

# Fancc (-/-) constitutive knockout

**Organism:** *Mus musculus*

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

**Synonyms:** FANC-C Mice, FA-C Mice

**Cell Lines:** 2421 & 2422

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## Location

Oregon Health and Science University, IACUC Protocol# TR02\_IP00000446

Requests for a breeding pair can be made to [Craig Dorrell](#) 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.

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## 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](#)

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## Genotyping

Primer 1: aaagacagaggagacgccac

Primer 2: aagagcaacacaaatggtaagg

Primer 3: gcatgctccagactgccttg

WT: 500bp

KO: 300bp

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## References

M.A. Whitney, G. Royle, M.J. Low, M.A. Kelly, M.K. Axthelm, C. Reifsteck, S. Olson, R.E. Braun, M.C. Heinrich, R.K. Rathbun, G.C. Bagby, M. Grompe, **Germ cell defects and hematopoietic hypersensitivity to gamma-interferon in mice with a targeted disruption of the Fanconi anemia C gene**, Blood 88 (1996) 49–58.

Meenakshi Noll, et al., **Fanconi anemia group A and C double-mutant mice: Functional evidence for a multi-protein Fanconi anemia complex**, Experimental Hematology 2002

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