**Procedure**

CONC FR x (food) FR x (10-s social interaction)

Phase 1: FR x (food) increases 1-256, while FR 1 (social)

Phase 2: FR x (social) increases 1-16 (or 32), while FR 1 (food)

Phase 3: FR x (food) FR x (social) increase simultaneously, 1-64 (or 128)

Phase 4: FR x (food) increases 1-256 (or 512); no social

The # sessions is in the table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Order | Condition | Rat 1 | Rat 4 | Rat 6 | Rat 8 |
| 1 | Baseline | 5 | 10 | 10 | 10 |
| 2 | Phase 1 | 8 | 8 | 8 | 8 |
| 3 | Baseline | 6 | 5 | 5 | 4 |
| 4 | Phase 2 | 4 | 5 | 4 | 4 |
| 5 | Baseline | N/A | 5 | 5 | N/A |
| 6 | Phase 3 | N/A | 6 | 7 | N/A |
| 7 | Baseline | N/A | 6 | 6 | N/A |
| 8 | Phase 4 | N/A | 9 | 8 | N/A |

**Other procedural details:**

How long did trials last? Trials lasted until we saw stable responding (no upwards or downwards trends) for four consecutive sessions. There was usually fairly stable responding for each rat in the BL FR1:FR1 conditions.

Was there an ITI? Not sure if program measured ITI, but we didn’t record them in our data files.

Stimuli? Tone and light with both food and social; tone for social was relatively longer and paired with the loud sound of the door opening.

Deprivation? Social and food deprivation for all rats w/ 60m access to SR+/FR+ in communal cage (trapped and free rat partners) shortly after completion of trial.

Session length? 60 m

What happened if the session timer elapsed during a trial? Free rats were removed as soon as session timer elapsed, even if it elapsed during a social interaction. Trapped rats were removed after free rat was secured individual cage.

Criteria for ending a phase? 0 target reinforces (i.e. reinforces with manipulated cost) earned in a session, and during simultaneous SR+/FR+ FR increase (Phase 3) criteria was 0 earned SR+.

How many days per week was the experiment run? Five mornings per week, M-F 8:00-12:00 during summer and 9:00-13:00 during semester

**Data**

If I’m reading the data tables correctly, the data for Phase 3 seem odd - much higher SR+ for social than for food SR+. Might these columns be reversed? Yes, columns were reversed, good catch. We fixed the data for Phase 3 and everything should now be correct.