



Subject:	How to name your genetically-modified animal
Source	Institutional Animal Care and Use Committee (IACUC)
Effective Date	09/2026
Replaces:	11/2014
Applies to:	Personnel involved in Research or Teaching involving animals.
Reference:	

How to name your genetically-modified animal

First:

Is this strain available from a commercial vendor, and will you be getting it from that commercial vendor? If so, it will be listed in the Strain Stock Breed list under its vendor and stock number/strain name. If you are unable to find it in the dropdown list for that vendor, please send the link of the mouse strain from the vendor's website to the IACUC Administration via Carol.Palmer@cuanschutz.edu

If you are getting the strain from an external collaborator or a commercial vendor that UC Anschutz does not order from, you need to add it as a strain from a Non-Commercial Vendor. All strains entered into the Non-Commercial database must be in the official UC Anschutz nomenclature.

Below are the rules for naming strains in the official UC Anschutz nomenclature.

Is it a spontaneous mutation, transgenic, a knockin, or a knockout?

- Spontaneous Mutation:
 - Name commonly used and published
For example: Akita
- Transgenic:
 - Promoter-Gene
For example: WAP-hPC = WAP promoter driving expression of human Protein C gene



- Knockin:
 - Gene(what is knocked in)
For example: RyR1(R2435H) = RyR1 gene with Arginine to Histidine substitution at amino acid 2435
- Knockout:
 - Is it a whole body knockout or a tissue-specific knockout?
 - Whole body:
 - Gene KO
For example: AKT1 KO = AKT1 is knocked out in every tissue without help from a gene such as Cre
 - Tissue-specific:
 - Gene Flox/Promoter-Cre(or flp)/
For example: ADPH Flox/BLG-Cre = cross of the BLG-Cre line with a floxed ADPH which deletes ADPH in the mammary gland.
- More than one genetic mutation
 - Mutation 1/Mutation 2
For example: you have a mouse that has CBS knocked out, but it is crossed with a transgenic mouse that overexpresses the human version of CBS:
CBS KO/CMV-hCBS
- These are not accepted
 - Gene-Tg
 - Gene cKO
 - Gene KI
 - Gene overexpressor
 - Gene