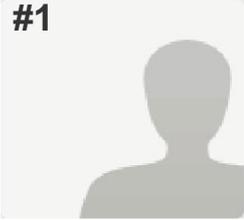


#1



**COMPLETE**

**Collector:** IMPC housing a...ta collection (Email)  
**Started:** Tuesday, February 25, 2014 10:47:16 PM  
**Last Modified:** Wednesday, February 26, 2014 7:54:52 AM  
**Time Spent:** 09:07:35  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @nicemice.cn

**Q2: Which phenotyping center is data being submitted for?** NING Nanjing University

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** MARC

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines. If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

IMPC Pipeline [IMPC\_001]

**Q5: Please specify the date from which this information applies.**

Start Date 01/01/2009

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** Yes

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

Adult screens week 4-8

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

*Respondent skipped this question*

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

No

PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20

Maximum 26

**Q14: Housing - Is the relative humidity regulated?** Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 40

Maximum 70

**Q16: Housing - How is ventilation managed?** Negative

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |           |
|---------|-----------|
| Minimum | 10        |
| Maximum | 15        |
| Units   | time/hour |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |           |
|---------|-----------|
| Minimum | 30        |
| Maximum | 50        |
| Units   | time/hour |

Q20: Housing - What is the light source? Florescent

Q21: Housing - Can you quantify the light intensity range experienced? Yes

## PAGE 6

### Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.

|         |     |
|---------|-----|
| Minimum | 25  |
| Maximum | 200 |

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 08:00 AM,

Lights off 08:00 PM

Q24: Housing - What is the cage manufacturer and racking system used? Airclean, Suzhou, Jiangsu province

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 130 |
| Length (mm) | 270 |
| Width (mm)  | 160 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 3 |
| Maximum | 4 |

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q27: Housing - What is the bedding type?</b>  | Quarter inch corn cob  |
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Group housing, Shredded paper  |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Weekly   |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During phenotyping procedures  |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Regular diet (equivalent to LabDiet 5LG40)<br>Jiangsu province Cooperative Medical<br>Biological Engineering Company |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|   |     |
|---|-----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 54  |
| Fat   | 6   |
| Protein   | 23  |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | Yes |

### PAGE 8

|  |    |
|--|----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> |    |
| Carbohydrate   | 60 |
| Fat  | 15 |
| Protein  | 20 |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | No |

### PAGE 9

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Vegetable, Animal   |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum  |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Acidification   |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum  |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle  |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF   |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks                            |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources & rederivation or embryo transfer |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Micro testing   |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No  |

### PAGE 10

|   |   |
|---|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Serology - Clostridium piliforme        |
| <b>Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>   | No                                      |

### PAGE 11

|   |   |
|---|---|
| <b>Q53: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|---|---|

## Housing and husbandry V5.7

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** Yes

### PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** No

### PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

### PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

### PAGE 16

**Q59: Please specify the date from which this information applies.** *Respondent skipped this question*

**Q60: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q61: Housing - Is the temperature regulated?** *Respondent skipped this question*

**Q62: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q63: Housing - Is the relative humidity regulated?</b>   | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>   | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>  | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>   | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|  |   |
|--|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q77: Housing - How has the bedding been pre-treated?</b>                                | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>                                    | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 19: Copy of page:

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 20: Copy of page:

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q87: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

### PAGE 21

|   |   |
|---|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q90: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q91: Water - Is there a pre-treatment of the water?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q92: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q93: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q95: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q96: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q97: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 22: Copy of page:

|   |   |
|---|---|
| <b>Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q100: Microbiological status - Which pathogens are tested for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>  | <i>Respondent skipped this question</i> |

### PAGE 23: Copy of page:

|  |   |
|--|---|
| <b>Q102: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

**Q103:** This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.

*Respondent skipped this question*

**PAGE 24: Copy of page:**

**Q104:** As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13

*Respondent skipped this question*

**Q105:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q106:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

**PAGE 25**

**Q107:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

**Q108:** Housing - Is the temperature regulated?

*Respondent skipped this question*

**Q109:** Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.

*Respondent skipped this question*

**Q110:** Housing - Is the relative humidity regulated?

*Respondent skipped this question*

**Q111:** Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.

*Respondent skipped this question*

**Q112:** Housing - How is ventilation managed?

*Respondent skipped this question*

## Housing and husbandry V5.7

**Q113: Housing - How many air changes per hour in the room?** *Respondent skipped this question*

**Q114: Housing - Is there IVC ventilation?** *Respondent skipped this question*

### PAGE 26: Copy of page:

**Q115: Housing - How many air changes per hour in the IVC unit?** *Respondent skipped this question*

**Q116: Housing - What is the light source?** *Respondent skipped this question*

**Q117: Housing - Can you quantify the light intensity range experienced?** *Respondent skipped this question*

### PAGE 27: Copy of page:

**Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q119: Housing - What is the time the lights are switched on and off?** *Respondent skipped this question*

**Q120: Housing - What is the cage manufacturer and racking system used?** *Respondent skipped this question*

**Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.** *Respondent skipped this question*

**Q123: Housing - What is the bedding type?** *Respondent skipped this question*

**Q124: Housing - How has the bedding been pre-treated?** *Respondent skipped this question*

**Q125: Housing - What cage enrichment is provided?** *Respondent skipped this question*

**Q126: Housing - What is the frequency of cage cleaning?** *Respondent skipped this question*

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q127: Housing - What is the frequency of handling?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q129: Nutrition - What is the diet type?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q134: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 30

|   |   |
|---|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q137: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q138: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q139: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q140: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <i>Respondent skipped this question</i> |
| <b>Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>   | <i>Respondent skipped this question</i> |

### PAGE 32: Copy of page:

|  |   |
|--|---|
| <b>Q149: Microbiological status - Which pathogens is your unit positive for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?</b> | <i>Respondent skipped this question</i> |

### PAGE 33: Copy of page:

|  |  |
|--|--|
| <p><b>Q151:</b> As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc</p>         | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q152:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q153:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?</p>  | <p><i>Respondent skipped this question</i></p> |

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|   |  |
|---|--|
| <p><b>Q154:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q155:</b> Housing - Is the temperature regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q156:</b> Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q157:</b> Housing - Is the relative humidity regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q158:</b> Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q159:</b> Housing - How is ventilation managed?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q160:</b> Housing - How many air changes per hour in the room?</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q161:</b> Housing - Is there IVC ventilation?</p>   | <p><i>Respondent skipped this question</i></p> |

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## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

**PAGE 36: Copy of page:**

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 38: Copy of page:

|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q181: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 39

|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q184: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q185: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q186: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q187: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q189: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q190: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q191: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#2



**COMPLETE**

**Collector:** IMPC housing a...ta collection (Email)  
**Started:** Monday, March 24, 2014 1:09:01 AM  
**Last Modified:** Monday, March 24, 2014 8:39:07 AM  
**Time Spent:** 07:30:05  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @igbmc.fr

**Q2: Which phenotyping center is data being submitted for?** ICS Mouse Clinical Institute

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** Phenomin

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

ICS\_001

**Q5: Please specify the date from which this information applies.**

Start Date 01/01/2012

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** No

PAGE 2

**Q8:** As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.

*Respondent skipped this question*

**Q9:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q10:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

PAGE 3

**Q11:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?** Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 18

Maximum 24

**Q14: Housing - Is the relative humidity regulated?** Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 30

Maximum 80

**Q16: Housing - How is ventilation managed?** Positive

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |    |
|---------|----|
| Minimum | 15 |
| Maximum | 20 |
| Units   | %  |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |     |
|---------|-----|
| Minimum | -   |
| Maximum | 65  |
| Units   | ach |

Q20: Housing - What is the light source? Florescent

Q21: Housing - Can you quantify the light intensity range experienced? Yes

## PAGE 6

### Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.

|         |     |
|---------|-----|
| Minimum | 0   |
| Maximum | 360 |

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 07:00 AM,

Lights off 07:00 PM

Q24: Housing - What is the cage manufacturer and racking system used? Tecniplast, Sealsafe Plus with GM500 caging system

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 132 |
| Length (mm) | 369 |
| Width (mm)  | 156 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q27: Housing - What is the bedding type?</b>  | Other,<br>Other (please specify) Aspen wood chips                             |
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved  |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | None,<br>Other (please specify)<br>Nestlets during the breeding stage         |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Weekly  |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | Weekly (assessment),<br>During phenotyping procedures                         |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | SAFE DIET DO4,<br>Other (please specify)<br>SAFE DIET D03 during the breeding |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient  |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | No  |

### PAGE 7

|   |   |
|---|---|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | Yes                                     |

### PAGE 8

|  |     |
|--|-----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 60  |
| Fat  | 3   |
| Protein  | 16  |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | Yes |

### PAGE 9

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Vegetable   |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum  |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Chlorination  |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum  |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle  |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF   |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks                            |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources & rederivation or embryo transfer |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Micro testing   |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | Yes   |

PAGE 10

|  |   |
|--|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)?Please round the answer to the nearest whole number.</b> |   |
| Minimum  | 1   |
| Maximum  | 2   |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>   | <p>Serology - Clostridium piliforme,</p> <p>Serology - Ectromelia Virus,</p> <p>Serology - Hantaan Virus,</p> <p>Serology - Lymphocytic choriomeningitis (LCMV)</p> <p>,</p> <p>Serology - Minute Virus of Mice,</p> <p>Serology - Mouse Adenovirus type 2 (MAd K87)</p> <p>,</p> |

## Housing and husbandry V5.7

Serology - Mouse Adenovirus type 1 (MAd FL),  
Serology - Mouse Cytomegalovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Norovirus,  
Serology - Mouse Parvovirus,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mycoplasma pulmonis,  
Serology - Pneumonia Virus of Mice ,  
Serology - Reovirus Type III (Reo 3),  
Serology - Sendai Virus,  
Serology - Theiler's murine  
encephalomyelitis virus  
,  
Parasitology – Intestinal protozoa,  
Parasitology - Arthropods,  
Parasitology - Ectoparasites,  
Parasitology - Endoparasites,  
Parasitology - FAECAL OVA,  
Parasitology - Helminths,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Helicobacter species,  
Bacteriology - Pasteurellaceae,  
Bacteriology - Pseudomonas aeruginosa,  
Bacteriology - Salmonella species,  
Bacteriology - Staphylococci aureus,  
Bacteriology - Streptobacillus moniliformis,  
Bacteriology - Streptococcus Beta-  
haemolytic (group D)  
,  
Bacteriology - Streptococcus Beta-  
haemolytic (not group D)  
,  
Bacteriology - Streptococcus pneumoniae,  
Necropsy - External Lesions/Abnormalities,

Necropsy - Internal Lesions/Abnormalities

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** Yes

PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?**

Mouse Norovirus, Helicobacter species, Staphylococci aureus, Pseudomonas aeruginosa, Pasteurella species

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** Yes

PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** No

PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

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## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q59: Please specify the date from which this information applies.</b>   | <i>Respondent skipped this question</i> |
| <b>Q60: If known, please specify the end date for which this information applies.</b>  | <i>Respondent skipped this question</i> |
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

### PAGE 19: Copy of page:

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 20: Copy of page:

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

Q87: Nutrition - Do you know the source of lipids? *Respondent skipped this question*

PAGE 21

|   |   |
|---|---|
| Q88: Nutrition - What is the source(s) of lipids?   | <i>Respondent skipped this question</i> |
| Q89: Nutrition - What is the feeding regime (excluding fasting periods)?                  | <i>Respondent skipped this question</i> |
| Q90: Water - Is the water quality monitored?  | <i>Respondent skipped this question</i> |
| Q91: Water - Is there a pre-treatment of the water?                                       | <i>Respondent skipped this question</i> |
| Q92: Water - What is the water schedule (quantity)?                                       | <i>Respondent skipped this question</i> |
| Q93: Water - How is the water supplied?   | <i>Respondent skipped this question</i> |
| Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)? | <i>Respondent skipped this question</i> |
| Q95: Microbiological status - What method is used to protect the status?                  | <i>Respondent skipped this question</i> |
| Q96: Microbiological status - What is the closed barrier detail?                          | <i>Respondent skipped this question</i> |
| Q97: Microbiological status - What quarantine method is employed?                         | <i>Respondent skipped this question</i> |
| Q98: Microbiological status - Are live animals allowed to join the unit?                  | <i>Respondent skipped this question</i> |

PAGE 22: Copy of page:

|  |   |
|--|---|
| Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number. | <i>Respondent skipped this question</i> |
| Q100: Microbiological status - Which pathogens are tested for?   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

### PAGE 23: Copy of page:

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** *Respondent skipped this question*

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** *Respondent skipped this question*

### PAGE 25

**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.** *Respondent skipped this question*

**Q108: Housing - Is the temperature regulated?** *Respondent skipped this question*

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q110: Housing - Is the relative humidity regulated?</b>   | <i>Respondent skipped this question</i> |
| <b>Q111: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q112: Housing - How is ventilation managed?</b>   | <i>Respondent skipped this question</i> |
| <b>Q113: Housing - How many air changes per hour in the room?</b>  | <i>Respondent skipped this question</i> |
| <b>Q114: Housing - Is there IVC ventilation?</b>   | <i>Respondent skipped this question</i> |

### PAGE 26: Copy of page:

|  |   |
|--|---|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q116: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 27: Copy of page:

|   |   |
|---|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q119: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q123: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q124: Housing - How has the bedding been pre-treated?</b>                                | <i>Respondent skipped this question</i> |
| <b>Q125: Housing - What cage enrichment is provided?</b>                                    | <i>Respondent skipped this question</i> |
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q127: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q129: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

### PAGE 30

|  |   |
|--|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q137: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q138: Water- Is there a pre-treatment of the water?</b>  | <i>Respondent skipped this question</i> |
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q140: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <i>Respondent skipped this question</i> |
| <b>Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>   | <i>Respondent skipped this question</i> |

### PAGE 32: Copy of page:

|  |   |
|--|---|
| <b>Q149: Microbiological status - Which pathogens is your unit positive for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?</b> | <i>Respondent skipped this question</i> |

PAGE 33: Copy of page:

|   |   |
|---|---|
| <b>Q151:</b> As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc         | <i>Respondent skipped this question</i> |
| <b>Q152:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage. | <i>Respondent skipped this question</i> |
| <b>Q153:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?  | <i>Respondent skipped this question</i> |

PAGE 34

|  |   |
|--|---|
| <b>Q154:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4. | <i>Respondent skipped this question</i> |
| <b>Q155:</b> Housing - Is the temperature regulated?   | <i>Respondent skipped this question</i> |
| <b>Q156:</b> Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.  | <i>Respondent skipped this question</i> |
| <b>Q157:</b> Housing - Is the relative humidity regulated?   | <i>Respondent skipped this question</i> |
| <b>Q158:</b> Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.   | <i>Respondent skipped this question</i> |
| <b>Q159:</b> Housing - How is ventilation managed?   | <i>Respondent skipped this question</i> |
| <b>Q160:</b> Housing - How many air changes per hour in the room?  | <i>Respondent skipped this question</i> |
| <b>Q161:</b> Housing - Is there IVC ventilation?   | <i>Respondent skipped this question</i> |

PAGE 35: Copy of page:

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

PAGE 36: Copy of page:

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

**Q176: Nutrition - What is the diet type?** *Respondent skipped this question*

---

**Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?** *Respondent skipped this question*

### PAGE 37: Copy of page:

**Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.** *Respondent skipped this question*

---

**Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** *Respondent skipped this question*

### PAGE 38: Copy of page:

**Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.** *Respondent skipped this question*

---

**Q181: Nutrition - Do you know the source of lipids?** *Respondent skipped this question*

### PAGE 39

**Q182: Nutrition - What is the source(s) of lipids?** *Respondent skipped this question*

---

**Q183: Nutrition - What is the feeding regime (excluding fasting periods)?** *Respondent skipped this question*

---

**Q184: Water - Is the water quality monitored?** *Respondent skipped this question*

---

**Q185: Water- Is there a pre-treatment of the water?** *Respondent skipped this question*

---

**Q186: Water - What is the water schedule (quantity)?** *Respondent skipped this question*

---

**Q187: Water - How is the water supplied?** *Respondent skipped this question*

---

**Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** *Respondent skipped this question*

---

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q189: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q190: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q191: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

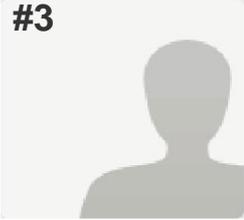
|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#3



**COMPLETE**

**Collector:** IMPC housing a...ta collection (Email)  
**Started:** Thursday, March 20, 2014 7:10:32 AM  
**Last Modified:** Tuesday, March 25, 2014 8:07:37 AM  
**Time Spent:** Over a day  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX@lunenfeld.ca

**Q2: Which phenotyping center is data being submitted for?**

TCP The Toronto Centre for Phenogenomics

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

DTCC, NorCOMM2

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

TCP\_001

**Q5: Please specify the date from which this information applies.**

Start Date 07/01/2011

**Q6: If known, please specify the end date for which this information applies.**

*Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).**

No

PAGE 2

**Q8:** As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.

*Respondent skipped this question*

**Q9:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q10:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

PAGE 3

**Q11:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?** Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 21

Maximum 22

**Q14: Housing - Is the relative humidity regulated?** Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 30

Maximum 55

**Q16: Housing - How is ventilation managed?** Positive

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |                      |
|---------|----------------------|
| Minimum | 16                   |
| Maximum | 18                   |
| Units   | air changes per hour |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |                      |
|---------|----------------------|
| Minimum | 70                   |
| Maximum | 70                   |
| Units   | air changes per hour |

Q20: Housing - What is the light source? Florescent

Q21: Housing - Can you quantify the light intensity range experienced? Yes

## PAGE 6

### Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.

|         |     |
|---------|-----|
| Minimum | 300 |
| Maximum | 600 |

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 07:00 AM,

Lights off 07:00 PM

Q24: Housing - What is the cage manufacturer and racking system used? Techniplast: Sealsafe Plus

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 199 |
| Length (mm) | 391 |
| Width (mm)  | 160 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 2 |
| Maximum | 5 |

## Housing and husbandry V5.7

|  |                       |
|--|-----------------------|
| <b>Q27: Housing - What is the bedding type?</b>  | Quarter inch corn cob |
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved            |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Shredded paper        |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Biweekly              |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | Weekly (assessment)   |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Harlan 2918           |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient    |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes                   |

### PAGE 7

|   |     |
|---|-----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 44  |
| Fat   | 6   |
| Protein   | 18  |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | Yes |

