Supplemental material

Supplemental Table 1 - Regressions of ad libitum snack intake from virtual portions[1]

			Ad libitum snack intake					
			After rest			After stress		
			M&Ms	Oreos	Potato chips	M&Ms	Oreos	Potato chips
1	Momentary rest portion	Potato chips	-0.06	-0.12	**0.55***	-0.09	-0.22	0.32
2		Apples	-0.18	-0.16	0.09	-0.25	-0.21	-0.12
3		Olives	-0.03	-0.14	0.59*	-0.06	-0.11	**0.62***
4		Milk chocolate	0.38*	0.27	0.28	0.49	0.27	0.15
5		Pretzels	0.06	0.13	0.30	-0.05	0.07	0.13
6		Caramel popcorn	0.12	-0.02	0.35	0.09	-0.05	0.26
7	Momentary stress portion	Potato chips	0.08	-0.22	0.34	0.14	-0.19	0.43*
8		Apples	0.02	0.11	0.04	-0.06	0.18	<0.01
9		Olives	0.08	-0.11	0.50*	0.07	-0.06	0.59*
10		Milk chocolate	0.50*	0.17	0.18	**0.71***	0.24	0.33
11		Pretzels	0.04	0.19	0.33	-0.12	0.16	0.32
12		Caramel popcorn	0.06	-0.04	0.30	0.11	-0.02	0.44*
13	Typical portion	Potato chips	-0.05	-0.47*	0.39*	-0.03	-0.53*	0.31
14		Apples	0.02	-0.07	<0.01	-0.13	<0.01	-0.16
15		Olives	0.02	-0.13	**0.64***	0.04	-0.13	**0.70***
16		Milk chocolate	0.14	0.19	0.01	0.32	0.09	-0.04
17		Pretzels	-0.06	0.13	0.53*	-0.05	0.11	0.49*
18		Caramel popcorn	-0.08	0.08	0.27	-0.02	-0.01	0.07
19	Recalled stress portion	Potato chips	0.14	-0.42*	0.23	0.29	-0.48*	0.32
20		Apples	-0.09	-0.26	0.04	-0.16	-0.18	-0.02
21		Olives	0.13	-0.17	0.48*	0.27	-0.16	**0.65***
22		Milk chocolate	0.23	-0.03	0.08	0.54*	-0.03	0.22
23		Pretzels	0.08	-0.25	0.09	0.14	-0.16	0.15
24		Caramel popcorn	0.15	-0.12	0.22	0.32	-0.16	0.25

[1] Table of compiled regression slopes for predictions of ad lib intake from virtual portions. Two sets of linear regression analyses were performed for convergent and divergent validity. For the convergent predictions that virtual portions will predict intakes of similar foods, under similar theoretical eating contexts (recalled stress and momentary stress with “after stress” intake, and typical and momentary rest with “after rest” intake), p-values were held to Bonferroni correction ($k = 24$, $P \leq 0.002$). For the divergent predictions that virtual portions will not predict intakes if there is a mismatch in theoretical eating contexts (recalled stress and momentary stress with “after rest” intake, and typical and momentary rest with “after stress” intake) and/or in food type, p-values were held to Bonferroni correction ($k = 120$, $P \leq 0.0004$). Coefficients significant after Bonferroni correction are **bolded**. $N = 29$.

* Uncorrected $P < 0.05$

Supplemental Table 2 – Measures of central tendency and range for liking and frequency of snacks at screening[1]

	Liking (0-100mm)					Frequency (0-3 times/day)					Frequency (0-21 times/week)				
	Mean	**SEM**	**Median**	**Max**	**Min**	**Mean**	**SEM**	**Median**	**Max**	**Min**	**Mean**	**SEM**	**Median**	**Max**	**Min**
Snack items															
Potato chips	57.14	3.96	55.00	100.00	18.00	0.27	0.08	0.13	2.00	0.00	1.89	0.54	0.92	14.04	0.00
Apple slices	72.62	2.99	72.00	100.00	50.00	0.39	0.11	0.23	3.00	0.02	2.74	0.74	1.62	21.06	0.12
Olives	35.07	6.40	23.00	100.00	0.00	0.08	0.04	0.00	1.00	0.00	0.53	0.26	0.00	7.02	0.00
Milk chocolate	62.03	3.30	65.00	99.00	21.00	0.11	0.03	0.07	0.57	0.00	0.77	0.20	0.46	4.02	0.00
M&Ms	42.36	1.43	47.50	94.00	0.00	0.01	0.00	0.00	0.13	0.00	0.05	0.01	0.00	0.92	0.00
Pretzels	56.48	3.40	55.00	91.00	0.00	0.08	0.02	0.07	0.57	0.00	0.59	0.14	0.46	4.02	0.00
Caramel popcorn	57.97	3.87	57.00	86.00	0.00	0.03	0.01	0.01	0.28	0.00	0.23	0.08	0.06	2.00	0.00
Golden Oreos	61.21	1.76	67.00	92.00	0.00	0.09	0.01	0.07	0.28	0.00	0.64	0.05	0.46	1.99	0.00

[1] Table of means, standard error of the mean (SEM), median as well as the maximum and minimum values for virtual liking (0-100mm VAS, collected at screening), and frequency expressed in times/day and times/week for all study participants (N = 29).

