB:p53

Qualifier	<input type="text"/>
GO ID	<input type="text"/>
GO term name	<input type="text"/>
Reference(s)	<input type="text"/>
Evidence Code	<input type="text"/>
with/from	<input type="text"/>
Aspect	<input type="text"/>
Notes	<input type="text"/>
Status	Missing: GO ID, evidence, reference
<input type="button" value="Public"/> <input type="button" value="Update"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Public rows can be edited or deleted by any user who can edit  
Private rows can be edited or deleted by their creator, or by admins

**\*\*There are required and optional fields you must add for every annotation:**

Required:     GO ID (ie GO:0005737)  
                  Reference (ie. PMID: 11111111)  
                  Evidence Code (ie. IDA)  
                  Notes (what figure/method/result in this paper)

Optional:     For some evidence codes, you may have to fill in another  
                  field called “with/from”.  
                  For some terms, you may add a “Qualifier”.

Examples for Optional Fields:

- If you have a paper that shows that a certain phenotype only shows up when you delete 2 genes (gene aaaA and gene zzzZ), you will use the IGI evidence code, which requires the “with/from” field to be filled in. Edit the Annotations table on the gene page for aaaA and add a row so you can put in your annotation. Enter your appropriate GO ID, Reference (PMID:11111111), Evidence Code is IGI (Inferred from Genetic Interaction), which will bring up an additional field. This additional field is the “with/from” field and you **must** put in an accession for zzzZ (ie UniProt Accession) for this annotation to be considered complete. Note that you can add the same annotation to zzzZ’s annotation table with the accession for aaaA in the “with/from” field.
- You have a paper that shows that 2 or more (a complex) of gene products are required to get a certain activity and that the individual gene products alone are not sufficient to show this activity. In this case, you must add a qualifier of “contributes\_to”. This is ONLY relevant to molecular function terms.
- You have a paper that says “in contrast to previous reports, this protein was not localized to the inner membrane upon subcellular fractionation”. In this case, you are allowed to put a “NOT” qualifier in front of an annotation to inner membrane (so long as the experimental result shows this). This qualifier is used when a previously reported result is shown to be incorrect (ie. NOT in inner membrane as shown before), not when there is a negative result reported (ie. Protein A isn’t in the inner membrane and has never been reported to be).
- For more information, see:  
**<http://www.geneontology.org/GO.annotation.conventions.shtml>**