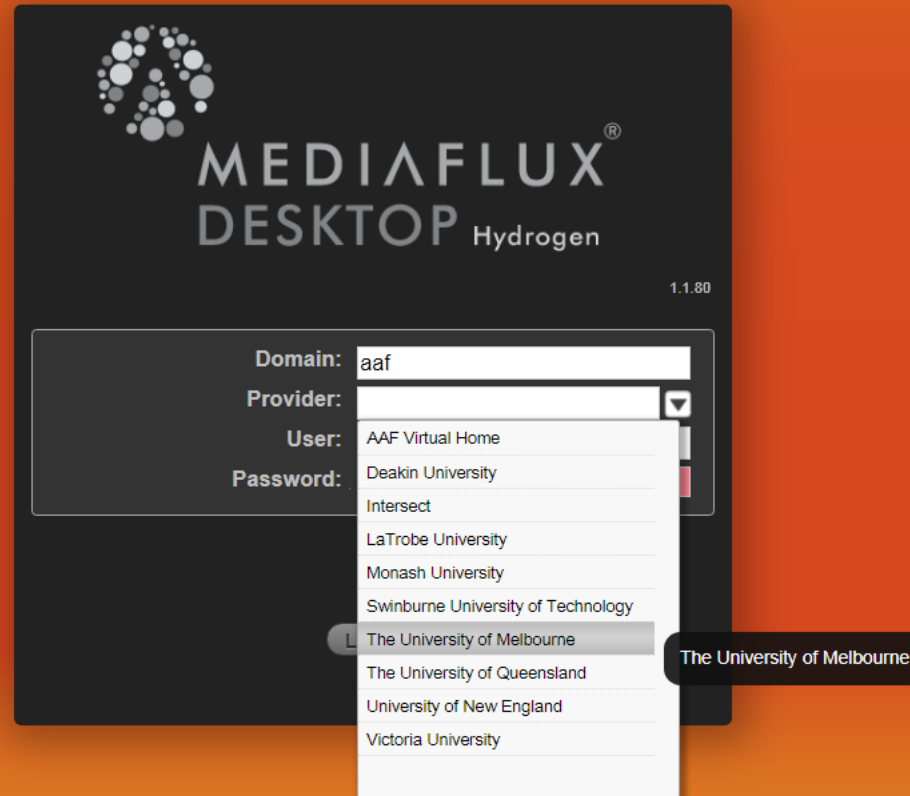




1. Open your browser and go to <https://mediaflux.vicnode.org.au/desktop/?dti=no>, which should take you to a screen like the one shown here.



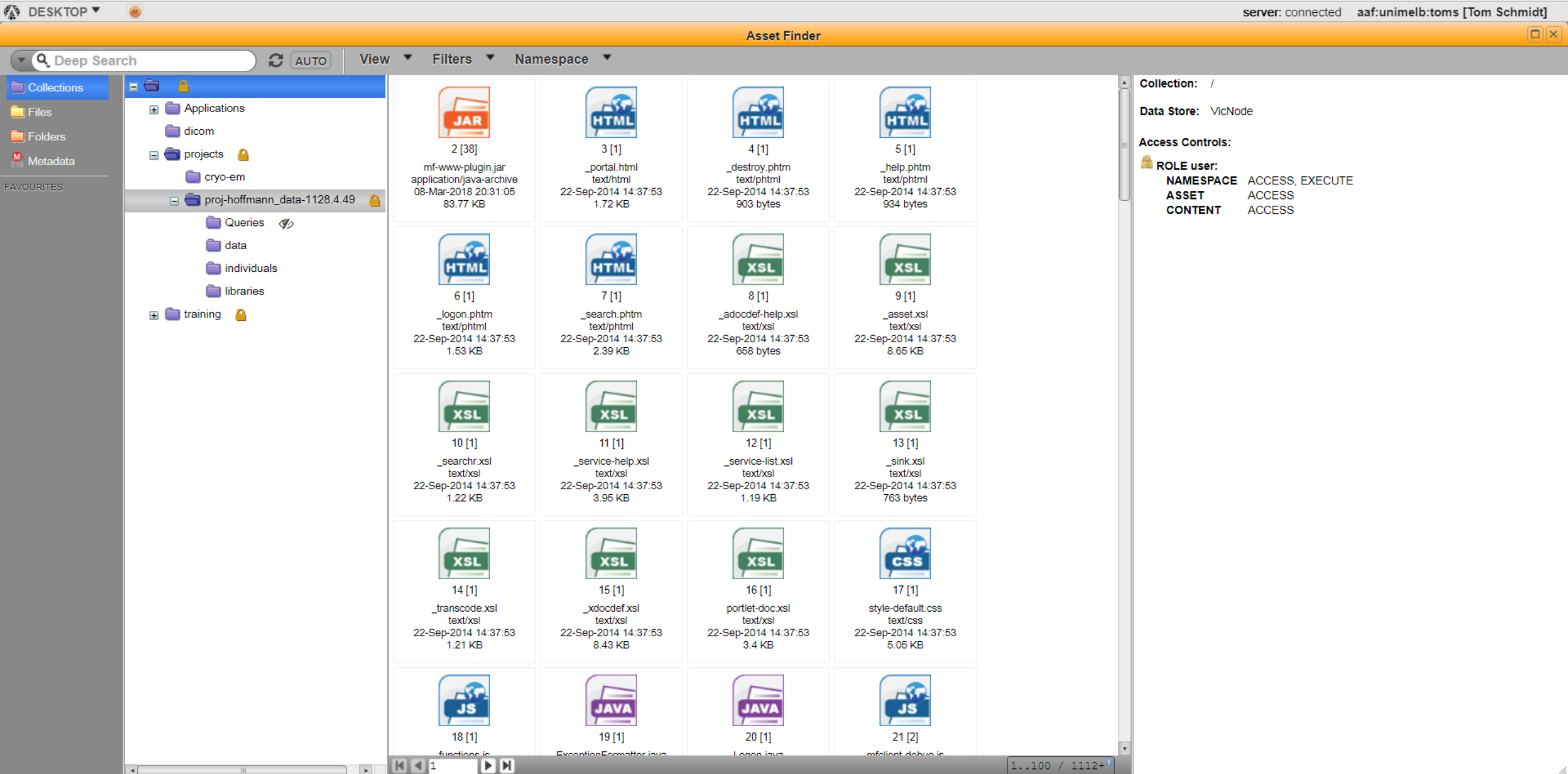
2. In the **Domain** field, enter “aaf” (without the inverted commas) and hit Tab, then select The University of Melbourne as **Provider**.



