**CL20 CeA(Dyn+) Session Notes – Final Data Set**

**Quinine Sessions – 28 Sessions (Half Solutions (FINAL) = 17 Sessions)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20221121CL20A6B3quinine | A | 6 |  | 1 mM QHCl; Dropped in ultimate analysis |
| 20221123CL20A8B9quinine | A | 8 |  | 250 µM QHCl; Dropped in ultimate analysis |
| 20221123CL20A8B9quinine | B | 9 |  | 250 µM QHCl; Dropped in ultimate analysis |
| 20221128CL20A2B5quinine | A | 2 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221128CL20A2B5quinine | B | 5 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221129CL20A6B3quinine | A | 6 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221129CL20A6B3quinine | B | 3 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221201CL20A8B9quinine | A | 8 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221201CL20A8B9quinine | B | 9 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221202CL20A6B5quinine | A | 6 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221202CL20A6B5quinine | B | 5 |  | 125 µM QHCl; Dropped in ultimate analysis |
| 20221212CL20A2B5quinine | A | 2 |  | 90 µM QHCl; |
| 20221213CL20A6B3quinine | A | 6 |  | 90 µM QHCl; |
| 20221213CL20A6B3quinine | B | 3 |  | 90 µM QHCl; |
| 20221214CL20A4B7quinine | A | 4 |  | 90 µM QHCl; |
| 20221214CL20A4B7quinine | B | 7 |  | 90 µM QHCl; |
| 20221215CL20A8B9quinine | A | 8 |  | 90 µM QHCl; |
| 20221215CL20A8B9quinine | B | 9 |  | 90 µM QHCl; |
| 20221216CL20A6B3quinine | A | 6 |  | 90 µM QHCl; |
| 20221216CL20A6B3quinine | B | 3 |  | 90 µM QHCl; |
| 20221219CL20A2B5quinine | A | 2 |  | 90 µM QHCl; |
| 20221219CL20A2B5quinine | B | 5 |  | 90 µM QHCl; |
| 20221220CL20A6B3quinine | A | 6 |  | 90 µM QHCl; |
| 20221220CL20A6B3quinine | B | 3 |  | 90 µM QHCl; |
| 20221221CL20A4B7quinine | A | 4 |  | 90 µM QHCl; |
| 20221221CL20A4B7quinine | B | 7 |  | 90 µM QHCl; |
| 20221222CL20A8B9quinine | A | 8 |  | 90 µM QHCl; |
| 20221222CL20A8B9quinine | B | 9 |  | 90 µM QHCl; |

**Water Sessions – 10 Sessions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20221227CL20A2B5water | A | 2 |  |  |
| 20221227CL20A2B5water | B | 5 |  |  |
| 20221228CL20A6B3water | A | 6 |  |  |
| 20221228CL20A6B3water | B | 3 |  |  |
| 20221229CL20A4B7water | A | 4 |  |  |
| 20221229CL20A4B7water | B | 7 |  |  |
| 20221230CL20A8B9water | A | 8 |  |  |
| 20221230CL20A8B9water | B | 9 |  |  |
| 20230103CL20A5B9water | A | 5 |  | Recorded on other station than usual. |
| 20230103CL20A5B9water | B | 9 |  |  |

**Water Deprivation Sessions – 8 Sessions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230104CL20A2B5waterdep | A | 2 |  |  |
| 20230104CL20A2B5waterdep | B | 5 |  |  |
| 20230106CL20A4B7waterdep | A | 4 |  |  |
| 20230106CL20A4B7waterdep | B | 7 |  |  |
| 20230107CL20A8B9waterdep | A | 8 |  |  |
| 20230107CL20A8B9waterdep | B | 9 |  |  |
| 20230108CL20A6B3waterdep | A | 6 |  |  |
| 20230108CL20A6B3waterdep | B | 3 |  |  |

**Sucrose + Low (90 µM) QHCl Sessions - 10 Sessions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230109CL20A2B5sucroseqlow | A | 2 |  |  |
| 20230109CL20A2B5sucroseqlow | B | 5 |  |  |
| 20230110CL20A6B3sucroseqlow | A | 6 |  |  |
| 20230110CL20A6B3sucroseqlow | B | 3 |  |  |
| 20230111CL20A4B7sucroseqlow | A | 4 |  |  |
| 20230111CL20A4B7sucroseqlow | B | 7 |  |  |
| 20230112CL20A8B9sucroseqlow | A | 8 |  |  |
| 20230112CL20A8B9sucroseqlow | B | 9 |  |  |
| 20230113CL20A6B3sucroseqlow | A | 6 |  |  |
| 20230113CL20A6B3sucroseqlow | B | 3 |  |  |

**Sucrose + High (125 µM) QHCl Sessions – 7 Sessions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230117CL20A2B5sucroseqmid | A | 2 |  |  |
| 20230117CL20A2B5sucroseqmid | B | 5 |  |  |
| 20230119CL20A4B7sucroseqmid | A | 4 |  |  |
| 20230119CL20A4B7sucroseqmid | B | 7 |  |  |
| 20230120CL20A8B9sucroseqmid | A | 8 |  |  |
| 20230121CL20A2B9sucroseqmid | A | 2 |  |  |
| 20230121CL20A2B9sucroseqmid | B | 9 |  |  |