### PAGE 8

|  |     |
|--|-----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 58  |
| Fat  | 18  |
| Protein  | 24  |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | Yes |

### PAGE 9

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Vegetable   |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum  |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | RO, Acidification   |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum  |
| <b>Q44: Water - How is the water supplied?</b>   | Automatic water system  |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF   |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks                            |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources & rederivation or embryo transfer |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations   |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No  |

PAGE 10

|   |   |
|---|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>   |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Serology - Hantaan Virus, Serology - K Virus, Serology - Lymphocytic choriomeningitis (LCMV),<br>, Serology - Minute Virus of Mice, Serology - Mouse Adenovirus type 2 (MAd K87),<br>, Serology - Mouse Adenovirus type 1 (MAd FL), Serology - Mouse Cytomegalovirus, Serology - Mouse Hepatitis Virus, |

## Housing and husbandry V5.7

Serology - Mouse Norovirus,  
Serology - Mouse Parvovirus,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Pneumonia Virus of Mice ,  
Serology - Polyoma Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Sendai Virus,  
Serology - Theiler's murine encephalomyelitis virus  
,  
Parasitology - Ectoparasites,  
Parasitology - Endoparasites,  
Parasitology - FAECAL OVA,  
Bacteriology - Bordetella bronchiseptica,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Klebsiella oxytoca,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Pasteurella multocida,  
Bacteriology - Pasteurella pneumotropica,  
Bacteriology - Pseudomonas aeruginosa,  
Bacteriology - Pseudomonas species,  
Bacteriology - Salmonella species,  
Bacteriology - Staphylococci aureus,  
Bacteriology - Streptococcus Beta-haemolytic (group D)  
,  
Bacteriology - Streptococcus Beta-haemolytic (not group D)  
,  
Bacteriology - Streptococcus pneumoniae,  
Necropsy - External Lesions/Abnormalities,  
Necropsy - Internal Lesions/Abnormalities

---

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** Yes

PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?**

MFIA MNV  
Entamoeba sp  
Helicobacter species

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** Yes

PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** No

PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

PAGE 16

**Q59: Please specify the date from which this information applies.** *Respondent skipped this question*

**Q60: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>  | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>                       | <i>Respondent skipped this question</i> |

|  |   |
|--|---|
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

**PAGE 19: Copy of page:**

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

**PAGE 20: Copy of page:**

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q87: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

**PAGE 21**

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q90: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q91: Water - Is there a pre-treatment of the water?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q92: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q93: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q95: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q96: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q97: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 22: Copy of page:

|   |   |
|---|---|
| <b>Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q100: Microbiological status - Which pathogens are tested for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>  | <i>Respondent skipped this question</i> |

### PAGE 23: Copy of page:

## Housing and husbandry V5.7

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

---

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** *Respondent skipped this question*

---

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

---

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** *Respondent skipped this question*

### PAGE 25

**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.** *Respondent skipped this question*

---

**Q108: Housing - Is the temperature regulated?** *Respondent skipped this question*

---

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.** *Respondent skipped this question*

---

**Q110: Housing - Is the relative humidity regulated?** *Respondent skipped this question*

---

**Q111: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q112: Housing - How is ventilation managed?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q113: Housing - How many air changes per hour in the room?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q114: Housing - Is there IVC ventilation?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 26: Copy of page:

|   |   |
|---|---|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q116: Housing - What is the light source?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 27: Copy of page:

|  |   |
|--|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q119: Housing - What is the time the lights are switched on and off?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q123: Housing - What is the bedding type?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q124: Housing - How has the bedding been pre-treated?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q125: Housing - What cage enrichment is provided?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q127: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q129: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

### PAGE 30

|  |   |
|--|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
| <b>Q137: Water - Is the water quality monitored?</b>                             | <i>Respondent skipped this question</i> |
| <b>Q138: Water- Is there a pre-treatment of the water?</b>                       | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q140: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <i>Respondent skipped this question</i> |
| <b>Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>   | <i>Respondent skipped this question</i> |

### PAGE 32: Copy of page:

|  |   |
|--|---|
| <b>Q149: Microbiological status - Which pathogens is your unit positive for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?</b> | <i>Respondent skipped this question</i> |

### PAGE 33: Copy of page:

|   |  |
|---|--|
| <p><b>Q151:</b> As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the <b>THIRD BLOCK</b> of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc</p>         | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q152:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with <b>BLOCK THREE</b> of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q153:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?</p>   | <p><i>Respondent skipped this question</i></p> |

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|   |  |
|---|--|
| <p><b>Q154:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q155:</b> Housing - Is the temperature regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q156:</b> Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q157:</b> Housing - Is the relative humidity regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q158:</b> Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q159:</b> Housing - How is ventilation managed?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q160:</b> Housing - How many air changes per hour in the room?</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q161:</b> Housing - Is there IVC ventilation?</p>   | <p><i>Respondent skipped this question</i></p> |

PAGE 35: Copy of page:

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

**PAGE 36: Copy of page:**

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 38: Copy of page:

|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q181: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 39

|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q184: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q185: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q186: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q187: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q189: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q190: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q191: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

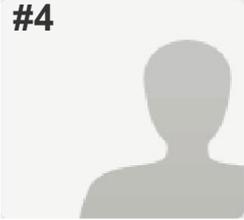
|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#4



**COMPLETE**

**Collector:** New Email Invitation (Email)  
**Started:** Monday, March 31, 2014 7:12:30 AM  
**Last Modified:** Monday, March 31, 2014 7:45:59 AM  
**Time Spent:** 00:33:29  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @bcm.edu

**Q2: Which phenotyping center is data being submitted for?** BCM Baylor College of Medicine

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** BASH

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

IMPC\_001

**Q5: Please specify the date from which this information applies.**

Start Date 07/01/2011

**Q6: If known, please specify the end date for which this information applies.**

End Date 06/30/2016

Yes

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).**

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

Embryonic screens

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_FER\_001  
 IMPC\_VIA\_001  
 IMPC\_BWT\_001

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

Yes

PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

|           |   |
|-----------|---|
| Start age | 0 |
| End age   | 4 |

PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 20 |
| Maximum | 21 |

**Q14: Housing - Is the relative humidity regulated?** Seasonally (not in winter)

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 30 |
| Maximum | 70 |

**Q16: Housing - How is ventilation managed?**

Positive

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |                      |
|---------|----------------------|
| Minimum | 15                   |
| Maximum | 20                   |
| Units   | air changes per hour |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |     |
|---------|-----|
| Minimum | 50  |
| Maximum | 75  |
| Units   | ACH |

Q20: Housing - What is the light source? Florescent

Q21: Housing - Can you quantify the light intensity range experienced? Yes

## PAGE 6

### Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.

|         |     |
|---------|-----|
| Minimum | 112 |
| Maximum | 322 |

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 07:00 AM,

Lights off 07:00 PM

Q24: Housing - What is the cage manufacturer and racking system used? Techniplast: Sealsafe Plus

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 160 |
| Length (mm) | 199 |
| Width (mm)  | 391 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q27: Housing - What is the bedding type?</b>  | Quarter inch corn cob                                  |
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Nestlets, Group housing                                |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Biweekly   |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During phenotyping procedures,<br>During cage cleaning |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Harlan Teklad 2919 (breeder chow),                     |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient                                     |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|   |     |
|---|-----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 45  |
| Fat   | 9   |
| Protein   | 19  |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | Yes |

### PAGE 8

|  |     |
|--|-----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 55  |
| Fat  | 22  |
| Protein  | 23  |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | Yes |

### PAGE 9

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Vegetable   |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum  |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | RO + Quiprol treatment  |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum  |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle  |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF   |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks                            |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources & rederivation or embryo transfer |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations   |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No  |

PAGE 10

|   |  |
|---|--|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>  |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Necropsy - Internal Lesions/Abnormalities,<br>Necropsy - External Lesions/Abnormalities,<br>Bacteriology - Yersinia species, Bacteriology - Yersinia pseudotuberculosis, Bacteriology - Streptococcus species, Bacteriology - Streptococcus pneumoniae,<br>Bacteriology - Streptococcus Beta-haemolytic (not group D),<br>Bacteriology - Streptococcus Beta-haemolytic |

## Housing and husbandry V5.7

(group D)

,

Bacteriology - Streptococcus Alpha-haemolytic

,

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Staphylococci xylosus,

Bacteriology - Staphylococci species  
(not aureus)

,

Bacteriology - Staphylococci species,

Bacteriology - Staphylococci aureus,

Bacteriology - Salmonella species,

Bacteriology - Pseudomonas species,

Bacteriology - Pseudomonas aeruginosa,

Bacteriology - Proteus species,

Bacteriology - Pasteurellaceae,

Bacteriology - Pasteurella species  
(not multocida or pneumotropica)

,

Bacteriology - Pasteurella pneumotropica,

Bacteriology - Pasteurella multocida,

Bacteriology - Mycoplasma species,

Bacteriology - Mannheimia haemolytica,

Bacteriology - Lactobacillus species,

Bacteriology - Klebsiella species,

Bacteriology - Klebsiella pneumoniae,

Bacteriology - Klebsiella oxytoca,

Bacteriology - Helicobacter species,

Bacteriology - Helicobacter hepaticus,

Bacteriology - Helicobacter bilis,

Bacteriology - Haemophilus species,

Bacteriology - Escherichia coli,

Bacteriology - Enterobacter species,

Bacteriology - Corynebacterium kutscheri,

Bacteriology - Clostridium piliforme,

Bacteriology - Citrobacter rodentium,

## Housing and husbandry V5.7

Bacteriology - Bordetella bronchiseptica,  
Bacteriology - B-haemolytic Streptococci,  
Bacteriology - Bacillus species,

Bacteriology - Actinobacillus species,

Parasitology - Helminths,

Parasitology - FAECAL OVA,

Parasitology - Endoparasites,

Parasitology - Ectoparasites,

Parasitology - Arthropods,

Parasitology – Intestinal protozoa,

Serology - Theiler's murine  
encephalomyelitis virus

,

Serology - Sendai Virus,

Serology - Reovirus Type III (Reo 3),

Serology - Polyoma Virus,

Serology - Pneumonia Virus of Mice ,

Serology - Mycoplasma pulmonis,

Serology - Mouse Rotavirus (EDIM),

Serology - Mouse Parvovirus,

Serology - Mouse Norovirus,

Serology - Mouse Hepatitis Virus,

Serology - Mouse Cytomegalovirus,

Serology - Mouse Adenovirus type 1 (MAd FL),

Serology - Mouse Adenovirus type 2  
(MAd K87)

,

Serology - Minute Virus of Mice,

Serology - Lymphocytic  
choriomeningitis (LCMV)

,

Serology - K Virus, Serology - Hantaan Virus,

Serology - Epizootic Diarrhoea of Infant Mice,

Serology - Ectromelia Virus,

Serology - Clostridium piliforme

## Housing and husbandry V5.7

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

### PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** No

### PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** *Respondent skipped this question*

### PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

### PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

### PAGE 16

**Q59: Please specify the date from which this information applies.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q60: If known, please specify the end date for which this information applies.</b>  | <i>Respondent skipped this question</i> |
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q74: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>   | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>   | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>   | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>  | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>  | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>  | <i>Respondent skipped this question</i> |

### PAGE 19: Copy of page:

|   |   |
|---|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | <i>Respondent skipped this question</i> |

### PAGE 20: Copy of page:

|  |   |
|--|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q87: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

## PAGE 21

|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q90: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q91: Water - Is there a pre-treatment of the water?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q92: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q93: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q95: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q96: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q97: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

## PAGE 22: Copy of page:

|   |   |
|---|---|
| <b>Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q100: Microbiological status - Which pathogens are tested for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>  | <i>Respondent skipped this question</i> |

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|  |  |
|--|--|
| <p><b>Q102: Microbiological status - Which pathogens is your unit positive for?</b></p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.</b></p> | <p><i>Respondent skipped this question</i></p> |

PAGE 24: Copy of page:

|   |                       |
|---|-----------------------|
| <p><b>Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13</b></p>  | <p>Adults Screens</p> |
| <p><b>Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.</b></p>  |                       |
| <p>IMPC_BWT_001<br/>                 IMPC_ALZ_001<br/>                 IMPC_CSD_002<br/>                 IMPC_OFD_001<br/>                 IMPC_ACS_003<br/>                 IMPC_GRS_001<br/>                 IMPC_CAL_002<br/>                 IMPC_ECG_001<br/>                 IMPC_ECH_001<br/>                 IMPC_IPG_001<br/>                 IMPC_CHL_001<br/>                 IMPC_ABR_002<br/>                 IMPC_XRY_001<br/>                 IMPC_DXA_001<br/>                 IMPC_EYE_001<br/>                 IMPC_IMM_001<br/>                 IMPC_HEM_002<br/>                 IMPC_CBC_002<br/>                 IMPC_PAT_001<br/>                 IMPC_HWT_001<br/>                 IMPC_BLK_001<br/>                 IMPC_HIS_001<br/>                 IMPC_BWT_001</p> |                       |
| <p><b>Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?</b></p>   | <p>Yes</p>            |

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|  |                            |
|--|----------------------------|
| <b>Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.</b> |                            |
| Start age  | 5                          |
| End age  | 16                         |
| <b>Q108: Housing - Is the temperature regulated?</b>   |                            |
|  | Yes                        |
| <b>Q109: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b>  |                            |
| Minimum  | 20                         |
| Maximum  | 21                         |
| <b>Q110: Housing - Is the relative humidity regulated?</b>   |                            |
|  | Seasonally (not in winter) |
| <b>Q111: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>   |                            |
| Minimum  | 30                         |
| Maximum  | 70                         |
| <b>Q112: Housing - How is ventilation managed?</b>   |                            |
|  | Positive                   |
| <b>Q113: Housing - How many air changes per hour in the room?</b>  |                            |
| Minimum  | 15                         |
| Maximum  | 20                         |
| Units  | ACH                        |
| <b>Q114: Housing - Is there IVC ventilation?</b>   |                            |
|  | Yes                        |

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|  |            |
|--|------------|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b>          |            |
| Minimum  | 50         |
| Maximum  | 75         |
| Units  | ACH        |
| <b>Q116: Housing - What is the light source?</b>                               |            |
|  | Florescent |
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> |            |
|  | Yes        |

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**Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.**

|         |     |
|---------|-----|
| Minimum | 201 |
| Maximum | 391 |

**Q119: Housing - What is the time the lights are switched on and off?**

Lights on 07:00 AM,  
Lights off 07:00 PM

**Q120: Housing - What is the cage manufacturer and racking system used?** Techniplast: Sealsafe Plus

**Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 160 |
| Length (mm) | 199 |
| Width (mm)  | 391 |

**Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

**Q123: Housing - What is the bedding type?** Quarter inch corn cob

**Q124: Housing - How has the bedding been pre-treated?** Autoclaved

**Q125: Housing - What cage enrichment is provided?** Nestlets, Group housing

**Q126: Housing - What is the frequency of cage cleaning?** Biweekly

**Q127: Housing - What is the frequency of handling?** During phenotyping procedures

**Q128: Nutrition - What is the supplier and product ID of the diet?** Harlan Teklad 2920X

**Q129: Nutrition - What is the diet type?** Natural-ingredient

**Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

**Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 47 |
| Fat          | 7  |
| Protein      | 19 |

**Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** Yes

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**Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 60 |
| Fat          | 16 |
| Protein      | 24 |

**Q134: Nutrition - Do you know the source of lipids?** Yes

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**Q135: Nutrition - What is the source(s) of lipids?** Vegetable

**Q136: Nutrition - What is the feeding regime (excluding fasting periods)?** Ad libitum

**Q137: Water - Is the water quality monitored?** Yes

**Q138: Water- Is there a pre-treatment of the water?** RO + Quiprol treatment

**Q139: Water - What is the water schedule (quantity)?** Ad libitum

**Q140: Water - How is the water supplied?** Bottle

**Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** SPF

**Q142: Microbiological status - What method is used to protect the status?** Individually ventilated cage racks

**Q143: Microbiological status - What is the closed barrier detail?** Selected commercial sources & rederivation or embryo transfer

**Q144: Microbiological status - What quarantine method is employed?** Rederivations

**Q145: Microbiological status - Are live animals allowed to join the unit?** Yes

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**Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.**

|         |   |
|---------|---|
| Minimum | 6 |
| Maximum | 8 |

**Q147: Microbiological status - Which pathogens are tested for?**

Necropsy - Internal Lesions/Abnormalities,  
 Necropsy - External Lesions/Abnormalities,  
 Bacteriology - Yersinia species, Bacteriology -  
 Yersinia pseudotuberculosis, Bacteriology -  
 Streptococcus species, Bacteriology -  
 Streptococcus pneumoniae,  
 Bacteriology - Streptococcus Beta-  
 haemolytic (not group D)  
 ,  
 Bacteriology - Streptococcus Beta-  
 haemolytic (group D)  
 ,  
 Bacteriology - Streptococcus Alpha-haemolytic  
 ,  
 Bacteriology - Streptobacillus moniliformis,  
 Bacteriology - Staphylococci xylosus,  
 Bacteriology - Staphylococci species  
 (not aureus)  
 ,  
 Bacteriology - Staphylococci species,  
 Bacteriology - Staphylococci aureus,  
 Bacteriology - Salmonella species,  
 Bacteriology - Pseudomonas species,  
 Bacteriology - Pseudomonas  
 aeruginosa, Bacteriology - Proteus  
 species, Bacteriology - Pasteurellaceae,  
 Bacteriology - Pasteurella species  
 (not multocida or pneumotropica)  
 ,  
 Bacteriology - Pasteurella pneumotropica,

Bacteriology - Pasteurella multocida,  
Bacteriology - Mycoplasma species,  
Bacteriology - Mannheimia haemolytica,  
Bacteriology - Lactobacillus species,  
Bacteriology - Klebsiella species,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Klebsiella oxytoca,  
Bacteriology - Helicobacter species,  
Bacteriology - Helicobacter hepaticus,  
Bacteriology - Helicobacter bilis,  
Bacteriology - Haemophilus species,  
Bacteriology - Escherichia coli,  
Bacteriology - Enterobacter species,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Bordetella bronchiseptica,  
Bacteriology - B-haemolytic Streptococci,  
Bacteriology - Bacillus species,  
Bacteriology - Actinobacillus species,  
Parasitology - Helminths,  
Parasitology - FAECAL OVA,  
Parasitology - Endoparasites,  
Parasitology - Ectoparasites,  
Parasitology - Arthropods,  
Parasitology – Intestinal protozoa,  
Serology - Theiler's murine encephalomyelitis virus  
,  
Serology - Sendai Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Polyoma Virus,  
Serology - Pneumonia Virus of Mice ,

## Housing and husbandry V5.7

Serology - Mycoplasma pulmonis,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mouse Parvovirus,  
Serology - Mouse Norovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Cytomegalovirus,  
Serology - Mouse Adenovirus type 1 (MAd FL),  
Serology - Mouse Adenovirus type 2 (MAd K87),  
,  
Serology - Minute Virus of Mice,  
Serology - Lymphocytic choriomeningitis (LCMV),  
,  
Serology - K Virus, Serology - Hantaan Virus,  
Serology - Epizootic Diarrhoea of Infant Mice,  
Serology - Ectromelia Virus,  
Serology - Clostridium piliforme

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

### PAGE 32: Copy of page:

**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** Yes

### PAGE 33: Copy of page:

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc** *Respondent skipped this question*

**Q152:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s) .Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q153:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

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**Q154:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

**Q155:** Housing - Is the temperature regulated?

*Respondent skipped this question*

**Q156:** Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answers to the nearest whole number.

*Respondent skipped this question*

**Q157:** Housing - Is the relative humidity regulated?

*Respondent skipped this question*

**Q158:** Housing - What is the relative humidity range experienced? (Units: %)Please round the answers to the nearest whole number.