3. Fill in your username and password, then login.



4. Double click **Asset Finder** to open it.



5. Click the + next to **projects**, then select the + next to **projects/proj-hoffmann_data-1128.4.49**. This shows the three 'namespaces' that we'll be dealing with: **data**, **individuals** and **libraries**.

server: connected aaf:unimelb:toms [Tom Schmidt]

Asset Finder














Deep Search AUTO View Filters Namespace

Collections

- Files
- Folders
- Metadata

FAVOURITES:

- Applications
 - dicom
- projects
 - cryo-em
 - proj-hoffmann_data-1128.4.49
 - Queries
 - data**
 - individuals
 - libraries
- training

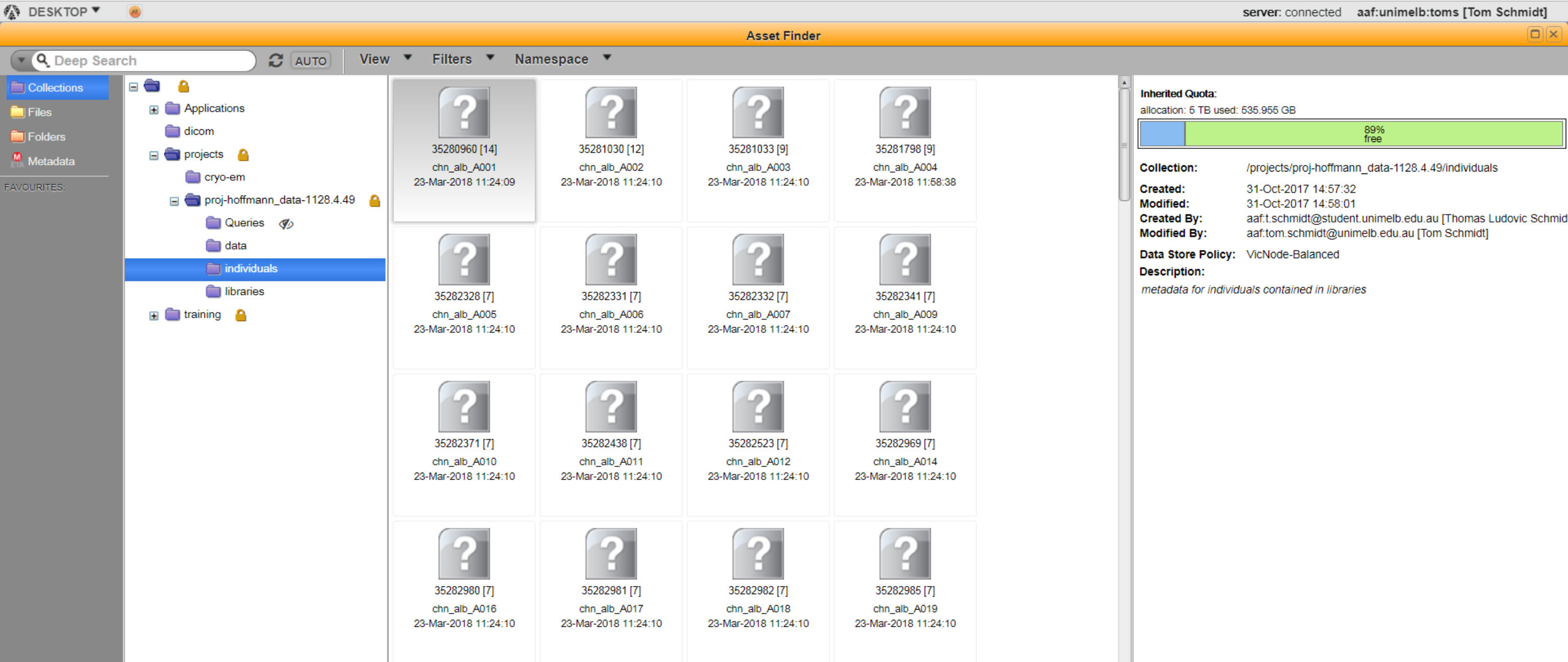
 35512059 [1] P4_CA5YJANXX.zip application/zip 17-Jan-2018 11:56:07 28.992 GB	 35512420 [1] P5_CA5YJANXX.zip application/zip 17-Jan-2018 19:30:55 28.337 GB	 35515752 [1] P6_CA5YJANXX.zip application/zip 18-Jan-2018 12:20:49 27.79 GB	 35516931 [1] QA_library9_albo_INC_DPS_E application/zip 18-Jan-2018 16:05:10 30.134 GB
 35535007 [1] CairnsL1.zip application/zip 07-Feb-2018 15:19:31 33.768 GB	 35535045 [1] CairnsL2.zip application/zip 07-Feb-2018 17:12:43 34.249 GB	 35535046 [1] CairnsL3.zip application/zip 07-Feb-2018 17:29:52 32.552 GB	 36550156 [1] Gv10_1_ATCACG.zip application/zip 22-Mar-2018 13:31:32 85.148 GB
