

## **VectorBase ontologies and the population biology browser (PopBio)**

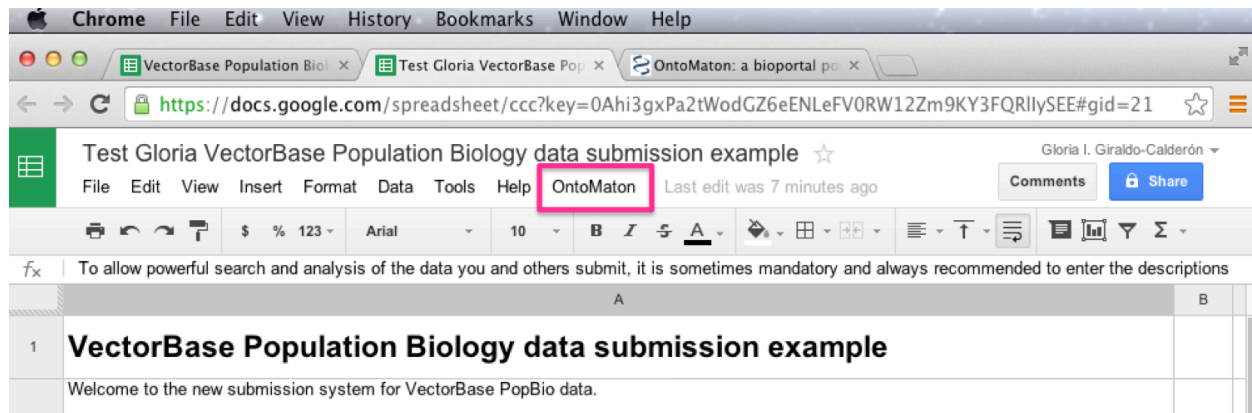
1. To do this practice exercises please use Google Chrome (OntoMaton does not work with Safari and Firefox) and log in to your Google Docs/Google Drive.
2. Follow this link, read the population biology submission guide and visit the example submission spreadsheet:

[www.vectorbase.org/popbio/submission](http://www.vectorbase.org/popbio/submission)

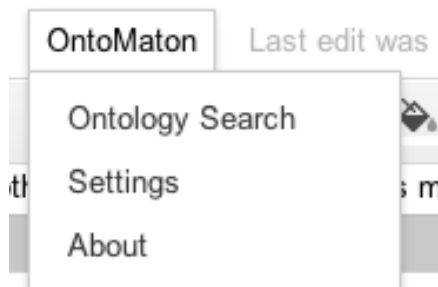
3. Go to the “File menu”, click on “make a copy”, add the word “test” and your name and keep the file name the same, e.g.:

Test Gloria VectorBase Population Biology data submission example

4. Click on “OntoMaton” <sup>1</sup>



5. This tab will open a menu.



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<sup>1</sup> Maguire *et al.* 2013. OntoMaton: a bioportal powered ontology widget for Google Spreadsheets. *Bioinformatics*. 29(4):525-7

- Select the first option named “Ontology Search”. The first time you have to authorize this app to run and acknowledge/accept what this app would do to your spreadsheets.
- GO to the bottom of the page and click on “a\_dose-response”


37							
38							
39							
40							
	+	☰	README ▾	i_investigation ▾	s_samples ▾	a_collection ▾	a_species ▾
							a_dose-response ▾

- Go to cell G-7

	A	B	C	D	E	F	G	H	I	J
1	Sample Name	Assay Name	Protocol REF	Performer	Date	Comment [note]	Parameter Value [insecticidal substance]	Term Source REF	Term Accession Number	Raw Data File
2	Sample01	Sample01.dr.DDT	IR				DDT	MIRO	10000157	p_dose-response.txt
3	Sample02	Sample02.dr.DDT	IR				DDT	MIRO	10000157	p_dose-response.txt
4	Sample01	Sample01.dr.diieldrin	IR				diieldrin	MIRO	10000160	p_dose-response.txt
5	Sample02	Sample02.dr.diieldrin	IR				diieldrin	MIRO	10000160	p_dose-response.txt
6										
7										
8										

- Use OntoMaton to fill PopBio submission.

[click here to drag]



- Click on OntoMaton menu and select “Ontology Search”.
- Type “DDT” and click on search.
- When the results are shown click on the plus sign “+”.



2 results for DDT

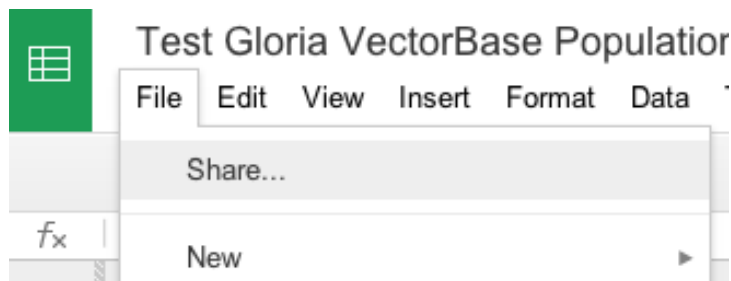
Mosquito Insecticide Resistance Ontology (version 49766)

Select Details DDT

Select Details DDT dehydrochlorination measurement

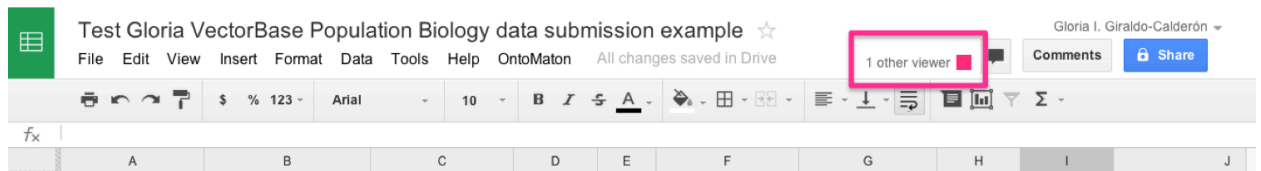
- Click on the “Details” of the first hit.
- What happens?
- What is the MIRO ID?
- What is the definition?
- Click on the “Details” of the second hit. Are these two hits the same or different?
- Click on “Select” from the first hit.
- Click on the “x” in the top hand right of the pop out window to close.
- What happed? Which cells were populated and with which information?

10. To share the submission form with your collaborators and with us, got to the “File” menu and click “Share ...”



11. Working with your collaborators or getting help from us:


- In the box to “Invite people” please type [uncoolbob@gmail.com](mailto:uncoolbob@gmail.com), this is the email of Bob MacCallum, he is the curator of PopBio data and will be able to help you if you have any question about the submission process.
- Click “Share and save” and Click on “Done”.
- If Bob is looking at your spreadsheet you can talk with him if you click on “other viewer” at the top of the page.
- You may follow the same steps to share with your collaborators too.



1 other viewer



Comments

 Share

Gloria I. Giraldo-Calderon

Gloria I. Giraldo-Calderon has opened the document.

Type here to chat

As always, please feel free to send us an email to [info@vectorbase.org](mailto:info@vectorbase.org) with your questions, suggestions or feedback.

**Note:** The answer key for these practice exercises will be available as a separate file next year. Remember that answers or screen shots may be different because Google products are periodically updated.