*Respondent skipped this question*

**Q159:** Housing - How is ventilation managed?

*Respondent skipped this question*

**Q160:** Housing - How many air changes per hour in the room?

*Respondent skipped this question*

**Q161:** Housing - Is there IVC ventilation?

*Respondent skipped this question*

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**Q162:** Housing - How many air changes per hour in the IVC unit?

*Respondent skipped this question*

**Q163:** Housing - What is the light source?

*Respondent skipped this question*

## Housing and husbandry V5.7

**Q164: Housing - Can you quantify the light intensity range experienced?**

*Respondent skipped this question*

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**Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q166: Housing - What is the time the lights are switched on and off?**

*Respondent skipped this question*

**Q167: Housing - What is the cage manufacturer and racking system used?**

*Respondent skipped this question*

**Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

*Respondent skipped this question*

**Q170: Housing - What is the bedding type?**

*Respondent skipped this question*

**Q171: Housing - How has the bedding been pre-treated?**

*Respondent skipped this question*

**Q172: Housing - What cage enrichment is provided?**

*Respondent skipped this question*

**Q173: Housing - What is the frequency of cage cleaning?**

*Respondent skipped this question*

**Q174: Housing - What is the frequency of handling?**

*Respondent skipped this question*

**Q175: Nutrition - What is the supplier and product ID of the diet?**

*Respondent skipped this question*

**Q176: Nutrition - What is the diet type?**

*Respondent skipped this question*

**Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?**

*Respondent skipped this question*

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## Housing and husbandry V5.7

**Q178: Nutrition - What is the average % composition (based on mass)? Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?**

*Respondent skipped this question*

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**Q180: Nutrition - What is the average % composition (based on calorific content)? Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q181: Nutrition - Do you know the source of lipids?**

*Respondent skipped this question*

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**Q182: Nutrition - What is the source(s) of lipids?**

*Respondent skipped this question*

**Q183: Nutrition - What is the feeding regime (excluding fasting periods)?**

*Respondent skipped this question*

**Q184: Water - Is the water quality monitored?**

*Respondent skipped this question*

**Q185: Water - Is there a pre-treatment of the water?**

*Respondent skipped this question*

**Q186: Water - What is the water schedule (quantity)?**

*Respondent skipped this question*

**Q187: Water - How is the water supplied?**

*Respondent skipped this question*

**Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?**

*Respondent skipped this question*

**Q189: Microbiological status - What method is used to protect the status?**

*Respondent skipped this question*

**Q190: Microbiological status - What is the closed barrier detail?**

*Respondent skipped this question*

**Q191: Microbiological status - What quarantine method is employed?**

*Respondent skipped this question*

## Housing and husbandry V5.7

**Q192: Microbiological status - Are live animals allowed to join the unit?**

*Respondent skipped this question*

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**Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?**

*Respondent skipped this question*

**Q194: Microbiological status - Which pathogens are tested for?**

*Respondent skipped this question*

**Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?**

*Respondent skipped this question*

### PAGE 41: Copy of page:

**Q196: Microbiological status - Which pathogens is your unit positive for?**

*Respondent skipped this question*

#5



**COMPLETE**

**Collector:** IMPC housing a ...ta collection (Email)  
**Started:** Friday, March 21, 2014 8:49:52 AM  
**Last Modified:** Tuesday, April 01, 2014 3:41:54 AM  
**Time Spent:** Over a week  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

|       |                     |
|-------|---------------------|
| Name  | XXXXXX              |
| Email | XXXXXX @ucdavis.edu |

|  |                                     |
|--|-------------------------------------|
| <b>Q2: Which phenotyping center is data being submitted for?</b> | UCD University of California, Davis |
|--|-------------------------------------|

|   |          |
|---|----------|
| <b>Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.</b> | UCD-KOMP |
|---|----------|

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

UCD\_001

**Q5: Please specify the date from which this information applies.**

Start Date 06/01/2013

|  |   |
|--|---|
| <b>Q6: If known, please specify the end date for which this information applies.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |     |
|---|-----|
| <b>Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).</b> | Yes |
|---|-----|

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

Adult screens

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_CSD\_002  
 IMPC\_OFD\_001  
 IMPC\_GRS\_001  
 IMPC\_ACS\_003  
 IMPC\_ECG\_001  
 IMPC\_ABR\_001  
 IMPC\_XRY\_001  
 IMPC\_DXA\_001  
 IMPC\_EYE\_001  
 IMPC\_HEM\_002  
 IMPC\_CBC\_002  
 IMPC\_INS\_002  
 IMPC\_PAT\_001  
 IMPC\_HWT\_001  
 IMPC\_CAL\_002  
 IMPC\_IPG\_001  
 IMPC\_BWT\_001

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

No

PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20  
 Maximum 26

## Housing and husbandry V5.7

No

**Q14: Housing - Is the relative humidity regulated?**

**Q15: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.**

Minimum 30

Maximum 60

**Q16: Housing - How is ventilation managed?** Positive

**Q17: Housing - How many air changes per hour in the room?**

Minimum 10

Maximum 15

Units ACH

**Q18: Housing - Is there IVC ventilation?** Yes

### PAGE 5

**Q19: Housing - How many air changes per hour in the IVC unit?**

Minimum 20

Maximum 30

Units ACH

**Q20: Housing - What is the light source?** Florescent

**Q21: Housing - Can you quantify the light intensity range experienced?** No

### PAGE 6

**Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q23: Housing - What is the time the lights are switched on and off?**

Lights on 06:00 AM,

Lights off 06:00 PM

**Q24: Housing - What is the cage manufacturer and racking system used?** Animal Care Sytems; OptiMICE

## Housing and husbandry V5.7

**Q25: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.**

|             |    |
|-------------|----|
| Height (mm) | 5  |
| Length (mm) | 12 |
| Width (mm)  | 7  |

**Q26: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 2 |
| Maximum | 5 |

**Q27: Housing - What is the bedding type?** Quarter inch corn cob

**Q28: Housing - How has the bedding been pre-treated?** Autoclaved

**Q29: Housing - What cage enrichment is provided?** Nestlets, Enviro-dri

**Q30: Housing - What is the frequency of cage cleaning?** Biweekly

**Q31: Housing - What is the frequency of handling?** Weekly (assessment), During cage cleaning, During phenotyping procedures

**Q32: Nutrition - What is the supplier and product ID of the diet?** Harlan 2918

**Q33: Nutrition - What is the diet type?** Natural-ingredient

**Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

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**Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 44 |
| Fat          | 6  |
| Protein      | 19 |

**Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** Yes

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**Q37: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 58 |
| Fat          | 18 |
| Protein      | 24 |

**Q38: Nutrition - Do you know the source of lipids?** Yes

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**Q39: Nutrition - What is the source(s) of lipids?** Vegetable

**Q40: Nutrition - What is the feeding regime (excluding fasting periods)?** Ad libitum

**Q41: Water - Is the water quality monitored?** Yes

**Q42: Water- Is there a pre-treatment of the water?** Autoclaved, Chlorination

**Q43: Water - What is the water schedule (quantity)?** Ad libitum

**Q44: Water - How is the water supplied?** Bottle

**Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** SPF

**Q46: Microbiological status - What method is used to protect the status?** Individually ventilated cage racks

**Q47: Microbiological status - What is the closed barrier detail?** Selected commercial sources & rederivation or embryo transfer

**Q48: Microbiological status - What quarantine method is employed?** None

**Q49: Microbiological status - Are live animals allowed to join the unit?** Yes

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**Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)?Please round the answer to the nearest whole number.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 2 |

**Q51: Microbiological status - which pathogens are tested for?**

Serology - Clostridium piliforme,  
Serology - Ectromelia Virus, Serology -  
Encephalitozoon cuniculi,  
Serology - Epizootic Diarrhoea of Infant Mice,  
Serology - Hantaan Virus, Serology - K Virus,  
Serology - Lactic dehydrogenase  
elevating virus  
,  
Serology - Lymphocytic  
choriomeningitis (LCMV)  
,  
Serology - Minute Virus of Mice,  
Serology - Mouse Adenovirus type 2  
(MAd K87)  
,  
Serology - Mouse adenovirus (MAV),  
Serology - Mouse Adenovirus type 1 (MAd  
FL), Serology - Mouse Cytomegalovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Norovirus, Serology -  
Mouse Parvovirus, Serology - Mouse  
Rotavirus (EDIM), Serology -  
Mycoplasma pulmonis, Serology -  
Pneumonia Virus of Mice , Serology -  
Polyoma Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Sendai Virus,  
Serology - Theiler's murine  
encephalomyelitis virus  
,  
Parasitology – Intestinal protozoa,  
Parasitology - Arthropods,  
Parasitology - Ectoparasites,  
Parasitology - Endoparasites,  
Parasitology - FAECAL OVA,  
Parasitology - Helminths,  
Bacteriology - Bacillus species,

## Housing and husbandry V5.7

Bacteriology - Bordetella bronchiseptica,  
 Bacteriology - Citrobacter rodentium,  
 Bacteriology - Corynebacterium kutscheri,  
 Bacteriology - Helicobacter bilis,  
 Bacteriology - Helicobacter hepaticus,  
 Bacteriology - Helicobacter species,  
 Bacteriology - Klebsiella species,  
 Bacteriology - Mycoplasma pulmonis,  
 Bacteriology - Mycoplasma species,  
 Bacteriology - Pasteurella multocida,  
 Bacteriology - Pasteurella pneumotropica,  
 Bacteriology - Pseudomonas species,  
 Bacteriology - Salmonella species,  
 Bacteriology - Staphylococci aureus,  
 Bacteriology - Streptobacillus moniliformis,  
 Bacteriology - Streptococcus species,  
 Necropsy - External Lesions/Abnormalities,  
 Necropsy - Internal Lesions/Abnormalities

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**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

### PAGE 11

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**Q53: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

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**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** No

### PAGE 12

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**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** *Respondent skipped this question*

PAGE 13

|   |  |
|---|--|
| <p><b>Q56: Is the difference arising for pipelines or projects?</b></p> | <p><i>Respondent skipped this question</i></p> |
|---|--|

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|   |  |
|---|--|
| <p><b>Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?</b></p> | <p><i>Respondent skipped this question</i></p> |
|---|--|

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|  |  |
|--|--|
| <p><b>Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.</b></p> | <p><i>Respondent skipped this question</i></p> |
|--|--|

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|  |  |
|--|--|
| <p><b>Q59: Please specify the date from which this information applies.</b></p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q60: If known, please specify the end date for which this information applies.</b></p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q61: Housing - Is the temperature regulated?</b></p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.</b></p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q63: Housing - Is the relative humidity regulated?</b></p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q64: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.</b></p>        | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q65: Housing - How is ventilation managed?</b></p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q66: Housing - How many air changes per hour in the room?</b></p>  | <p><i>Respondent skipped this question</i></p> |

## Housing and husbandry V5.7

**Q67: Housing - Is there IVC ventilation?**

*Respondent skipped this question*

### PAGE 17: Copy of page:

**Q68: Housing - How many air changes per hour in the IVC unit?**

*Respondent skipped this question*

**Q69: Housing - What is the light source?**

*Respondent skipped this question*

**Q70: Housing - Can you quantify the light intensity range experienced?**

*Respondent skipped this question*

### PAGE 18: Copy of page:

**Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q72: Housing - What is the time the lights are switched on and off?**

*Respondent skipped this question*

**Q73: Housing - What is the cage manufacturer and racking system used?**

*Respondent skipped this question*

**Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

*Respondent skipped this question*

**Q76: Housing - What is the bedding type?**

*Respondent skipped this question*

**Q77: Housing - How has the bedding been pre-treated?**

*Respondent skipped this question*

**Q78: Housing - What cage enrichment is provided?**

*Respondent skipped this question*

**Q79: Housing - What is the frequency of cage cleaning?**

*Respondent skipped this question*

**Q80: Housing - What is the frequency of handling?**

*Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q82: Nutrition - What is the diet type?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 19: Copy of page:

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 20: Copy of page:

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q87: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

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|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q90: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q91: Water - Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q92: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q93: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

**Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** *Respondent skipped this question*

**Q95: Microbiological status - What method is used to protect the status?** *Respondent skipped this question*

**Q96: Microbiological status - What is the closed barrier detail?** *Respondent skipped this question*

**Q97: Microbiological status - What quarantine method is employed?** *Respondent skipped this question*

**Q98: Microbiological status - Are live animals allowed to join the unit?** *Respondent skipped this question*

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**Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q100: Microbiological status - Which pathogens are tested for?** *Respondent skipped this question*

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

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**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** Adult screen week 11

## Housing and husbandry V5.7

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_CAL\_002  
IMPC\_BWT\_001

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** No

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**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

**Q108: Housing - Is the temperature regulated?**

Yes

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20  
Maximum 26

**Q110: Housing - Is the relative humidity regulated?**

No

**Q111: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 30  
Maximum 60

**Q112: Housing - How is ventilation managed?**

Positive

**Q113: Housing - How many air changes per hour in the room?**

Minimum 10  
Maximum 15  
Units ACH

**Q114: Housing - Is there IVC ventilation?**

Yes

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|  |            |
|--|------------|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b>          |            |
| Minimum  | 20         |
| Maximum  | 30         |
| Units  | ACH        |
| <b>Q116: Housing - What is the light source?</b>                               |            |
|  | Florescent |
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> |            |
|  | No         |

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|   |   |
|---|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i>                               |
| <b>Q119: Housing - What is the time the lights are switched on and off?</b>   |   |
| Lights on   | 06:00 AM,   |
| Lights off  | 06:00 PM  |
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b>   | Other,<br>Other (please specify)<br>Colombus instruments CLAMS caging |
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  |   |
| Height (mm)   | 5   |
| Length (mm)   | 6   |
| Width (mm)  | 4   |
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> |   |
| Minimum   | 1   |
| Maximum   | 1   |
| <b>Q123: Housing - What is the bedding type?</b>  | Other,<br>Other (please specify) None                                 |
| <b>Q124: Housing - How has the bedding been pre-treated?</b>  | No treatment  |
| <b>Q125: Housing - What cage enrichment is provided?</b>  | Other,<br>Other (please specify) None                                 |

## Housing and husbandry V5.7

|   |  |
|---|--|
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>                              | Weekly   |
| <b>Q127: Housing - What is the frequency of handling?</b>                                   | Weekly (assessment), During cage cleaning, During phenotyping procedures |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>                   | Harlan Teklad Global 18% Protein Rodent Diet (#2918)                     |
| <b>Q129: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

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|   |     |
|---|-----|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 44  |
| Fat   | 6   |
| Protein   | 19  |
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | Yes |

### PAGE 29: Copy of page:

|  |     |
|--|-----|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 58  |
| Fat  | 18  |
| Protein  | 24  |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>   | Yes |

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|  |            |
|--|------------|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>                        | Vegetable  |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | Ad libitum |
| <b>Q137: Water - Is the water quality monitored?</b>                             | Yes        |

## Housing and husbandry V5.7

|   |                          |
|---|--------------------------|
| <b>Q138: Water- Is there a pre-treatment of the water?</b>  | Autoclaved               |
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum               |
| <b>Q140: Water - How is the water supplied?</b>   | Bottle                   |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF                      |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | Isolation unit           |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | Rederivations            |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | Yes                      |

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|  |  |
|--|--|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> |  |
| Minimum  | 1  |
| Maximum  | 2  |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <p>Serology - Ectromelia Virus, Serology - Encephalitozoon cuniculi,</p> <p>Serology - Epizootic Diarrhoea of Infant Mice,</p> <p>Serology - Hantaan Virus, Serology - K Virus,</p> <p>Serology - Lactic dehydrogenase elevating virus</p> <p>,</p> <p>Serology - Lymphocytic choriomeningitis (LCMV)</p> <p>,</p> <p>Serology - Minute Virus of Mice,</p> <p>Serology - Mouse Adenovirus type 2 (MAd K87)</p> <p>,</p> <p>Serology - Mouse adenovirus (MAV), Serology - Mouse Adenovirus type 1 (MAd FL),</p> |

## Housing and husbandry V5.7

Serology - Mouse Cytomegalovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Norovirus,  
Serology - Mouse Parvovirus,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mycoplasma pulmonis,  
Serology - Pneumonia Virus of Mice ,  
Serology - Polyoma Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Sendai Virus,  
Serology - Theiler's murine  
encephalomyelitis virus  
,  
Parasitology – Intestinal protozoa,  
Parasitology - Arthropods,  
Parasitology - Ectoparasites,  
Parasitology - Endoparasites,  
Parasitology - FAECAL OVA,  
Parasitology - Helminths,  
Bacteriology - Bacillus species,  
Bacteriology - B-haemolytic Streptococci,  
Bacteriology - Bordetella bronchiseptica,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Helicobacter bilis,  
Bacteriology - Helicobacter hepaticus,  
Bacteriology - Helicobacter species,  
Bacteriology - Klebsiella oxytoca,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Klebsiella species,  
Bacteriology - Mycoplasma pulmonis,  
Bacteriology - Mycoplasma species,  
Bacteriology - Pasteurella multocida,  
Bacteriology - Pasteurella pneumotropica,

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Bacteriology - Pasteurella species (not multocida or pneumotropica)