 36550160 [1] Gv10_2_CGATGT.zip application/zip 22-Mar-2018 14:23:47 79.104 GB	 36550162 [1] Gv13_1_TTAGGC.zip application/zip 22-Mar-2018 14:54:36 52.951 GB	 36550166 [1] Gv13_2_TGACCA.zip application/zip 22-Mar-2018 15:17:19 39.388 GB	 36550499 [1] ASH_LIB_02_BRA.zip application/zip 22-Mar-2018 15:32:49 26.429 GB
 36551436 [1] ASH_LIB_01_QLD.zip application/zip 23-Mar-2018 16:42:09 37.124 GB			

Inherited Quota:
 allocation: 5 TB used: 535.955 GB

89% free

Collection: /projects/proj-hoffmann_data-1128.4.49/data
Created: 20-Nov-2017 17:42:15
Created By: aaf.t.schmidt@student.unimelb.edu.au [Thomas Ludovic Schmidt]
Data Store Policy: VicNode-Balanced
Description: library files

6. The **data** namespace contains sequence library files. Each of these files contains the raw forward and reverse reads of a NGS library (usually 2 files). See [Uploading_libraries_to_mediaflux](#) for details of how to prepare and upload libraries to **data**.



7. The **individuals** namespace contains all relevant information about each individual mosquito/mite/etc that has been included in one of the libraries stored in the **data** namespace.

We can take a closer look at one individual here, “chn_alb_A001”, by clicking on it.

DESKTOP Asset Finder server: connected aaf:unimelb:toms [Tom Schmidt]

Deep Search AUTO View Filters Asset

Collections

- Files
- Folders
- Metadata

FAVOURITES:

- Applications
- dicom
- projects
 - cryo-em
 - proj-hoffmann_data-1128.4.49
 - Queries
 - data
 - individuals
 - libraries
 - training

