



**Figure S1.** Schematic conceptualisation of the key dimensions, items, and behavioural elements involved in the individual food-related pleasure response, allowing a holistic study of quantitative (level of pleasure) and qualitative (drivers of pleasure) aspects of food-related pleasure. The model is kindly borrowed from Andersen, B. V., Chan, R. C. K., & Byrne, D. V. (2021). A Conceptual Framework for Multi-Dimensional Measurements of Food Related Pleasure – The Food Pleasure Scale. *Foods*, 10(9), 2044. <https://doi.org/10.3390/foods10092044>

**Table S1.** Response variables with English and Danish phrasings as used in the questionnaires. Data were collected on a 5-point ordinal scale, where “1”=“Not important at all”, “2”=“Not important”, “3”=“Neither important nor not important”, “4”=“Important” and “5”=“Extremely important”.

	English phrasing	Danish Phrasing
Question for each item	“How important is the following for your experience of food pleasure when eating?”	“Hvor vigtigt er følgende for din generelle oplevelse af nydelse ved fødevarer, når du spiser?”
Item		
Memory	“To experience positive memories of food”	“At opleve positive minder om mad”
Need	“To experience satisfying a need”	“At opleve at få tilfredsstillet et behov”
Choice	“To experience having choices in the eating situation”	“At opleve at have valgmuligheder i spisesituationen”
Habit	“To be able to maintain a habit”	“At kunne bibeholde en vane”
Physical eating setting	“To experience positive physical surroundings”	“At opleve en positiv fysisk ramme”
Eating w. others	“To experience eating with others”	“At opleve at spise sammen med andre”
Eating alone	“To experience eating food when I am alone”	“At opleve at spise mad, når jeg er alene”
Variation	“To experience food variation”	“At opleve madvariation”
Familiarity	“To experience familiar food”	“At opleve bekendt mad”
Novelty	“To experience new (unknown) food”	“At opleve ny (ukendt) mad”
Food Appearance	“The appearance of the food”	“Madens udseende”
Food Odour	“The odour of the food”	“Madens duft”
Food Taste	“The taste / flavour of the food”	“Madens smag”
Food Texture	“The texture of the food”	“Madens tekstur”
Pleased senses	“To experience a satisfaction of the sense of sight, smell, taste and touch”	“At opleve en tilfredsstillelse af syns-, lugte-, smags- og fornemmelses-sansen”
Physical sensation	“To experience a positive physical sensation in the body after eating”	“At opleve en positiv fysisk fornemmelse i kroppen efter spisning”
Mental sensation	“To experience a positive mental feeling / sensation after eating”	“At opleve en positiv mental fornemmelse / følelse efter spisning”
Surprise	“To experience positive surprises from the meal”	“At opleve positive overraskelser ved maden”
Atmosphere	“To experience a positive atmosphere”	“At opleve en positiv stemning / atmosfære”

**Table S2.** Overview of distributions of all variables by the five segments and the 'Tie on first' subgroup as well as results of Chi  $\chi^2$  / Kruskal-Wallis tests.

	Total	Sensory Pleasure Seekers	Exploratory Pleasure Seekers	Contextual Pleasure Seekers	Confirming Pleasure Seekers	Internal Pleasure Seekers	Tie on first	Chi X². df.	p-value
	N <sub>total</sub> =355	N=176 (50%)	N=46 (13%)	N=60 (17%)	N=18 (5%)	N=121 (34%)	N=46 (13%)		
Socio-demographic variables									
Gender, Female/Male	284/71 (80%/20%)	142/34 (81%/19%)	35/11 (76%/24%)	47/13 (78%/22%)	11/7 (61%/39%)	95/26 (79%/21%)	33/13 (72%/28%)	3.18, df = 5	0.673
Age, mean (±SD)	33.34 ±13.07	34.71 (12.85)	29.03 (9.82)	35.16 (13.38)	40.60 (17.50)	32.71 (13.71)	35.04 (12.90)	50.04, df = 47	0.354*
Educational level								48.28, df = 35	0.067
Primary School	14 (4%)	7 (4%)	3 (7%)	1 (2%)	0 (0%)	5 (4%)	1 (2%)		
High School	115 (32%)	47 (27%)	20 (43%)	16 (27%)	7 (39%)	48 (40%)	12 (26%)		
Vocational Education	30 (8%)	20 (11%)	2 (4%)	1 (2%)	3 (17%)	8 (7%)	4 (9%)		
Short Higher Education	30 (8%)	15 (9%)	3 (7%)	6 (10%)	2 (11%)	12 (10%)	7 (15%)		
Medium Higher Education	82 (23%)	47 (27%)	7 (15%)	16 (27%)	3 (17%)	19 (16%)	7 (15%)		
Long Higher Education	74 (21%)	37 (21%)	10 (22%)	17 (28%)	3 (17%)	25 (21%)	14 (30%)		
PhD	9 (3%)	3 (2%)	0 (0%)	3 (5%)	0 (0%)	4 (3%)	1 (2%)		
Socioeconomic Status								59.81, df = 25	<0.001
Student	130 (37%)	53 (30%)	18 (49%)	19 (32%)	4 (22%)	52 (43%)	12 (26%)		
Unemployed	24 (7%)	14 (8%)	1 (2%)	4 (7%)	2 (11%)	6 (5%)	2 (4%)		
Employee	164 (46%)	95 (54%)	21 (46%)	26 (43%)	6 (33%)	46 (38%)	21 (46%)		
Self-employed	7 (2%)	5 (3%)	2 (4%)	3 (5%)	2 (11%)	5 (4%)	5 (11%)		
Pensioner	14 (4%)	4 (2%)	1 (2%)	6 (10%)	1 (6%)	6 (5%)	4 (9%)		
Other	16 (5%)	5 (3%)	3 (7%)	2 (3%)	3 (17%)	6 (5%)	2 (4%)		
People in the residency								44.54, df = 55	0.842
1	64 (18%)	26 (15%)	4 (9%)	11 (18%)	4 (22%)	28 (23%)	9 (20%)		
2	136 (38%)	64 (36%)	24 (52%)	25 (42%)	5 (28%)	41 (34%)	18 (39%)		
3	68 (19%)	35 (20%)	6 (13%)	10 (17%)	4 (22%)	24 (20%)	7 (15%)		
4	55 (15%)	36 (20%)	5 (11%)	7 (12%)	2 (11%)	14 (12%)	6 (13%)		
5 or more	32 (9%)	15 (9%)	7 /(15%)	7 (12%)	3 (17%)	14 (12%)	6 (13%)		
Children in the residency								20.95, df = 20	0.400
0	259 (70%)	112 (64%)	37 (80%)	43 (72%)	12 (67%)	93 (77%)	33 (72%)		
1	44 (12%)	24 (14%)	3 (7%)	6 (10%)	2 (11%)	14 (12%)	5 (11%)		
2	49 (14%)	34 (19%)	3 (7%)	7 (12%)	3 (17%)	11 (9%)	6 (13%)		
3	8 (2%)	4 (2%)	2 (4%)	3 (5%)	1 (6%)	2 (2%)	1 (2%)		
4 or more	4 (1%)	2 (1%)	1 (2%)	1 (2%)	0 (0%)	1 (1%)	1 (2%)		
Lifestyle and health related variables									

