



FaceBase

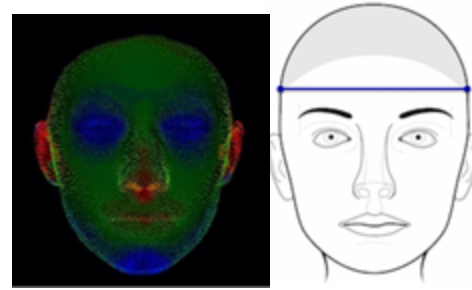
A Resource for Dental
and Craniofacial Researchers

Contributing to FaceBase

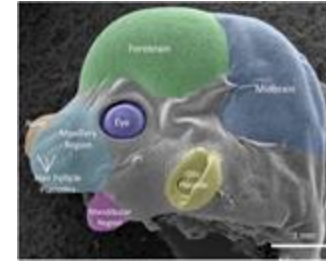
FaceBase 2025 Bootcamp for
Users and Contributors

A Great Home for Your Data...

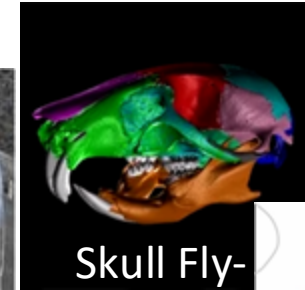
- Broad collection of data
 - Human and Animal model data
 - Imaging, omics, and other experiment types
- Commonality: Craniofacial + Dental + Development + Dysmorphology + Related
- Your data are “first class” research products
- Satisfy data sharing requirements (NIDCR recommended)



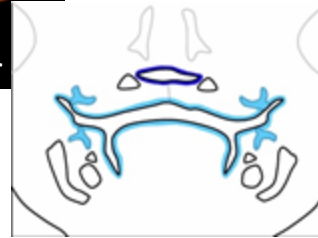
Facial Scans and
Facial Norms



Mouse Anatomy



Skull Fly-
through



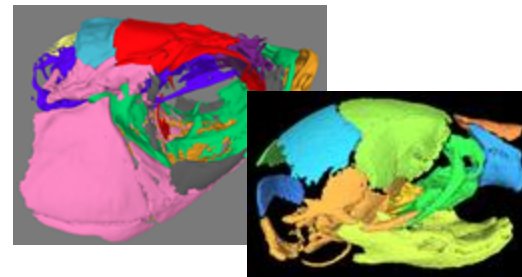
Cell Lineage



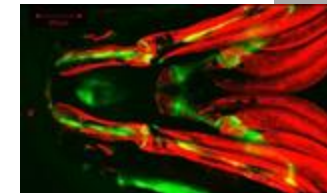
Sequencing Data and
Genome Browser



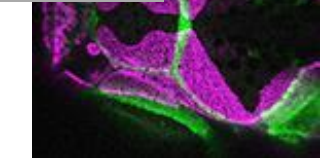
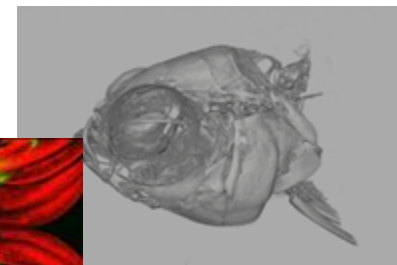
Imaging Data