,

Bacteriology - Pasteurellaceae,

Bacteriology - Pseudomonas aeruginosa,

Bacteriology - Pseudomonas species,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Streptococcus Alpha-haemolytic

,

Bacteriology - Streptococcus Beta-haemolytic (group D)

,

Bacteriology - Streptococcus Beta-haemolytic (not group D)

,

Bacteriology - Streptococcus pneumoniae,

Bacteriology - Streptococcus species,

Necropsy - External Lesions/Abnormalities,

Necropsy - Internal Lesions/Abnormalities

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**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

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**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

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**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** Yes

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|   |  |
|---|--|
| <p><b>Q151:</b> As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the <b>THIRD BLOCK</b> of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc</p>         | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q152:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with <b>BLOCK THREE</b> of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q153:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?</p>   | <p><i>Respondent skipped this question</i></p> |

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|   |  |
|---|--|
| <p><b>Q154:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q155:</b> Housing - Is the temperature regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q156:</b> Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q157:</b> Housing - Is the relative humidity regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q158:</b> Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q159:</b> Housing - How is ventilation managed?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q160:</b> Housing - How many air changes per hour in the room?</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q161:</b> Housing - Is there IVC ventilation?</p>   | <p><i>Respondent skipped this question</i></p> |

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## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

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|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

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|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q181: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

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|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q184: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q185: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q186: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q187: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q189: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q190: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q191: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#6



**COMPLETE**

**Collector:** IMPC housing a...ta collection (Email)  
**Started:** Thursday, March 27, 2014 8:36:09 AM  
**Last Modified:** Tuesday, April 01, 2014 3:44:19 AM  
**Time Spent:** Over a day  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @har.mrc.ac.uk

**Q2: Which phenotyping center is data being submitted for?** H MRC Harwell

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** BASH, MRC

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

HRWL\_001

**Q5: Please specify the date from which this information applies.**

Start Date 01/01/2011

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** No

PAGE 2

**Q8:** As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.

*Respondent skipped this question*

**Q9:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q10:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

PAGE 3

**Q11:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?** Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 19 |
| Maximum | 21 |

**Q14: Housing - Is the relative humidity regulated?** Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 45 |
| Maximum | 65 |

**Q16: Housing - How is ventilation managed?** Positive

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |             |
|---------|-------------|
| Minimum | 25          |
| Maximum | 20          |
| Units   | air changes |

---

Q18: Housing - Is there IVC ventilation? Yes

---

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |             |
|---------|-------------|
| Minimum | 65          |
| Maximum | 75          |
| Units   | air changes |

---

Q20: Housing - What is the light source? Florescent

---

Q21: Housing - Can you quantify the light intensity range experienced? No

---

## PAGE 6

Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number. *Respondent skipped this question*

---

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 07:00 AM,  
Lights off 07:00 PM

---

Q24: Housing - What is the cage manufacturer and racking system used? Techniplast: Sealsafe

---

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 187 |
| Length (mm) | 398 |
| Width (mm)  | 215 |

---

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 4 |
| Maximum | 5 |

---

Q27: Housing - What is the bedding type? Pine shavings

---

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Irradiated   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Group housing, Shredded paper, Fun tunnel                              |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | As required  |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During cage cleaning,<br>During phenotyping procedures                 |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Other,<br>Other (please specify)<br>Special Diet Services (Dietex) RM3 |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|   |    |
|---|----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> |    |
| Carbohydrate  | 55 |
| Fat   | 4  |
| Protein   | 20 |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | No |

### PAGE 8

|  |   |
|--|---|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

### PAGE 9

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |                                    |
|--|------------------------------------|
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                         |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes                                |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Chlorination                       |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                         |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle                             |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF                                |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals           |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations                      |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No                                 |

PAGE 10

|   |   |
|---|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>   |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | <p>Necropsy - Internal Lesions/Abnormalities,</p> <p>Necropsy - External Lesions/Abnormalities,</p> <p>Bacteriology - Streptococcus pneumoniae,</p> <p>Bacteriology - Streptococcus Beta-haemolytic (group D)</p> <p>,</p> <p>Bacteriology - Streptobacillus moniliformis,</p> <p>Bacteriology - Salmonella species,</p> <p>Bacteriology - Pasteurella species (not multocida or pneumotropica)</p> <p>,</p> <p>Bacteriology - Pasteurella pneumotropica,</p> <p>Bacteriology - Helicobacter species,</p> |

## Housing and husbandry V5.7

Bacteriology - Helicobacter hepaticus,  
Bacteriology - Helicobacter bilis,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Citrobacter rodentium,  
Parasitology - Helminths,  
Parasitology - FAECAL OVA,  
Parasitology - Endoparasites,  
Parasitology - Ectoparasites,  
Parasitology - Arthropods,  
Parasitology – Intestinal protozoa,  
Serology - Theiler's murine encephalomyelitis virus  
,  
Serology - Sendai Virus,  
Serology - Pneumonia Virus of Mice ,  
Serology - Mycoplasma pulmonis,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mouse Parvovirus,  
Serology - Mouse Norovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Adenovirus type 1 (MAd FL),  
Serology - Mouse adenovirus (MAV),  
Serology - Mouse Adenovirus type 2 (MAd K87)  
,  
Serology - Minute Virus of Mice,  
Serology - Lymphocytic choriomeningitis (LCMV)  
,  
Serology - Epizootic Diarrhoea of Infant Mice,  
Serology - Ectromelia Virus,  
Serology - Clostridium piliforme

---

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

PAGE 11

|   |   |
|---|---|
| <b>Q53: Microbiological status - Which pathogens is your unit positive for?</b>                                     | <i>Respondent skipped this question</i> |
| <b>Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?</b> | Yes                                     |

PAGE 12

|   |    |
|---|----|
| <b>Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?</b> | No |
|---|----|

PAGE 13

|  |   |
|--|---|
| <b>Q56: Is the difference arising for pipelines or projects?</b> | <i>Respondent skipped this question</i> |
|--|---|

PAGE 14: Copy of page:

|  |   |
|--|---|
| <b>Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?</b> | <i>Respondent skipped this question</i> |
|--|---|

PAGE 15

|   |   |
|---|---|
| <b>Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.</b> | <i>Respondent skipped this question</i> |
|---|---|

PAGE 16

|   |   |
|---|---|
| <b>Q59: Please specify the date from which this information applies.</b>              | <i>Respondent skipped this question</i> |
| <b>Q60: If known, please specify the end date for which this information applies.</b> | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>  | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>                       | <i>Respondent skipped this question</i> |

|  |   |
|--|---|
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

**PAGE 19: Copy of page:**

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

**PAGE 20: Copy of page:**

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q87: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

**PAGE 21**

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q90: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q91: Water - Is there a pre-treatment of the water?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q92: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q93: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q95: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q96: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q97: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 22: Copy of page:

|   |   |
|---|---|
| <b>Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q100: Microbiological status - Which pathogens are tested for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>  | <i>Respondent skipped this question</i> |

### PAGE 23: Copy of page:

## Housing and husbandry V5.7

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** *Respondent skipped this question*

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** *Respondent skipped this question*

### PAGE 25

**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.** *Respondent skipped this question*

**Q108: Housing - Is the temperature regulated?** *Respondent skipped this question*

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q110: Housing - Is the relative humidity regulated?** *Respondent skipped this question*

**Q111: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q112: Housing - How is ventilation managed?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q113: Housing - How many air changes per hour in the room?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q114: Housing - Is there IVC ventilation?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 26: Copy of page:

|   |   |
|---|---|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q116: Housing - What is the light source?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 27: Copy of page:

|  |   |
|--|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q119: Housing - What is the time the lights are switched on and off?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q123: Housing - What is the bedding type?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q124: Housing - How has the bedding been pre-treated?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q125: Housing - What cage enrichment is provided?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q127: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q129: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

### PAGE 30

|  |   |
|--|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
| <b>Q137: Water - Is the water quality monitored?</b>                             | <i>Respondent skipped this question</i> |
| <b>Q138: Water- Is there a pre-treatment of the water?</b>                       | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q140: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <i>Respondent skipped this question</i> |
| <b>Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>   | <i>Respondent skipped this question</i> |

### PAGE 32: Copy of page:

|  |   |
|--|---|
| <b>Q149: Microbiological status - Which pathogens is your unit positive for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?</b> | <i>Respondent skipped this question</i> |

### PAGE 33: Copy of page:

|  |  |
|--|--|
| <p><b>Q151:</b> As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc</p>         | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q152:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q153:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?</p>  | <p><i>Respondent skipped this question</i></p> |

PAGE 34

|   |  |
|---|--|
| <p><b>Q154:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.</p> | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q155:</b> Housing - Is the temperature regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q156:</b> Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q157:</b> Housing - Is the relative humidity regulated?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q158:</b> Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q159:</b> Housing - How is ventilation managed?</p>   | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q160:</b> Housing - How many air changes per hour in the room?</p>  | <p><i>Respondent skipped this question</i></p> |
| <p><b>Q161:</b> Housing - Is there IVC ventilation?</p>   | <p><i>Respondent skipped this question</i></p> |

PAGE 35: Copy of page:

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

**PAGE 36: Copy of page:**

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 38: Copy of page:

|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q181: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 39

|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q184: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q185: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q186: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q187: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q189: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q190: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q191: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#7



**COMPLETE**

**Collector:** New Email Invitation (Email) **Started:** Thursday, March 27, 2014 6:33:42 AM  
**Last Modified:** Wednesday, April 09, 2014 2:30:48 AM  
**Time Spent:** Over a week  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @jax.org

**Q2: Which phenotyping center is data being submitted for?** J The Jackson Laboratory

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** JAX

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

JAX Pipeline JAX\_001

**Q5: Please specify the date from which this information applies.**

Start Date 06/01/2012

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** Yes

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

vialbility

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_VIA\_001  
IMPC\_ALZ\_001

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

Yes

PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

Start age week 0  
End age week 6

PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20  
Maximum 22

**Q14: Housing - Is the relative humidity regulated?**

Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 40  
Maximum 50

**Q16: Housing - How is ventilation managed?**

Negative

## Housing and husbandry V5.7

**Q17: Housing - How many air changes per hour in the room?**

|         |     |
|---------|-----|
| Minimum | 12  |
| Maximum | 12  |
| Units   | ach |

---

**Q18: Housing - Is there IVC ventilation?** No

**PAGE 5**

**Q19: Housing - How many air changes per hour in the IVC unit?** *Respondent skipped this question*

---

**Q20: Housing - What is the light source?** Florescent

---

**Q21: Housing - Can you quantify the light intensity range experienced?** Yes

**PAGE 6**

**Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.**

|         |      |
|---------|------|
| Minimum | 50   |
| Maximum | 1100 |

---

**Q23: Housing - What is the time the lights are switched on and off?**

Lights on 05:00 AM,

Lights off 07:00 PM

---

**Q24: Housing - What is the cage manufacturer and racking system used?** Thoren Duplex II Mouse Cage #11 & Thoren Maxi-Miser® PIV System

---

**Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 162 |
| Length (mm) | 308 |
| Width (mm)  | 308 |

---

**Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |    |
|---------|----|
| Minimum | 1  |
| Maximum | 10 |

---

**Q27: Housing - What is the bedding type?** Pine shavings

---

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Nestlets, Group housing,<br>Other (please specify) shepard shack           |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Weekly   |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During cage cleaning, Weekly (assessment)                                  |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Other,<br>Other (please specify)<br>LabDiet: JL Rat and mouse/Auto 6F 5K52 |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|   |    |
|---|----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.</b> |    |
| Carbohydrate  | 62 |
| Fat   | 16 |
| Protein   | 22 |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | No |

### PAGE 8

|  |   |
|--|---|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

### PAGE 9

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

|  |                          |
|--|--------------------------|
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum               |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes                      |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Acidification            |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum               |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle                   |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF                      |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Open-system              |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations            |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No                       |

PAGE 10

|   |  |
|---|--|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>  |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | <p>Serology - Ectromelia Virus,</p> <p>Serology - Hantaan Virus, Serology - K Virus,</p> <p>Serology - Lactic dehydrogenase elevating virus</p> <p>,</p> <p>Serology - Lymphocytic choriomeningitis (LCMV)</p> <p>,</p> <p>Serology - Minute Virus of Mice,</p> <p>Serology - Mouse adenovirus (MAV),</p> <p>Serology - Mouse Cytomegalovirus,</p> <p>Serology - Mouse Hepatitis Virus,</p> <p>Serology - Mouse Norovirus,</p> |

## Housing and husbandry V5.7

Serology - Mouse Parvovirus,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Pneumonia Virus of Mice ,  
Serology - Polyoma Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Sendai Virus,  
Serology - Theiler's murine encephalomyelitis virus  
,  
Parasitology – Intestinal protozoa,  
Parasitology - Arthropods,  
Bacteriology - Bordetella bronchiseptica,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Cornebacterium bovis,  
Bacteriology - Streptococcus species,  
Bacteriology - Streptobacillus moniliformis,  
Bacteriology - Staphylococci aureus,  
Bacteriology - Salmonella species,  
Bacteriology - Pseudomonas species,  
Bacteriology - Pneumocystis murina,  
Bacteriology - Pasteurella pneumotropica,  
Bacteriology - Mycoplasma pulmonis,  
Bacteriology - Klebsiella spp.other than K. pneumoniae  
,  
Bacteriology - Klebsiella species,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Helicobacter species,  
Bacteriology - Corynebacterium kutscheri,  
Other (please specify)  
Mouse thymic virus (MTV), CAR bacillus

---

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** Yes

PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?**

Helicobacter spp. , Proteus mirabilis

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** No

PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** *Respondent skipped this question*

PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

PAGE 16

**Q59: Please specify the date from which this information applies.** *Respondent skipped this question*

**Q60: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>  | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>                       | <i>Respondent skipped this question</i> |

|  |   |
|--|---|
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

**PAGE 19: Copy of page:**

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

**PAGE 20: Copy of page:**

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q87: Nutrition - Do you know the source of lipids?</b>   | <i>Respondent skipped this question</i> |

**PAGE 21**

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q90: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q91: Water - Is there a pre-treatment of the water?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q92: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q93: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q95: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q96: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q97: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 22: Copy of page:

|   |   |
|---|---|
| <b>Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q100: Microbiological status - Which pathogens are tested for?</b>   | <i>Respondent skipped this question</i> |
| <b>Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>  | <i>Respondent skipped this question</i> |

### PAGE 23: Copy of page:

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** Production

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_BWT\_001  
IMPC\_FER\_001

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** Yes

PAGE 25

**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

Start age week 0  
End age week 6

**Q108: Housing - Is the temperature regulated?** Yes

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20  
Maximum 22

**Q110: Housing - Is the relative humidity regulated?** Yes

## Housing and husbandry V5.7

**Q111: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 40 |
| Maximum | 50 |

---

**Q112: Housing - How is ventilation managed?** Positive

---

**Q113: Housing - How many air changes per hour in the room?**

|         |     |
|---------|-----|
| Minimum | 12  |
| Maximum | 12  |
| Units   | ach |

---

**Q114: Housing - Is there IVC ventilation?** Yes

---

**PAGE 26: Copy of page:**

**Q115: Housing - How many air changes per hour in the IVC unit?**

|         |     |
|---------|-----|
| Minimum | 60  |
| Maximum | 60  |
| Units   | ach |

---

**Q116: Housing - What is the light source?** Florescent

---

**Q117: Housing - Can you quantify the light intensity range experienced?** Yes

---

**PAGE 27: Copy of page:**

**Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.**

|         |      |
|---------|------|
| Minimum | 50   |
| Maximum | 1100 |

---

**Q119: Housing - What is the time the lights are switched on and off?**

Lights on 06:00 AM,

Lights off 06:00 PM

---

**Q120: Housing - What is the cage manufacturer and racking system used?** Thoren Duplex II Mouse Cage #11 & Thoren Maxi-Miser® PIV System

---

## Housing and husbandry V5.7

**Q121: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 162 |
| Length (mm) | 308 |
| Width (mm)  | 308 |

---

**Q122: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

---

**Q123: Housing - What is the bedding type?** Pine shavings

---

**Q124: Housing - How has the bedding been pre-treated?** Autoclaved

---

**Q125: Housing - What cage enrichment is provided?** None, Group housing

---

**Q126: Housing - What is the frequency of cage cleaning?** Weekly

---

**Q127: Housing - What is the frequency of handling?** During cage cleaning, Weekly (assessment)

---

**Q128: Nutrition - What is the supplier and product ID of the diet?** Other,  
Other (please specify)  
LabDiet: JL Rat and mouse/Auto 6F 5K52

---

**Q129: Nutrition - What is the diet type?** Natural-ingredient

---

**Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

---

**PAGE 28: Copy of page:**

**Q131: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 62 |
| Fat          | 16 |
| Protein      | 22 |

---

**Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** No

---

**PAGE 29: Copy of page:**

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

PAGE 30

|   |   |
|---|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                              |
| <b>Q137: Water - Is the water quality monitored?</b>  | Yes                                     |
| <b>Q138: Water- Is there a pre-treatment of the water?</b>  | Acidification                           |
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                              |
| <b>Q140: Water - How is the water supplied?</b>   | Bottle                                  |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF                                     |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks      |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals                |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | Rederivations                           |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | No                                      |

PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>   |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | Bacteriology - Streptobacillus moniliformis,<br>Bacteriology - Staphylococci species, |

## Housing and husbandry V5.7

Bacteriology - Staphylococci aureus,  
Bacteriology - Salmonella species,  
Bacteriology - Pseudomonas species,  
Bacteriology - Proteus species,  
Bacteriology - Pneumocystis murina,  
Bacteriology - Pasteurella pneumotropica,  
Bacteriology - Mycoplasma pulmonis,  
Bacteriology - Klebsiella species,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Helicobacter species,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Cornebacterium bovis,  
Bacteriology - Clostridium piliforme,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Bordetella bronchiseptica,  
Parasitology - Arthropods,  
Parasitology – Intestinal protozoa,  
Serology - Theiler's murine  
encephalomyelitis virus  
,  
Serology - Sendai Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Polyoma Virus,  
Serology - Pneumonia Virus of Mice ,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mouse Parvovirus,  
Serology - Mouse Norovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Cytomegalovirus,  
Serology - Mouse adenovirus (MAV),  
Serology - Minute Virus of Mice,  
Serology - Lymphocytic  
choriomeningitis (LCMV)  
,  
Serology - Lactic dehydrogenase elevating

