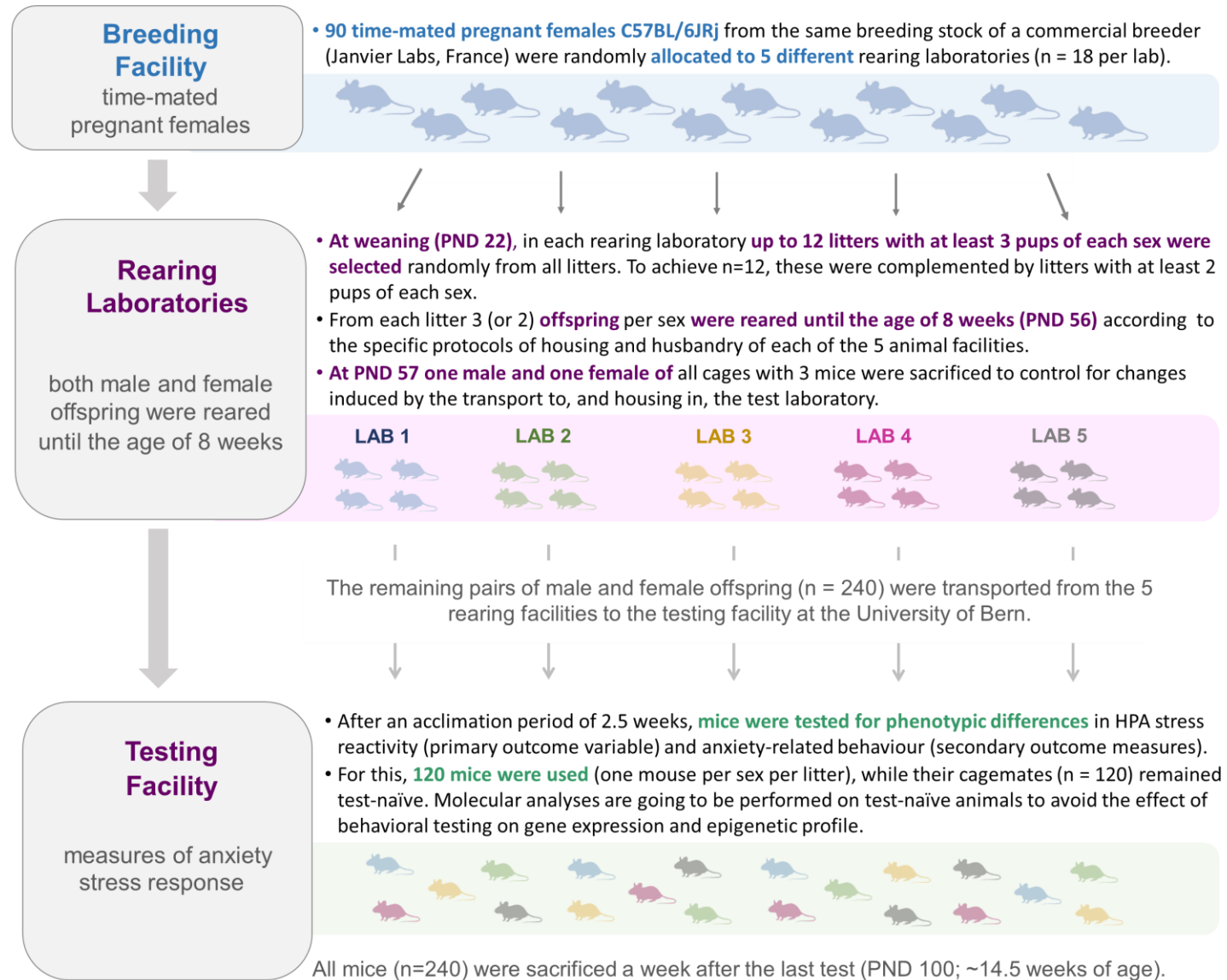
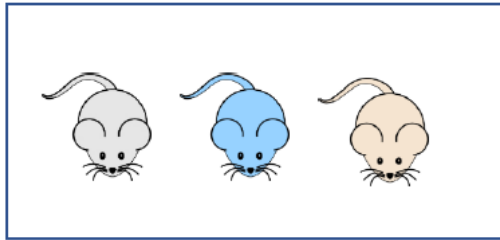


Multi-laboratory study design

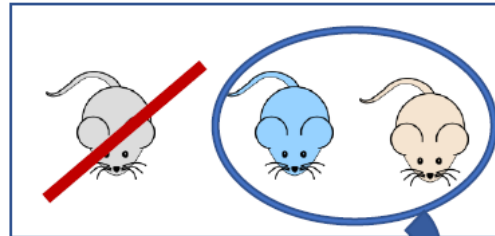


Multi-laboratory study design

Each rearing lab: 3 mice per cage per sex
from weaning (PND 22) until 8 weeks of age (PND 56)



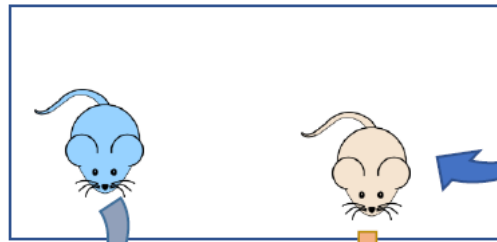
PND 56 (8 weeks of age)



Sacrificed at PND 56,
within rearing facility

Cage mates are transported from each rearing facility to Bern testing facility. All animals are transported from each rearing lab in the same vehicle. Even animals from Bern rearing lab had a ride to Zurich and back ☺ in order to provide the same conditions for every single mouse. Cage mates are transported together in the special transport boxes.

Transported to Bern
(testing facility)



Underwent
behavioral testing for anxiety
and HPA reactivity and
sacrificed at 14 weeks of age

test-naïve mouse, sacrificed at 14 weeks of age
for epigenetic and gene expression analyses and
microbiota profiling

PND 98 (14 weeks of age)

PND 98 (14 weeks of age)

Multi-laboratory study design

Factors that were laboratory specific

All factors related to housing and husbandry conditions

- Type of cages, amount and type of bedding, nesting and enrichment material
- Mixed-strain or same-strain housing room condition
- Single-sex or mixed-sex housing room condition
- Lighting conditions (Including day-night rhythm)
- Frequency and method of mice handling, daily checks, weighing
- Cage and food changing frequency
- Type of food
- Temperature, humidity and background noise...



Factors that were standardized between different rearing laboratories

- Upon arrival, pregnant dams were housed individually
- Dams were monitored daily for parturition (but time of day is lab-specific)
- **Day of birth was defined as postnatal day 0 (PND 0)**
- **Litters were not culled during the lactation period**
- Pups were not individually identified during the lactation period.
- Pups were weaned on PND 22.
- There was no permanent marking at weaning.
- **After weaning, all mice were housed in in same-sex groups of 2 or 3 littermates**