Surface Models



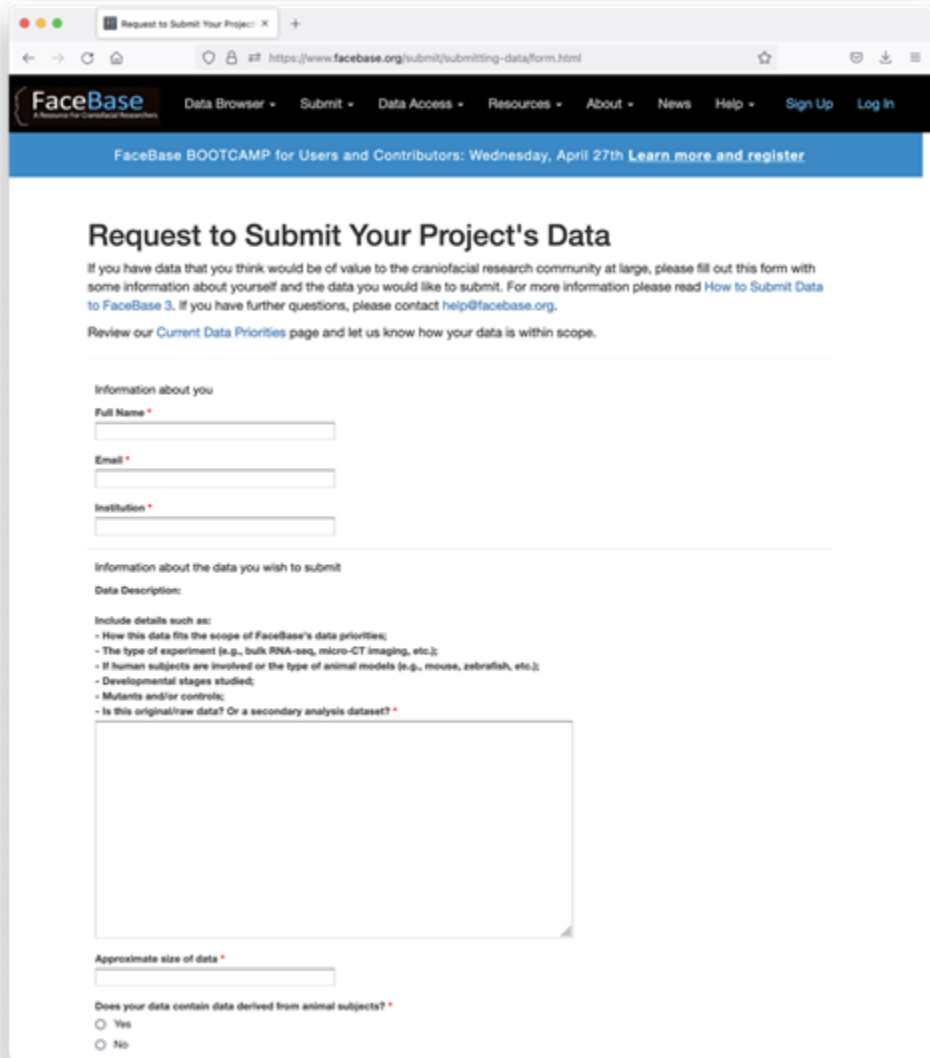
Fish Face



Microscopy Data

See Website for Data Priorities

Initiate a Data Submission to FaceBase



The screenshot shows a web browser window with the URL <https://www.facebase.org/submit/submitting-data/form.html>. The page title is "Request to Submit Your Project's Data". Below the title, there is a paragraph of introductory text and a link to "How to Submit Data to FaceBase 3". The form is divided into two main sections: "Information about you" and "Information about the data you wish to submit". The "Information about you" section includes fields for "Full Name", "Email", and "Institution". The "Information about the data you wish to submit" section includes a "Data Description" field with a list of bullet points: "Include details such as:", "How this data fits the scope of FaceBase's data priorities;", "The type of experiment (e.g., bulk RNA-seq, micro-CT imaging, etc.);", "If human subjects are involved or the type of animal models (e.g., mouse, zebrafish, etc.);", "Developmental stages studied;", "Mutants and/or controls;", and "Is this original/raw data? Or a secondary analysis dataset?". Below the "Data Description" field is a large text area for the description. At the bottom of the form, there is a field for "Approximate size of data" and a question "Does your data contain data derived from animal subjects?" with radio button options for "Yes" and "No".

Overview

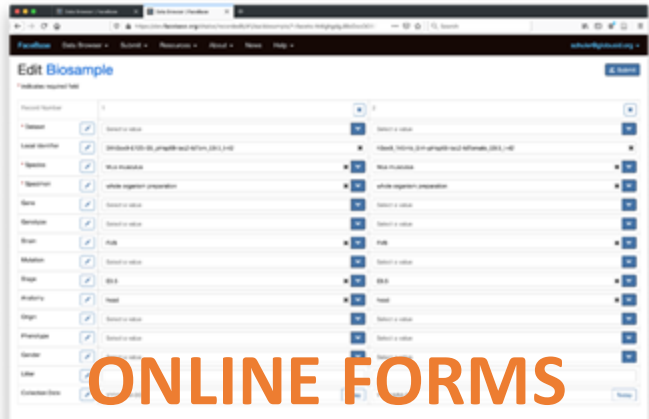
<https://www.facebase.org/contributing/>

