

Resource Summary Report

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Penn Gene Targeting Service

RRID:SCR_010013

Type: Tool

Proper Citation

Penn Gene Targeting Service (RRID:SCR_010013)

Resource Information

URL: <http://eagle-i.itmat.upenn.edu/i/0000013b-7127-463d-83a0-df0880000000>

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Description: The Penn Gene Targeting Service (PGT) is run by the Penn Gene Targeting Core and Laboratory in collaboration with two other Penn Cores (DNA Sequencing Facility and the Transgenic and Chimeric Mouse Facility) and has the capability to generate from scratch almost any type of genetically modified mouse. This includes complete knockout of any gene, tissue-specific and/or drug-inducible knockout of any gene, targeted mutagenesis of any region of any gene (knockin), tissue-specific activation of an endogenous gene using loxP flanked stop cassettes, and tissue-specific and/or drug-inducible transgene expression from defined loci. For details regarding services and prices please consult the PGT home page of the Department of Genetics and/or directly contact Dr. Tobias Raabe. The Client lab does not need to be involved in any experimental step and only needs to breed the resulting mice. However, if desired, participation of the client lab in almost any experimental step is possible. PGT has an outstanding record of germ line transmission and so far over 32 targeted mice - more than 12 in the desirable C57BL6 background - have been made, starting either with molecular design and construction of the targeting vector or with electroporation of an existing targeting vector into ES cells.

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

Resource Name: Penn Gene Targeting Service

Resource ID: SCR_010013

Alternate IDs: nlx_156479

Record Creation Time: 20220129T080256+0000

Record Last Update: 20260728T043333+0000

Ratings and Alerts

No rating or validation information has been found for Penn Gene Targeting Service.

No alerts have been found for Penn Gene Targeting Service.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.