1. Contact data

Sender of mice

◯ Mr. ◯ Mrs.

Title: ◯ none ◯ Dr. ◯ Prof. Dr.

First name:

Last name:

Email:

Phone (office):

Phone (mobile):

Fax:

Are you the contact person? ◯ Yes ◯ No

Your function is:

- ☐ Head of the institute
- ☐ Head of laboratory
- ☐ Senior scientist
- ☐ Staff scientist
- ☐ Post Doc
- ☐ Others

Institution

Institution:

Institute/Department:

Unit:

Address (street):

Postcode:

Town:

Country:

County/State:

Homepage URL:

2. Genetic modification

What kind of mice do you want to send for phenotypic analysis?

Affected gene

Gene symbol:

Gene name (official MGI gene name):

Gene id (preferred MGI):

Source database: *Please choose*

- ◯ MGI
- ◯ Ensemble
- ◯ RIKEN
- ◯ GO

Type of mutation: *Please choose*

- ◯ Spontaneous mutation
- ◯ Induced mutation
- ◯ Targeted mutation
- ◯ Transgenic
  - Number of integration sites:
- ◯ Chromosomal anomaly
- ◯ Other
- ◯ None
- ◯ Genome editing

Technology used *Please choose*

- ◯ Knock-Out
- ◯ Knock-In
- ◯ Gene Trap
- ◯ Point Mutation
- ◯ Conditional Mutation
- ◯ RNAi
- ◯ CRISPR/Cas9
- ◯ Others

  Please specify, if applicable
  - Affected allele/s (if any):
  - ES cell line/s used:
  - Plasmid/construct used:

Name of the mutant mouse line:

Genetic background

On what genetic background was this mutant mouse line generated (e.g. C57BL/6J, C57BL/6N)? Please be as detailed as possible:

How do you maintain your mutant mouse line? *Please choose*

- ◯ Only backcross
- ◯ Only inbreeding
- ◯ Other (e.g. >2 strains involved):

Please be as detailed as possible:

- To what strain (e.g. C57BL/6J, C57BL/6N)?
- How many generations?
- Main genetic background (e.g. C57BL/6J, C57BL/6N)?

Classification of your mutant mouse line according to the German Genetic Engineering Act (Gentechnikgesetz - GenTG)

Please indicate that you have read and understood the above definitions: ◯ Yes ◯ No

Is your mutant mouse line considered genetically modified pursuant to the German Genetic Engineering Act (Gentechnikgesetz - GenTG)? ◯ Yes ◯ No

If Yes, into which safety level pursuant to the German Genetic Engineering Act (Gentechnikgesetz -GenTG) shall your mutant mouse line be classified?

Safety level recipient (mouse): *Please choose*

- ◯ S1
- ◯ S2
- ◯ S3

Safety level mutant line: *Please choose*

- ◯ S1
- ◯ S2
- ◯ S3

Safety level donor organism (see below): *Please choose*

- ◯ S1
- ◯ S2
- ◯ S3

Description of DNA modification (e.g. deletion of exon3, insertion of targeting vector into exon4):

Vector (e.g. SV40pA, PMM 403, PMM 403, BayGenomics genetrap vector pGT2lxf):

Please indicate the remaining non- recipient DNA (e.g. lacZ knockin replacing the NADH-binding domain thereby removing exons 4 and 5 of the long form of gene A; following Cre-mediated excision, one loxP site will be left in gene B; a floxed neomycin cassette and a second neomycin cassette without loxP site and an E. coli lacZ reporter gene in gene C):

Donor organism: *Please choose*

- ◯ E.coli (LacZ)
- ◯ human
- ◯ rat
- ◯ S.cerevisiae (Flp
- ◯ H.simplex
- ◯ P1 (LoxP
- ◯ Jellyfish (GFP)
- ◯ Other: *Please specify*

3. Phenotype

Mutant phenotype

Please provide a description of the major abnormalities:

Which kind of genotype do you want to have analyzed? *Please choose*

- ◯ Homozygotes
- ◯ Heterozygotes
- ◯ Wildtype

Are the control mice litter mates: ◯ Yes ◯ No

Are the mice viable until the end of the screening (around 20 weeks)? ◯ Yes ◯ No

If they change their physical condition, from what starting age would it be interesting to analyze them? (standardized screen: age of 9 weeks until 21 weeks):

Special housing or care requirements:

Do the mice need special feeding? *Please choose*

- ◯ Yes *Please specify*:
- ◯ No

Do the mice show aggressive behaviour? *Please choose*

- ◯ Only males
- ◯ Both sexes
- ◯ No

Are the mice susceptible to narcosis? *Please choose*

- ◯ Yes
- ◯ No
- ◯ Unknown

Are the mice in a normal weight range? *Please choose*

- ◯ Yes
- ◯ No, underweight
- ◯ No, overweight
- ◯ Unknown

Do you anticipate any problems concerning the phenotyping procedure for the mice? *Please choose*

- ◯ Yes *Please specify*:
- ◯ No

4. Scientific interest

Scientific interest

What is the question your project wants to answer? (Please state in max 3 sentences):

Short executive summary:

Which pipeline are you interested in? *Please choose*

- ◯ A - Pipeline 'GMC Screening Pipeline'
- ◯ B - Pipeline 'Emotionality'
- ◯ C - Pipeline 'Memory impairment'
- ◯ D - Pipeline 'Motor disorders'
- ◯ E - Pipeline 'Sensory disorders'
- ◯ F - Pipeline 'General neuro-behavioural assessment'
- ◯ G - Pipeline 'Glucose metabolism'
- ◯ H - Pipeline 'Kidney function'
- ◯ I - Pipeline 'Energy metabolism'
- ◯ K - Pipeline 'Immune function'
- ◯ L - Pipeline 'Allergy'
- ◯ M - Pipeline 'Lung function'
- ◯ To be discussed

Does this mutant mouse line model a human condition? *Please choose*

- ◯ Yes *Please specify for which human condition could this mutant mouse line be used as a model*:
- ◯ No
- ◯ Unknown

Is the mutant mouse line published?

- ◯ Yes *Please specify the reference for the published mutant mouse line*:
- ◯ No
- ◯ Ongoing

Please cite relevant literature references below (e.g. on the gene of interest, the human disease model, the mutant mouse line).

Reference 1:

Reference 2:

Reference 3:

5. Breeding and shipping

Current sanitary status

Detected viruses, bacteria, parasites, etc.:

Breeding information

When is the earliest time point for the mating of the appropriate amount of couples (2 females can be mated with one male, please consider mean litter sizes of your mutant mouse line, mean inter-litter interval, number of animals in colony)?

Do you need support to design your breeding (we could tell how many mice have to be mated, etc.)? ◯ Yes ◯ No

What kind of mouse labeling system are you using (e.g. punched ear tags; plastic/metal ear mark; other)?

6. Intellectual property rights

Are there particular intellectual property rights linked to this mutant mouse line?

Is the use of this mutant mouse line restricted by any intellectual property right including those of third parties arising from patent rights, license agreements or other rights of use? Is this mutant mouse line subject to any kind of agreement resulting in restrictions regarding publication of data? *Please choose*

- ◯ Yes *Please specify*:
- ◯ No
- ◯ Unknown

Did you generate the mutant mouse line yourself? *Please choose*

- ◯ Yes
- ◯ No
  - If you didn't generate the mutant mouse line yourself, was it generated by a Company? *Please choose*
    - ◯ Yes *Please specify company name*:
    - ◯ No
      - Who generated the mutant mouse line?

Are you the exclusive owner of the mutant mouse line? *Please choose*

- ◯ Yes
- ◯ No
  - Second owner of the mutant mouse line:
  - Do the other owners agree on the phenotyping in the GMC?
    - ◯ Yes
    - ◯ No

Do you have further collaborations for the analysis of the mutant mouse line ongoing or planned? *Please choose*

- ◯ Yes *Please specify*:
- ◯ No

Comment

If you have further information or comments, please enter here: