

Resource Summary Report

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Stowers Institute for Medical Research Genome Engineering Core Facility

RRID:SCR_021729

Type: Tool

Proper Citation

Stowers Institute for Medical Research Genome Engineering Core Facility
(RRID:SCR_021729)

Resource Information

URL: <https://www.stowers.org/technology/genome-engineering>

Proper Citation: Stowers Institute for Medical Research Genome Engineering Core Facility (RRID:SCR_021729)

Description: Core supports genome engineering using CRISPR technology. Provide services to generate knockouts, insertions, deletions, and point mutations in various organisms. Services for genome engineering include guideRNA design, homology-directed repair template design, production of modified mammalian cell lines, preparation of reagents for delivery to embryos, and mutation detection by targeted deep sequencing. Pooled screening is also coordinated and supported by our team. We acquire, prepare, and validate pooled libraries as an Institute resource. In coordination of our pooled screen workflow, we work with other teams to track the progress of these projects. Once resulting cell populations from the screen are delivered, our team does genomic DNA purification, target amplification, and preparation for NGS. We now offer a TAIL-PCR service to identify the location of random integration events. We have successfully identified locations in killifish, fly, zebrafish, and sea anemone. Team is responsible for maintaining and distributing clone and vector collections for the Institute.

Synonyms: SIMR Genome Engineering, Stowers Institute for Medical Research SIMR Genome Engineering

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

Keywords: USEEdit, ABRF, genome engineering, CRISPR technology, pooled libraries, genomic DNA purification, target amplification, and preparation for NGS

Availability: restricted

Resource Name: Stowers Institute for Medical Research Genome Engineering Core Facility

Resource ID: SCR_021729

Alternate IDs: ABRF_1216

Alternate URLs: <https://coremarketplace.org/?FacilityID=1216>

Record Creation Time: 20220129T080357+0000

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Ratings and Alerts

No rating or validation information has been found for Stowers Institute for Medical Research Genome Engineering Core Facility.

No alerts have been found for Stowers Institute for Medical Research Genome Engineering Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.