## Housing and husbandry V5.7

virus

,

Serology - K Virus, Serology - Hantaan Virus,

Serology - Ectromelia Virus,

Other (please specify)

Mouse thymic virus (MT), CAR bacillus

---

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

PAGE 32: Copy of page:

---

**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

---

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** No

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---

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc**

lacZ, weeks 8-14 phenotyping

**Q152: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_ELZ\_001  
 IMPC\_BWT\_001  
 IMPC\_CSD\_002  
 JAX\_HBD\_001  
 IMPC\_OFD\_001  
 JAX\_LDT\_001  
 IMPC\_ACS\_001  
 IMPC\_ACS\_003  
 IMPC\_ACS\_002  
 JAX\_TLS\_001  
 JAX\_ROT\_001  
 IMPC\_ECG\_001  
 IMPC\_IPG\_001  
 JAX\_PLC\_001  
 IMPC\_XRY\_001  
 IMPC\_EYE\_001  
 IMPC\_CSD\_001  
 IMPC\_GRS\_001  
 IMPC\_DXA\_001

**Q153: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** Yes

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**Q154: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

Start age 6  
 End age 14

**Q155: Housing - Is the temperature regulated?** Yes

**Q156: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.**

Minimum 20  
 Maximum 22

**Q157: Housing - Is the relative humidity regulated?** Yes

**Q158: Housing - What is the relative humidity range experienced? (Units: %) Please round the answers to the nearest whole number.**

Minimum 40  
 Maximum 50

Positive

**Q159: Housing - How is ventilation managed?**

**Q160: Housing - How many air changes per hour in the room?**

|         |     |
|---------|-----|
| Minimum | 12  |
| Maximum | 12  |
| Units   | ach |

**Q161: Housing - Is there IVC ventilation?** Yes

PAGE 35: Copy of page:

**Q162: Housing - How many air changes per hour in the IVC unit?**

|         |     |
|---------|-----|
| Minimum | 60  |
| Maximum | 60  |
| Units   | ach |

**Q163: Housing - What is the light source?** Florescent

**Q164: Housing - Can you quantify the light intensity range experienced?** Yes

PAGE 36: Copy of page:

**Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.**

|         |      |
|---------|------|
| Minimum | 50   |
| Maximum | 1100 |

**Q166: Housing - What is the time the lights are switched on and off?**

Lights on 06:00 AM,

Lights off 06:00 PM

**Q167: Housing - What is the cage manufacturer and racking system used?** Thoren Duplex II Mouse Cage #11 & Thoren Maxi-Miser® PIV System

**Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 162 |
| Length (mm) | 308 |
| Width (mm)  | 308 |

## Housing and husbandry V5.7

**Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

**Q170: Housing - What is the bedding type?** Pine shavings

**Q171: Housing - How has the bedding been pre-treated?** Autoclaved

**Q172: Housing - What cage enrichment is provided?** Group housing, None

**Q173: Housing - What is the frequency of cage cleaning?** Weekly

**Q174: Housing - What is the frequency of handling?** During phenotyping procedures,  
During cage cleaning, Weekly (assessment)

**Q175: Nutrition - What is the supplier and product ID of the diet?** Other,  
Other (please specify)  
LabDiet: JL Rat and mouse/Auto 6F 5K52

**Q176: Nutrition - What is the diet type?** Natural-ingredient

**Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

**PAGE 37: Copy of page:**

**Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 62 |
| Fat          | 16 |
| Protein      | 22 |

**Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** No

**PAGE 38: Copy of page:**

|  |  |
|--|--|
| <p><b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b></p> | <p><i>Respondent skipped this question</i></p> |
|--|--|

## Housing and husbandry V5.7

**Q181: Nutrition - Do you know the source of lipids?**

*Respondent skipped this question*

### PAGE 39

**Q182: Nutrition - What is the source(s) of lipids?**

*Respondent skipped this question*

**Q183: Nutrition - What is the feeding regime (excluding fasting periods)?**

Ad libitum

**Q184: Water - Is the water quality monitored?**

Yes

**Q185: Water- Is there a pre-treatment of the water?**

Acidification

**Q186: Water - What is the water schedule (quantity)?**

Ad libitum

**Q187: Water - How is the water supplied?**

Bottle

**Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?**

SPF

**Q189: Microbiological status - What method is used to protect the status?**

Individually ventilated cage racks

**Q190: Microbiological status - What is the closed barrier detail?**

No external live animals

**Q191: Microbiological status - What quarantine method is employed?**

Rederivations

**Q192: Microbiological status - Are live animals allowed to join the unit?**

No

### PAGE 40: Copy of page:

**Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?**

*Respondent skipped this question*

**Q194: Microbiological status - Which pathogens are tested for?**

Bacteriology - Streptobacillus moniliformis,  
 Bacteriology - Staphylococci species (not aureus),  
 ,  
 Bacteriology - Staphylococci aureus,  
 Bacteriology - Salmonella species,  
 Bacteriology - Pseudomonas species,

## Housing and husbandry V5.7

Bacteriology - Proteus species,  
Bacteriology - Pneumocystis murina,  
Bacteriology - Pasteurellaceae,  
Bacteriology - Mycoplasma pulmonis,  
Bacteriology - Klebsiella spp.other than  
K. pneumoniae  
,  
Bacteriology - Klebsiella pneumoniae,  
Bacteriology - Helicobacter bilis,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Cornebacterium bovis,  
Bacteriology - Clostridium pilliforme,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Bordetella bronchiseptica,  
Parasitology - Arthropods,  
Parasitology – Intestinal protozoa,  
Serology - Theiler's murine  
encephalomyelitis virus  
,  
Serology - Sendai Virus,  
Serology - Reovirus Type III (Reo 3),  
Serology - Polyoma Virus,  
Serology - Pneumonia Virus of Mice ,  
Serology - Mouse Rotavirus (EDIM),  
Serology - Mouse Parvovirus,  
Serology - Mouse Norovirus,  
Serology - Mouse Hepatitis Virus,  
Serology - Mouse Cytomegalovirus,  
Serology - Mouse adenovirus (MAV),  
Serology - Minute Virus of Mice,  
Serology - Lymphocytic  
choriomeningitis (LCMV)  
,  
Serology - Lactic dehydrogenase  
elevating virus  
,

## Housing and husbandry V5.7

Serology - K Virus, Serology - Hantaan Virus,

Serology - Ectromelia Virus,

Other (please specify)

Mouse thymic virus (MT), CAR Bacillus

Yes

**Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?**

**PAGE 41: Copy of page:**

**Q196: Microbiological status - Which pathogens is your unit positive for?**

Proteus mirabilis

#8



**COMPLETE**

**Collector:** IMPC housing a...ta collection (Email)  
**Started:** Tuesday, February 25, 2014 12:56:06 AM  
**Last Modified:** Tuesday, September 23, 2014 7:10:20 AM  
**Time Spent:** Over a month  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX@sanger.ac.uk

**Q2: Which phenotyping center is data being submitted for?** WTSI Wellcome Trust Sanger Institute

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** MGP

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

MGP\_001 MGP Select

**Q5: Please specify the date from which this information applies.**

Start Date 12/12/2011

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** No

PAGE 2

**Q8:** As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.

*Respondent skipped this question*

**Q9:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q10:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

PAGE 3

**Q11:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

PAGE 4

|   |          |
|---|----------|
|   | Yes      |
| <b>Q12: Housing - Is the temperature regulated?</b>   |          |
| <b>Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.</b> |          |
| Minimum   | 19       |
| Maximum   | 23       |
| <b>Q14: Housing - Is the relative humidity regulated?</b>   | Yes      |
| <b>Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.</b>        |          |
| Minimum   | 45       |
| Maximum   | 65       |
| <b>Q16: Housing - How is ventilation managed?</b>   | Negative |

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |                      |
|---------|----------------------|
| Minimum | 16                   |
| Maximum | 24                   |
| Units   | air changes per hour |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |                      |
|---------|----------------------|
| Minimum | 60                   |
| Maximum | 60                   |
| Units   | air changes per hour |

Q20: Housing - What is the light source? Florescent

Q21: Housing - Can you quantify the light intensity range experienced? No

## PAGE 6

Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number. *Respondent skipped this question*

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 07:30 AM,

Lights off 07:30 PM

Q24: Housing - What is the cage manufacturer and racking system used? Techniplast: Sealsafe

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |     |
|-------------|-----|
| Height (mm) | 140 |
| Length (mm) | 365 |
| Width (mm)  | 207 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 3 |
| Maximum | 5 |

Q27: Housing - What is the bedding type? Aspen shavings

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Group housing, Nestlets, Fun tunnel,<br>Wooden chew blocks |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Biweekly   |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During cage cleaning,<br>During phenotyping procedures     |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | LabDiet: 5021-3  |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|  |     |
|--|-----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 35  |
| Fat  | 9   |
| Protein  | 20  |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | Yes |

### PAGE 8

|   |     |
|---|-----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 55  |
| Fat   | 21  |
| Protein   | 23  |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>   | Yes |

### PAGE 9

|  |  |
|--|--|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Animal   |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                                     |
| <b>Q41: Water - Is the water quality monitored?</b>  | No   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Autoclaved, Chlorination, Filter sterilisation |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                                     |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle   |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF  |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks             |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals                       |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations                                  |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No   |

PAGE 10

|   |   |
|---|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>   |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Serology - Clostridium piliforme,<br>Serology - Encephalitozoon cuniculi,<br>Serology - Epizootic Diarrhoea of Infant Mice,<br>Serology - Hantaan Virus, Serology - K Virus,<br>Serology - Lactic dehydrogenase elevating virus<br>,<br>Serology - Lymphocytic choriomeningitis (LCMV)<br>,<br>Serology - Minute Virus of Mice, |

## Housing and husbandry V5.7

Serology - Mouse Adenovirus type 2  
(MAd K87)

Serology - Mouse Adenovirus type 1 (MAd FL),

Serology - Mouse Cytomegalovirus,

Serology - Mouse Hepatitis Virus,

Serology - Mouse Norovirus,

Serology - Mouse Parvovirus,

Serology - Mouse Rotavirus (EDIM),

Serology - Mycoplasma pulmonis,

Serology - Pneumonia Virus of Mice ,

Serology - Polyoma Virus,

Serology - Reovirus Type III (Reo 3),

Serology - Sendai Virus,

Parasitology – Intestinal protozoa,

Parasitology - Arthropods,

Parasitology - FAECAL OVA,

Parasitology - Helminths,

Bacteriology - B-haemolytic Streptococci,

Bacteriology - Bordetella bronchiseptica,

Bacteriology - Citrobacter rodentium,

Bacteriology - Corynebacterium kutscheri,

Bacteriology - Helicobacter bilis,

Bacteriology - Helicobacter hepaticus,

Bacteriology - Helicobacter species,

Bacteriology - Klebsiella species,

Bacteriology - Pasteurella pneumotropica,

Bacteriology - Pasteurellaceae,

Bacteriology - Pseudomonas aeruginosa,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Streptococcus pneumoniae,

Bacteriology - Yersinia species,

## Housing and husbandry V5.7

Necropsy - External Lesions/Abnormalities,  
Necropsy - Internal Lesions/Abnormalities,  
Other (please specify)  
GDVII TMEV MTV CARB ECUN PHV Giardia  
Spirochete Trichomonas Tetratrichomonas  
Entamoeba Enteromonas Chilomastix Syphacia  
obvelata Aspicularis tetraptera

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

### PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** Yes

### PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** Yes

### PAGE 13

**Q56: Is the difference arising for pipelines or projects?** Pipeline

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

### PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.**

M-G-P\_001 Mouse GP

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**Q59: Please specify the date from which this information applies.**

Start Date 01/01/2009

|   |   |
|---|---|
| <b>Q60: If known, please specify the end date for which this information applies.</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |     |
|---|-----|
| <b>Q61: Housing - Is the temperature regulated?</b> | Yes |
|---|-----|

**Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 19 |
| Maximum | 23 |

|   |     |
|---|-----|
| <b>Q63: Housing - Is the relative humidity regulated?</b> | Yes |
|---|-----|

**Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 45 |
| Maximum | 65 |

|   |          |
|---|----------|
| <b>Q65: Housing - How is ventilation managed?</b> | Negative |
|---|----------|

**Q66: Housing - How many air changes per hour in the room?**

|         |                      |
|---------|----------------------|
| Minimum | 16                   |
| Maximum | 24                   |
| Units   | air changes per hour |

|   |     |
|---|-----|
| <b>Q67: Housing - Is there IVC ventilation?</b> | Yes |
|---|-----|

PAGE 17: Copy of page:

**Q68: Housing - How many air changes per hour in the IVC unit?**

|         |                      |
|---------|----------------------|
| Minimum | 60                   |
| Maximum | 60                   |
| Units   | air changes per hour |

|   |            |
|---|------------|
| <b>Q69: Housing - What is the light source?</b> | Florescent |
|---|------------|

|   |    |
|---|----|
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | No |
|---|----|

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**Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.** *Respondent skipped this question*

**Q72: Housing - What is the time the lights are switched on and off?**

Lights on 07:30 AM,

Lights off 07:30 PM

Techniplast: Sealsafe

**Q73: Housing - What is the cage manufacturer and racking system used?**

**Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 140 |
| Length (mm) | 365 |
| Width (mm)  | 207 |

**Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 3 |
| Maximum | 5 |

**Q76: Housing - What is the bedding type?** Aspen shavings

**Q77: Housing - How has the bedding been pre-treated?** Autoclaved

**Q78: Housing - What cage enrichment is provided?** Group housing, Nestlets, Fun tunnel,  
Wooden chew blocks

**Q79: Housing - What is the frequency of cage cleaning?** Biweekly

**Q80: Housing - What is the frequency of handling?** During cage cleaning,  
During phenotyping procedures

**Q81: Nutrition - What is the supplier and product ID of the diet?** Special Diets Services: Western RD (P)  
– 829100

**Q82: Nutrition - What is the diet type?** Natural-ingredient

**Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

**Q84: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 50 |
| Fat          | 21 |
| Protein      | 18 |

**Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** Yes

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**Q86: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 43 |
| Fat          | 42 |
| Protein      | 15 |

**Q87: Nutrition - Do you know the source of lipids?** Yes

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**Q88: Nutrition - What is the source(s) of lipids?** Vegetable, Animal

**Q89: Nutrition - What is the feeding regime (excluding fasting periods)?** Ad libitum

**Q90: Water - Is the water quality monitored?** No

**Q91: Water - Is there a pre-treatment of the water?** Autoclaved, Chlorination, Filter sterilisation

**Q92: Water - What is the water schedule (quantity)?** Ad libitum

**Q93: Water - How is the water supplied?** Bottle

**Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** SPF

**Q95: Microbiological status - What method is used to protect the status?** Individually ventilated cage racks

**Q96: Microbiological status - What is the closed barrier detail?** No external live animals

**Q97: Microbiological status - What quarantine method is employed?** Rederivations

**Q98: Microbiological status - Are live animals allowed to join the unit?** No

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**Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q100: Microbiological status - Which pathogens are tested for?**

Serology - Clostridium piliforme,  
 Serology - Encephalitozoon cuniculi,  
 Serology - Epizootic Diarrhoea of Infant Mice,  
 Serology - Hantaan Virus, Serology - K Virus,  
 Serology - Lactic dehydrogenase elevating virus  
 ,  
 Serology - Lymphocytic choriomeningitis (LCMV)  
 ,  
 Serology - Minute Virus of Mice,  
 Serology - Mouse Adenovirus type 2 (MAd K87)  
 ,  
 Serology - Mouse Adenovirus type 1 (MAd FL), Serology - Mouse Cytomegalovirus,  
 Serology - Mouse Hepatitis Virus,  
 Serology - Mouse Norovirus, Serology - Mouse Parvovirus, Serology - Mouse Rotavirus (EDIM), Serology - Mycoplasma pulmonis, Serology - Pneumonia Virus of Mice , Serology - Polyoma Virus,  
 Serology - Sendai Virus,  
 Parasitology – Intestinal protozoa,  
 Parasitology - Arthropods,  
 Parasitology - FAECAL OVA,  
 Parasitology - Helminths,  
 Bacteriology - B-haemolytic Streptococci,

## Housing and husbandry V5.7

Bacteriology - Bordetella bronchiseptica,  
Bacteriology - Citrobacter rodentium,  
Bacteriology - Corynebacterium kutscheri,  
Bacteriology - Helicobacter bilis,  
Bacteriology - Helicobacter hepaticus,  
Bacteriology - Helicobacter species,  
Bacteriology - Pasteurella pneumotropica,  
Bacteriology - Pasteurellaceae,  
Bacteriology - Pseudomonas aeruginosa,  
Bacteriology - Salmonella species,  
Bacteriology - Staphylococci aureus,  
Bacteriology - Streptobacillus moniliformis,  
Bacteriology - Streptococcus pneumoniae,  
Bacteriology - Yersinia species,  
Necropsy - External Lesions/Abnormalities,  
Necropsy - Internal Lesions/Abnormalities,  
Other (please specify)  
GDVii TMEV MTV CARB ECUN PHV Giardia  
Spironucleus Trichomonas Tetratrichomonas  
Entamoeba Enteromonas Chilomastix Syphacia  
obvelata Aspiculuris tetraptera

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

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**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

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## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q104:</b> As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to.Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13 | <i>Respondent skipped this question</i> |
| <b>Q105:</b> Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s).Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.             | <i>Respondent skipped this question</i> |
| <b>Q106:</b> Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?   | <i>Respondent skipped this question</i> |

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|  |   |
|--|---|
| <b>Q107:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4. | <i>Respondent skipped this question</i> |
| <b>Q108:</b> Housing - Is the temperature regulated?   | <i>Respondent skipped this question</i> |
| <b>Q109:</b> Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.  | <i>Respondent skipped this question</i> |
| <b>Q110:</b> Housing - Is the relative humidity regulated?   | <i>Respondent skipped this question</i> |
| <b>Q111:</b> Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.   | <i>Respondent skipped this question</i> |
| <b>Q112:</b> Housing - How is ventilation managed?   | <i>Respondent skipped this question</i> |
| <b>Q113:</b> Housing - How many air changes per hour in the room?  | <i>Respondent skipped this question</i> |
| <b>Q114:</b> Housing - Is there IVC ventilation?   | <i>Respondent skipped this question</i> |

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## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q116: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

**PAGE 27: Copy of page:**

|   |   |
|---|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q119: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q123: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q124: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q125: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q127: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q129: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q134: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

### PAGE 30

|   |   |
|---|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q137: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q138: Water- Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q139: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q140: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q142: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

