

How to name your genetically-modified mouse

First:

Is this strain available from a 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 Carol.Palmer@ucdenver.edu.

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:

Promoter-Cre(or flp)/Gene flox

For example: ADPH flox/BLG-Cre = cross of the BLG-Cre line with a floxed ADPH which deletes ADPH in the mammary gland.