



New CRISPRed Mouse for Ph.D. Student Zeinab Mohanna

MAPS was contracted to make three new mouse strains for Dr Simpson's gene therapy work on blindness at UBC. Using CRISPR/Cas9 technology directly in zygotes, two new insertion strains and one with a single base pair edit were required. All three of these projects were carried out on C57BL/6J background, but two used special transgenic strains as embryo donors as requested by the investigator.

MAPS has now produced founders for all three strains, and two have already gone germline to the delight of graduate student Zeinab Mohanna.

The latest founder to go germline had an excellent rate of germline transmission, suggesting a low level of mosaicism.

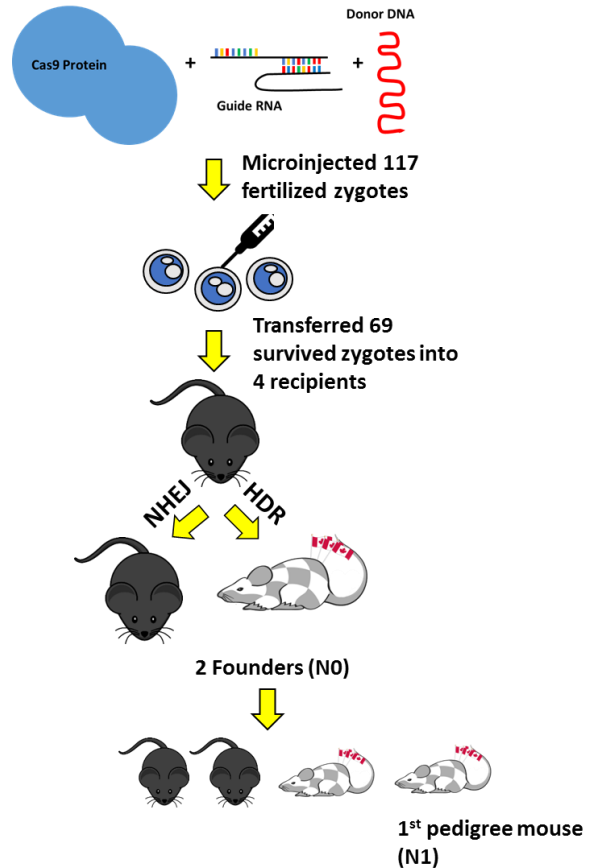


Figure: An injection overview of the creation of the Fax mouse strain; where $Pax6^+$ was tagged with 3xFLAG.

We look forward to working with you to further your research

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.

CONTACT US

For more information on our services or to place an order, please contact us:

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<http://cmmt.ubc.ca/facilities-services/mouse-animal-production/>

