

S1 Table. (A) Choice Experiment

(1) SURVIVAL

Kaplan-Meier Analyses

Overall Comparisons				
	Chi-Square	df	P-value	
Log Rank (Mantel-Cox)	94.435	3	<0.001	***

Test of equality of survival distributions for the different levels of Dose.

Pairwise Comparisons					
	Compared Doses		Chi-Square	P	
Log Rank (Mantel-Cox)	CTRL	LOW	0.095	0.757	
	CTRL	MED	42.033	<0.001	***
	CTRL	HIGH	11.253	0.001	***
	LOW	MED	37.929	<0.001	***
	LOW	HIGH	12.072	0.001	***
	MED	HIGH	94.599	<0.001	***

Mann-Whitney Comparisons

Day 7		Mann-Whitney U			
Compared Doses		MW-U	Z	P-value	
CTRL	LOW	255240.0	-0.583	0.560	
CTRL	MED	235440.0	-3.566	<0.001	***
CTRL	HIGH	246600.0	-1.850	0.064	
LOW	MED	231480.0	-4.147	<0.001	***
LOW	HIGH	250560.0	-1.267	0.205	
MED	HIGH	222840.0	-5.403	<0.001	***

Day 14		Mann-Whitney U			
Compared Doses		MW-U	Z	P-value	
CTRL	LOW	252000.0	-1.166	0.244	
CTRL	MED	232920.0	-4.113	<0.001	***
CTRL	HIGH	241920.0	-2.965	0.003	***
LOW	MED	240120.0	-2.954	0.003	***
LOW	HIGH	234720.0	-4.122	<0.001	***
MED	HIGH	215640.0	-7.028	<0.001	***

One-Way ANOVA

Test of Homogeneity of Variances				
Variables	Levene Stat	df1	df2	P-value
Day 7	0.347	3	20	0.792
Day 14	1.472	3	20	0.252

ANOVA						
Variables		Σ Squares	df	Mean Square	F	P-value
Day 7	Between Groups	26.832	3	8.944	0.546	0.657
	Within Groups	327.635	20	16.382		
	Total	354.467	23			
Day 14	Between Groups	388.202	3	129.401	1.203	0.334
	Within Groups	2152.084	20	107.604		
	Total	2540.287	23			

S1 Table. (A) Choice Experiment

(3) SUCROSE RESPONSE

Kruskal-Wallis Analyses

Non-Parametric Overall Comparison				
Variables	Chi-Square	df	P-value	
Day 7	0.03%	0.819	3	0.845
	0.10%	2.858	3	0.414
	0.30%	3.054	3	0.383
	1.0%	1.682	3	0.641
	3.0%	2.492	3	0.477
	10%	3.646	3	0.302
	30%	1.715	3	0.634

Variables	Chi-Square	df	P-value		
Day 14	0.03%	4.074	3	0.254	
	0.10%	3.981	3	0.264	
	0.30%	0.656	3	0.884	
	1.0%	3.036	3	0.386	
	3.0%	6.123	3	0.106	
	10%	10.731	3	0.013	*
	30%	10.023	3	0.018	*

Post-hoc Analyses

Non-Parametric Pairwise Comparisons				
Day 14 - Sucrose 10%		Mann-Whitney U		
Compared Doses		MW-U	Z	P-value
CTRL	LOW	1390.0	-0.296	0.768
CTRL	MED	983.0	-2.702	0.007 **
CTRL	HIGH	802.0	-2.101	0.036 *
LOW	MED	1002.0	-2.415	0.016 *
LOW	HIGH	816.0	-1.834	0.067
MED	HIGH	895.0	-0.416	0.678

Day 14 - Sucrose 30%				
Compared Doses		MW-U	Z	P-value
CTRL	LOW	1361.0	-0.518	0.604
CTRL	MED	1052.0	-2.066	0.039 *
CTRL	HIGH	823.0	-1.859	0.063
LOW	MED	969.0	-2.550	0.011 *
LOW	HIGH	758.5	-2.316	0.021 *
MED	HIGH	924.5	-0.066	0.948

S1 Table. (B) No-Choice Experiment – data separated by THX doses (all diets pooled)

(1) SURVIVAL

Kaplan-Meier Analyses

Overall Comparisons				
	Chi-Square	df	P-value	
Log Rank (Mantel-Cox)	67.696	3	<0.001	***

Test of equality of survival distributions for the different levels of Dose.