Form

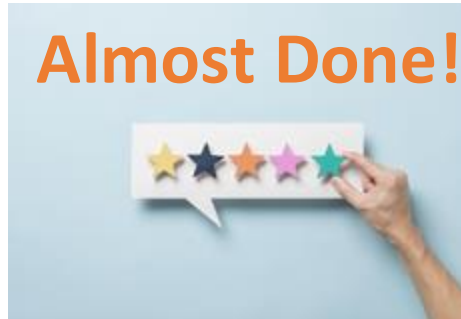
<https://www.facebase.org/contributing/submitting/>

1. Brief Overview of Your Data
2. Review by FB Steering Committee
3. Response in approx. 2 weeks

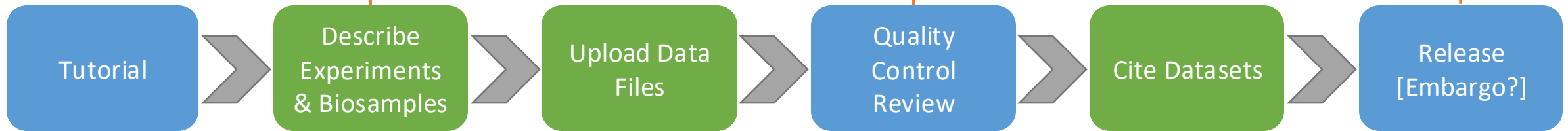
Self-Serve Data Submission w/ Support



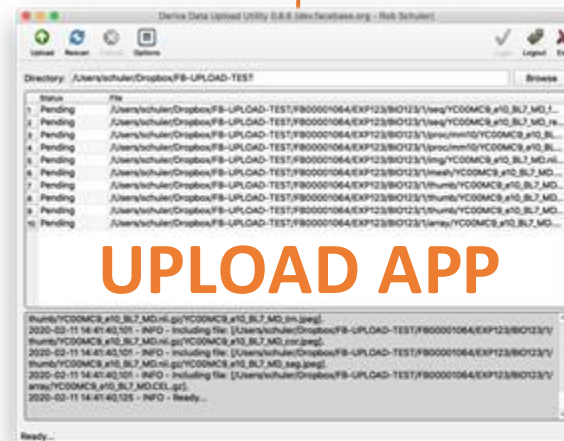
ONLINE FORMS



Optional Embargo to Sync w/ Publication?



