IDG Metadata Specifications for:

Mouse

Importance 1: Required, 2: Required if available, 3: Optional

IDG Field Name	Definition	Importance
Strain nickname	As used in your lab or as published – proper nomenclature is not required; an official name will be generated later.	1
Developer/Donor	The strain's developer is the principal investigator who funded & directed the strain's development	1
ILAR code	Please provide an ILAR code for the strain developer (i.e., the investigator who directed & funded the strain's development). The code will become part of the official strain name. Don't have an ILAR code? Establish the it online (http://ilarlabcode.nas.edu/register_code_nodep.php) and enter it here. Alternatively, you may ask the MMRRC to establish the code for you.	1
Primary Reference	This paper should provide procedural details of how the strain was made.	3
Gene	Please provide MGI or NCBI/Gene unique identifier for the targeted gene	1
Allele, MGI ID (if available)	Unique MGI identifier for allele, if available.	3
Genetic Alterations	Detailed description of the genetic alteration	1
Type of mutation	Select from the examples.	1
Chromosome	On what chromosome is the affected gene found?	1
Insertion point	Is the transgene inserted randomly or at a known location? If known, please identify the location (e.g., gene name)	3
Transgene	What transgene was inserted? Please provide a unique identifier.	3
Promoter	Please provide MGI or NCBI/Gene unique identifier for the promoter's gene	3
Promoter species	From what species originated the promoter?	3
Genotype Protocol	Please send genotyping protocols if available OR, provide a URL to your strain	1
Is the allele is sex-linked?	Is the allele on an X or Y chromosome?	1
Phenotype description	How is your model phenotypically unique compared to other strains that involve the same gene?	1
Conditional phenotype?	Describe the phenotype, if conditional (e.g., floxed, flirted, roxed, etc.), after your strain has been crossed with the appropriate modifier strain.	3
Coat Color	Describe the coat color of the animals. Can be uniform or a mix.	1
Eye Color	Describe the eye color of the animals.	1
Other Physical Characteristics	Please indicate intent to upload other relevant phenotype information here (e.g., videos, images, or special descriptions, etc.). Or simply type addtl. info.	1
Human Diseases Models	Provide a disease ID for the on Online Mendelian Inheritance in Man (OMIM ID), if possible	3
Research Area	Please indicate all applicable research area(s); select from the list of examples.	3
Modifier strain	If a FLP, Cre, or other recombinase or deleter strain was used during the strain's development, please provide the strain name and publication information. For commercial strains, please provide the name of the distributor and the catalog number.	3
Control animals	What are the recommended control animals for this strain?	3
Mouse Strain Development	Detailed steps of the strain's development	1
Strain is maintained on...	Vendor strain name (e.g., strain chimera or founder was bred to). If possible, catalog number.	1
Current Background	What is the current genetic background of the strain?	1
ES cells	"Official" embryonic stem cell name. If possible, as published or commercially catalogued.	1
Strain of Origin	From what strain were the embryonic stem cells derived?	3
Breeding System	How is strain being maintained?	1
Breeding Schemes	Describe the breeding scheme used to maintain the colony, if Breeding System = "Other"	3
Breeding Performance	Doe the mice breed well? With difficulty? Select from the provided examples.	3
Special Considerations Husbandry	Light cycle recommnedations, diets, etc.	3
Generation	N=Backcross; F=Sib-mating	1
Bred to Homozygosity	Was the strain bred to Homozygosity	3
Viability, homozygous FEMALE	Are Homozygous Females Viable?	3
Viability, homozygous MALE	Are Homozygous Males Viable?	3
Viability, homozygous FE-/MALE, comment	Additional information for viability issues for either female, male or both	3
Fertility, homozygous FEMALE	What is the state of fertility for Homozygous Females?	3
Fertility, homozygous MALE	What is the state of fertility for Homozygous Males?	3
Fertility, homozygous FE-/MALE, comment	Additional information for fertility issues for either female, male or both	3
Fertility, heterozygous FEMALE	What is the state of fertility for Heterozygous Females?	3
Fertility, heterozygous MALE	What is the state of fertility for Heterozygous Males?	3
Fertility, heterozygous FE-/MALE, comment	Additional information for reproductive issues for either female, male or both	3
Reproductive Decline, FEMALE	At what age do females show reproductive decline?	3
Reproductive Decline, MALE	At what age do males show reproductive decline?	3
Litter, average size	What is the average litter size?	3
Litter, number of pups weaned	Average number of pups weaned per litter	3
Litter, wean age	At what age are the pups weaned?	3
Patents	Does your strain involve any patented technologies? Please provide patent number and brief description.	1