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Bioprojects

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We use this protocol and it's working

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Disclaimer

Our protocols are constantly evolving and old versions will be deleted.
The documents here are not intended to be cited in publications

Abstract

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- 1 First use Avery's "Submitting Sequences to GenBank Protocol" to create an NCBI account.
- 2 You're going to want to create a BioProject before you start uploading sequences, so that when you upload the sequences, they can be tied to an existing BioProject. To create a BioProject, follow this tutorial, you will want to scroll to the section that says 'Creating a BioProject'.
<https://sibarcodenetwork.readthedocs.io/en/latest/bioprojects.html#adding-a-bioproject-to-existing-genbank-records>

3

Submitter

Required fields are marked with * asterisk

Affiliation

The information you give here will be displayed in the final sequence records.
For address details, provide the primary address where work was done to generate the data in this submission.

* Submitting organization	* Department			
Scripps Institution of Oceanography	Marine Biology Research Division			
* Street	* City	* State/Province	* Postal code	* Country
8750 Biological Grade, Hubbs Hall Rm. 235C	La Jolla	CA	92037	United States of America

Contact information

GenBank may use this information to contact you about your submission, it will not be displayed in the final sequence records.

* Email (primary)	Email (secondary)	Please provide an alternate email address to ensure that messages are received
seahatch3@gmail.com	ahatch@ucsd.edu	
* First (given) name	Middle name	* Last (family) name
Avery	Sea	Hatch
Phone	Fax	

Continue

☒ Update my contact information in profile

When you get here, make sure you add your email address and a secondary email address (preferably Greg/Charlotte) so that we can still access the BioProject when you leave the lab, and no longer have access to your UCSD email! This is what you fill in for the relevant information (obviously replacing Avery's name and info with yours).

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Submission Portal

BioProject submission: SUB5575429

Arthropods Targeted loci

1 SUBMITTER 2 PROJECT TYPE 3 TARGET 4 GENERAL INFO 5 BIOSAMPLE 6 PUBLICATIONS 7 REVIEW & SUBMIT

General Info

Release date

Note: Release of BioProject or BioSample is also triggered by the release of linked data.

★ When should this submission be released to the public?

- ☒ Release immediately following processing
☐ Release on specified date or upon publication, whichever is first

★ Project title ?

Title of your project

★ Public description ?

Give a description of the project because this is front and center on the BioProject page.

Relevance ?

★ Is your project part of a larger initiative which is already registered with NCBI?

- ☐ No ☒ Yes (not very common)

★ Initiative description

SI Barcode Network

★ BioProject accession

PRJNA81359

Note: If you are registering a project that is part of an initiative which is already registered in the BioProject database, then please tell us the existing BioProject accession and provide a general description of the larger initiative. For example, the ENCODE project and Human Microbiome project have several subprojects. This information is needed for project linking.

Select 'No' for Is your project part of a larger...

Select Release immediately following processing

You'll want to give your title an informative description. See these BioProjects for some examples of titles and descriptions/general formatting:

<https://www.ncbi.nlm.nih.gov/bioproject/1111130>

<https://www.ncbi.nlm.nih.gov/bioproject/PRJNA471644>

External Links

Link description ?

URL ?

Delete

Add another link

Select your grants

1

Use this tool to look up grants from many subscribed governmental funding agencies (eg NIH, CDC, FDA and VA) and some non-governmental funding sources (eg HHMI and Autism Speaks). You can search by grant number, title or grantee name. If your grant is not included, you can select the "Add grants manually" option within this tool to add your grant.

Add grants

Consortium name ?

Consortium URL ?

Data provider ?

Data provider URL ?

Delete

Add another data provider

Continue

Include a link to the cruise/organization details for those that want to learn more. Examples would be a link to the cruise description, from their website. See example for relevant links. Add a link to the BIC database, as well <https://www.ncbi.nlm.nih.gov/bioproject/PRJNA471644>

6

Select grants

Search by grant #

Search by title

Search by grantee name

Search

Add selected grants

Enter grants manually

Cancel

Include relevant grant information from the cruise/sequencing event (get from Greg/Charlotte). It may not show up as registered with NCBI. This is OK. Include it manually.

