

3xFLAG Insertion with CRISPR/Cas9



MAPS is excited to announce it has recently completed its first CRISPR/Cas9 microinjection project and handed off founders to the Simpson lab for breeding.

For this project the donor template and sgRNA design was performed by the Simpson lab and given to MAPS for microinjection into zygotes. The overall goal was to make a mouse with 3xFLAG insertion at the Pax6 ATG (amino terminal tag).

MAPS can also take care of the design work as well as initial founder breeding to N1 for you if you prefer.

CRISPR-Cas9 is an exciting technology that is being used by researchers across the world. Contact MAPS now to discuss your project and to set up a complimentary planning meeting.

The Mouse Animal Production Service (MAPS) at CMMT provides the research community with cost effective, state of the art technologies for the generation and maintenance of genetically modified mice. Directed by Dr. Elizabeth M. Simpson, the objective of MAPS is to advance discovery through mouse-based techniques.

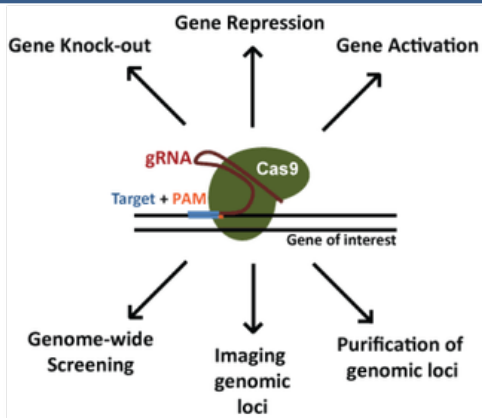
SERVICES

- Age specific mice or embryos
- Complimentary project planning meeting
- Cryopreservation of sperm or embryos
- Custom Breeding
- Derivation of new ESC lines
- Embryonic stem cell culture
- CRISPR gRNA targeted mutations
- ESC microinjection
- ESC electroporation
- Germline competent ESCs
- ICR foster mothers
- *In-vitro* fertilization
- Mouse embryonic fibroblasts
- Pseudo pregnant recipients
- Surgical services
- Timed pregnancies
- Vasectomized males

CONTACT US

For more information on our services or to place an order, please contact us:
MAPS team
mapsinfo@cmmt.ubc.ca
<http://cmmt.ubc.ca/facilities-services/mouse-animal-production/>

For more information on other CMMT Core Facilities and Services please contact:
Michael Hockertz
Director of Core Facilities, CMMT
604 875 3816 | hockertz@cmmt.ubc.ca
www.cmmt.ubc.ca/facilities



<https://www.addgene.org/crispr/guide/>