Supplemental Table 3 – Measures of central tendency and range for post-consumption liking[1]

Snack		Mean	SEM	Median	Max	Min
M&Ms	Stress	9.50	0.23	9.80	14.80	0.50
	Rest	9.42	0.20	9.30	13.50	0.70
	Difference	0.08	0.12	-0.20	4.90	-2.80
Potato chips	Stress	10.55	0.15	10.90	14.80	5.70
	Rest	10.57	0.15	11.00	15.00	6.30
	Difference	-0.02	0.09	-0.10	2.60	-2.60
Oreos	Stress	8.68	1.93	88.00	13.10	1.20
	Rest	8.83	1.81	86.00	13.10	0.60
	Difference	-0.15	1.37	-4.00	5.40	-3.80

[1] Table of means, standard error of the mean (SEM), median as well as the maximum and minimum values for post-consumption laboratory snack liking (0-15 ordinal scale) of each snack for all study participants (N = 29).

Supplemental Table 4 – Regressions of liking after eating from virtual liking[1]

	Snack	Condition	Dependent	Parameter	Value	SEM	T	R^2	P
1	M&Ms	Stress	Liking after eating	Intercept	60.78	12.92	4.70	0.23	<0.0001
2				Virtual liking	0.78	0.28	2.78		0.01
3		Rest	Liking after eating	Intercept	59.77	10.31	5.80	0.32	<0.0001
4				Virtual liking	0.78	0.22	3.49		**0.002**
5	Chips	Stress	Liking after eating	Intercept	71.18	8.74	8.14	0.39	<0.0001
6				Virtual liking	0.60	0.14	4.18		**<0.001**
7		Rest	Liking after eating	Intercept	68.90	8.47	8.13	0.44	<0.0001
8				Virtual liking	0.64	0.14	4.62		**<0.0001**
9	Oreos	Stress	Liking after eating	Intercept	75.96	13.79	5.51	0.02	<0.0001
10				Virtual liking	0.16	0.21	0.74		0.47
11		Rest	Liking after eating	Intercept	72.57	12.68	5.72	0.05	<0.0001
12				Virtual liking	0.24	0.19	1.22		0.23

[1] Table of statistics for Pearson linear regressions of liking after eating in the laboratory, under either the stress or rest condition, from virtual liking, collected during screening. Values are for each parameter (intercept or virtual liking slope). P-values were held to Bonferroni correction ($k = 6$, $P \leq 0.008$ are significant and **bolded**). $N = 29$. SEM, standard error of the mean, MS, mean square.

Supplemental Table 5 – Regressions of virtual portion size created from virtual liking at screening[1]