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- 7 **Publications:** Add in relevant publications from the lab that may have come out of this cruise. See example: <https://www.ncbi.nlm.nih.gov/bioproject/PRJNA471644>
You can search publications by typing in the doi link into the search bar
- 8 Skip the BioSample tab, this isn't necessary because all of the data from the sequence you'll include when you submit your sequence.

9

Submission Portal

BioProject submission: SUB5575429

Title of your project

1 SUBMITTER 2 PROJECT TYPE 3 TARGET 4 GENERAL INFO 5 BIOSAMPLE 6 PUBLICATIONS 7 REVIEW & SUBMIT

Review & Submit

This BioProject submission will be released **immediately following processing.**

Submitter

Submitter Niamh Redmond
redmondn@si.edu
Submitting organization Smithsonian
<https://www.si.edu/>

Project type

Sample scope Multispecies
Target description Arthropods

Target

Organism name (taxid) None

General information

Project details

Parent project ID PRJNA81359
Parent project description SI Barcode Network
Project type targeted loci
Title Title of your project
Description Give a description of the project because this is front and center on the BioProject page.

Submit

Your final screen should look similar to this when completed.

All BioProject data that has been entered is summarized in one place for review. This will be the last chance to make any changes before submitting. **LOOK CAREFULLY THAT EVERYTHING IS CORRECT!!!**

Shortly afterwards, NCBI will send an email to note that the BioProject has been successfully created. Most importantly, they will send the BioProject ID, which can then be added to existing GenBank records or include in new GenBank submissions.

- 10 Once you've created your BioProject, it's time to link some sequences to it. For publishing sequences to GenBank, Avery has made a phenomenal tutorial on how to upload sequences to GenBank

LINKING SEQUENCES TO BIOPROJECTS - IMPORTANT!!!!!!

- 11 The most important step is linking your sequences to a BioProject. To do so, when uploading sequences, download a source modifier template (see next step).
- 12 <https://www.ncbi.nlm.nih.gov/WebSub/html/help/genbank-source-table.html#modifiers>.
TEMPLATE HERE:



- 13 In our source modifier table, open it in excel, and add a new column. Simply add a column containing the BioProject ID with the column header "Bioproject" (without the quotations). And in that column, put the accession number of your BioProject. This is why you should publish the BioProject before uploading sequences. :)

Like this:

