An 8 bp, frame-shifting deletion in exon 1 of Zfp329 was generated using CRISPR/Cas. Cas9+ embryos were obtained by crossing C57Bl6/J-Cas9 expressing mice with C57Bl6/N mice and injected with target-specific gRNAs. Donor males were 87.5% C57Bl6/J and 12.5% C57Bl6/N at cryopreservation.

**Mouse Information**

- **Common Name**: Zfp329
- **VCMR ID**: ZQ
- **Date Cryopreserved**: 2019-05-07
- **Method of Cryopreservation**: Sperm
- **Trial IVF % Fertilization**: 97.00%

**Genetic Alteration**

**Mutation #1: Nuclease-Mediated**

- **Allele Name**: zinc finger protein 329; endonuclease mediated 1; Mark Magnuson
- **Symbol**: Zfp329\textsubscript{em1Mgn}
- **Zygosity at cryopreservation**: Heterozygote
- **PCR Genotyping Protocol**: Zfp329\_Genotyping\_Protocol.docx
- **Citations**: Not provided

**Background Strain Information**

- **Strain Type**: Inbred Strain
- **Chimera/Founder Genetic Background**: C57Bl6/J x C57Bl6/N
- **Cryopreservation Strain Background (VCMR)**: C57BL/6
| Viability and Fertility Data | Viable and fertile.  
|                            | 87.5% C57Bl6/J and 12.5% C57Bl6/N at cryopreservation.  
|                            | Backcrossed 2 generations at cryopreservation onto C57Bl6/J. |