Pairwise Comparisons					
		Compared Doses	Chi-Square	P-value	
Log Rank (Mantel-Cox)	CTRL	LOW	25.433	<0.001	***
	CTRL	MED	2.419	0.120	
	CTRL	HIGH	25.410	<0.001	***
	LOW	MED	42.028	<0.001	***
	LOW	HIGH	0.222	0.637	
	MED	HIGH	39.156	<0.001	***

Mann-Whitney Comparisons

		Day 7	Mann-Whitney U		
		Compared Doses	MW-U	Z	P-value
CTRL	LOW	1014909.0	-2.213	0.027	*
CTRL	MED	1013685.0	-1.896	0.058	
CTRL	HIGH	862942.0	-10.040	<0.001	***
LOW	MED	1048317.5	-0.315	0.753	
LOW	HIGH	906042.0	-7.914	<0.001	***
MED	HIGH	895413.0	-8.208	<0.001	***

		Day 14	Mann-Whitney U		
		Compared Doses	MW-U	Z	P-value
CTRL	LOW	954338.0	-5.173	<0.001	***
CTRL	MED	1003572.5	-2.086	0.037	*
CTRL	HIGH	980056.0	-2.990	0.003	***
LOW	MED	917547.0	-7.252	<0.001	***
LOW	HIGH	1006204.0	-2.178	0.029	*
MED	HIGH	943905.0	-5.069	<0.001	***

S1 Table. (B) No-Choice Experiment – data separated by THX doses (all diets pooled)

(2) NUTRITION

One-Way ANOVA

Test of Homogeneity of Variances				
Variables	Levene Stat	df1	df2	P-value
Day 7	0.763	3	44	0.521
Day 14	2.297	3	44	0.091

ANOVA						
Variables		Σ Squares	df	Mean Square	F	P-value
Day 7	Between Groups	27.544	3	9.181	0.315	0.815
	Within Groups	1284.317	44	29.189		
	Total	1311.861	47			
Day 14	Between Groups	140.985	3	46.995	0.512	0.676
	Within Groups	4041.385	44	91.850		
	Total	4182.371	47			

S1 Table. (B) No-Choice Experiment – data separated by THX doses (all diets pooled)

(3) SUCROSE RESPONSE

Kruskal-Wallis Analyses

Non-Parametric Overall Comparison				
Variables	Chi-Square	df	P-value	
Day 7	0.03%	4.251	3	0.236
	0.10%	3.304	3	0.347
	0.30%	3.277	3	0.351
	1.0%	4.889	3	0.180
	3.0%	7.661	3	0.054
	10%	4.452	3	0.217
	30%	10.239	3	0.017 *

Variables	Chi-Square	df	P-value	
Day 14	0.03%	1.927	3	0.588
	0.10%	5.010	3	0.171
	0.30%	1.215	3	0.749
	1.0%	0.437	3	0.932
	3.0%	0.510	3	0.917
	10%	2.056	3	0.561
	30%	12.809	3	0.005 ***

Post-hoc Analyses

Non-Parametric Pairwise Comparisons				
Day 7 - Sucrose 30%		Mann-Whitney U		
Compared Doses	MW-U	Z	P-value	
CTRL	LOW	5769.0	-1.240	0.215
CTRL	MED	5253.0	-2.141	0.032 *
CTRL	HIGH	4161.0	-3.063	0.002 ***
LOW	MED	5939.0	-0.940	0.347
LOW	HIGH	4729.0	-1.929	0.054
MED	HIGH	4836.0	-1.017	0.309

Day 14 - Sucrose 30%		Mann-Whitney U		
Compared Doses	MW-U	Z	P-value	
CTRL	LOW	4982.0	-0.278	0.781
CTRL	MED	3816.5	-2.901	0.004 ***
CTRL	HIGH	4283.0	-2.218	0.027 *
LOW	MED	4152.0	-2.707	0.007 **
LOW	HIGH	4656.0	-1.999	0.046 *
MED	HIGH	4484.0	-0.745	0.456

S1 Table. (C) No-Choice Experiment – data separated by dietary protein (all doses pooled)

(1) SURVIVAL

Kaplan-Meier Analyses

Overall Comparisons				
	Chi-Square	df	P-value	
Log Rank (Mantel-Cox)	166.477	3	<0.001	***

Test of equality of survival distributions for the different levels of Diet.

Mann-Whitney Comparisons

Day 7		Mann-Whitney U			
Compared Diets		MW-U	Z	P-value	
0:1	1:100	954995.0	-5.469	<0.001	***
0:1	1:30	933945.5	-6.724	<0.001	***
0:1	1:3	967928.5	-4.155	<0.001	***
1:100	1:30	1027043.0	-1.280	0.201	
1:100	1:3	881421.0	-9.562	<0.001	***
1:30	1:3	860497.5	-10.786	<0.001	***

Pairwise Comparisons					
	Compared Diets		Chi-Square	P-value	
Log Rank (Mantel-Cox)	0:1	1:100	58.939	<0.001	***
	0:1	1:30	170.382	<0.001	***
	0:1	1:3	41.150	<0.001	***
	1:100	1:30	36.155	<0.001	***
	1:100	1:3	0.003	0.954	
	1:30	1:3	30.974	<0.001	***

Day 14		Mann-Whitney U			
Compared Diets		MW-U	Z	P-value	
0:1	1:100	941693.5	-5.860	<0.001	***
0:1	1:30	810587.5	-12.541	<0.001	***
0:1	1:3	880573.0	-8.983	<0.001	***
1:100	1:30	916577.5	-6.805	<0.001	***
1:100	1:3	986805.5	-3.170	0.002	***
1:30	1:3	973930.0	-3.648	<0.001	***

