

Resource Summary Report

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German Gene Trap Consortium

RRID:SCR_008532

Type: Tool

Proper Citation

German Gene Trap Consortium (RRID:SCR_008532)

Resource Information

URL: <http://tikus.gsf.de>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on October 23, 2014. Consortium that generated a reference library of gene trap sequence tags (GTST) from insertional mutations generated in mouse embryonic stem (ES) cells. The gene trap database represents a repository of sequences produced in a large scale gene trap screen in mouse ES cells using various gene trapping vectors which are delivered either by electroporation or retroviral infections. A type of retroviral gene trap vector has been developed that can induce conditional mutations in most genes expressed in mouse embryonic stem (ES) cells. The vectors rely on directional site-specific recombination systems that can repair and re-induce gene trap mutations when activated in succession. After the gene traps are inserted into the mouse genome, genetic mutations can be produced at a particular time and place in somatic cells. In addition to their conditional features, the vectors create multipurpose alleles amenable to a wide range of post-insertional modifications. Here they have used these directional recombination vectors to assemble the largest library of ES cell lines with conditional mutations in single genes yet assembled, presently totaling 1,000 unique genes. The trapped ES cell lines, which can be ordered from the German Gene Trap Consortium, are freely available to the scientific community.

Abbreviations: GGTC

Synonyms: German Gene Trap Consortium

Resource Type: biomaterial supply resource, cell repository, material resource

Defining Citation: [PMID:15870191](#)

Keywords: phenotyping, molecular neuroanatomy, gene trap sequence tag, embryonic stem cell line, mutation, gene

Funding: German Federal Ministry of Research and Education ;
National Genome Research Network

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: German Gene Trap Consortium

Resource ID: SCR_008532

Alternate IDs: nif-0000-30613

Old URLs: <http://genetrap.helmholtz-muenchen.de/>

Record Creation Time: 20220129T080247+0000

Record Last Update: 20260829T182849+0000

Ratings and Alerts

No rating or validation information has been found for German Gene Trap Consortium.

No alerts have been found for German Gene Trap Consortium.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.