ZOOM.us

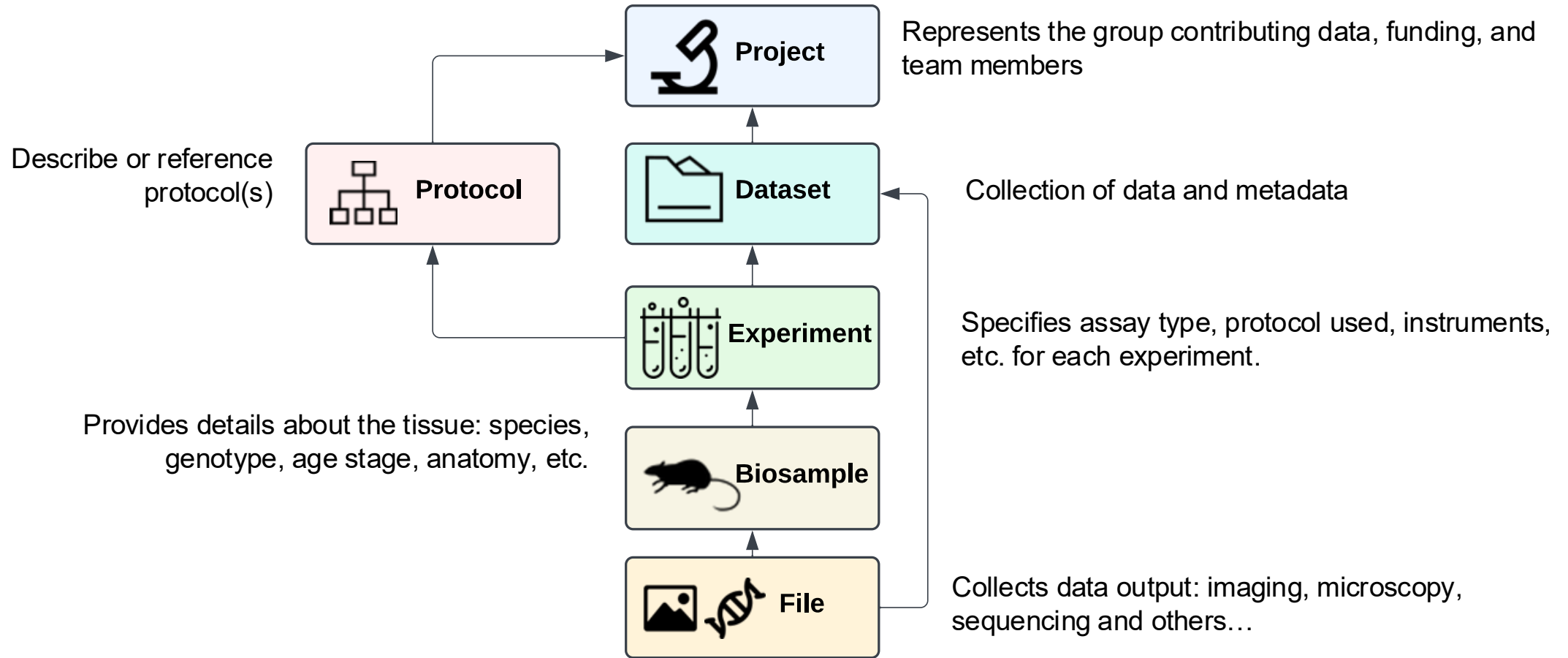


UPLOAD APP



Preparing Manuscripts?
Include Data Citation

Ready for Reuse, Reproducibility, (Re)analysis



Based on “FAIR data” principles, for increased scientific utility

Review of Dataset Display

Digital Object Identifiers

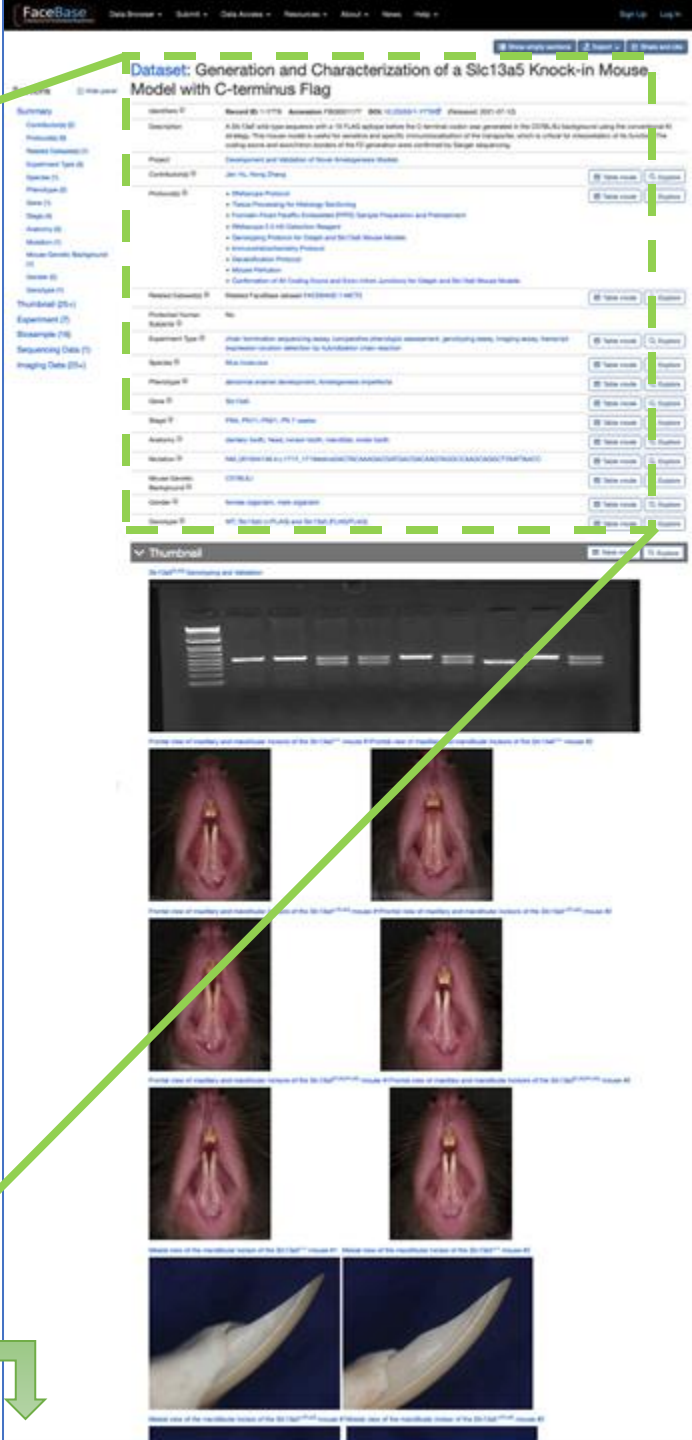
Attribution

Cross-Reference
(GEO, dbGaP, FB,
other)

