

Fancd2 (-/-) constitutive knockout

Organism: *Mus musculus*

Strain background: 129S4/SvJaeSor (MGI:3044540) co-isogenic background.

Synonyms: FANC-D2 Mice, FA-D2 Mice

Cell Lines: 5029, 5017, 5010, & 5035

Location

Oregon Health and Science University, IACUC Protocol# TR02_IP00000446

Requests for a breeding pair can be made to [Allison MacMillan](#) at OHSU. Please be aware these mice are maintained for in-house experiments only and that such requests may take several months to fill. They also will require an MTA to be signed and fees plus shipping to be paid totaling approximately \$1,000.

Maintenance Information

These mice are bred as heterozygous. Mutants are infertile.

Colonies are maintained on the following:

- [5LJ5](#) animal feed
- [Biofresh](#) 1/4 and 1/8 pelleted cellulose bedding
- Enrichment [nestlets](#) and [enviropaks](#)

Genotyping

Primer 1: TCAGCCTCACATGGAGTTTAACG

Primer 2: AATTCGCCAATGACAAGACGC

Primer 3: CAGGGATGAAAGGGTCTTACGC

WT: 300bp

KO: 550bp

References

S. Houghtaling, C. Timmers, M. Noll, M.J. Finegold, S.N. Jones, M.S. Meyn, M. Grompe, **Epithelial cancer in Fanconi anemia complementation group D2 (Fancd2) knockout mice**, *Genes Dev.* 17 (2003) 2021–2035.

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