	Virtual food	Dependent	Parameter	Value	SEM	T	R^2	P
1	Chips	Typical	Intercept	6.86	20.53	0.33	0.30	0.74
2			Virtual liking	1.15	0.34	3.40		**0.002**
3	Apples	Typical	Intercept	80.84	86.21	0.94	0.07	0.36
4			Virtual liking	1.61	1.16	1.38		0.18
5	Olives	Typical	Intercept	-23.85	25.56	-0.93	0.46	0.36
6			Virtual liking	2.50	0.52	4.77		**<0.0001**
7	Chocolate	Typical	Intercept	-102.05	67.39	-1.51	0.31	0.14
8			Virtual liking	3.62	1.05	3.46		**0.002**
9	Pretzels	Typical	Intercept	-12.10	18.09	-0.67	0.29	0.51
10			Virtual liking	1.02	0.31	3.33		**0.003**
11	Caramel Popcorn	Typical	Intercept	-161.34	146.16	-1.10	0.28	0.28
12			Virtual liking	7.72	2.38	3.25		**0.003**
13	Chips	Recalled stress	Intercept	9.91	27.92	0.36	0.16	0.73
14			Virtual liking	1.05	0.46	2.28		0.03
15	Apples	Recalled stress	Intercept	5.12	147.23	0.03	0.05	0.97
16			Virtual liking	2.25	1.98	1.13		0.27
17	Olives	Recalled stress	Intercept	-19.38	30.68	-0.63	0.35	0.53
18			Virtual liking	2.43	0.63	3.85		**0.001**
19	Chocolate	Recalled stress	Intercept	24.24	86.95	0.28	0.07	0.78
20			Virtual liking	1.96	1.35	1.45		0.16
21	Pretzels	Recalled stress	Intercept	3.04	33.84	0.09	0.09	0.93
22			Virtual liking	0.90	0.57	1.58		0.12
23	Caramel Popcorn	Recalled stress	Intercept	78.64	174.96	0.45	0.06	0.66
24			Virtual liking	3.82	2.85	1.34		0.19
25	Chips	Momentary stress	Intercept	5.94	18.08	0.33	0.26	0.75
26			Virtual liking	0.92	0.30	3.09		**0.005**
27	Apples	Momentary stress	Intercept	56.78	92.62	0.61	0.03	0.55
28			Virtual liking	1.17	1.25	0.94		0.36
29	Olives	Momentary stress	Intercept	-19.20	22.39	-0.86	0.44	0.40
30			Virtual liking	2.11	0.46	4.59		**<0.0001**
31	Chocolate	Momentary stress	Intercept	-11.33	68.98	-0.16	0.10	0.87
32			Virtual liking	1.86	1.07	1.74		0.09
33	Pretzels	Momentary stress	Intercept	-20.89	14.74	-1.42	0.39	0.17
34			Virtual liking	1.02	0.25	4.12		**0.0003**
35	Caramel Popcorn	Momentary stress	Intercept	-51.09	120.58	-0.42	0.17	0.68
36			Virtual liking	4.56	1.96	2.33		0.03

37	Chips	Momentary rest	Intercept	-10.74	19.68	-0.55	0.31	0.59
38			Virtual liking	1.13	0.32	3.51		**0.002**
39	Apples	Momentary rest	Intercept	93.78	129.10	0.73	0.02	0.47
40			Virtual liking	1.25	1.74	0.72		0.48
41	Olives	Momentary rest	Intercept	-27.95	26.46	-1.06	0.45	0.30
42			Virtual liking	2.54	0.54	4.68		**<0.0001**
43	Chocolate	Momentary rest	Intercept	-51.85	61.89	-0.84	0.19	0.41
44			Virtual liking	2.39	0.96	2.49		0.02
45	Pretzels	Momentary rest	Intercept	-6.06	16.03	-0.38	0.25	0.71
46			Virtual liking	0.82	0.27	3.02		0.01
47	Caramel Popcorn	Momentary rest	Intercept	8.93	97.02	0.09	0.14	0.93
48			Virtual liking	3.28	1.58	2.08		0.05

[1] Table of statistics for Pearson linear regressions of liking after eating in the laboratory, under either the stress or rest condition, from virtual liking, collected during screening. Values are for each parameter (intercept or virtual liking slope). P-values were held to Bonferroni correction ($k = 24$, $P \leq 0.002$ are significant and **bolded**). $N = 29$. SEM, standard error of the mean, MS, mean square.

Supplemental Table 6 – Regressions of virtual portion size created from consumption frequency[1]

	Food	Dependent	Parameter	Value	SEM	T	R^2	P
1	Chips	Typical	Intercept	56.04	8.30	6.75	0.33	<0.0001
2			Frequency	61.13	16.94	3.61		**0.001**
3	Apples	Typical	Intercept	169.96	21.25	8.00	0.16	<0.0001
4			Frequency	70.50	31.23	2.26		0.03
5	Olives	Typical	Intercept	21.76	12.86	1.69	0.75	0.10
6			Frequency	556.06	61.38	9.06		**<0.0001**
7	Chocolate	Typical	Intercept	95.80	25.86	3.70	0.10	0.001
8			Frequency	239.90	139.03	1.73		0.10
9	Pretzels	Typical	Intercept	38.04	7.92	4.80	0.08	<0.0001
10			Frequency	85.92	57.80	1.49		0.15
11	Caramel Popcorn	Typical	Intercept	242.86	62.12	3.91	0.08	0.0006
12			Frequency	1315.77	868.93	1.51		0.14
13	Chips	Recalled stress	Intercept	61.21	12.20	5.02	0.06	<0.0001
14			Frequency	31.28	24.90	1.26		0.22
15	Apples	Recalled stress	Intercept	136.32	37.64	3.62	0.07	0.001
16			Frequency	81.74	55.32	1.48		0.15
17	Olives	Recalled stress	Intercept	28.47	20.42	1.39	0.49	0.17
18			Frequency	491.59	97.44	5.05		**<0.0001**
19	Chocolate	Recalled stress	Intercept	118.17	29.04	4.07	0.09	0.0004
20			Frequency	250.14	156.14	1.60		0.12
21	Pretzels	Recalled stress	Intercept	43.40	13.15	3.30	0.06	0.003
22			Frequency	127.93	95.91	1.33		0.19
23	Caramel Popcorn	Recalled stress	Intercept	265.44	66.27	4.01	0.05	0.0004
24			Frequency	1056.58	926.92	1.14		0.26
25	Chips	Momentary stress	Intercept	45.07	7.28	6.19	0.29	<0.0001
26			Frequency	49.64	14.87	3.34		**<0.005**
27	Apples	Momentary stress	Intercept	119.80	23.31	5.14	0.09	<0.0001
28			Frequency	56.08	34.26	1.64		0.11
29	Olives	Momentary stress	Intercept	19.93	12.34	1.62	0.69	0.12
30			Frequency	459.24	58.87	7.80		**<0.0001**
31	Chocolate	Momentary stress	Intercept	89.11	23.99	3.71	0.04	<0.001
32			Frequency	137.25	128.98	1.06		0.30
33	Pretzels	Momentary stress	Intercept	22.80	5.68	4.01	0.38	<0.001
34			Frequency	168.54	41.44	4.07		**<0.001**
35	Caramel Popcorn	Momentary stress	Intercept	209.71	49.57	4.23	<0.001	<0.001
36			Frequency	108.19	693.38	0.16		0.88

