Resource Summary Report

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ZMP

RRID:SCR_006161
Type: Tool

Proper Citation

ZMP (RRID:SCR_006161)

Resource Information

URL: http://www.sanger.ac.uk/Projects/D_rerio/zmp/

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Description: Create knockout alleles in protein coding genes in the zebrafish genome, using a combination of whole exome enrichment and Illumina next generation sequencing, with the aim to cover them all. Each allele created is analyzed for morphological differences and published on the ZMP site. Transcript counting is performed on alleles with a morphological phenotype. Alleles generated are archived and can be requested from this site through the Zebrafish International Resource Center (ZIRC). You may register to receive updates on genes of interest, or browse a complete list, or search by Ensembl ID, gene name or human and mouse orthologue.

Abbreviations: ZMP

Synonyms: Zebrafish Mutation Project (ZMP), Zebrafish Mutation Project, ZMP - Zebrafish Mutation Project

Resource Type: biomaterial supply resource, material resource

Keywords: phenotype, genome, gene, disease model, allele, orthologue, mutant, chromosome, human orthologue, mouse orthologue, mutation, knockout, human, mouse, transcript

Funding: Wellcome Trust Sanger Institute; Hinxton; United Kingdom ;
NIH ;
ZF-HEALTH

Availability: Free and open

Resource Name: ZMP

Resource ID: SCR_006161

Alternate IDs: nlx_151662

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260912T200235+0000

Ratings and Alerts

No rating or validation information has been found for ZMP.

No alerts have been found for ZMP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Wircer E, et al. (2017) Homeodomain protein Otp affects developmental neuropeptide switching in oxytocin neurons associated with a long-term effect on social behavior. eLife, 6.

Hur M, et al. (2017) MicroCT-based phenomics in the zebrafish skeleton reveals virtues of deep phenotyping in a distributed organ system. eLife, 6.

Piasecka A, et al. (2015) Splice-acceptor site mutation in p53 gene of hu888 zebrafish line. Journal of applied genetics, 56(1), 115.

Arciero E, et al. (2015) Genes Regulated by Vitamin D in Bone Cells Are Positively Selected in East Asians. PloS one, 10(12), e0146072.

Davis EE, et al. (2014) Interpreting human genetic variation with in vivo zebrafish assays. Biochimica et biophysica acta, 1842(10), 1960.

van Leeuwen LM, et al. (2014) Modeling tuberculous meningitis in zebrafish using Mycobacterium marinum. Disease models & mechanisms, 7(9), 1111.

Lush ME, et al. (2014) Sensory hair cell regeneration in the zebrafish lateral line. Developmental dynamics : an official publication of the American Association of Anatomists, 243(10), 1187.

Singh M, et al. (2014) The Zebrafish GenomeWiki: a crowdsourcing approach to connect the long tail for zebrafish gene annotation. Database : the journal of biological databases and curation, 2014, bau011.

Eimon PM, et al. (2014) Studying apoptosis in the Zebrafish. Methods in enzymology, 544, 395.

Chapman AL, et al. (2013) Axonal Transport Defects in a Mitofusin 2 Loss of Function Model of Charcot-Marie-Tooth Disease in Zebrafish. PloS one, 8(6), e67276.

Seth A, et al. (2013) The emerging use of zebrafish to model metabolic disease. Disease models & mechanisms, 6(5), 1080.

Kettleborough RN, et al. (2013) A systematic genome-wide analysis of zebrafish protein-coding gene function. Nature, 496(7446), 494.

Smedley D, et al. (2013) PhenoDigm: analyzing curated annotations to associate animal models with human diseases. Database : the journal of biological databases and curation, 2013, bat025.

K??hler S, et al. (2013) Construction and accessibility of a cross-species phenotype ontology along with gene annotations for biomedical research. F1000Research, 2, 30.

Friedrich RW, et al. (2013) Analyzing the structure and function of neuronal circuits in zebrafish. Frontiers in neural circuits, 7, 71.

Adams D, et al. (2013) Bloomsbury report on mouse embryo phenotyping: recommendations from the IMPC workshop on embryonic lethal screening. Disease models & mechanisms, 6(3), 571.

McCarthy N, et al. (2013) Pdgfra protects against ethanol-induced craniofacial defects in a zebrafish model of FASD. Development (Cambridge, England), 140(15), 3254.

Roberts AC, et al. (2013) Learning and memory in zebrafish larvae. Frontiers in neural circuits, 7, 126.

Forrester AM, et al. (2012) Myelopoiesis and myeloid leukaemogenesis in the zebrafish. Advances in hematology, 2012, 358518.

Quaife NM, et al. (2012) Zebrafish: an emerging model of vascular development and remodelling. Current opinion in pharmacology, 12(5), 608.