35280960 [14]
chn_alb_A001
23-Mar-2018 11:24:09

35281030 [12]
chn_alb_A002
23-Mar-2018 11:24:10

35281033 [9]
chn_alb_A003
23-Mar-2018 11:24:10

35281798 [9]
chn_alb_A004
23-Mar-2018 11:58:38

35282328 [7]
chn_alb_A005

Identifier: 35280960
Version: 14
Name: chn_alb_A001
Type: content/unknown
Collection: /projects/proj-hoffmann_data-1128.4.49/individuals
Created: 31-Oct-2017 18:21:00
Modified: 23-Mar-2018 11:24:09
Created By: aaf.t.schmidt@student.unimelb.edu.au [Thomas Ludovic Schmidt]
Modified By: system:nkilleen [Neil Killeen]

Metadata:

mf-revision-history

user

- id 421
- domain system
- name nkilleen

type modify

proj-hoffmann_data-1128.4.49:individuals_metadata

- date_current_update** 31-Oct-2017 00:00:00
- person_current_update** Tom Schmidt
- scientific_name_species** Aedes albopictus
- common_name_species** Asian Tiger Mosquito
- individual_description** This individual has been extracted and sequenced. The individual was collected as either a larva or pupa in Guangzhou in 2015 from a natural container. It was raised in a lab to adulthood, mated, then sacrificed before being sent to Melbourne. Tom Schmidt investigated fine-scale genetic structure among these individuals in 2016/17. This individual is part of the library P4_CA5YJANXX.
- date_collection** 25-Sep-2015 00:00:00
- person_collection** Dongjing Zhang
- dev_stage_collected** Larva or pupa
- dev_stage_stored** Larva or pupa
- person_identified** Dongjing Zhang @ Xi Lab
- isolate** Jiuwei Village
- isolation_source** sample site
- mol_type** genomic DNA
- publication_id** https://doi.org/10.1371/journal.pntd.0006009
- sex** female
- sampling_type** field

proj-hoffmann_data-1128.4.49:individuals_storage

- dna_tube1_label** A001 elution A
- dna_tube1_location** Hoffmann Lab, -80C Freezer, 3rd Lever, Drawers on RHS, 2nd Column, rows 4 and 5
- dna_tube1_conc** 14.6
- dna_tube2_label** A001 elution B
- dna_tube2_location** Hoffmann Lab, -80C Freezer, 3rd Lever, Drawers on RHS, 2nd Column, rows 4 and 5
- initial_storage_solution** 80% ethanol

Relationship	Name	ID	Type	Size
No related assets				

8. The right hand side lists the metadata associated with this individual that has been stored on this server. There are section headings in orange (e.g. **individuals_metadata**) and metadata elements in blue (e.g. **sex**).

DESKTOP server: connected aaf:unimelb:toms [Tom Schmidt]

Asset Finder

Deep Search AUTO View Filters Asset

Collections

- Files
- Folders
- Metadata

FAVOURITES:

- Applications
- dicom
- projects
 - cryo-em
 - proj-hoffmann_data-1128.4.49
 - Queries
 - data
 - individuals**
 - libraries
 - training

35280960 [14]
chn_alb_A001
23-Mar-2018 11:24:09

35281030 [12]
chn_alb_A002
23-Mar-2018 11:24:10

35281033 [9]
chn_alb_A003
23-Mar-2018 11:24:10

35281798 [9]
chn_alb_A004
23-Mar-2018 11:58:38

35282328 [7]
chn_alb_A005

proj-hoffmann_data-1128.4.49:individuals_metadata

date_current_update 31-Oct-2017 00:00:00
person_current_update Tom Schmidt
scientific_name_species Aedes albopictus
common_name_species Asian Tiger Mosquito
individual_description This individual has been extracted and sequenced. The individual was collected as either a larva or pupa in Guangzhou in 2015 from a natural container. It was raised in a lab to adulthood, mated, then sacrificed before being sent to Melbourne. Tom Schmidt investigated fine-scale genetic structure among these individuals in 2016/17. This individual is part of the library P4_CA5YJANXX.

date_collection 25-Sep-2015 00:00:00
person_collection Dongjing Zhang
dev_stage_collected Larva or pupa
dev_stage_stored Larva or pupa
person_identified Dongjing Zhang @ Xi Lab
isolate Jiuwei Village
isolation_source sample site
mol_type genomic DNA
publication_id <https://doi.org/10.1371/journal.pntd.0006009>
sex female
sampling_type field

proj-hoffmann_data-1128.4.49:individuals_storage

dna_tube1_label A001 elution A
dna_tube1_location Hoffmann Lab, -80C Freezer, 3rd Lever, Drawers on RHS, 2nd Column, rows 4 and 5
dna_tube1_conc 14.6
dna_tube2_label A001 elution B
dna_tube2_location Hoffmann Lab, -80C Freezer, 3rd Lever, Drawers on RHS, 2nd Column, rows 4 and 5
initial_storage_solution 80% ethanol

