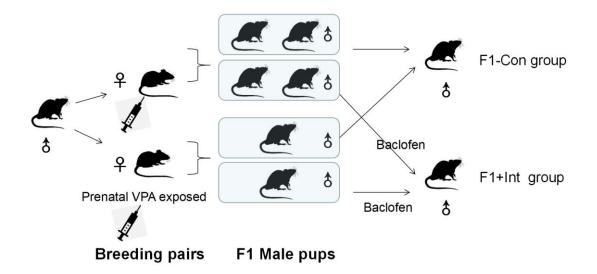
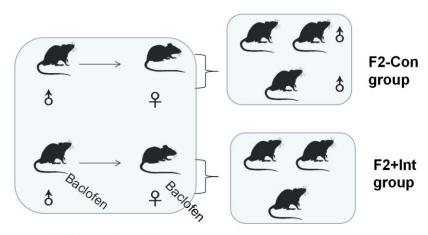
Supplementary Figure 1: Flowchart for eliminating the "litter effect"

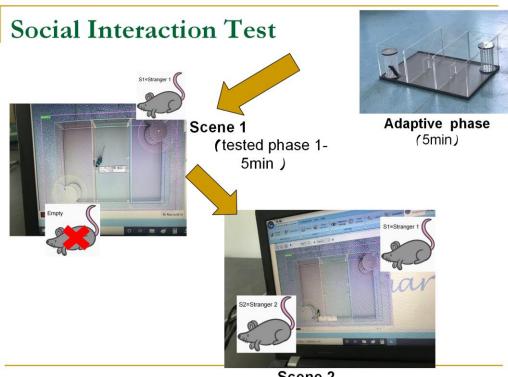




Litter male and female F1 mice

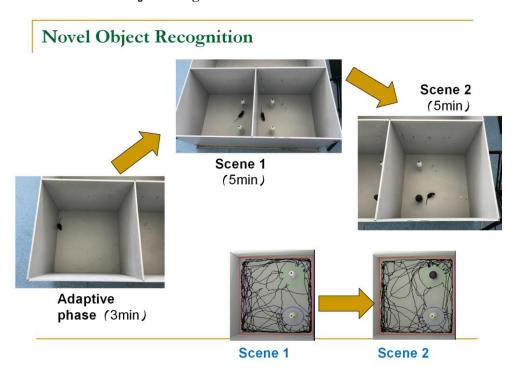
Supplementary Figure 2: Flowchart for behavioral test

1 Flowchart of social interaction test

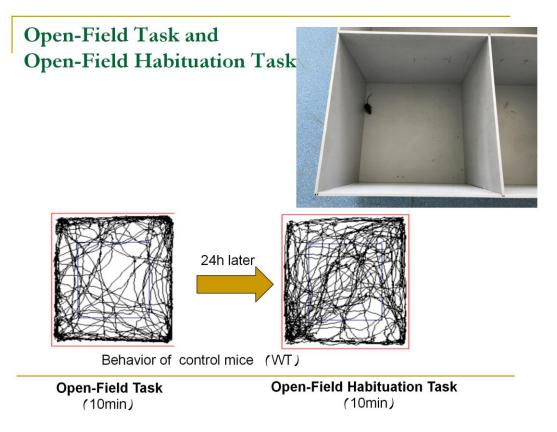


Scene 2 (tested phase 2- 5min)

(2) Flowchart of novel object recognition task



3 Flowchart of open-field task and open-field habituation task



Flowchart of marble burying test