37	Chips	Momentary rest	Intercept	42.63	8.91	4.78	0.17	<0.0001
38			Frequency	42.55	18.20	2.34		0.03
39	Apples	Momentary rest	Intercept	181.65	33.83	5.37	<0.001	<0.0001
40			Frequency	6.77	49.72	0.14		0.89
41	Olives	Momentary rest	Intercept	16.80	12.08	1.39	0.79	0.18
42			Frequency	585.79	57.64	10.16		**<0.0001**
43	Chocolate	Momentary rest	Intercept	84.38	22.77	3.71	0.03	0.001
44			Frequency	110.14	122.40	0.90		0.38
45	Pretzels	Momentary rest	Intercept	31.29	6.55	4.78	0.15	<0.0001
46			Frequency	104.99	47.79	2.20		0.04
47	Caramel Popcorn	Momentary rest	Intercept	204.66	39.17	5.22	<0.01	<0.0001
48			Frequency	-164.20	547.89	-0.30		0.77

[1] Table of statistics for Pearson linear regressions of virtual portion size created for each context (typical, recalled stress, momentary rest, and momentary stress) from consumption frequency (times per day). Values are for each parameter (intercept or frequency slope). P-values were held to Bonferroni correction ($k = 24$, $P \leq 0.002$ are significant and **bolded**). $N = 29$. SEM, standard error of the mean, MS, mean square.

Supplemental Table 7– Regressions of intake from liking and frequency[1]

	Snack	Condition	Dependent	Parameter	Value	SEM	T	R^2	P
1	M&Ms	Stress	Intake	Intercept	14.08	8.64	1.63	0.01	0.12
2				Virtual liking	0.11	0.19	0.60		0.56
3				Intercept	19.49	3.57	5.45	<0.01	<0.0001
4				Frequency	0.01	0.39	0.03		0.98
5				Intercept	-0.60	10.53	-0.06	0.13	0.96
6				Liking after eating	0.21	0.11	2.01		0.06
7		Rest	Intake	Intercept	18.24	7.55	2.41	0.002	0.02
8				Virtual liking	-0.03	0.16	-0.21		0.84
9				Intercept	18.54	3.13	5.92	0.03	<0.0001
10				Frequency	-0.33	0.35	-0.97		0.34
11				Intercept	-2.54	10.68	-0.24	0.13	0.81
12				Liking after eating	0.21	0.11	1.97		0.06
13	Chips	Stress	Intake	Intercept	7.39	8.81	0.84	0.08	0.41
14				Virtual liking	0.22	0.14	1.54		0.13
15				Intercept	15.06	3.33	4.52	0.22	0.0001
16				Frequency	0.05	0.02	2.79		0.01
17				Intercept	-23.37	14.63	-1.60	0.25	0.12
18				Liking after eating	0.41	0.14	3.03		0.01
19		Rest	Intake	Intercept	10.43	8.90	1.17	0.05	0.25
20				Virtual liking	0.17	0.15	1.17		0.25
21				Intercept	14.78	3.23	4.57	0.26	<0.0001
22				Frequency	0.06	0.02	3.07		**0.005**
23				Intercept	2.93	16.32	0.18	0.04	0.86
24				Liking after eating	0.16	0.15	1.08		0.29
25	Oreos	Stress	Intake	Intercept	15.11	14.31	1.06	0.03	0.30
26				Virtual liking	0.20	0.22	0.91		0.37
27				Intercept	25.53	6.91	3.69	0.004	0.001
28				Frequency	0.05	0.15	0.34		0.74
29				Intercept	-12.11	15.53	-0.78	0.20	0.44
30				Liking after eating	0.45	0.17	2.64		0.01
31		Rest	Intake	Intercept	14.71	16.23	0.91	0.03	0.37
32				Virtual liking	0.23	0.25	0.93		0.36
33				Intercept	28.82	7.92	3.64	<0.01	0.001
34				Virtual liking	-0.02	0.17	-0.11		0.91
35				Intercept	-12.42	19.95	-0.62	0.14	0.54
36				Liking after eating	0.46	0.22	2.11		0.04