**Q143: Microbiological status - What is the closed barrier detail?** *Respondent skipped this question*

---

**Q144: Microbiological status - What quarantine method is employed?** *Respondent skipped this question*

---

**Q145: Microbiological status - Are live animals allowed to join the unit?** *Respondent skipped this question*

### PAGE 31: Copy of page:

**Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.** *Respondent skipped this question*

---

**Q147: Microbiological status - Which pathogens are tested for?** *Respondent skipped this question*

---

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

### PAGE 32: Copy of page:

**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

---

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** *Respondent skipped this question*

### PAGE 33: Copy of page:

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc** *Respondent skipped this question*

---

**Q152: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

---

## Housing and husbandry V5.7

**Q153: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

*Respondent skipped this question*

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**Q154: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

**Q155: Housing - Is the temperature regulated?**

*Respondent skipped this question*

**Q156: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q157: Housing - Is the relative humidity regulated?**

*Respondent skipped this question*

**Q158: Housing - What is the relative humidity range experienced? (Units: %)Please round the answers to the nearest whole number.**

*Respondent skipped this question*

**Q159: Housing - How is ventilation managed?**

*Respondent skipped this question*

**Q160: Housing - How many air changes per hour in the room?**

*Respondent skipped this question*

**Q161: Housing - Is there IVC ventilation?**

*Respondent skipped this question*

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**Q162: Housing - How many air changes per hour in the IVC unit?**

*Respondent skipped this question*

**Q163: Housing - What is the light source?**

*Respondent skipped this question*

**Q164: Housing - Can you quantify the light intensity range experienced?**

*Respondent skipped this question*

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## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | <i>Respondent skipped this question</i> |

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|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q181: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

PAGE 39

|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q184: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q185: Water- Is there a pre-treatment of the water?</b>  | <i>Respondent skipped this question</i> |
| <b>Q186: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q187: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q189: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q190: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q191: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

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## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q194: Microbiological status - Which pathogens are tested for?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b> | <i>Respondent skipped this question</i> |
|--|---|

**PAGE 41: Copy of page:**

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#9

**COMPLETE****Collector:** IMPC housing a... ta collection (Email)**Started:** Wednesday, March 05, 2014 2:06:03 AM**Last Modified:** Tuesday, September 23, 2014 7:11:48 AM**Time Spent:** Over a month**Email:****IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name

XXXXX

Email

XXXXX @brc.riken.jp

**Q2: Which phenotyping center is data being submitted for?**

RBRC RIKEN Tsukuba Institute, BioResource Center

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to? If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

RIKEN BRC

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines. If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

IMPC\_001

**Q5: Please specify the date from which this information applies.**

Start Date 01/01/2012

**Q6: If known, please specify the end date for which this information applies.***Respondent skipped this question***Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).**

Yes

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

Adult screens

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_BWT\_001,  
 IMPC\_FER\_001,  
 IMPC\_ALZ\_001,  
 IMPC\_CSD\_002,  
 IMPC\_OFD\_001,  
 IMPC\_GRS\_001,  
 IMPC\_ACS\_002,  
 IMPC\_CAL\_002,  
 IMPC\_ECG\_001,  
 IMPC\_IPG\_001,  
 IMPC\_CHL\_001,  
 IMPC\_ABR\_001,  
 IMPC\_ABR\_002,  
 IMPC\_DXA\_001,  
 IMPC\_XRY\_001,  
 IMPC\_EYE\_001,  
 IMPC\_IMM\_001,  
 IMPC\_HEM\_002,  
 IMPC\_CBC\_002,  
 IMPC\_INS\_002,  
 IMPC\_PAT\_001,  
 IMPC\_HWT\_001,  
 IMPC\_HIS\_001

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

No

## PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

## PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

## Housing and husbandry V5.7

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 21 |
| Maximum | 25 |

---

**Q14: Housing - Is the relative humidity regulated?** Yes

---

**Q15: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 40 |
| Maximum | 70 |

---

**Q16: Housing - How is ventilation managed?** Positive

---

**Q17: Housing - How many air changes per hour in the room?**

|         |                |
|---------|----------------|
| Minimum | 11             |
| Maximum | 9              |
| Units   | times per hour |

---

**Q18: Housing - Is there IVC ventilation?** No

### PAGE 5

|  |   |
|--|---|
| <b>Q19: Housing - How many air changes per hour in the IVC unit?</b> | <i>Respondent skipped this question</i> |
|--|---|

---

|   |            |
|---|------------|
| <b>Q20: Housing - What is the light source?</b> | Florescent |
|---|------------|

---

|   |    |
|---|----|
| <b>Q21: Housing - Can you quantify the light intensity range experienced?</b> | No |
|---|----|

### PAGE 6

|   |   |
|---|---|
| <b>Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

---

**Q23: Housing - What is the time the lights are switched on and off?**

Lights on 08:00 AM,

Lights off 08:00 PM

---

|  |  |
|--|--|
| <b>Q24: Housing - What is the cage manufacturer and racking system used?</b> | CLEA Japan: Hi-TPX cage, laminar flow rack system. |
|--|--|

## Housing and husbandry V5.7

**Q25: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 148 |
| Length (mm) | 245 |
| Width (mm)  | 155 |

**Q26: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 2 |

**Q27: Housing - What is the bedding type?** Paper

**Q28: Housing - How has the bedding been pre-treated?** Irradiated

**Q29: Housing - What cage enrichment is provided?** None

**Q30: Housing - What is the frequency of cage cleaning?** Weekly

**Q31: Housing - What is the frequency of handling?** During cage cleaning,  
During phenotyping procedures

**Q32: Nutrition - What is the supplier and product ID of the diet?** CLEA Japan: CE-2

**Q33: Nutrition - What is the diet type?** Natural-ingredient

**Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

PAGE 7

**Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 51 |
| Fat          | 5  |
| Protein      | 25 |

**Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** Yes

PAGE 8

**Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 59 |
| Fat          | 12 |
| Protein      | 29 |

**Q38: Nutrition - Do you know the source of lipids?** Yes

## PAGE 9

**Q39: Nutrition - What is the source(s) of lipids?** Vegetable

**Q40: Nutrition - What is the feeding regime (excluding fasting periods)?** Ad libitum

**Q41: Water - Is the water quality monitored?** No

**Q42: Water- Is there a pre-treatment of the water?** Filter sterilisation

**Q43: Water - What is the water schedule (quantity)?** Ad libitum

**Q44: Water - How is the water supplied?** Bottle

**Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?** SPF

**Q46: Microbiological status - What method is used to protect the status?** Open-system

**Q47: Microbiological status - What is the closed barrier detail?** Selected commercial sources & rederivation or embryo transfer

**Q48: Microbiological status - What quarantine method is employed?** None

**Q49: Microbiological status - Are live animals allowed to join the unit?** No

## PAGE 10

**Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q51: Microbiological status - which pathogens are tested for?**

Serology - Clostridium piliforme,  
 Serology - Ectromelia Virus,  
 Serology - Lymphocytic choriomeningitis (LCMV),  
 ,  
 Serology - Mouse Hepatitis Virus, Serology - Mycoplasma pulmonis, Parasitology – Intestinal protozoa, Parasitology - Ectoparasites, Parasitology - Endoparasites, Bacteriology - Citrobacter rodentium, Bacteriology - Corynebacterium kutscheri, Bacteriology - Mycoplasma pulmonis, Bacteriology - Pasteurella pneumotropica, Bacteriology - Salmonella species,  
 Necropsy - External Lesions/Abnormalities,  
 Necropsy - Internal Lesions/Abnormalities

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?**

No

PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?**

*Respondent skipped this question*

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?**

No

PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?**

*Respondent skipped this question*

PAGE 13

## Housing and husbandry V5.7

**Q56: Is the difference arising for pipelines or projects?**

*Respondent skipped this question*

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?**

*Respondent skipped this question*

### PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.**

*Respondent skipped this question*

### PAGE 16

**Q59: Please specify the date from which this information applies.**

*Respondent skipped this question*

**Q60: If known, please specify the end date for which this information applies.**

*Respondent skipped this question*

**Q61: Housing - Is the temperature regulated?**

*Respondent skipped this question*

**Q62: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q63: Housing - Is the relative humidity regulated?**

*Respondent skipped this question*

**Q64: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q65: Housing - How is ventilation managed?**

*Respondent skipped this question*

**Q66: Housing - How many air changes per hour in the room?**

*Respondent skipped this question*

**Q67: Housing - Is there IVC ventilation?**

*Respondent skipped this question*

PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

PAGE 18: Copy of page:

|  |   |
|--|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

**Q82: Nutrition - What is the diet type?**

*Respondent skipped this question*

**Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?**

*Respondent skipped this question*

### PAGE 19: Copy of page:

**Q84: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?**

*Respondent skipped this question*

### PAGE 20: Copy of page:

**Q86: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q87: Nutrition - Do you know the source of lipids?**

*Respondent skipped this question*

### PAGE 21

**Q88: Nutrition - What is the source(s) of lipids?**

*Respondent skipped this question*

**Q89: Nutrition - What is the feeding regime (excluding fasting periods)?**

*Respondent skipped this question*

**Q90: Water - Is the water quality monitored?**

*Respondent skipped this question*

**Q91: Water - Is there a pre-treatment of the water?**

*Respondent skipped this question*

**Q92: Water - What is the water schedule (quantity)?**

*Respondent skipped this question*

**Q93: Water - How is the water supplied?**

*Respondent skipped this question*

**Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?**

*Respondent skipped this question*

## Housing and husbandry V5.7

**Q95: Microbiological status - What method is used to protect the status?** *Respondent skipped this question*

---

**Q96: Microbiological status - What is the closed barrier detail?** *Respondent skipped this question*

---

**Q97: Microbiological status - What quarantine method is employed?** *Respondent skipped this question*

---

**Q98: Microbiological status - Are live animals allowed to join the unit?** *Respondent skipped this question*

### PAGE 22: Copy of page:

**Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.** *Respondent skipped this question*

---

**Q100: Microbiological status - Which pathogens are tested for?** *Respondent skipped this question*

---

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

### PAGE 23: Copy of page:

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

---

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** Embryonic screens

---

## Housing and husbandry V5.7

**Q105:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

IMPC\_ELZ\_001

**Q106:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline? No

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**Q107:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

**Q108:** Housing - Is the temperature regulated? Yes

**Q109:** Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.

Minimum 22  
Maximum 26

**Q110:** Housing - Is the relative humidity regulated? Yes

**Q111:** Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.

Minimum 45  
Maximum 65

**Q112:** Housing - How is ventilation managed? Positive

**Q113:** Housing - How many air changes per hour in the room?

Minimum 23  
Maximum 23  
Units times per hour

**Q114:** Housing - Is there IVC ventilation? Yes

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|  |            |
|--|------------|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b>          |            |
| Minimum  | 80         |
| Maximum  | 80         |
| Units  | per hour   |
| <b>Q116: Housing - What is the light source?</b>                               |            |
|  | Florescent |
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> |            |
|  | No         |

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|   |   |
|---|---|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  |   |
|   | <i>Respondent skipped this question</i>                     |
| <b>Q119: Housing - What is the time the lights are switched on and off?</b>   |   |
| Lights on   | 08:00 AM,   |
| Lights off  | 08:00 PM  |
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b>   |   |
|   | Other,<br>Other (please specify)<br>CLEA Japan: R cage, IVC |
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  |   |
| Height (mm)   | 170   |
| Length (mm)   | 450   |
| Width (mm)  | 200   |
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> |   |
| Minimum   | 1   |
| Maximum   | 8   |
| <b>Q123: Housing - What is the bedding type?</b>  |   |
|   | Paper   |
| <b>Q124: Housing - How has the bedding been pre-treated?</b>  |   |
|   | Autoclaved  |
| <b>Q125: Housing - What cage enrichment is provided?</b>  |   |
|   | Nestlets, Nest packs  |
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>  |   |
|   | Biweekly  |

## Housing and husbandry V5.7

**Q127: Housing - What is the frequency of handling?** Weekly (assessment), During cage cleaning

**Q128: Nutrition - What is the supplier and product ID of the diet?** CLEA Japan: CE-2

**Q129: Nutrition - What is the diet type?** Natural-ingredient

**Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

### PAGE 28: Copy of page:

**Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 51 |
| Fat          | 5  |
| Protein      | 45 |

**Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** Yes

### PAGE 29: Copy of page:

**Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 59 |
| Fat          | 12 |
| Protein      | 29 |

**Q134: Nutrition - Do you know the source of lipids?** Yes

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**Q135: Nutrition - What is the source(s) of lipids?** Vegetable

**Q136: Nutrition - What is the feeding regime (excluding fasting periods)?** Ad libitum

**Q137: Water - Is the water quality monitored?** No

**Q138: Water- Is there a pre-treatment of the water?** RO, Autoclaved

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum  |
| <b>Q140: Water - How is the water supplied?</b>   | Bottle  |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF   |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks                            |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources & rederivation or embryo transfer |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | None  |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | No  |

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|  |  |
|--|--|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>  |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | <p>Serology - Clostridium piliforme,<br/> Serology - Ectromelia Virus,<br/> Serology - Hantaan Virus,<br/> Serology - Mouse Adenovirus type 1 (MAd FL), Serology - Mycoplasma pulmonis,<br/> Serology - Sendai Virus, Parasitology –<br/> Intestinal protozoa, Parasitology -<br/> Ectoparasites, Parasitology -<br/> Endoparasites, Parasitology -<br/> Helminths, Bacteriology - Actinobacillus species,<br/> Bacteriology - B-haemolytic Streptococci,<br/> Bacteriology - Bordetella bronchiseptica,<br/> Bacteriology - Citrobacter rodentium,<br/> Bacteriology - Corynebacterium kutscheri,</p> |

## Housing and husbandry V5.7

Bacteriology - Enterobacter species,

Bacteriology - Escherichia coli,

Bacteriology - Haemophilus species,

Bacteriology - Klebsiella oxytoca,

Bacteriology - Klebsiella pneumoniae,

Bacteriology - Klebsiella species,

Bacteriology - Klebsiella spp.other than  
K. pneumoniae

,

Bacteriology - Mycoplasma pulmonis,

Bacteriology - Mycoplasma species,

Bacteriology - Pasteurella multocida,

Bacteriology - Pasteurella species  
(not multocida or pneumotropica)

,

Bacteriology - Pasteurellaceae,

Bacteriology - Proteus species,

Bacteriology - Pseudomonas aeruginosa,

Bacteriology - Pseudomonas species,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

Bacteriology - Staphylococci species,

Bacteriology - Staphylococci species  
(not aureus)

,

Bacteriology - Staphylococci xylosum,

Bacteriology - Streptococcus Alpha-haemolytic

,

Bacteriology - Streptococcus Beta-  
haemolytic (group D)

,

Bacteriology - Streptococcus Beta-  
haemolytic (not group D)

,

Bacteriology - Streptococcus pneumoniae,

Bacteriology - Streptococcus species,

Necropsy - External Lesions/Abnormalities,

Necropsy - Internal Lesions/Abnormalities

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

PAGE 32: Copy of page:

**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** Yes

PAGE 33: Copy of page:

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc** *Respondent skipped this question*

**Q152: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

**Q153: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** *Respondent skipped this question*

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**Q154: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.** *Respondent skipped this question*

**Q155: Housing - Is the temperature regulated?** *Respondent skipped this question*

**Q156: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q157: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q158: Housing - What is the relative humidity range experienced? (Units: %)Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q159: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q160: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q161: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 35: Copy of page:

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 36: Copy of page:

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q171: Housing - How has the bedding been pre-treated?</b>                                | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>                                    | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | <i>Respondent skipped this question</i> |

### PAGE 38: Copy of page:

|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q181: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

### PAGE 39

|  |   |
|--|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q184: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q185: Water- Is there a pre-treatment of the water?</b>  | <i>Respondent skipped this question</i> |
| <b>Q186: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q187: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q189: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q190: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q191: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
| <b>Q194: Microbiological status - Which pathogens are tested for?</b>                                 | <i>Respondent skipped this question</i> |
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>      | <i>Respondent skipped this question</i> |

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#10



**COMPLETE**

**Collector:** IMPC housing a... ta collection (Email)  
**Started:** Wednesday, March 12, 2014 2:04:56 PM  
**Last Modified:** Tuesday, September 23, 2014 7:13:26 AM  
**Time Spent:** Over a month  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX @helmholtz-muenchen.de

**Q2: Which phenotyping center is data being submitted for?** GMC Helmholtz Zentrum München

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to? If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** Helmholtz GMC

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines. If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

HMGU\_001  
 GMC\_001

**Q5: Please specify the date from which this information applies.**

Start Date 01/01/2011

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** No

PAGE 2

**Q8:** As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.

*Respondent skipped this question*

**Q9:** Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.

*Respondent skipped this question*

**Q10:** Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?

*Respondent skipped this question*

PAGE 3

**Q11:** As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.

*Respondent skipped this question*

PAGE 4

**Q12: Housing - Is the temperature regulated?** Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20

Maximum 24

**Q14: Housing - Is the relative humidity regulated?** Yes

**Q15: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

Minimum 50

Maximum 60

**Q16: Housing - How is ventilation managed?** Positive

## Housing and husbandry V5.7

### Q17: Housing - How many air changes per hour in the room?

|         |                  |
|---------|------------------|
| Minimum | 20               |
| Maximum | 20               |
| Units   | Changes per hour |

Q18: Housing - Is there IVC ventilation? Yes

## PAGE 5

### Q19: Housing - How many air changes per hour in the IVC unit?

|         |                  |
|---------|------------------|
| Minimum | 100              |
| Maximum | 100              |
| Units   | Changes per hour |

Q20: Housing - What is the light source? Incandescent

Q21: Housing - Can you quantify the light intensity range experienced? Yes

## PAGE 6

### Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.

|         |     |
|---------|-----|
| Minimum | 300 |
| Maximum | 500 |

### Q23: Housing - What is the time the lights are switched on and off?

Lights on 06:00 AM,

Lights off 06:00 PM

Q24: Housing - What is the cage manufacturer and racking system used? Tecniplast, Sealsafe Plus with GM500 caging system

### Q25: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.

|             |    |
|-------------|----|
| Height (mm) | 16 |
| Length (mm) | 38 |
| Width (mm)  | 20 |

