

Resource Summary Report

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University of California at Berkeley QB3 Genomics Core Facility

RRID:SCR_022170

Type: Tool

Proper Citation

University of California at Berkeley QB3 Genomics Core Facility (RRID:SCR_022170)

Resource Information

URL: <https://qb3.berkeley.edu/facility/genomics/>

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Description: Partnership between Vincent J. Coates Genomics Sequencing Laboratory, Functional Genomics Laboratory, and Computational Genomics Resource Laboratory. Offers consultation on experimental design and data analysis, full suite of technical services related to high throughput sequencing and genomics experiments, and access to high performance computational infrastructure.

Synonyms: University of California at Berkeley UCB-QB3 Genomics, UCB-QB3 Genomics

Resource Type: access service resource, core facility, service resource

Keywords: USEEdit, ABRF, genomics research, high throughput sequencing and genomics experiments, high performance computational infrastructure access

Funding: NIH Office of the Director OD018174

Resource Name: University of California at Berkeley QB3 Genomics Core Facility

Resource ID: SCR_022170

Alternate IDs: ABRF_1346

Alternate URLs: <https://coremarketplace.org/?FacilityID=1346>

Record Creation Time: 20220421T050139+0000

Record Last Update: 20260728T043634+0000

Ratings and Alerts

No rating or validation information has been found for University of California at Berkeley QB3 Genomics Core Facility.

No alerts have been found for University of California at Berkeley QB3 Genomics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 82 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Qin Y, et al. (2026) Loss of TMEM55B modulates lipid metabolism through dysregulated lipophagy and mitochondrial function. *Cell death & disease*, 17(1), 26.

Morgens DW, et al. (2025) Enhancers and genome conformation provide complex transcriptional control of a herpesviral gene. *Molecular systems biology*, 21(1), 30.

Kim D, et al. (2025) Identification of intestinal mediators of *Caenorhabditis elegans* DBL-1/BMP immune signaling shaping gut microbiome composition. *mBio*, 16(3), e0370324.

Cypranowska CA, et al. (2025) Deficiency in transmitter release triggers homeostatic transcriptional changes that increase presynaptic excitability. *Proceedings of the National Academy of Sciences of the United States of America*, 122(31), e2322714122.

Kumar M, et al. (2025) Lipoxin B4 Mitigates TRPV4-Activated Müller Cell Gliosis During Ocular Hypertension. *bioRxiv : the preprint server for biology*.

Gilley R, et al. (2025) RAF inhibitors activate the integrated stress response by direct activation of GCN2. *Nature communications*, 16(1), 10033.

Nikolaeva AS, et al. (2025) Occurrence of aneuploidy across the range of coast redwood (*Sequoia sempervirens*). *G3 (Bethesda, Md.)*, 15(5).

Ferguson L, et al. (2025) Improved precision, sensitivity, and adaptability of ordered two-template relay cDNA library preparation for RNA sequencing. *RNA (New York, N.Y.)*, 31(2), 224.

Butrus S, et al. (2025) Molecular states underlying neuronal cell type development and plasticity in the postnatal whisker cortex. *PLoS biology*, 23(5), e3003176.

Esdaile E, et al. (2025) A de novo FBN1 variant likely causes congenital bilateral ectopia lentis in a crossbred horse. *Scientific reports*, 15(1), 37238.

Sakharova H, et al. (2025) Protein language models reveal evolutionary constraints on synonymous codon choice. *bioRxiv : the preprint server for biology*.

Jiang M, et al. (2025) Developing and Benchmarking One Health Genomic Surveillance Tools for Influenza A Virus in Wastewater. *bioRxiv : the preprint server for biology*.

Chesner LN, et al. (2025) Androgen Receptor Inhibition Increases MHC Class I Expression and Improves Immune Response in Prostate Cancer. *Cancer discovery*, 15(3), 481.

Lari A, et al. (2025) RNA polymerase III transcription-associated polyadenylation promotes the accumulation of noncoding retrotransposons during infection. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2507186122.

Leon F, et al. (2025) Cell differentiation controls iron assimilation in the choanoflagellate *Salpingoeca rosetta*. *mSphere*, 10(3), e0091724.

Liu T, et al. (2025) Exploitable mechanisms of antibody and CAR mediated macrophage cytotoxicity. *Nature communications*, 16(1), 5616.

Radosevich M, et al. (2025) Characterizing the Soil Microbial Community Associated with the Fungal Pathogen *Coccidioides immitis*. *Journal of fungi (Basel, Switzerland)*, 11(4).

Dho Y, et al. (2025) Discovery of homoharringtonine pathway enzymes reveals a whole plant model for coordinated biosynthesis. *bioRxiv : the preprint server for biology*.

Lui LM, et al. (2025) Sediment and groundwater metagenomes from subsurface microbial communities from the Oak Ridge National Laboratory Oak Ridge Reservation, Oak Ridge, Tennessee, USA. *Microbiology resource announcements*, 14(8), e0001425.

Hilzinger JM, et al. (2025) Acetaminophen production in the edible, filamentous cyanobacterium *Arthrospira platensis*. *Biotechnology and bioengineering*, 122(1), 44.