

# CRYOPRESERVED SPERM FROM BNIP3-KO MICE, NIX KO MICE, AND NIX FLOXED ALLELE MICE

---

[Dorn, Gerald](#)

[Poranki, Deepika](#)

T-018843

**Bnip3-KO mice:** These were generated by replacing exons 2 and 3 with a neomycin resistance cassette. Recombinations were identified via southern blot.

**Publication:** [Inhibition of ischemic cardiomyocyte apoptosis through targeted ablation of Bnip3 restrains postinfarction remodeling in mice](#)

**Nix KO mice:** Exons 4 to 6a, encoding the putative BH3 domain and the essential carboxyl-terminal transmembrane domain (22) of Nix, were targeted by flanking them with loxP sites, in combination with a frt-flanked neomycin phosphotransferase module to positively select putative homologous recombinant embryonic stem cells. Correctly targeted recombinants were identified by EcoRI restriction digest and Southern blot.

**Publication:** [Unrestrained erythroblast development in Nix<sup>-/-</sup> mice reveals a mechanism for apoptotic modulation of erythropoiesis](#)