**Ethanol Sessions – 10 Sessions (Dropped in Final Analysis)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230123CL20A2B5ethanol | A | 2 |  |  |
| 20230123CL20A2B5ethanol | B | 5 |  |  |
| 20230124CL20A6B3ethanol | A | 6 |  |  |
| 20230124CL20A6B3ethanol | B | 3 |  |  |
| 20230125CL20A4B7ethanol | A | 4 |  |  |
| 20230125CL20A4B7ethanol | B | 7 |  |  |
| 20230126CL20A8B9ethanol | A | 8 |  |  |
| 20230126CL20A8B9ethanol | B | 9 |  |  |
| 20230127CL20A5B9ethanol | A | 5 |  | Recorded on other station than usual. |
| 20230127CL20A5B9ethanol | B | 9 |  |  |

**Saccharin Sessions (0.0333%) – 10 Sessions (Dropped in Final Analysis)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230130CL20A2B5sacc | A | 2 |  |  |
| 20230130CL20A2B5sacc | B | 5 |  |  |
| 20230131CL20A6B3sacc | A | 6 |  |  |
| 20230131CL20A6B3sacc | B | 3 |  |  |
| 20230201CL20A4B7sacc | A | 4 |  |  |
| 20230201CL20A4B7sacc | B | 7 |  |  |
| 20230202CL20A8B9sacc | A | 8 |  |  |
| 20230202CL20A8B9sacc | B | 9 |  |  |
| 20230203CL20A8B3sacc | A | 8 |  |  |
| 20230203CL20A8B3sacc | B | 3 |  |  |

**Citric Acid (0.1 mM) Sessions – 9 Sessions (Dropped in Final Analysis)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20230213CL20A2B5citricacid | A | 2 |  |  |
| 20230213CL20A2B5citricacid | B | 5 |  |  |
| 20230214CL20A6B3citricacid | A | 6 |  |  |
| 20230214CL20A6B3citricacid | B | 3 |  |  |
| 20230215CL20A4B7citricacid | A | 4 |  |  |
| 20230216CL20A8B9citricacid | A | 8 |  |  |
| 20230216CL20A8B9citricacid | B | 9 |  |  |
| 20230220CL20A5B7citricacid | A | 5 |  | Recorded on other station than usual. |
| 20230220CL20A5B7citricacid | B | 7 |  |  |

Total Sessions = 28+10+8+10+7+10+10+9 = 92 Sessions (“Half Solutions” FINAL: 52 Sessions)

**Dropped Sessions – Incorrect Virus and/or Placement, Technical Errors, or No Bouts**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Session** | **Channel** | **Mouse** | **Mean 470/405** | **Comments** |
| 20221120CL20A2B5quinine | A | 2 |  | 30 mM QHCl; No measurable mL consumed. TrueBout eliminated all bouts – likely accurate. Thus No Bouts! |
| 20221120CL20A2B5quinine | B | 5 |  | 30 mM QHCl; TrueBout eliminated all bouts – likely accurate. Thus No Bouts! |
| 20221121CL20A6B3quinine | B | 3 |  | 1 mM QHCl; No Bouts |
| 20221122CL20A4B7quinine | A | 4 |  | 500 µM QHCl; TrueBout eliminated all bouts. No Bouts. |
| 20221122CL20A4B7quinine | B | 7 |  | 500 µM QHCl; No measurable mL consumed. TrueBout eliminated all bouts. No Bouts. |
| 20221130CL20A4B7quinine | A | 4 |  | 125 µM QHCl; TrueBout eliminated all bouts. No Bouts. |
| 20221130CL20A4B7quinine | B | 7 |  | 125 µM QHCl; No Bouts |
| 20221212CL20A2B5quinine | B | 5 |  | 90 µM QHCl; TrueBout eliminated all bouts. No Bouts. |
| 20230105CL20A6B3waterdep | A | 6 |  | **Only mild dep (2 hrs)** |
| 20230105CL20A6B3waterdep | B | 3 |  | **Only mild dep (2 hrs)** |
| 20230118CL20A6B3sucroseqmid | A | 6 |  | Only two bouts happened right at the beginning (~90 sec) and were too high due to no signal stabilization. DROPPED. |
| 20230118CL20A6B3sucroseqmid | B | 3 |  | No Bouts |
| 20230120CL20A8B9sucroseqmid | B | 9 |  | No Bouts |
| 20230215CL20A4B7citricacid | B | 7 |  | No Bouts – lickometer screwed up |
| 20230217CL20A5B7citricacid | A | 5 |  | DIDN’T HIT RECORD – lost recording |
| 20230217CL20A5B7citricacid | B | 7 |  | DIDN’T HIT RECORD – lost recording |