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Chemosensory modulation of neural circuits for sodium appetite

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Supplementary Information - Table 1: Statistics

Figure Number	Sample size (n = mice otherwise stated)	Test	P value
1a; Control vs - Sodium	5,5	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0015
1e; Empty vs NaCl	4,10	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0204
1e; Water vs NaCl	10,10	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0002
1f Total bout duration (s); - Sodium vs - Light	4,8	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0038
1f Total bout duration (s); - Light vs + Light	8,8	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0031
1f # of bout; - Sodium vs - Light	4,8	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0018
1f # of bout; - Light vs + Light	8,8	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0046
1g; Non-stim vs co-stim	8,8	Friedman test (Dunn's multiple comparisons test)	0.0009
1h; - Light vs + Light	7,7	two-tailed Wilcoxon test	0.0156
2a, Session 1; eYFP vs ChR2	8,10	two-way repeated measure ANOVA (Sidak's multiple comparisons test)	0.0016
2a, Session 2; eYFP vs ChR2	8,10	two-way repeated measure ANOVA (Sidak's multiple comparisons test)	0.0117
2a, Session 3; eYFP vs ChR2	8,10	two-way repeated measure ANOVA (Sidak's multiple comparisons test)	<0.0001
2b, ChR2; +light vs -light	6,6	two-tailed Wilcoxon test	0.0313
3c left; water vs 0.06M NaCl	8,7	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0041
3c left; water vs 0.15M NaCl	8,7	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0088
3c left; water vs 0.5 M NaCl	8,7	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0016
3d; KCl vs NaCl	9,9	two-tailed Wilcoxon test	0.0039
3e; + Ami vs - Ami	9,9	two-tailed Wilcoxon test	0.0039
4b left; Control vs NaCl Oral	7,7	Friedman test (Dunn's multiple comparisons test)	0.0323
4b middle; Control vs Water IG	8,8	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0221
4b middle; Control vs Water oral	8,6	Kruskal-Wallis test (Dunn's multiple comparisons test)	0.0003
4b right; Control vs Glucose IG	8,8	two-tailed Wilcoxon test	0.0078
4e left; NaCl IG vs NaCl Oral	7,7	Friedman test (Dunn's multiple comparisons test)	0.0113
4e left; Water IG vs NaCl Oral	7,7	Friedman test (Dunn's multiple comparisons test)	0.0214
4e left; Air IG vs NaCl Oral	7,7	Friedman test (Dunn's multiple comparisons test)	0.0057
5b left; + Casp3 vs - Casp3	18, 8	two-tailed Mann-Whitney test	<0.0001
5b right; + Casp3 vs - Casp3	18, 8	two-tailed Mann-Whitney test	<0.0001
5f; + Ami vs - Ami	7,7	two-tailed Wilcoxon test	0.0469

Extended Data 1b -Water; Water vs 0.5M NaCl	9,9	two-tailed Wilcoxon test	0.0039
Extended Data 1b -Sodium; Water vs 0.5M NaCl	9,9	two-tailed Wilcoxon test	0.0039
Extended Data 2a left, 0.06 M NaCl; eYFP vs ChR2	5,4	two-tailed Mann-Whitney test	0.0159
Extended Data 2a right, 0.15 M NaCl; eYFP vs ChR2	5,4	two-tailed Mann-Whitney test	0.0159
Extended Data 2c left, KCl; NaCl vs KCl	9,9	Friedman test (Dunn's multiple comparisons test)	0.0044
Extended Data 2c left, KCl; KCl vs NaCl	9,9	Friedman test (Dunn's multiple comparisons test)	0.0019
Extended Data 2c right, Ami; - Ami vs + Ami	8,8	Friedman test (Dunn's multiple comparisons test)	0.0009
Extended Data 2c right, Ami; - Ami vs + Ami	8,8	Friedman test (Dunn's multiple comparisons test)	0.0248
Extended Data 3g left, - Sodium; Vehicle vs CNO	9,9	two-tailed Wilcoxon test	0.0078
Extended Data 4c; - Light vs + Light of Session 4	6,6	two-tailed Wilcoxon test	0.0313
Extended Data 5d right, NaCl; eYFP vs GCaMP6s	7,7	two-tailed Mann-Whitney test	0.007
Extended Data 5d right, Empty; eYFP vs GCaMP6s	4,4	two-tailed Mann-Whitney test	0.0286
Extended Data 5e left, KCl; KCl vs NaCl	9,9	two-tailed Wilcoxon test	0.0039
Extended Data 5e left, Ami; + Ami vs - Ami	9,9	two-tailed Wilcoxon test	0.0273
Extended Data 6b; - Light vs + Light	6,6	two-tailed Mann-Whitney test	0.0065