

# IDG Metadata Specifications for:

## Mouse

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

IDG Field Name	Definition	Importance
Donor Information	The strains developer is the principal investigator who funded & directed the strains development	1
ILAR Lab 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 ( <a href="http://ilariabcode.nas.edu/register_code_nodep.php">http://ilariabcode.nas.edu/register_code_nodep.php</a> ) and enter it here. Alternatively, you may ask the MMRRRC to establish the code for you.	1
References	This paper should provide procedural details of how the strain was made.	3
Symbol	Please provide MGI or NCBI/Gene unique identifier for the targeted gene	1
MGI ACC ID	Unique MGI identifier for allele, if available.	3
Genetic Alteration	Detailed description of the genetic alteration	1
Alteration	Select from the examples.	1
Chromosome	On what chromosome is the affected gene found?	1
Genotype	Please send genotyping protocols if available OR, provide a URL to your strain	1
Is Sex-linked	Is the allele on an X or Y chromosome?	1
Phenotype	How is your model phenotypically unique compared to other strains that involve the same gene?	1
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 Appearance	Please indicate intent to upload other relevant phenotype information here (e.g., videos, images, or special descriptions, etc.). Or simply type addtl. info.	1
Research Applications	Please indicate all applicable research area(s); select from the list of examples.	3
Control Mice	What are the recommended control animals for this strain?	3
Strain Development	Detailed steps of the strain's development	1
BackGround Strain Maintained On	Vendor strain name (e.g., strain chimera or founder was bred to). If possible, catalog number.	1
Strain Genetic Background	What is the current genetic background of the strain?	1
ES Cell Line	"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
MMRRC Breeding System	How is strain being maintained?	1
Breeding Scheme(s)	Describe the breeding scheme used to maintain the colony, if Breeding System = "Other"	3
Overall Breeding Performance	Doe the mice breed well? With difficulty? Select from the provided examples.	3
Special Considerations	Light cycle recommendations, diets, etc.	3
Generation	N=Backcross; F=Sib-mating	1
Bred to Homozygosity	Was the strain bred to Homozygosity	3
Homozygote Female Viable	Are Homozygous Females Viable?	3
Homozygote Male Viable	Are Homozygous Males Viable?	3
Homozygote Viable Comment	Additional information for viability issues for either female, male or both	3
Homozygote Female Fertile	What is the state of fertility for Homozygous Females?	3
Homozygote Male Fertile	What is the state of fertility for Homozygous Males?	3
Homozygote Fertile Comment	Additional information for fertility issues for either female, male or both	3
Heterozygotes Female Fertile	What is the state of fertility for Heterozygous Females?	3
Heterozygotes Male Fertile	What is the state of fertility for Heterozygous Males?	3
Heterozygotes Fertile Comment	Additional information for reproductive issues for either female, male or both	3
Female Age of Reproductive Decline	At what age do females show reproductive decline?	3
Male Age of Reproductive Decline	At what age do males show reproductive decline?	3
Average Litter Size	What is the average litter size?	3
Average Pups Weaned	Average number of pups weaned per litter	3
Recommended Wean Age	At what age are the pups weaned?	3
Citation ID	RRID of the corresponding mouse strain	2