### Q26: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 6 |

## Housing and husbandry V5.7

|  |  |
|--|--|
| <b>Q27: Housing - What is the bedding type?</b>  | Other,<br>Other (please specify)<br>Fir and Spruce shaving mix |
| <b>Q28: Housing - How has the bedding been pre-treated?</b>                                | Autoclaved   |
| <b>Q29: Housing - What cage enrichment is provided?</b>                                    | Nestlets, Red house  |
| <b>Q30: Housing - What is the frequency of cage cleaning?</b>                              | Weekly   |
| <b>Q31: Housing - What is the frequency of handling?</b>                                   | During cage cleaning,<br>During phenotyping procedures         |
| <b>Q32: Nutrition - What is the supplier and product ID of the diet?</b>                   | Altromin 1314  |
| <b>Q33: Nutrition - What is the diet type?</b>   | Natural-ingredient   |
| <b>Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | Yes  |

### PAGE 7

|  |     |
|--|-----|
| <b>Q35: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate   | 50  |
| Fat  | 5   |
| Protein  | 23  |
| <b>Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | Yes |

### PAGE 8

|   |     |
|---|-----|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> |     |
| Carbohydrate  | 60  |
| Fat   | 13  |
| Protein   | 27  |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>   | Yes |

## PAGE 9

|  |  |
|--|--|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | Vegetable, Fish, Animal                    |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                                 |
| <b>Q41: Water - Is the water quality monitored?</b>  | No   |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | UV, Filter sterilisation                   |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                                 |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle                                     |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF  |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks         |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | Selected commercial sources - live animals |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Micro testing                              |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | Yes  |

## PAGE 10

|   |  |
|---|--|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> |  |
| Minimum   | 1  |
| Maximum   | 6  |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Serology - Clostridium piliforme,<br>Serology - Ectromelia Virus, Serology -<br>Encephalitozoon cuniculi,<br>Serology - Epizootic Diarrhoea of Infant Mice,<br>Serology - Hantaan Virus, Serology - K Virus,<br>Serology - Lactic dehydrogenase<br>elevating virus |

## Housing and husbandry V5.7

Serology - Lymphocytic  
choriomeningitis (LCMV)

,

Serology - Minute Virus of Mice,

Serology - Mouse Adenovirus type 2  
(MAd K87)

,

Serology - Mouse adenovirus (MAV),

Serology - Mouse Adenovirus type 1 (MAd FL),

Serology - Mouse Cytomegalovirus,

Serology - Mouse Hepatitis Virus,

Serology - Mouse Norovirus,

Serology - Mouse Parvovirus,

Serology - Mouse Rotavirus (EDIM),

Serology - Mycoplasma pulmonis,

Serology - Pneumonia Virus of Mice ,

Serology - Polyoma Virus,

Serology - Reovirus Type III (Reo 3),

Serology - Sendai Virus,

Serology - Theiler's murine  
encephalomyelitis virus

,

Parasitology – Intestinal protozoa,

Parasitology - Arthropods,

Parasitology - Ectoparasites,

Parasitology - Endoparasites,

Parasitology - Helminths,

Bacteriology - Actinobacillus species,

Bacteriology - Bacillus species,

Bacteriology - B-haemolytic Streptococci,

Bacteriology - Bordetella bronchiseptica,

Bacteriology - Citrobacter rodentium,

Bacteriology - Clostridium piliforme,

Bacteriology - Cornebacterium bovis,

Bacteriology - Corynebacterium kutscheri,

## Housing and husbandry V5.7

Bacteriology - Enterobacter species,

Bacteriology - Escherichia coli,

Bacteriology - Haemophilus species,

Bacteriology - Helicobacter bilis,

Bacteriology - Helicobacter hepaticus,

Bacteriology - Helicobacter species,

Bacteriology - Klebsiella oxytoca,

Bacteriology - Klebsiella pneumoniae,

Bacteriology - Klebsiella species,

Bacteriology - Klebsiella spp.other than  
K. pneumoniae

,

Bacteriology - Lactobacillus species,

Bacteriology - Mannheimia haemolytica,

Bacteriology - Mycoplasma pulmonis,

Bacteriology - Mycoplasma species,

Bacteriology - Pasteurella multocida,

Bacteriology - Pasteurella pneumotropica,

Bacteriology - Pasteurella species  
(not multocida or pneumotropica)

,

Bacteriology - Pasteurellaceae,

Bacteriology - Pneumocystis murina,

Bacteriology - Proteus species,

Bacteriology - Pseudomonas aeruginosa,

Bacteriology - Pseudomonas species,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

Bacteriology - Staphylococci species,

Bacteriology - Staphylococci species  
(not aureus)

,

Bacteriology - Staphylococci xylosum,

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Streptococcus Alpha-haemolytic

,

## Housing and husbandry V5.7

Bacteriology - Streptococcus Beta-haemolytic (group D)

,

Bacteriology - Streptococcus Beta-haemolytic (not group D)

,

Bacteriology - Streptococcus pneumoniae,

Bacteriology - Streptococcus species,

Bacteriology - Yersinia pseudotuberculosis,

Bacteriology - Yersinia species,

Necropsy - External Lesions/Abnormalities,

Necropsy - Internal Lesions/Abnormalities

---

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** Yes

### PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?**

Pasteurellaceae

---

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** Yes

### PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** No

### PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

## PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.**

*Respondent skipped this question*

## PAGE 16

**Q59: Please specify the date from which this information applies.**

*Respondent skipped this question*

**Q60: If known, please specify the end date for which this information applies.**

*Respondent skipped this question*

**Q61: Housing - Is the temperature regulated?**

*Respondent skipped this question*

**Q62: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q63: Housing - Is the relative humidity regulated?**

*Respondent skipped this question*

**Q64: Housing - What is the relative humidity range experienced? (Units: %) Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q65: Housing - How is ventilation managed?**

*Respondent skipped this question*

**Q66: Housing - How many air changes per hour in the room?**

*Respondent skipped this question*

**Q67: Housing - Is there IVC ventilation?**

*Respondent skipped this question*

## PAGE 17: Copy of page:

**Q68: Housing - How many air changes per hour in the IVC unit?**

*Respondent skipped this question*

**Q69: Housing - What is the light source?**

*Respondent skipped this question*

**Q70: Housing - Can you quantify the light intensity range experienced?**

*Respondent skipped this question*

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|  |   |
|--|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

PAGE 19: Copy of page:

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

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|---|---|
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 20: Copy of page:

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q87: Nutrition - Do you know the source of lipids?</b> | <i>Respondent skipped this question</i> |
|---|---|

### PAGE 21

|  |   |
|--|---|
| <b>Q88: Nutrition - What is the source(s) of lipids?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q89: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q90: Water - Is the water quality monitored?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q91: Water - Is there a pre-treatment of the water?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q92: Water - What is the water schedule (quantity)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q93: Water - How is the water supplied?</b> | <i>Respondent skipped this question</i> |
|--|---|

|  |   |
|--|---|
| <b>Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q95: Microbiological status - What method is used to protect the status?</b> | <i>Respondent skipped this question</i> |
|---|---|

|   |   |
|---|---|
| <b>Q96: Microbiological status - What is the closed barrier detail?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |   |
|--|---|
| <b>Q97: Microbiological status - What quarantine method is employed?</b> | <i>Respondent skipped this question</i> |
|--|---|

|   |   |
|---|---|
| <b>Q98: Microbiological status - Are live animals allowed to join the unit?</b> | <i>Respondent skipped this question</i> |
|---|---|

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## Housing and husbandry V5.7

**Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q100: Microbiological status - Which pathogens are tested for?**

*Respondent skipped this question*

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?**

*Respondent skipped this question*

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**Q102: Microbiological status - Which pathogens is your unit positive for?**

*Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.**

*Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13**

*Respondent skipped this question*

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

*Respondent skipped this question*

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

*Respondent skipped this question*

### PAGE 25

|  |   |
|--|---|
| <b>Q107:</b> As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4. | <i>Respondent skipped this question</i> |
| <b>Q108:</b> Housing - Is the temperature regulated?   | <i>Respondent skipped this question</i> |
| <b>Q109:</b> Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.  | <i>Respondent skipped this question</i> |
| <b>Q110:</b> Housing - Is the relative humidity regulated?   | <i>Respondent skipped this question</i> |
| <b>Q111:</b> Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.   | <i>Respondent skipped this question</i> |
| <b>Q112:</b> Housing - How is ventilation managed?   | <i>Respondent skipped this question</i> |
| <b>Q113:</b> Housing - How many air changes per hour in the room?  | <i>Respondent skipped this question</i> |
| <b>Q114:</b> Housing - Is there IVC ventilation?   | <i>Respondent skipped this question</i> |

## PAGE 26: Copy of page:

|  |   |
|--|---|
| <b>Q115:</b> Housing - How many air changes per hour in the IVC unit?          | <i>Respondent skipped this question</i> |
| <b>Q116:</b> Housing - What is the light source?                               | <i>Respondent skipped this question</i> |
| <b>Q117:</b> Housing - Can you quantify the light intensity range experienced? | <i>Respondent skipped this question</i> |

## PAGE 27: Copy of page:

|  |   |
|--|---|
| <b>Q118:</b> Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number. | <i>Respondent skipped this question</i> |
| <b>Q119:</b> Housing - What is the time the lights are switched on and off?  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q121: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q122: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q123: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q124: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q125: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q126: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q127: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q128: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q129: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

### PAGE 28: Copy of page:

|   |   |
|---|---|
| <b>Q131: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 29: Copy of page:

|  |   |
|--|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|--|---|

## Housing and husbandry V5.7

**Q134: Nutrition - Do you know the source of lipids?**

*Respondent skipped this question*

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**Q135: Nutrition - What is the source(s) of lipids?**

*Respondent skipped this question*

**Q136: Nutrition - What is the feeding regime (excluding fasting periods)?**

*Respondent skipped this question*

**Q137: Water - Is the water quality monitored?**

*Respondent skipped this question*

**Q138: Water- Is there a pre-treatment of the water?**

*Respondent skipped this question*

**Q139: Water - What is the water schedule (quantity)?**

*Respondent skipped this question*

**Q140: Water - How is the water supplied?**

*Respondent skipped this question*

**Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?**

*Respondent skipped this question*

**Q142: Microbiological status - What method is used to protect the status?**

*Respondent skipped this question*

**Q143: Microbiological status - What is the closed barrier detail?**

*Respondent skipped this question*

**Q144: Microbiological status - What quarantine method is employed?**

*Respondent skipped this question*

**Q145: Microbiological status - Are live animals allowed to join the unit?**

*Respondent skipped this question*

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**Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.**

*Respondent skipped this question*

**Q147: Microbiological status - Which pathogens are tested for?**

*Respondent skipped this question*

## Housing and husbandry V5.7

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

### PAGE 32: Copy of page:

**Q149: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** *Respondent skipped this question*

### PAGE 33: Copy of page:

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc** *Respondent skipped this question*

**Q152: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.** *Respondent skipped this question*

**Q153: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** *Respondent skipped this question*

### PAGE 34

**Q154: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.** *Respondent skipped this question*

**Q155: Housing - Is the temperature regulated?** *Respondent skipped this question*

**Q156: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answers to the nearest whole number.** *Respondent skipped this question*

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q157: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q158: Housing - What is the relative humidity range experienced? (Units: %)Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q159: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q160: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q161: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 35: Copy of page:

|  |   |
|--|---|
| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 36: Copy of page:

|   |   |
|---|---|
| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>   | <i>Respondent skipped this question</i> |
| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q171: Housing - How has the bedding been pre-treated?</b>                                | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>                                    | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>                              | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>                                   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>                   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b> | <i>Respondent skipped this question</i> |

### PAGE 37: Copy of page:

|  |   |
|--|---|
| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | <i>Respondent skipped this question</i> |

### PAGE 38: Copy of page:

|   |   |
|---|---|
| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q181: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

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|  |   |
|--|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b>                        | <i>Respondent skipped this question</i> |
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b> | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q184: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q185: Water- Is there a pre-treatment of the water?</b>  | <i>Respondent skipped this question</i> |
| <b>Q186: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q187: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q189: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q190: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q191: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

### PAGE 40: Copy of page:

|   |   |
|---|---|
| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
| <b>Q194: Microbiological status - Which pathogens are tested for?</b>                                 | <i>Respondent skipped this question</i> |
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>      | <i>Respondent skipped this question</i> |

### PAGE 41: Copy of page:

|  |   |
|--|---|
| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
|--|---|

#11



**COMPLETE**

**Collector:** JAX second set of data (Email)  
**Started:** Friday, April 11, 2014 7:32:46 AM  
**Last Modified:** Tuesday, September 23, 2014 7:14:33 AM  
**Time Spent:** Over a month  
**Email:**  
**IP Address:**

PAGE 1

**Q1: What are your contact details?**

Name XXXXX  
 Email XXXXX@jax.org

**Q2: Which phenotyping center is data being submitted for?** J The Jackson Laboratory

**Q3: What is/are the name(s) of your phenotyping project(s) the following responses refer to?If you have projects where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.** JAX

**Q4: Please specify (on separate lines) the Impress IDs of the pipeline(s) the following responses refer to.Impress pipeline IDs can be found at Impress pipelines.If you have pipelines where the housing and husbandry conditions differ, the survey will then give you options to repeat the questions.**

JAX Pipeline JAX\_001

**Q5: Please specify the date from which this information applies.**

Start Date 06/01/2012

**Q6: If known, please specify the end date for which this information applies.** *Respondent skipped this question*

**Q7: Will the housing and husbandry answers vary within the pipeline(s)? Examples include where the housing and husbandry differ for the embryonic screen compared to the adult pipeline or for the adult pipeline where the housing and husbandry depends on the stage of the pipeline(s).** Yes

PAGE 2

**Q8: As you have indicated that housing and husbandry varies within the pipeline(s), please give the first block of housing and husbandry answers a meaningful name. Example name: Embryonic screens or Adult screens or Adult screens week 4-8. The survey will later give an option to add additional answers for a set of screens which have a distinct housing and husbandry answers.**

weeks 14-18 phenotyping

**Q9: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK ONE of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

IMPC\_BWT\_001  
 JAX\_ERG\_001  
 IMPC\_ABR\_001  
 IMPC\_ABR\_002  
 JAX\_ECT\_001  
 IMPC\_HEM\_001  
 IMPC\_HEM\_002  
 IMPC\_CBC\_001  
 IMPC\_CBC\_002  
 IMPC\_PAT\_001  
 IMPC\_HWT\_001  
 IMPC\_INS\_001  
 IMPC\_INS\_002  
 IMPC\_BLK\_001  
 IMPC\_HIS\_001

**Q10: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

Yes

PAGE 3

**Q11: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

|           |    |
|-----------|----|
| Start age | 14 |
| End age   | 18 |

PAGE 4

**Q12: Housing - Is the temperature regulated?**

Yes

**Q13: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

|         |    |
|---------|----|
| Minimum | 20 |
| Maximum | 22 |

## Housing and husbandry V5.7

Yes

**Q14: Housing - Is the relative humidity regulated?**

**Q15: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.**

Minimum 40

Maximum 50

**Q16: Housing - How is ventilation managed?** Positive

**Q17: Housing - How many air changes per hour in the room?**

Minimum 12

Maximum 12

Units ach

**Q18: Housing - Is there IVC ventilation?** Yes

### PAGE 5

**Q19: Housing - How many air changes per hour in the IVC unit?**

Minimum 60

Maximum 60

Units ach

**Q20: Housing - What is the light source?** Florescent

**Q21: Housing - Can you quantify the light intensity range experienced?** Yes

### PAGE 6

**Q22: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.**

Minimum 50

Maximum 1100

**Q23: Housing - What is the time the lights are switched on and off?**

Lights on 06:00 AM,

Lights off 06:00 PM

**Q24: Housing - What is the cage manufacturer and racking system used?** Thoren Duplex II Mouse Cage #11 & Thoren Maxi-Miser® PIV System

## Housing and husbandry V5.7

**Q25: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 162 |
| Length (mm) | 308 |
| Width (mm)  | 308 |

---

**Q26: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 5 |

---

**Q27: Housing - What is the bedding type?** Pine shavings

---

**Q28: Housing - How has the bedding been pre-treated?** Autoclaved

---

**Q29: Housing - What cage enrichment is provided?** None, Group housing

---

**Q30: Housing - What is the frequency of cage cleaning?** Weekly

---

**Q31: Housing - What is the frequency of handling?** Weekly (assessment), During cage cleaning, During phenotyping procedures

---

**Q32: Nutrition - What is the supplier and product ID of the diet?** LabDiet® 5K52

---

**Q33: Nutrition - What is the diet type?** Natural-ingredient

---

**Q34: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

---

PAGE 7

**Q35: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 62 |
| Fat          | 16 |
| Protein      | 22 |

---

**Q36: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** No

---

PAGE 8

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q37: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q38: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

### PAGE 9

|  |   |
|--|---|
| <b>Q39: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q40: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                              |
| <b>Q41: Water - Is the water quality monitored?</b>  | Yes                                     |
| <b>Q42: Water- Is there a pre-treatment of the water?</b>  | Acidification                           |
| <b>Q43: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                              |
| <b>Q44: Water - How is the water supplied?</b>   | Bottle                                  |
| <b>Q45: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | Non-SPF                                 |
| <b>Q46: Microbiological status - What method is used to protect the status?</b>                  | Individually ventilated cage racks      |
| <b>Q47: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals                |
| <b>Q48: Microbiological status - What quarantine method is employed?</b>                         | Rederivations                           |
| <b>Q49: Microbiological status - Are live animals allowed to join the unit?</b>                  | No                                      |

### PAGE 10

|   |   |
|---|---|
| <b>Q50: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>                                       |
| <b>Q51: Microbiological status - which pathogens are tested for?</b>  | Serology - Ectromelia Virus,<br>Serology - Hantaan Virus, Serology - K Virus, |

## Housing and husbandry V5.7

Serology - Lactic dehydrogenase elevating virus

,

Serology - Minute Virus of Mice,

Serology - Mouse adenovirus (MAV),

Serology - Mouse Cytomegalovirus,

Serology - Mouse Hepatitis Virus,

Serology - Mouse Norovirus,

Serology - Mouse Parvovirus,

Serology - Mouse Rotavirus (EDIM),

Serology - Pneumonia Virus of Mice ,

Serology - Polyoma Virus,

Serology - Reovirus Type III (Reo 3),

Serology - Sendai Virus,

Serology - Theiler's murine encephalomyelitis virus

,

Parasitology – Intestinal protozoa,

Parasitology - Arthropods,

Bacteriology - Bacillus species,

Bacteriology - Bordetella bronchiseptica,

Bacteriology - Citrobacter rodentium,

Bacteriology - Cornebacterium bovis,

Bacteriology - Corynebacterium kutscheri,

Bacteriology - Helicobacter species,

Bacteriology - Klebsiella pneumoniae,

Bacteriology - Klebsiella species,

Bacteriology - Mycoplasma species,

Bacteriology - Pasteurella pneumotropica,

Bacteriology - Proteus species,

Bacteriology - Pseudomonas species,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Streptococcus species,

