# Centre for Modeling Human Disease Gene Trap Resource

RRID:SCR_002785
Type: Tool

## Proper Citation

Centre for Modeling Human Disease Gene Trap Resource (RRID:SCR_002785)

## Resource Information

**URL:** http://www.cmhd.ca/genetrap/

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**Description:** Generate gene trap insertions using mutagenic polyA trap vectors, followed by sequence tagging to develop a library of mutagenized ES cells freely available to the scientific community. This library is searchable by sequence or key word searches including gene name or symbol, chromosome location, or Gene Ontology (GO) terms. In addition,they offer a custom email alert service in which researchers are able to submit search criteria. Researchers will receive automated e-mail notification of matching gene trap clones as they are entered into the library and database. The resource features the use of complementary second and third generation polyA trap vectors developed by the Stanford lab and the laboratory of Professor Yasumasa Ishida of the Nara Institute of Science and Technology (NAIST) in Japan to mutagenize murine embryonic stem (ES) cells. CMHD gene trap clones are distributed by the Canadian Mouse Mutant Repository(CMMR). Information about ordering, services, and pricing can be found on their web site (http://www.cmmr.ca/services/index.html).

**Abbreviations:** CMHD Gene Trap Resource

**Synonyms:** Centre for Modeling Human Disease (CMHD) Gene Trap Resource

**Resource Type:** production service resource, material service resource, service resource, biomaterial manufacture

**Defining Citation:** PMID:14681480

**Keywords:** embryonic stem cell, polya trap vector, gene trap, insertion, mutagenic polya trap vector, sequence, expression, mutagenesis, gene, mutation, expression profile, phenotype, database, gene expression, vector insertion, expressed sequence tag, blast, clone

**Availability:** Freely available to the scientific community

**Resource Name:** Centre for Modeling Human Disease Gene Trap Resource

**Resource ID:** SCR_002785

**Alternate IDs:** nif-0000-02891

**Old URLs:** http://www.cmhd.ca/sub/genetrap.asp

**Record Creation Time:** 20220129T080215+0000

**Record Last Update:** 20250423T060052+0000

## Ratings and Alerts

No rating or validation information has been found for Centre for Modeling Human Disease Gene Trap Resource.

No alerts have been found for Centre for Modeling Human Disease Gene Trap Resource.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Brickman JM, et al. (2010) A wider context for gene trap mutagenesis. Methods in enzymology, 477, 271.

Nord AS, et al. (2007) Modeling insertional mutagenesis using gene length and expression in murine embryonic stem cells. PloS one, 2(7), e617.

Rossant J, et al. (2003) The mouse genome sequence--the end of the tail, or just the

beginning? Genome biology, 4(4), 109.