**Supplemental File 1**

**Supplemental File 1a. Amount of food consumed (in grams) during selective satiation does not differ across session types.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Infusion Before Satiation | | Infusion Before Probe | |
|  | F1 | F2 | F1 | F2 |
| **Saline Infusions** |  |  |  |  |
| AN | 230 | 151 | 250 | 192 |
| TA | 250 | 30 | 90 | 31 |
| EL | 113 | 174 | 60 | 133 |
| LO | 175 |  |  | 53 |
| x̅ | 192 | 118 | 133 | 102 |
| **MUS Infusions** |  |  |  |  |
| AN | 219 | 124 | 198 | 147 |
| TA | 48 | 33 | 63 | 52 |
| EL | 81 | 133 | 80 | 133 |
| LO | 193 | 77 | 193 | 103 |
| x̅ | 135 | 92 | 134 | 109 |
| **KYNA Infusions** |  |  |  |  |
| AN | 150 | 174 | 250 | 156 |
| TA | 107 | 58 | 161 | 20 |
| EL | 138 | 113 | 36 | 108 |
| x̅ | 132 | 115 | 149 | 95 |

**Supplemental File 1b. Testing Order for Control Infusions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Food 1 | | Food 2 | |
|  | Before Satiation | Before Probe | Before Satiation | Before Probe |
| AN | SHAM  SAL | SAL | SHAM | SHAM |
| TA | SHAM | SHAM | SAL | SAL |
| EL | SAL | SHAM | SAL | SHAM |
| LO | SHAM | N/A | N/A | SAL |

**Supplemental File 1c. Statistical Results for Figure 2.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
|  | Control: x̅ | Treatment: x̅ | Test Statistic | F, t (df), p | Post-Tests\* |
| Fig 2C  Object Probe | 0.73 | Before Sat: 0.46  Before Probe: 0.36 | Repeated Measures ANOVA | F = 13.3 (1.1,3.4)  *p =* 0.029 | Control > Before Sat: *p = 0.032*  Control > Before Probe: *p =* 0.035  Before Sat = Before Probe: *p* = 0.13 |
| Fig 2D Consummatory Probe | 0.99 | Before Sat: 0.90  Before Probe: 0.90 | Repeated Measures ANOVA | F = 1.25 (1.3,4.0)  *p* = 0.35 | n/a |
| Fig 2E  Concurrent visual discrimination | 95% | 86.50% | Paired  T-Test | t = 4.09,  df = 3  *p* = 0.026 | n/a |
| Fig 2F  Baseline Preference Ratio | 0.71 | 0.59 | Paired  T-Test  One-Sample T-Test  (Chance = 0.5) | t = 4.28, df=3  *p* = 0.023  Control:  t = 9.81,  df =3, *p =* 0.002  MUS:  t = 3.38,  df =3,  *p =* 0.043 | n/a    n/a |
| Fig 2G  Object Probe | 0.85 | Before Sat: 0.64  Before Probe: 0.42 | Repeated Measures ANOVA | F = 52.3 (1.0,2.1)  *p* = 0.017 | Control > Before Sat: *p = 0.021*  Control > Before Probe: *p =* 0.021  Before Sat = Before Probe: *p* = 0.043 |
| Fig 2H Consummatory Probe | 0.98 | Before Sat: 0.91  Before Probe: 1.0 | Repeated Measures ANOVA | F = 1.11 (1.1,2.1)  *p =* 0.40 | n/a |
| Fig 2I  Concurrent Visual Discrimination | 97.50% | 97.50% | Identical values for all animals under all conditions precludes statistical analysis across treatments | | |
| Fig 2J  Baseline Preference Ratio | 0.68 | 0.7 | Paired  T-Test | t = 0.277, df=2  *p* = 0.81 | n/a |

**Supplemental File 1d. Tabulated number of objects associated with each food chosen during the non-sated probe (FN) and during the sated probe (FD).**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Infusion  Before Satiation (F1) | | Infusion  Before Satiation (F2) | | Infusion  Before Probe  (F1) | | Infusion  Before Probe (F2) | |
|  | **FN** | **FD** | **FN** | **FD** | **FN** | **FD** | **FN** | **FD** |
| **Saline Infusions** |  |  |  |  |  |  |  |  |
| AN | 14 | 5 | 6 | 4 | 29\* | 4\* | 8 | 2 |
| TA | 11 | 1 | 8 | 3 | 10 | 2 | 16 | 0 |
| EL | 6 | 1 | 9 | 3 | 12 | 4 | 6 | 0 |
| LO | 19 | 3 | N/A | | N/A | | 2 | 0 |
|  |  |  |  |  |  |  |  |  |
| **MUS Infusions** |  |  |  |  |  |  |  |  |
| AN | 15 | 7 | 8 | 8 | 15 | 9 | 7 | 6 |
| TA | 14 | 4 | 12 | 6 | 14 | 4 | 12 | 6 |
| EL | 12 | 7 | 16 | 8 | 9 | 9 | 11 | 6 |
| LO | 18 | 13 | 2 | 2 | 19 | 9 | 5 | 4 |
|  |  |  |  |  |  |  |  |  |
| **KYNA Infusions** |  |  |  |  |  |  |  |  |
| AN | 10 | 5 | 13 | 5 | 14 | 10 | 6 | 4 |
| TA | 10 | 3 | 11 | 2 | 8 | 5 | 13 | 4 |
| EL | 15 | 4 | 9 | 6 | 15 | 12 | 10 | 3 |