S1 Table. (C) No-Choice Experiment – data separated by dietary protein (all doses pooled)

(2) NUTRITION

One-Way ANOVA

Test of Homogeneity of Variances				
Variables	Levene Stat	df1	df2	Sig.
Day 7	1.983	3	44	0.130
Day 14	5.037	3	44	0.004

ANOVA						
Variables		Σ Squares	df	Mean Square	F	Sig.
Day 7	Between Groups	56.385	3	18.795	0.659	0.582
	Within Groups	1255.476	44	28.534		
	Total	1311.861	47			
Day 14	Between Groups	612.792	3	204.264	2.518	0.070
	Within Groups	3569.578	44	81.127		
	Total	4182.371	47			

Note: because of non-homogenous variances on Day 14, One-way ANOVA is not applicable here.

Kruskal-Wallis ANOVA

Non-Parametric Overall Comparison			
	Chi-Square	df	P-value
Kruskal-Wallis on Day 14	8.485	3	0.037 *

Non-Parametric Pairwise Comparisons				
Day 14		Mann-Whitney U		
Compared Diets		MW-U	Z	P-value
0:1	1:100	34.000	-2.194	0.028 *
0:1	1:30	32.000	-2.309	0.021 *
0:1	1:3	35.000	-2.136	0.033 *
1:100	1:30	50.000	-1.270	0.204
1:100	1:3	55.000	-0.981	0.326
1:30	1:3	67.000	-0.289	0.773

S1 Table. (C) No-Choice Experiment – data separated by dietary protein (all doses pooled)

(3) SUCROSE RESPONSE

Kruskal-Wallis Analyses

Non-Parametric Overall Comparison				
Variables	Chi-Square	df	P-value	
Day 7	0.03%	4.384	3	0.223
	0.10%	3.500	3	0.321
	0.30%	25.273	3	<0.001 ***
	1.0%	38.988	3	<0.001 ***
	3.0%	11.357	3	0.010 **
	10%	4.724	3	0.193
	30%	7.518	3	0.057

Variables	Chi-Square	df	P-value	
Day 14	0.03%	2.435	3	0.487
	0.10%	1.328	3	0.710
	0.30%	9.582	3	0.022 *
	1.0%	23.527	3	<0.001 ***
	3.0%	4.179	3	0.243
	10%	2.326	3	0.507
	30%	1.272	3	0.736

Post-hoc Analyses (1/2)

Non-Parametric Pairwise Comparisons				
Day 7 - Sucrose 0.30%		Mann-Whitney U		
Compared Diets	MW-U	Z	P-value	
0:1	1:100	6053.0	-0.400	0.689
0:1	1:30	4694.0	-3.991	<0.001 ***
0:1	1:3	4961.0	-2.697	0.007 ***
1:100	1:30	4958.5	-3.798	<0.001 ***
1:100	1:3	5236.5	-2.427	0.015 *
1:30	1:3	4864.5	-1.491	0.136

Day 7 - Sucrose 1.0%		Mann-Whitney U		
Compared Diets	MW-U	Z	P-value	
0:1	1:100	5293.5	-2.953	0.003 ***
0:1	1:30	4440.0	-3.327	0.001 ***
0:1	1:3	5419.5	-0.116	0.908
1:100	1:30	3867.0	-6.004	<0.001 ***
1:100	1:3	4986.5	-2.814	0.005 ***
1:30	1:3	4119.0	-3.369	0.001 ***

S1 Table. (C) No-Choice Experiment – data separated by dietary protein (all doses pooled)

(3) SUCROSE RESPONSE

Post-hoc Analyses (2/2)

Day 7 - Sucrose 3.0%		Mann-Whitney U		
Compared Diets		MW-U	Z	P-value
0:1	1:100	6071.5	-0.082	0.935
0:1	1:30	4528.0	-2.895	0.004 ***
0:1	1:3	5021.5	-1.220	0.223
1:100	1:30	4767.0	-2.851	0.004 ***
1:100	1:3	5282.5	-1.154	0.249
1:30	1:3	4651.0	-1.653	0.098

Day 14 - Sucrose 0.30%		Mann-Whitney U		
Compared Diets		MW-U	Z	P-value
0:1	1:100	4327.5	-1.778	0.075
0:1	1:30	3998.5	-2.375	0.018 *
0:1	1:3	3721.5	-3.045	0.002 ***
1:100	1:30	5111.0	-0.673	0.501
1:100	1:3	4779.0	-1.431	0.152
1:30	1:3	4777.5	-0.756	0.450

Day 14 - Sucrose 1.0%		Mann-Whitney U		
Compared Diets		MW-U	Z	P-value
0:1	1:100	4612.5	-0.399	0.690
0:1	1:30	3940.5	-1.990	0.047 *
0:1	1:3	3289.5	-3.710	<0.001 ***
1:100	1:30	4471.0	-2.483	0.013 *
1:100	1:3	3714.0	-4.267	<0.001 ***
1:30	1:3	4356.5	-1.832	0.067