Resource Summary Report

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Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core

RRID:SCR_015339
Type: Tool

Proper Citation

Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core (RRID:SCR_015339)

Resource Information

URL: http://cihd.cores.utah.edu/mgd/

Proper Citation: Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core (RRID:SCR_015339)

Description: Core facility which provides custom TALEN and Crispr-Cas9 DNA nucleases to induce targeted mutations in a genomic region of interest. It also provides hardware, reagents, and expertise for optimizing and performing HRMA for genes of interest.

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

Keywords: crispr, crispr cas9, induced mutation

Related Condition: iron disorder, heme disorder

Funding: NIDDK U54DK110858

Availability: Available to the research community

Resource Name: Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core

Resource ID: SCR_015339

Record Creation Time: 20220129T080325+0000

Record Last Update: 20250428T053919+0000

Ratings and Alerts

No rating or validation information has been found for Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core .

No alerts have been found for Center for Iron and Heme Disorders at the University of Utah Mutation Generation and Detection Core .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Kohlbrand AJ, et al. (2024) Structural Studies of Inhibitors with Clinically Relevant Influenza Endonuclease Variants. Biochemistry, 63(3), 264.

Meshrkey F, et al. (2023) Induced pluripotent stem cells derived from patients carrying mitochondrial mutations exhibit altered bioenergetics and aberrant differentiation potential. Stem cell research & therapy, 14(1), 320.

Jin X, et al. (2021) A novel variant in PAX6 as the cause of aniridia in a Chinese family. BMC ophthalmology, 21(1), 225.

Nagy Á, et al. (2019) Elevated HOX gene expression in acute myeloid leukemia is associated with NPM1 mutations and poor survival. Journal of advanced research, 20, 105.

Desban L, et al. (2019) Regulation of the apical extension morphogenesis tunes the mechanosensory response of microvilliated neurons. PLoS biology, 17(4), e3000235.

Zelinka CP, et al. (2018) Targeted disruption of the endogenous zebrafish rhodopsin locus as models of rapid rod photoreceptor degeneration. Molecular vision, 24, 587.

Bisgrove BW, et al. (2017) Maternal Gdf3 is an obligatory cofactor in Nodal signaling for embryonic axis formation in zebrafish. eLife, 6.

Pilonetto DV, et al. (2017) A strategy for molecular diagnostics of Fanconi anemia in Brazilian patients. Molecular genetics & genomic medicine, 5(4), 360.

Sedykh I, et al. (2017) Zebrafish zic2 controls formation of periocular neural crest and choroid fissure morphogenesis. Developmental biology, 429(1), 92.

Murakami R, et al. (2017) Exome Sequencing Landscape Analysis in Ovarian Clear Cell

Carcinoma Shed Light on Key Chromosomal Regions and Mutation Gene Networks. The American journal of pathology, 187(10), 2246.

Jin X, et al. (2016) Novel compound heterozygous mutation in the CNGA1 gene underlie autosomal recessive retinitis pigmentosa in a Chinese family. Bioscience reports, 36(1), e00289.

Sotolongo-Lopez M, et al. (2016) Genetic Dissection of Dual Roles for the Transcription Factor six7 in Photoreceptor Development and Patterning in Zebrafish. PLoS genetics, 12(4), e1005968.

Rahn JJ, et al. (2015) Zebrafish lacking functional DNA polymerase gamma survive to juvenile stage, despite rapid and sustained mitochondrial DNA depletion, altered energetics and growth. Nucleic acids research, 43(21), 10338.

Jin X, et al. (2014) Detecting genetic variations in hereditary retinal dystrophies with next-generation sequencing technology. Molecular vision, 20, 553.

Tan DS, et al. (2014) Tongue carcinoma infrequently harbor common actionable genetic alterations. BMC cancer, 14, 679.

Tan GS, et al. (2013) Mutually dependent degradation of Ama1p and Cdc20p terminates APC/C ubiquitin ligase activity at the completion of meiotic development in yeast. Cell division, 8(1), 9.

Bjorum SM, et al. (2013) The Drosophila BTB domain protein Jim Lovell has roles in multiple larval and adult behaviors. PloS one, 8(4), e61270.

Hu R, et al. (2013) Targeting human microRNA genes using engineered Tal-effector nucleases (TALENs). PloS one, 8(5), e63074.

Liu T, et al. (2012) A novel missense SNRNP200 mutation associated with autosomal dominant retinitis pigmentosa in a Chinese family. PloS one, 7(9), e45464.

Kimata T, et al. (2012) Synaptic polarity depends on phosphatidylinositol signaling regulated by myo-inositol monophosphatase in Caenorhabditis elegans. Genetics, 191(2), 509.