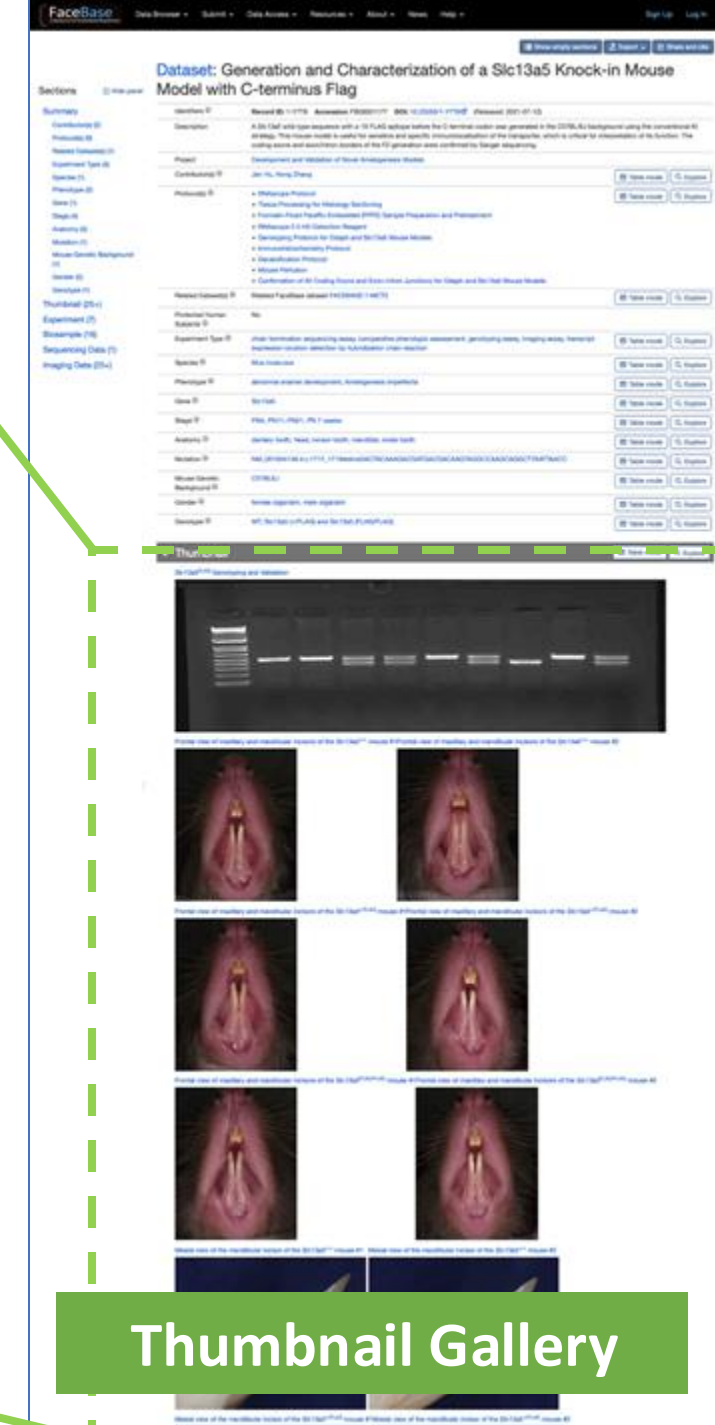
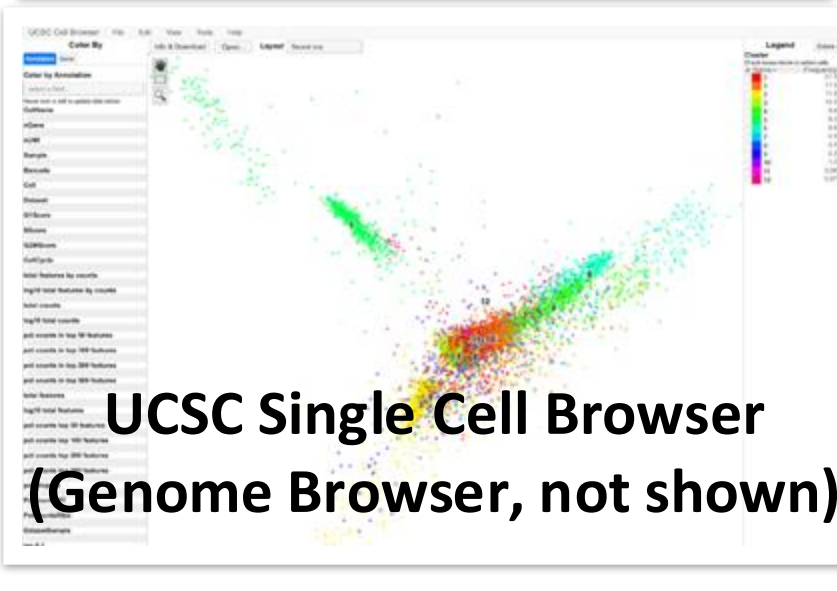
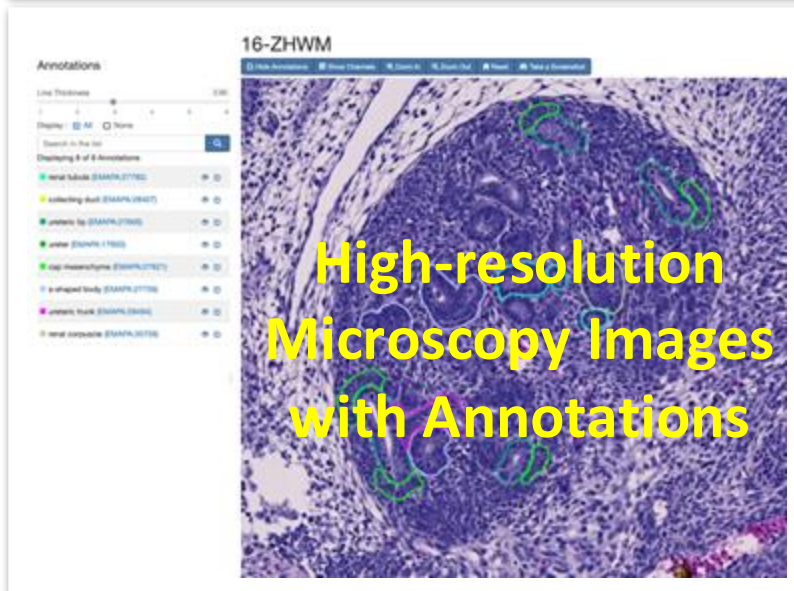
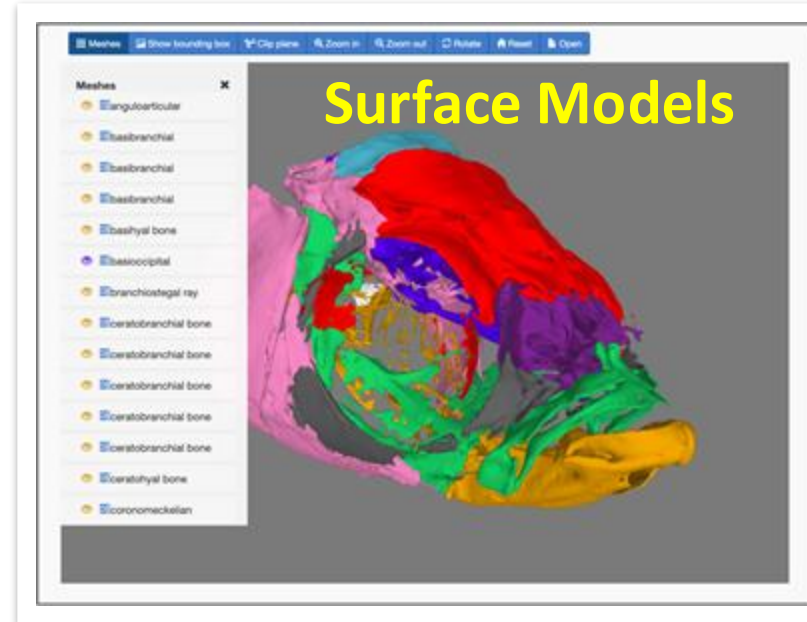
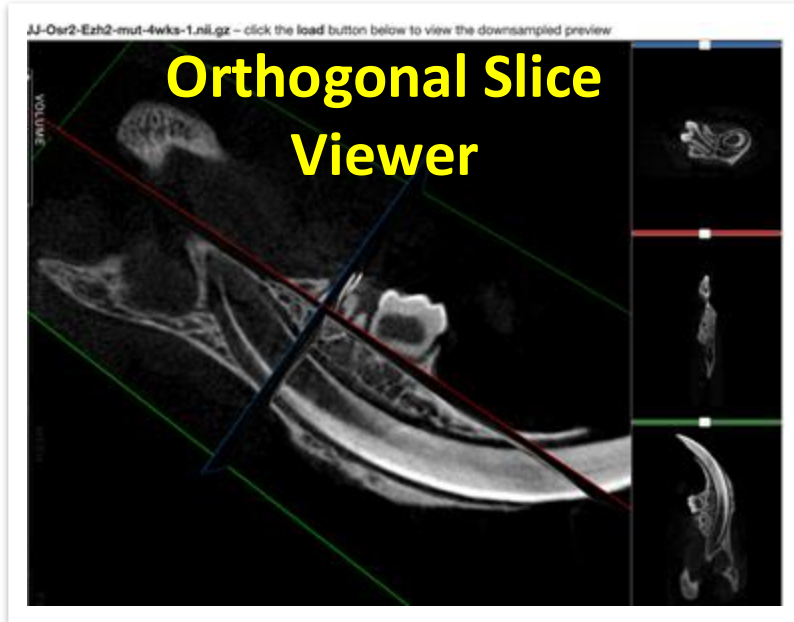
Standardized
Terminology