Accession	Species	Country	Date
AF010001	B. anthracis	USA	1991
AF010002	B. anthracis	USA	1991
AF010003	B. anthracis	USA	1991
AF010004	B. anthracis	USA	1991
AF010005	B. anthracis	USA	1991
AF010006	B. anthracis	USA	1991
AF010007	B. anthracis	USA	1991
AF010008	B. anthracis	USA	1991
AF010009	B. anthracis	USA	1991
AF010010	B. anthracis	USA	1991
AF010011	B. anthracis	USA	1991
AF010012	B. anthracis	USA	1991
AF010013	B. anthracis	USA	1991
AF010014	B. anthracis	USA	1991
AF010015	B. anthracis	USA	1991
AF010016	B. anthracis	USA	1991
AF010017	B. anthracis	USA	1991
AF010018	B. anthracis	USA	1991
AF010019	B. anthracis	USA	1991
AF010020	B. anthracis	USA	1991
AF010021	B. anthracis	USA	1991
AF010022	B. anthracis	USA	1991
AF010023	B. anthracis	USA	1991
AF010024	B. anthracis	USA	1991
AF010025	B. anthracis	USA	1991
AF010026	B. anthracis	USA	1991
AF010027	B. anthracis	USA	1991
AF010028	B. anthracis	USA	1991
AF010029	B. anthracis	USA	1991
AF010030	B. anthracis	USA	1991
AF010031	B. anthracis	USA	1991
AF010032	B. anthracis	USA	1991
AF010033	B. anthracis	USA	1991
AF010034	B. anthracis	USA	1991
AF010035	B. anthracis	USA	1991
AF010036	B. anthracis	USA	1991
AF010037	B. anthracis	USA	1991
AF010038	B. anthracis	USA	1991
AF010039	B. anthracis	USA	1991
AF010040	B. anthracis	USA	1991
AF010041	B. anthracis	USA	1991
AF010042	B. anthracis	USA	1991
AF010043	B. anthracis	USA	1991
AF010044	B. anthracis	USA	1991
AF010045	B. anthracis	USA	1991
AF010046	B. anthracis	USA	1991
AF010047	B. anthracis	USA	1991
AF010048	B. anthracis	USA	1991
AF010049	B. anthracis	USA	1991
AF010050	B. anthracis	USA	1991
AF010051	B. anthracis	USA	1991
AF010052	B. anthracis	USA	1991
AF010053	B. anthracis	USA	1991
AF010054	B. anthracis	USA	1991
AF010055	B. anthracis	USA	1991
AF010056	B. anthracis	USA	1991
AF010057	B. anthracis	USA	1991
AF010058	B. anthracis	USA	1991
AF010059	B. anthracis	USA	1991
AF010060	B. anthracis	USA	1991
AF010061	B. anthracis	USA	1991
AF010062	B. anthracis	USA	1991
AF010063	B. anthracis	USA	1991
AF010064	B. anthracis	USA	1991
AF010065	B. anthracis	USA	1991
AF010066	B. anthracis	USA	1991
AF010067	B. anthracis	USA	1991
AF010068	B. anthracis	USA	1991
AF010069	B. anthracis	USA	1991
AF010070	B. anthracis	USA	1991
AF010071	B. anthracis	USA	1991
AF010072	B. anthracis	USA	1991
AF010073	B. anthracis	USA	1991
AF010074	B. anthracis	USA	1991
AF010075	B. anthracis	USA	1991
AF010076	B. anthracis	USA	1991
AF010077	B. anthracis	USA	1991
AF010078	B. anthracis	USA	1991
AF010079	B. anthracis	USA	1991
AF010080	B. anthracis	USA	1991
AF010081	B. anthracis	USA	1991
AF010082	B. anthracis	USA	1991
AF010083	B. anthracis	USA	1991
AF010084	B. anthracis	USA	1991
AF010085	B. anthracis	USA	1991
AF010086	B. anthracis	USA	1991
AF010087	B. anthracis	USA	1991
AF010088	B. anthracis	USA	1991
AF010089	B. anthracis	USA	1991
AF010090	B. anthracis	USA	1991
AF010091	B. anthracis	USA	1991
AF010092	B. anthracis	USA	1991
AF010093	B. anthracis	USA	1991
AF010094	B. anthracis	USA	1991
AF010095	B. anthracis	USA	1991
AF010096	B. anthracis	USA	1991
AF010097	B. anthracis	USA	1991
AF010098	B. anthracis	USA	1991
AF010099	B. anthracis	USA	1991
AF010100	B. anthracis	USA	1991



Linking Already Published Sequences to BioProjects

14 Before you publish your sequences - it's a good idea to check: "Does a BioProject exist for this sequence I'm about to publish?" Ask Greg/Charlotte and lab members. This is so you don't have to make manual email corrections to link your sequence - they are tedious and annoying.

15 There are two ways to link published sequences to BioProjects:

Adding a BioProject ID to sequence records that are already published to GenBank is a manual procedure done through email. There are two options:

Either - Email bioprojecthelp@ncbi.nlm.nih.gov with:

Note

1. the BioProject ID in the **subject line**
2. the range of GenBank accessions to be added to the BioProject in **the body of the email**

Or - Treat the BioProject as a source modifier update to the GenBank accessions and email gb-admin@ncbi.nlm.nih.gov with:

- the range of GenBank accessions to be updated in the subject line
- attach a text file table that contains the fields "acc. num." and "bioproject" (without the quotations)