proj-hoffmann_data-1128.4.49:individuals_locations

country China
subregion Guangzhou City
specific_location Jiuwei Village
sampling_scheme Collected from natural containers in Guangzhou. All individuals from the same isolate (sample site) were collected near to each other but not necessarily from the same container.
latitude 23.10671389
longitude 113.4452778

proj-hoffmann_data-1128.4.49:individuals_store-and-retrieve

radseq_library_name P4_CA5YJANXX
radseq_library_alias P4
raw_sequence_filename P4_CA5YJANXX_NoIndex_L002_R1.fastq.gz|P4_CA5YJANXX_NoIndex_L002_R2.fastq.gz
barcode_reference_list pearq_bc2017
p1_barcode_code_sequence 3 ACGTCA
p2_barcode_code_sequence 1 CATGAC

proj-hoffmann_data-1128.4.49:individuals_name

individual_code chn_alb_A001
individual_code_alias A001

Relationship	Name	ID	Type	Size
No related assets				

9. Scrolling down, we see all the metadata listed for “chn_alb_A001”.

DESKTOP server: connected aaf:animelb:toms [Tom Schmidt]

Asset Finder

Deep Search AUTO View Filters Asset

Collections

- Files
- Folders
- Metadata

FAVOURITES:

- Applications
- dicom
- projects
 - cryo-em
 - proj-hoffmann_data-1128.4.49
 - Queries
 - data
 - individuals
 - libraries**
 - training

35280914 [6] P4_CA5YJANXX 23-Mar-2018 11:22:44	35280919 [6] P5_CA5YJANXX 23-Mar-2018 11:22:44
35280920 [6] P6_CA5YJANXX 23-Mar-2018 11:22:44	35547226 [1] CaimsL1 16-Feb-2018 18:15:45
35547227 [1] CaimsL2 16-Feb-2018 18:19:38	35547228 [1] CaimsL3 16-Feb-2018 18:20:40
36551235 [3] ASH_LIB_02_BRA 23-Mar-2018 14:23:28	36551336 [2] ASH_LIB_01_QLD 23-Mar-2018 14:23:43

Collection: /projects/proj-hoffmann_data-1128.4.49/libraries

Created: 31-Oct-2017 16:11:03

Modified: 23-Mar-2018 11:22:44

Created By: aaf:t.schmidt@student.unimelb.edu.au [Thomas Ludovic Schmidt]

Modified By: system:nkilleen [Neil Killeen]

Metadata:

mf-revision-history

```

user
  id 421
  domain system
  name nkilleen
type modify

```

proj-hoffmann_data-1128.4.49:libraries_metadata

```

radseq_library_name P4_CA5YJANXX
radseq_library_alias P4
date_current_update 31-Oct-2017 00:00:00
person_current_update Tom Schmidt
stage_at Sequencing completed
person_molecular_work Tom Schmidt
person_organise_sequencing Tom Schmidt
sequencing_facility AGRF
sequencing_quote_number CAGRF13590
flowcell_id CA5YJANXX
date_sequencing_completion 14-Oct-2016 00:00:00
person_bioinformatics Tom Schmidt
number_individuals 54
scientific_name_species1 Aedes albopictus
common_name_species1 Asian Tiger Mosquito
library_description Individuals in this library were collected as immatures then raised in a lab to adulthood, mated, and sacrificed. Tom Schmidt analysed this library. Library contains Aedes albopictus from Guangzhou, China. Library was created for rapid-run 2 x 100 bp Illumina sequencing. Data were used to assess fine-scale population structure and relatedness. This library is one of three used in this project: P4_CA5YJANXX, P5_CA5YJANXX, and P6_CA5YJANXX
mol_type genomic DNA
raw_sequence_filename P4_CA5YJANXX_NoIndex_L002_R1.fastq.gz|P4_CA5YJANXX_NoIndex_L002_R2.fastq.gz
raw_sequence_storage1 Stored on the mosquito server 45.113.232.220. Files located at: /home/tom/albo_q/data/china_albo/p4
raw_sequence_storage2 Stored on the Hoffmann Lab hard drive, G22.

```

proj-hoffmann_data-1128.4.49:libraries_storage

```

library_freezer Library not retained

```

Relationship	Name	ID	Type	Size
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10. The **libraries** namespace contains all relevant information about each library stored in **data**. We can take a look at library “P4_CA5YJANXX”, which contains the individual “chn_alb_A001”, by clicking on it. The metadata stored here shows where everything is stored, what chemistry was used during sequencing, and, if possible, how to follow up with the sequencing facility to retrieve a lost library.