Dataset: Generation and Characterization of a Slc13a5 Knock-in Mouse Model with C-terminus Flag	
Identifiers ①	Record ID: 1-Y7T8 Accession: FB00001177 DOI: 10.25550/1-Y7T8 (Released: 2021-07-12)
Description	A Slc13a5 wild-type sequence with a 1X FLAG epitope before the C-terminal codon was generated in the C57BL/6J background using the conventional KI strategy. This mouse model is useful for sensitive and specific immunolocalization of the transporter, which is critical for interpretation of its function. The coding exons and exon/intron borders of the F2 generation were confirmed by Sanger sequencing.
Project	Development and Validation of Novel Amelogenesis Models
Contributor(s) ①	Jan Hu, Hong Zhang
Protocol(s) ①	• RNAscope Protocol • Tissue Processing for Histology Sectioning • Formalin-Fixed Paraffin-Embedded (FFPE) Sample Preparation and Pretreatment • RNAscope 2.5 HD Detection Reagent • Genotyping Protocol for Odaph and Slc13a5 Mouse Models • Immunohistochemistry Protocol • Decalcification Protocol • Mouse Perfusion • Confirmation of All Coding Exons and Exon-intron Junctions for Odaph and Slc13a5 Mouse Models
Related Dataset(s) ①	Related FaceBase dataset FACEBASE:1-MCT2
Protected Human Subjects ①	No
Experiment Type ①	chain termination sequencing assay, comparative phenotypic assessment, genotyping assay, imaging assay, transcript expression location detection by hybridization chain reaction
Species ①	Mus musculus
Phenotype ①	abnormal enamel development, Amelogenesis imperfecta

Additional Details



Consider Exploiting Visualization Capabilities



Citing Datasets In Publications

Citable Data IDs:

- Globally-unique
- Persistent
- Actionable
- Versioned
- Publishable

✓ Plan when manuscript is *in preparation*

✓ Optionally, *embargo* dataset to be released in sync with publication

Share and Cite

Share Link

Versioned Link (8 hours ago)