[1] Table of statistics for Pearson linear regressions of stress and rest intake of all three snacks (M&Ms, chips, and Oreos) from virtual liking (VAS, 0-100mm), collected at screening, liking after eating (0-15 ordinal scale), and consumption frequency (times per day). Regressions were done separately for each of these variables. Values are for each parameter (intercept or slope for virtual liking, frequency, or liking after eating). P-values were held to Bonferroni correction for prediction for each snack ($k = 6$, $P \leq 0.008$ are significant and **bolded**). $N = 29$. SEM, standard error of the mean, MS, mean square.

Supplemental Table 8 – Linear regressions of intakes from portion-by-frequency interactions[1]

	Dependent	Parameter	Virtual food	Value	SEM	T	R^2	P
1	Rest intake (M&Ms)	Intercept		18.96	3.27	5.80	0.03	<0.0001
2		Typical x Frequency	Chips	-0.04	0.04	-0.98		0.33
3	Rest intake (M&Ms)	Intercept		15.98	3.30	4.85	0.05	<0.0001
4		Typical x Frequency	Apples	0.02	0.01	1.21		0.24
5	Rest intake (M&Ms)	Intercept		17.85	3.13	5.69	<0.01	<0.0001
6		Typical x Frequency	Olives	-0.01	0.03	-0.23		0.82
7	Rest intake (M&Ms)	Intercept		17.34	3.44	5.05	<0.01	<0.0001
8		Typical x Frequency	Chocolate	0.02	0.08	0.22		0.83
9	Rest intake (M&Ms)	Intercept		19.52	3.66	5.33	0.03	<0.0001
10		Typical x Frequency	Pretzels	-0.38	0.43	-0.88		0.39
11	Rest intake (M&Ms)	Intercept		16.36	3.21	5.10	0.05	<0.0001
12		Typical x Frequency	Caramel Popcorn	0.09	0.08	1.13		0.27
13	Stress intake (M&Ms)	Intercept		21.52	3.65	5.89	0.06	<0.0001
14		Recalled stress x Frequency	Chips	-0.08	0.06	-1.32		0.20
15	Stress intake (M&Ms)	Intercept		19.74	3.72	5.31	<0.01	<0.0001
16		Recalled stress x Frequency	Apples	<0.01	0.02	-0.15		0.88
17	Stress intake (M&Ms)	Intercept		20.06	3.49	5.74	0.02	<0.0001
18		Recalled stress x Frequency	Olives	-0.02	0.03	-0.68		0.50
19	Stress intake (M&Ms)	Intercept		19.09	3.71	5.15	<0.01	<0.0001
20		Recalled stress x Frequency	Chocolate	0.02	0.07	0.30		0.77
21	Stress intake (M&Ms)	Intercept		22.13	3.82	5.79	0.07	<0.0001
22		Recalled stress x Frequency	Pretzels	-0.43	0.31	-1.38		0.18
23	Stress intake (M&Ms)	Intercept		18.18	3.63	5.00	0.03	<0.0001
24		Recalled stress x Frequency	Caramel Popcorn	0.09	0.10	0.98		0.33

