Transitions for a Crispr Production Plan

Validation Rules:
- Counts must not be negative
- Embryos survived cannot be larger than embryos injected
- Pups

System triggered action
(automatic if conditions in data are met)

User triggered action
Transitions for a haplo-essential Crispr Production Plan

Validation Rules:
- Counts must not be negative
- Embryos survived cannot be larger than embryos injected
- Pups

System triggered action
(automatic if conditions in data are met)

User triggered action
Transitions for an ES Cell Production Plan

Validation Rules:
• Counts must not be negative

Plan Created → Plan Abandoned

Attempt in Progress

There is an ES Cell attempt

Chimeras/Founders Obtained

total_male_chimeras > 0

Attempt Aborted

Validates first that all colonies are aborted

System triggered action
(automatic if conditions in data are met)

User triggered action
Transitions for a Modification Production Plan

Plan Created ➔ Mouse Allele Modification Registered ➔ Cre Excision Started ➔ Cre Excision Complete ➔ Mouse Allele Modification Genotype Confirmed

- Plan Abandoned ➔ Mouse Allele Modification Registered
- Rederivation For Modification Started ➔ Mouse Allele Modification Aborted

- Validates deleter_strain not null OR tat_cre not null
- Validates (deleter_strain not null AND number_of_cre_matings_successfull > 0) OR tat_cre not null
- Validates first that all colonies are aborted
- Validates a Genotype Confirmed colony exists

User triggered action
Transitions for a Colony

- **Genotype In Progress**: Validates a sequence must have been uploaded and the allele validated.
- **Genotype Not Confirmed**: Validates that colony is not being used by other plans.
- **Genotype Confirmed**: Validates a sequence must have been uploaded and the allele validated.
- **Genotype Extinct**: CDA/DCC triggered action.
- **Colony Aborted**: CDA/DCC triggered action.

- **User triggered action**: Green line.
- **CDA/DCC triggered action**: Red line.
Transitions for a haplo-essential specimen group

User triggered action

Specimen Group In Progress

Specimen Group Aborted
Transitions for a Phenotyping Plan

- Plan Created
- Plan Abandoned
- Phenotyping Plan Aborted

User triggered action
Early Adult And Embryo, and Late Adult Phenotyping Stage Transitions

- Phenotyping Production Registered
- Phenotyping Started (DCC)
- Phenotyping All Data Processed (DCC)
- Phenotyping All Data Sent
- Phenotyping Finished (CDA)
- Phenotype Production Aborted
- Rederivation Started
- Rederivation Complete

The CDA will also set the initialDataReleaseDate field in the phenotyping stage database entry. Please note: This field corresponds to the Phenotyping Complete status in iMits.
Haplo-essential and Haplo-essential Embryo Phenotyping Stage Transitions

The CDA will also set the initialDataReleaseDate field in the phenotyping stage database entry. Please note: This field corresponds to the Phenotyping Complete status in iMits.

User triggered action
User triggered re-activation action
CDA/DCC triggered action
States for a Project

• Assigned
• Inspect - Conflict
• Inspect - Attempt
• Inspect - GLT Mouse
• Inactive
• Abandoned (This will be added in the next phase)