<https://www.facebase.org/id/1-Y7T8@2WJ-VMEZ-ZRNJ>

Live Link

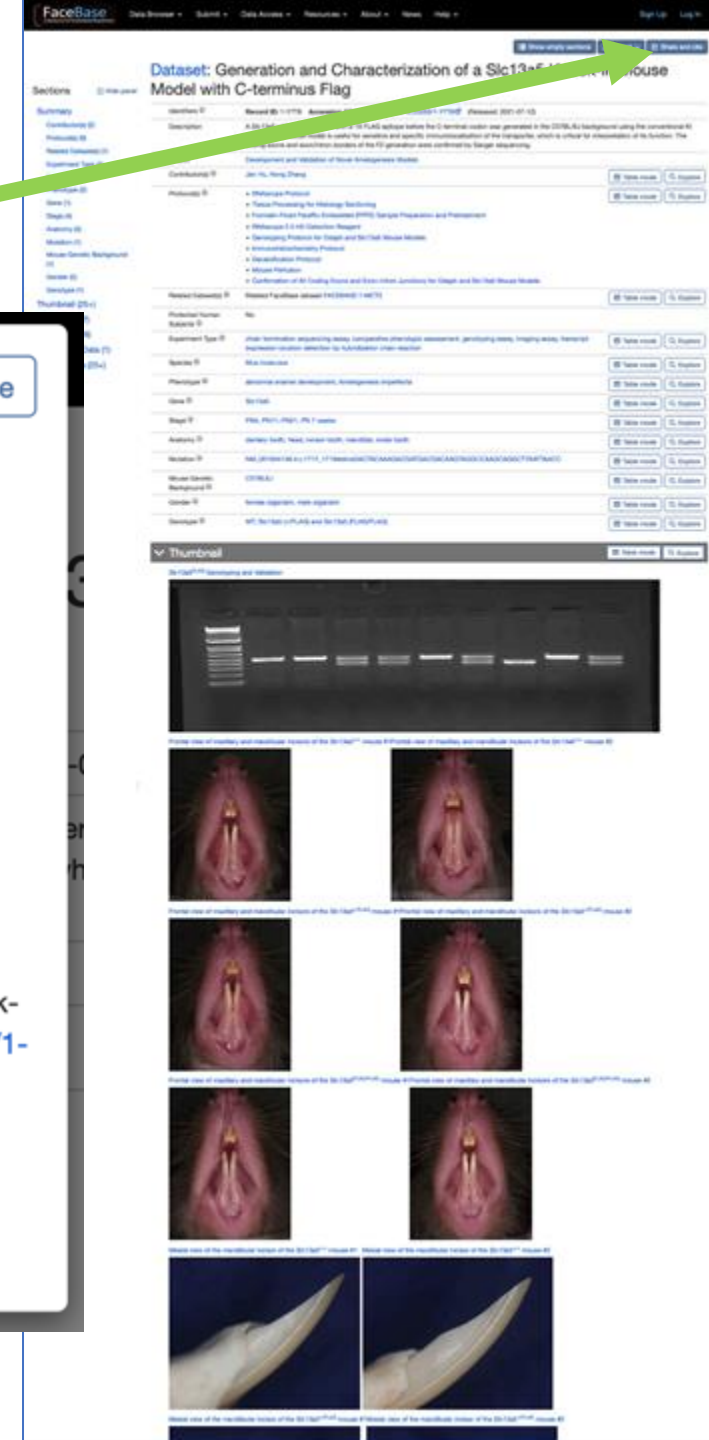
<https://www.facebase.org/id/1-Y7T8>

Data Citation

Jan Ching Chun Hu, Hong Zhang. Generation and Characterization of a Slc13a5 Knock-in Mouse Model with C-terminus Flag. *FaceBase Consortium* <https://doi.org/10.25550/1-Y7T8> (2021).

Download Data Citation:

[BibTex](#)



Tips for Successful Data Contributions

1. **Review the metadata/data guidelines *early*** in the process of preparing manuscripts;
2. **Schedule 1-on-1 with us *before*** you begin creating your first dataset;
3. **Submit (part of) a dataset**, let us review and give you feedback, then proceed with further data submissions;
4. Remember: ***We are here to help!*** 😊



Point of Contact: **FaceBase Helpline** (help@facebase.org)