## Housing and husbandry V5.7

Other (please specify)  
Helicobacter spp. , Proteus mirabilis, mouse  
thymic virus

**Q52: Microbiological status - Is your unit positive for any of the pathogens tested for?** No

### PAGE 11

**Q53: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q54: Are the housing and husbandry conditions consistent for all screens within the phenotyping pipeline(s)?** No

### PAGE 12

**Q55: Are there other phenotyping pipeline(s) or project(s), for which the housing and husbandry conditions would differ?** *Respondent skipped this question*

### PAGE 13

**Q56: Is the difference arising for pipelines or projects?** *Respondent skipped this question*

### PAGE 14: Copy of page:

**Q57: What is/are the name(s) of your other phenotyping project(s) the following responses refer to?** *Respondent skipped this question*

### PAGE 15

**Q58: Please specify (on separate lines) the Impress IDs of the other pipeline(s) the following responses refer to. Impress pipeline IDs can be found at Impress pipelines.** *Respondent skipped this question*

### PAGE 16

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q59: Please specify the date from which this information applies.</b>   | <i>Respondent skipped this question</i> |
| <b>Q60: If known, please specify the end date for which this information applies.</b>  | <i>Respondent skipped this question</i> |
| <b>Q61: Housing - Is the temperature regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q62: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q63: Housing - Is the relative humidity regulated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q64: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q65: Housing - How is ventilation managed?</b>  | <i>Respondent skipped this question</i> |
| <b>Q66: Housing - How many air changes per hour in the room?</b>   | <i>Respondent skipped this question</i> |
| <b>Q67: Housing - Is there IVC ventilation?</b>  | <i>Respondent skipped this question</i> |

### PAGE 17: Copy of page:

|   |   |
|---|---|
| <b>Q68: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q69: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q70: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

### PAGE 18: Copy of page:

|   |   |
|---|---|
| <b>Q71: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q72: Housing - What is the time the lights are switched on and off?</b>  | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q73: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q74: Housing - What are the dimensions of the cages?Please round the answer to the nearest whole number.</b>  | <i>Respondent skipped this question</i> |
| <b>Q75: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q76: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q77: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q78: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q79: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q80: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q81: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q82: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q83: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

### PAGE 19: Copy of page:

|  |   |
|--|---|
| <b>Q84: Nutrition - What is the average % composition (based on mass)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q85: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                        | <i>Respondent skipped this question</i> |

### PAGE 20: Copy of page:

|   |   |
|---|---|
| <b>Q86: Nutrition - What is the average % composition (based on calorific content)?Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
|---|---|

## Housing and husbandry V5.7

Q87: Nutrition - Do you know the source of lipids? *Respondent skipped this question*

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|   |   |
|---|---|
| Q88: Nutrition - What is the source(s) of lipids?   | <i>Respondent skipped this question</i> |
| Q89: Nutrition - What is the feeding regime (excluding fasting periods)?                  | <i>Respondent skipped this question</i> |
| Q90: Water - Is the water quality monitored?  | <i>Respondent skipped this question</i> |
| Q91: Water - Is there a pre-treatment of the water?                                       | <i>Respondent skipped this question</i> |
| Q92: Water - What is the water schedule (quantity)?                                       | <i>Respondent skipped this question</i> |
| Q93: Water - How is the water supplied?   | <i>Respondent skipped this question</i> |
| Q94: Microbiological status - What is the status of your centre (Specific Pathogen Free)? | <i>Respondent skipped this question</i> |
| Q95: Microbiological status - What method is used to protect the status?                  | <i>Respondent skipped this question</i> |
| Q96: Microbiological status - What is the closed barrier detail?                          | <i>Respondent skipped this question</i> |
| Q97: Microbiological status - What quarantine method is employed?                         | <i>Respondent skipped this question</i> |
| Q98: Microbiological status - Are live animals allowed to join the unit?                  | <i>Respondent skipped this question</i> |

PAGE 22: Copy of page:

|  |   |
|--|---|
| Q99: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number. | <i>Respondent skipped this question</i> |
| Q100: Microbiological status - Which pathogens are tested for?   | <i>Respondent skipped this question</i> |

## Housing and husbandry V5.7

**Q101: Microbiological status - Is your unit positive for any of the pathogens tested for?** *Respondent skipped this question*

### PAGE 23: Copy of page:

**Q102: Microbiological status - Which pathogens is your unit positive for?** *Respondent skipped this question*

**Q103: This is the end of the survey, and will have arisen as you have two blocks of housing and husbandry answers relating to either different project(s) or pipeline(s). If this is not the case, please contact the user support. If this is the case, please click Yes.** *Respondent skipped this question*

### PAGE 24: Copy of page:

**Q104: As you have indicated that housing and husbandry varies within the pipeline(s), please provide a descriptor to define block 2 and for which the following housing and husbandry answers refer to. Examples descriptor: Embryonic Screens, Adult Screens, Adult Screens week 6-13** sleep

**Q105: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK TWO of the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

JAX\_SLW\_001

**Q106: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?** Yes

### PAGE 25

**Q107: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

Start age 14

End age 15

**Q108: Housing - Is the temperature regulated?** Yes

**Q109: Housing - What is the temperature range experienced? (Units: degree Celsius) Please round the answer to the nearest whole number.**

Minimum 20

Maximum 22

## Housing and husbandry V5.7

|  |     |
|--|-----|
| <b>Q110: Housing - Is the relative humidity regulated?</b> | Yes |
|--|-----|

|  |  |
|--|--|
| <b>Q111: Housing - What is the relative humidity range experienced? (Units: %)Please round the answer to the nearest whole number.</b> |  |
|--|--|

|         |    |
|---------|----|
| Minimum | 40 |
| Maximum | 50 |

|  |         |
|--|---------|
| <b>Q112: Housing - How is ventilation managed?</b> | Passive |
|--|---------|

|   |  |
|---|--|
| <b>Q113: Housing - How many air changes per hour in the room?</b> |  |
|---|--|

|         |     |
|---------|-----|
| Minimum | 12  |
| Maximum | 12  |
| Units   | ach |

|  |    |
|--|----|
| <b>Q114: Housing - Is there IVC ventilation?</b> | No |
|--|----|

### PAGE 26: Copy of page:

|   |   |
|---|---|
| <b>Q115: Housing - How many air changes per hour in the IVC unit?</b> | <i>Respondent skipped this question</i> |
|---|---|

|  |            |
|--|------------|
| <b>Q116: Housing - What is the light source?</b> | Florescent |
|--|------------|

|  |     |
|--|-----|
| <b>Q117: Housing - Can you quantify the light intensity range experienced?</b> | Yes |
|--|-----|

### PAGE 27: Copy of page:

|  |  |
|--|--|
| <b>Q118: Housing - What is the light intensity range experienced (units: lux)?Please round the answer to the nearest whole number.</b> |  |
|--|--|

|         |     |
|---------|-----|
| Minimum | 400 |
| Maximum | 800 |

|   |  |
|---|--|
| <b>Q119: Housing - What is the time the lights are switched on and off?</b> |  |
|---|--|

Lights on 06:00 AM,

Lights off 06:00 PM

|   |  |
|---|--|
| <b>Q120: Housing - What is the cage manufacturer and racking system used?</b> | Other,<br>Other (please specify) sleep cages |
|---|--|

## Housing and husbandry V5.7

**Q121: Housing - What are the dimensions of the cages? Please round the answer to the nearest whole number.**

|             |     |
|-------------|-----|
| Height (mm) | 289 |
| Length (mm) | 152 |
| Width (mm)  | 152 |

---

**Q122: Housing - What is the number of animals per cage? If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.**

|         |   |
|---------|---|
| Minimum | 1 |
| Maximum | 1 |

---

**Q123: Housing - What is the bedding type?** Alpha dri bedding, Pine shavings

---

**Q124: Housing - How has the bedding been pre-treated?** Autoclaved

---

**Q125: Housing - What cage enrichment is provided?** None

---

**Q126: Housing - What is the frequency of cage cleaning?** Weekly

---

**Q127: Housing - What is the frequency of handling?** During cage cleaning

---

**Q128: Nutrition - What is the supplier and product ID of the diet?** LabDiet® 5K52

---

**Q129: Nutrition - What is the diet type?** Natural-ingredient

---

**Q130: Nutrition - Do you know the composition of the diet (average % based on mass)?** Yes

**PAGE 28: Copy of page:**

**Q131: Nutrition - What is the average % composition (based on mass)? Please round the answer to the nearest whole number.**

|              |    |
|--------------|----|
| Carbohydrate | 62 |
| Fat          | 16 |
| Protein      | 22 |

---

**Q132: Nutrition - Do you know the composition of the diet (average % based on calorific content)?** No

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## Housing and husbandry V5.7

|   |   |
|---|---|
| <b>Q133: Nutrition - What is the average % composition (based on calorific content)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q134: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

PAGE 30

|   |   |
|---|---|
| <b>Q135: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q136: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | Ad libitum                              |
| <b>Q137: Water - Is the water quality monitored?</b>  | Yes                                     |
| <b>Q138: Water- Is there a pre-treatment of the water?</b>  | Acidification                           |
| <b>Q139: Water - What is the water schedule (quantity)?</b>                                       | Ad libitum                              |
| <b>Q140: Water - How is the water supplied?</b>   | Bottle                                  |
| <b>Q141: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | SPF                                     |
| <b>Q142: Microbiological status - What method is used to protect the status?</b>                  | Open-system                             |
| <b>Q143: Microbiological status - What is the closed barrier detail?</b>                          | No external live animals                |
| <b>Q144: Microbiological status - What quarantine method is employed?</b>                         | Rederivations                           |
| <b>Q145: Microbiological status - Are live animals allowed to join the unit?</b>                  | No                                      |

PAGE 31: Copy of page:

|  |   |
|--|---|
| <b>Q146: Microbiological status - What is the acclimation period for live animals (units: weeks)? Please round the answer to the nearest whole number.</b> | <i>Respondent skipped this question</i>                                       |
| <b>Q147: Microbiological status - Which pathogens are tested for?</b>  | Serology - Ectromelia Virus,<br>Serology - Hantaan Virus, Serology - K Virus, |

## Housing and husbandry V5.7

Serology - Lactic dehydrogenase elevating virus

,

Serology - Lymphocytic choriomeningitis (LCMV)

,

Serology - Minute Virus of Mice,

Serology - Mouse adenovirus (MAV),

Serology - Mouse Cytomegalovirus,

Serology - Mouse Hepatitis Virus,

Serology - Mouse Norovirus,

Serology - Mouse Parvovirus,

Serology - Mouse Rotavirus (EDIM),

Serology - Pneumonia Virus of Mice ,

Serology - Polyoma Virus,

Serology - Reovirus Type III (Reo 3),

Serology - Sendai Virus,

Serology - Theiler's murine encephalomyelitis virus

,

Parasitology – Intestinal protozoa,

Parasitology - Arthropods,

Bacteriology - Bacillus species,

Bacteriology - Bordetella bronchiseptica,

Bacteriology - Citrobacter rodentium,

Bacteriology - Cornebacterium bovis,

Bacteriology - Corynebacterium kutscheri,

Bacteriology - Helicobacter species,

Bacteriology - Klebsiella pneumoniae,

Bacteriology - Klebsiella species,

Bacteriology - Mycoplasma species,

Bacteriology - Pasteurella pneumotropica,

Bacteriology - Proteus species,

Bacteriology - Pseudomonas species,

Bacteriology - Salmonella species,

Bacteriology - Staphylococci aureus,

## Housing and husbandry V5.7

Bacteriology - Streptobacillus moniliformis,

Bacteriology - Streptococcus species,

Other (please specify)

"Helicobacter spp. , Proteus mirabilis"

Yes

**Q148: Microbiological status - Is your unit positive for any of the pathogens tested for?**

### PAGE 32: Copy of page:

**Q149: Microbiological status - Which pathogens is your unit positive for?**

proteus mirabilis, helicobacter spp

**Q150: Are the housing and husbandry conditions consistent for all further screens of the phenotyping pipeline(s)?** Yes

### PAGE 33: Copy of page:

**Q151: As you have indicated that housing and husbandry varies further for some screens of the pipeline(s), please provide a meaningful descriptor to describe the THIRD BLOCK of housing and husbandry information you will now provide. Examples include: Embryonic Screens, Adult Screens week 10-16 etc**

*Respondent skipped this question*

**Q152: Please specify (on separate lines) the Impress IDs of the procedures associated with BLOCK THREE of housing and husbandry information for the pipeline(s). Choose your pipeline(s) from those shown at Impress pipelines and from the procedure IDs shown, copy and paste the IDs which apply to this stage.**

*Respondent skipped this question*

**Q153: Does the block arise from the housing and husbandry varying across the age of the mice in the adult phenotyping pipeline?**

*Respondent skipped this question*

### PAGE 34

**Q154: As you have indicated the block arises from splitting the adult phenotyping pipeline by age of mice, please specify the start and end age of the mice in this block? Age is specified as week where week 3 runs from wk2.5 until wk3.4.**

*Respondent skipped this question*

## Housing and husbandry V5.7

|  |   |
|--|---|
| <b>Q155: Housing - Is the temperature regulated?</b>   | <i>Respondent skipped this question</i> |
| <b>Q156: Housing - What is the temperature range experienced? (Units: degree Celsius)Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q157: Housing - Is the relative humidity regulated?</b>   | <i>Respondent skipped this question</i> |
| <b>Q158: Housing - What is the relative humidity range experienced? (Units: %)Please round the answers to the nearest whole number.</b>        | <i>Respondent skipped this question</i> |
| <b>Q159: Housing - How is ventilation managed?</b>   | <i>Respondent skipped this question</i> |
| <b>Q160: Housing - How many air changes per hour in the room?</b>  | <i>Respondent skipped this question</i> |
| <b>Q161: Housing - Is there IVC ventilation?</b>   | <i>Respondent skipped this question</i> |

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| <b>Q162: Housing - How many air changes per hour in the IVC unit?</b>          | <i>Respondent skipped this question</i> |
| <b>Q163: Housing - What is the light source?</b>                               | <i>Respondent skipped this question</i> |
| <b>Q164: Housing - Can you quantify the light intensity range experienced?</b> | <i>Respondent skipped this question</i> |

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|   |   |
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| <b>Q165: Housing - What is the light intensity range experienced (units: lux)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q166: Housing - What is the time the lights are switched on and off?</b>   | <i>Respondent skipped this question</i> |
| <b>Q167: Housing - What is the cage manufacturer and racking system used?</b>   | <i>Respondent skipped this question</i> |
| <b>Q168: Housing - What are the dimensions of the cages?Please round the answers to the nearest whole number.</b>                       | <i>Respondent skipped this question</i> |

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| <b>Q169: Housing - What is the number of animals per cage?If your answers are referring to an early stage of the pipeline(s), where numbers are unknown, please enter NA.</b> | <i>Respondent skipped this question</i> |
| <b>Q170: Housing - What is the bedding type?</b>  | <i>Respondent skipped this question</i> |
| <b>Q171: Housing - How has the bedding been pre-treated?</b>  | <i>Respondent skipped this question</i> |
| <b>Q172: Housing - What cage enrichment is provided?</b>  | <i>Respondent skipped this question</i> |
| <b>Q173: Housing - What is the frequency of cage cleaning?</b>  | <i>Respondent skipped this question</i> |
| <b>Q174: Housing - What is the frequency of handling?</b>   | <i>Respondent skipped this question</i> |
| <b>Q175: Nutrition - What is the supplier and product ID of the diet?</b>   | <i>Respondent skipped this question</i> |
| <b>Q176: Nutrition - What is the diet type?</b>   | <i>Respondent skipped this question</i> |
| <b>Q177: Nutrition - Do you know the composition of the diet (average % based on mass)?</b>   | <i>Respondent skipped this question</i> |

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|  |   |
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| <b>Q178: Nutrition - What is the average % composition (based on mass)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q179: Nutrition - Do you know the composition of the diet (average % based on calorific content)?</b>                         | <i>Respondent skipped this question</i> |

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|   |   |
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| <b>Q180: Nutrition - What is the average % composition (based on calorific content)?Please round the answers to the nearest whole number.</b> | <i>Respondent skipped this question</i> |
| <b>Q181: Nutrition - Do you know the source of lipids?</b>  | <i>Respondent skipped this question</i> |

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|   |   |
|---|---|
| <b>Q182: Nutrition - What is the source(s) of lipids?</b>   | <i>Respondent skipped this question</i> |
| <b>Q183: Nutrition - What is the feeding regime (excluding fasting periods)?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q184: Water - Is the water quality monitored?</b>  | <i>Respondent skipped this question</i> |
| <b>Q185: Water- Is there a pre-treatment of the water?</b>  | <i>Respondent skipped this question</i> |
| <b>Q186: Water - What is the water schedule (quantity)?</b>                                       | <i>Respondent skipped this question</i> |
| <b>Q187: Water - How is the water supplied?</b>   | <i>Respondent skipped this question</i> |
| <b>Q188: Microbiological status - What is the status of your centre (Specific Pathogen Free)?</b> | <i>Respondent skipped this question</i> |
| <b>Q189: Microbiological status - What method is used to protect the status?</b>                  | <i>Respondent skipped this question</i> |
| <b>Q190: Microbiological status - What is the closed barrier detail?</b>                          | <i>Respondent skipped this question</i> |
| <b>Q191: Microbiological status - What quarantine method is employed?</b>                         | <i>Respondent skipped this question</i> |
| <b>Q192: Microbiological status - Are live animals allowed to join the unit?</b>                  | <i>Respondent skipped this question</i> |

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|   |   |
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| <b>Q193: Microbiological status - What is the acclimation period for live animals (units: weeks)?</b> | <i>Respondent skipped this question</i> |
| <b>Q194: Microbiological status - Which pathogens are tested for?</b>                                 | <i>Respondent skipped this question</i> |
| <b>Q195: Microbiological status - Is your unit positive for any of the pathogens tested for?</b>      | <i>Respondent skipped this question</i> |

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|  |   |
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| <b>Q196: Microbiological status - Which pathogens is your unit positive for?</b> | <i>Respondent skipped this question</i> |
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