25	Rest intake (M&Ms)	Intercept		18.55	3.25	5.70	0.02	<0.0001
26		Momentary rest x Frequency	Chips	-0.04	0.05	-0.72		0.47
27	Rest intake (M&Ms)	Intercept		15.55	3.64	4.28	0.04	<0.01
28		Momentary rest x Frequency	Apples	0.03	0.03	1.04		0.31
29	Rest intake (M&Ms)	Intercept		17.82	3.14	5.68	<0.01	<0.0001
30		Momentary rest x Frequency	Olives	<0.01	0.03	-0.18		0.86
31	Rest intake (M&Ms)	Intercept		15.62	3.18	4.91	0.09	<0.0001
32		Momentary rest x Frequency	Chocolate	0.16	0.10	1.63		0.11
33	Rest intake (M&Ms)	Intercept		18.98	3.64	5.21	0.02	<0.0001
34		Momentary rest x Frequency	Pretzels	-0.28	0.44	-0.64		0.53
35	Rest intake (M&Ms)	Intercept		15.80	3.44	4.60	0.04	<0.0001
36		Momentary rest x Frequency	Caramel Popcorn	0.32	0.29	1.11		0.27
37	Stress intake (M&Ms)	Intercept		21.04	3.68	5.72	0.04	<0.0001
38		Momentary stress x Frequency	Chips	-0.06	0.06	-1.03		0.31
39	Stress intake (M&Ms)	Intercept		19.78	3.94	5.03	<0.01	<0.0001
40		Momentary stress x Frequency	Apples	<0.01	0.03	-0.14		0.89
41	Stress intake (M&Ms)	Intercept		20.14	3.51	5.74	0.02	<0.0001
42		Momentary stress x Frequency	Olives	-0.03	0.04	-0.72		0.48
43	Stress intake (M&Ms)	Intercept		16.98	3.64	4.67	0.09	<0.0001
44		Momentary stress x Frequency	Chocolate	0.17	0.11	1.60		0.12
45	Stress intake (M&Ms)	Intercept		21.26	3.60	5.90	0.06	<0.0001
46		Momentary stress x Frequency	Pretzels	-0.34	0.27	-1.27		0.22
47	Stress intake (M&Ms)	Intercept		19.78	3.77	5.24	<0.01	<0.0001
48		Momentary stress x Frequency	Caramel Popcorn	-0.03	0.21	-0.16		0.87

49	Rest intake (chips)	Intercept		15.94	2.71	5.89	0.37	<0.0001
50		Typical x Frequency	Chips	0.14	0.04	4.01		**0.0004**
51	Rest intake (chips)	Intercept		20.17	3.48	5.80	<0.01	<0.0001
52		Typical x Frequency	Apples	<0.01	0.02	0.05		0.96
53	Rest intake (chips)	Intercept		17.59	2.28	7.72	0.50	<0.0001
54		Typical x Frequency	Olives	0.10	0.02	5.20		**<0.0001**
55	Rest intake (chips)	Intercept		20.87	3.52	5.92	0.01	<0.0001
56		Typical x Frequency	Chocolate	-0.03	0.09	-0.39		0.70
57	Rest intake (chips)	Intercept		18.55	3.77	4.92	0.02	<0.0001
58		Typical x Frequency	Pretzels	0.35	0.45	0.79		0.44
59	Rest intake (chips)	Intercept		18.10	3.18	5.70	0.11	<0.0001
60		Typical x Frequency	Caramel Popcorn	0.15	0.08	1.85		0.08
61	Stress intake (chips)	Intercept		16.27	2.97	5.48	0.27	<0.0001
62		Recalled stress x Frequency	Chips	0.16	0.05	3.17		0.004
63	Stress intake (chips)	Intercept		20.11	3.43	5.87	<0.01	<0.0001
64		Recalled stress x Frequency	Apples	<0.01	0.01	0.05		0.96
65	Stress intake (chips)	Intercept		17.60	2.43	7.25	0.44	<0.0001
66		Recalled stress x Frequency	Olives	0.11	0.02	4.63		**<0.0001**
67	Stress intake (chips)	Intercept		21.05	3.40	6.19	0.02	<0.0001
68		Recalled stress x Frequency	Chocolate	-0.04	0.06	-0.67		0.51
69	Stress intake (chips)	Intercept		20.31	3.64	5.58	<0.01	<0.0001
70		Recalled stress x Frequency	Pretzels	-0.02	0.30	-0.08		0.94
71	Stress intake (chips)	Intercept		18.34	3.28	5.60	0.08	<0.0001
72		Recalled stress x Frequency	Caramel Popcorn	0.13	0.09	1.49		0.15

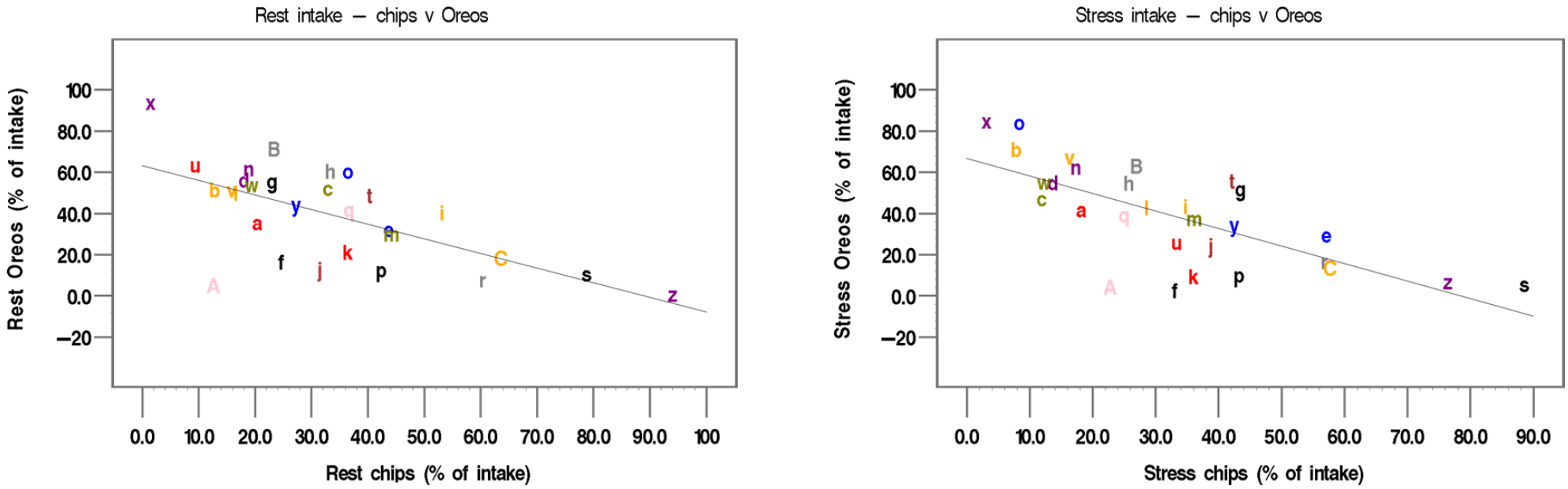
73	Rest intake (chips)	Intercept		15.95	2.50	6.37	0.45	<0.0001
74		Momentary rest x Frequency	Chips	0.20	0.04	4.69		**<0.0001**
75	Rest intake (chips)	Intercept		19.51	3.80	5.13	<0.01	<0.0001
76		Momentary rest x Frequency	Apples	0.01	0.03	0.34		0.74
77	Rest intake (chips)	Intercept		17.56	2.32	7.57	0.48	<0.0001
78		Momentary rest x Frequency	Olives	0.10	0.02	5.02		**<0.0001**
79	Rest intake (chips)	Intercept		19.81	3.42	5.80	<0.01	<0.0001
80		Momentary rest x Frequency	Chocolate	0.03	0.10	0.32		0.76
81	Rest intake (chips)	Intercept		20.28	3.77	5.38	<0.01	<0.0001
82		Momentary rest x Frequency	Pretzels	-0.01	0.45	-0.02		0.98
83	Rest intake (chips)	Intercept		17.98	3.50	5.14	0.06	<0.0001
84		Momentary rest x Frequency	Caramel Popcorn	0.38	0.29	1.31		0.20
85	Stress intake (chips)	Intercept		15.79	2.74	5.75	0.37	<0.0001
86		Momentary stress x Frequency	Chips	0.18	0.05	3.97		**0.0005**
87	Stress intake (chips)	Intercept		19.86	3.63	5.47	<0.01	<0.0001
88		Momentary stress x Frequency	Apples	<0.01	0.02	0.18		0.86
89	Stress intake (chips)	Intercept		17.52	2.52	6.97	0.41	<0.0001
90		Momentary stress x Frequency	Olives	0.12	0.03	4.29		**0.0002**
91	Stress intake (chips)	Intercept		20.86	3.50	5.96	0.01	<0.0001
92		Momentary stress x Frequency	Chocolate	-0.05	0.10	-0.45		0.66
93	Stress intake (chips)	Intercept		19.78	3.41	5.79	<0.01	<0.0001
94		Momentary stress x Frequency	Pretzels	0.08	0.26	0.30		0.77
95	Stress intake (chips)	Intercept		20.19	3.48	5.80	<0.01	<0.0001
96		Momentary stress x Frequency	Caramel Popcorn	<0.01	0.19	-0.01		0.99

