Supplemental Material for

Generalization of contextual fear is sex-specifically affected by high salt intake

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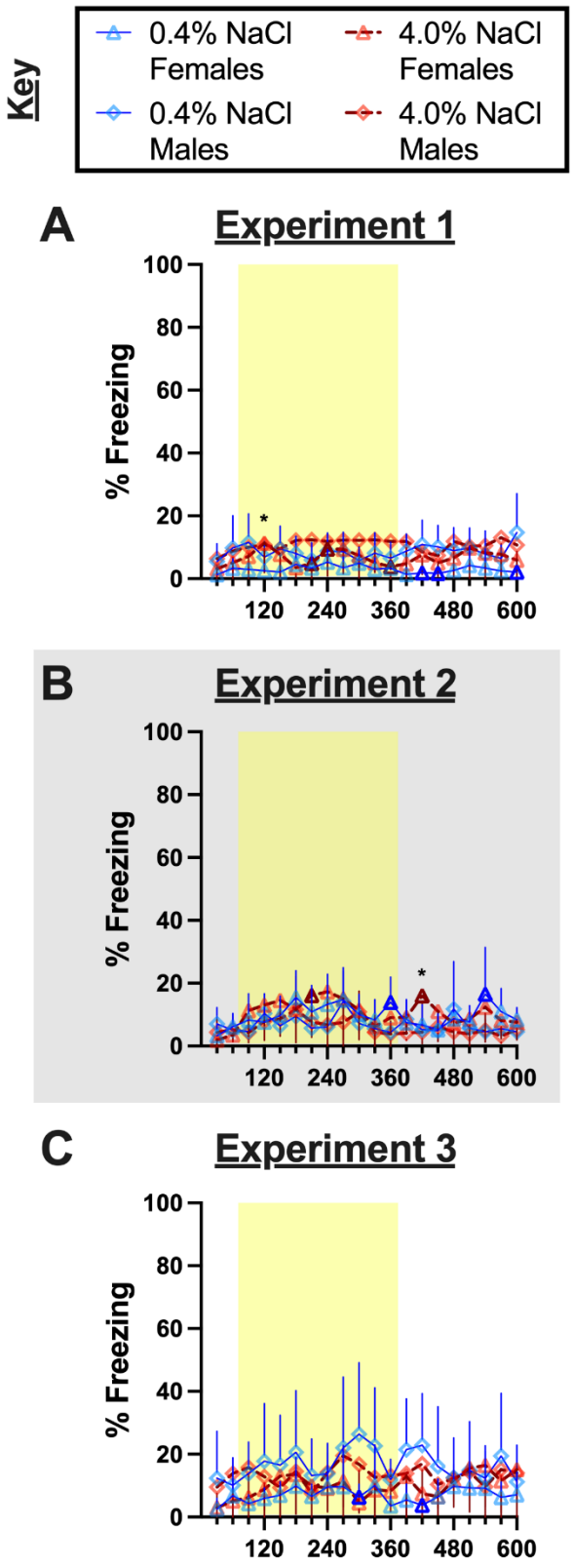
S3 Figure


Key
0.4% NaCl Females
4.0% NaCl Females
0.4% NaCl Males
4.0% NaCl Males
A
Experiment 1
% Freezing
100
80
60
40
20
0
120
240
360
480
600
*
B
Experiment 2
% Freezing
100
80
60
40
20
0
120
240
360
480
600
*
C
Experiment 3
% Freezing
100
80
60
40
20
0
120
240
360
480
600

S3 Fig. Time course of context fear expression testing in no shock groups. Females represented by triangles, males by diamonds; 0.4% NaCl represented by blue symbols and solid lines, 4.0% NaCl represented by red symbols and dashed lines. Percent freezing for each 30 s bin of the 10 min testing session is graphed for all mice. Yellow shading indicates minutes 2 through 6, which were averaged and analyzed as our original measure of context fear expression. Testing occurred A) 48 h after training in Experiment 1, during which mice underwent two weeks of diet manipulation; B) 48 h after training in Experiment 2 (grey shading), during which mice underwent six weeks of diet manipulation; and C) four weeks after training in Experiment 3, during which mice underwent six total weeks of diet manipulation (training occurred after two weeks of diet manipulation). Experiment 1: 0.4% NaCl females, n=9; 4.0% NaCl females, n=9; 0.4% NaCl males, n=8; 4.0% NaCl males, n=8. Experiment 2 (grey shading): 0.4% NaCl females, n=8; 4.0% NaCl females, n=8; 0.4% NaCl males, n=9; 4.0% NaCl males, n=9. Experiment 3: 0.4% NaCl females, n=8; 4.0% NaCl females, n=8; 0.4% NaCl males, n=7; 4.0% NaCl males, n=8. Data are graphed as mean ± 95% confidence interval; pairwise comparisons were made using Bonferroni correction. Thick symbol borders on female data indicate significant ($p<0.05$) differences between females and males for that specific diet. *$p<0.05$ indicates significant differences between females on 0.4% versus 4.0% NaCl.