97	Rest intake (Oreos)	Intercept		31.00	5.94	5.22	0.05	<0.0001
98		Typical x Frequency	Chips	-0.09	0.08	-1.19		0.25
99	Rest intake (Oreos)	Intercept		25.91	6.11	4.24	0.03	<0.01
100		Typical x Frequency	Apples	0.02	0.03	0.88		0.39
101	Rest intake (Oreos)	Intercept		28.84	5.72	5.05	0.01	<0.0001
102		Typical x Frequency	Olives	-0.02	0.05	-0.50		0.62
103	Rest intake (Oreos)	Intercept		24.05	6.05	3.98	0.08	<0.01
104		Typical x Frequency	Chocolate	0.22	0.15	1.50		0.15
105	Rest intake (Oreos)	Intercept		27.80	6.80	4.09	<0.01	<0.01
106		Typical x Frequency	Pretzels	0.08	0.80	0.11		0.92
107	Rest intake (Oreos)	Intercept		25.06	5.78	4.34	0.08	<0.01
108		Typical x Frequency	Caramel Popcorn	0.21	0.14	1.49		0.15
109	Stress intake (Oreos)	Intercept		30.82	5.11	6.03	0.10	<0.0001
110		Recalled stress x Frequency	Chips	-0.15	0.09	-1.70		0.10
111	Stress intake (Oreos)	Intercept		24.22	5.08	4.76	0.08	<0.0001
112		Recalled stress x Frequency	Apples	0.03	0.02	1.53		0.14
113	Stress intake (Oreos)	Intercept		27.94	4.99	5.60	0.02	<0.0001
114		Recalled stress x Frequency	Olives	-0.03	0.05	-0.64		0.53
115	Stress intake (Oreos)	Intercept		26.41	5.28	5.00	0.01	<0.0001
116		Recalled stress x Frequency	Chocolate	0.04	0.09	0.39		0.70
117	Stress intake (Oreos)	Intercept		29.04	5.59	5.19	0.02	<0.0001
118		Recalled stress x Frequency	Pretzels	-0.30	0.46	-0.66		0.51
119	Stress intake (Oreos)	Intercept		24.26	5.05	4.80	0.08	<0.0001
120		Recalled stress x Frequency	Caramel Popcorn	0.21	0.13	1.56		0.13

121	Rest intake (Oreos)	Intercept		29.69	5.96	4.98	0.02	<0.0001
122		Momentary rest x Frequency	Chips	-0.07	0.10	-0.68		0.50
123	Rest intake (Oreos)	Intercept		25.21	6.71	3.76	0.02	<0.01
124		Momentary rest x Frequency	Apples	0.04	0.05	0.79		0.44
125	Rest intake (Oreos)	Intercept		28.85	5.72	5.04	0.01	<0.0001
126		Momentary rest x Frequency	Olives	-0.02	0.05	-0.49		0.63
127	Rest intake (Oreos)	Intercept		22.79	5.51	4.14	0.18	<0.01
128		Momentary rest x Frequency	Chocolate	0.41	0.17	2.47		0.02
129	Rest intake (Oreos)	Intercept		28.60	6.71	4.26	<0.01	<0.01
130		Momentary rest x Frequency	Pretzels	-0.08	0.81	-0.11		0.92
131	Rest intake (Oreos)	Intercept		23.73	6.19	3.83	0.07	<0.01
132		Momentary rest x Frequency	Caramel Popcorn	0.76	0.52	1.47		0.15
133	Stress intake (Oreos)	Intercept		30.19	5.15	5.86	0.07	<0.0001
134		Momentary stress x Frequency	Chips	-0.12	0.09	-1.44		0.16
135	Stress intake (Oreos)	Intercept		21.51	5.15	4.17	0.16	<0.01
136		Momentary stress x Frequency	Apples	0.08	0.03	2.25		0.03
137	Stress intake (Oreos)	Intercept		27.68	5.03	5.50	0.01	<0.0001
138		Momentary stress x Frequency	Olives	-0.02	0.06	-0.38		0.71
139	Stress intake (Oreos)	Intercept		21.80	4.88	4.47	0.19	<0.01
140		Momentary stress x Frequency	Chocolate	0.37	0.15	2.55		0.02
141	Stress intake (Oreos)	Intercept		27.31	5.29	5.16	<0.01	<0.0001
142		Momentary stress x Frequency	Pretzels	-0.02	0.40	-0.05		0.96
143	Stress intake (Oreos)	Intercept		24.24	5.21	4.65	0.06	<0.0001
144		Momentary stress x Frequency	Caramel Popcorn	0.40	0.29	1.36		0.18

[1] Table of statistics for linear regressions of intakes of each snack (M&Ms, chips, and Oreos), under either the stress or rest condition, from portion-by-frequency interactions for each eating context (typical, recalled stress, momentary stress, and momentary rest). Values are for each parameter (intercept or portion x frequency slope). P-values were held to Bonferroni correction ($k = 72$, $P \leq 0.0007$ are significant and **bolded**). $N = 29$. SEM, standard error of the mean, MS, mean square.

Supplemental Figure 1



Linear regressions of percent of total intake (g) attributed by Oreo intake from percent of total intake attributed by chip intake at rest (left panel, b = -0.71, intercept = 63g, R^2 = 0.42, *P* = 0.0002) and stress (right panel, b = -0.85, intercept = 67g, R^2 = 0.51, *P* = 0.00001) for all participants (*N* = 29).