<b>Diet type</b>								42.23, df = 25	0.017
Omnivore	245 (69%)	131 (74%)	28 (61%)	45 (75%)	8 (44%)	78 (64%)	31 (67%)		
Flexitarian	53 (15%)	18 (10%)	10 (22%)	11 (18%)	7 (39%)	18 (15%)	9 (20%)		
Vegetarian	14 (4%)	5 (3%)	4(9%)	0 (0%)	0 (0%)	6 (5%)	1 (2%)		
Pescetarian	20 (6%)	13 (7%)	3 (7%)	2 (3%)	1 (6%)	8 (7%)	3 (7%)		
Vegan	7 (2%)	2 (1%)	0 (0%)	1 (2%)	0 (0%)	4 (3%)	0 (0%)		
Other	16 (5%)	7 (4%)	1 (2%)	0 (0%)	2 (11%)	7 (6%)	2 (4%)		
<b>BMI, mean (±SD)</b>	25.03 (±5.57)	25.00 (±5.27)	24.43 (±4.81)	26.35 (±5.97)	23.85 (±4.44)	25.44 (±6.45)	26.57 (±6.54)	309.21, df = 303	0.391*
<b>Physical Activity</b>								26.25, df = 20	0.158
Bedbound	1 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
Very low activity	18 (5%)	10 (6%)	1 (2%)	3 (5%)	1 (6%)	4 (3%)	1 (2%)		
Low activity	115 (32%)	61 (35%)	12 (26%)	19 (32%)	2 (11%)	33 (27%)	11 (24%)		
Moderate	164 (46%)	79 (45%)	25 (54%)	30 (50%)	6 (33%)	55 (45%)	23 (50%)		
High activity	57 (16%)	25 (14%)	8 (17%)	8 (13%)	9 (50%)	29 (24%)	11 (24%)		
<b>Smoking</b>								9.58, df = 10	0.478
Yes	42 (12%)	20 (11%)	7 (15%)	10 (17%)	4 (22%)	11 (9%)	5 (11%)		
No	266 (75%)	133 (76%)	29 (63%)	45 (75%)	12 (67%)	94 (78%)	34 (74%)		
Prior smoker	47 (13%)	23 (13%)	10 (22%)	5 (8%)	2 (11%)	16 (13%)	7 (15%)		
<b>Personality</b>									
Extrovert. Median (IQR)	3 (2-4)	3 (2-4)	4 (2-4)	3 (2-4)	2.5 (2-3)	3 (2-4)	3 (2-4)	36.20, df = 20	0.015
Introvert. Median (IQR)	3 (2-4)	3 (2-4)	2 (.25-3.75)	3 (2-4)	4 (3-4.75)	3 (2-4)	3 (2-4)	35.29, df = 20	0.019
<b>General health, Median (IQR)</b>	3 (3-4)	3 (3-4)	3 (3-4)	3 (3-4)	3 (2.25-4)	3 (3-4)	3.5 (3-4)	19.45, df = 20	0.493
<b>Eating differently because Health Worries, now</b>								7.46, df = 5	0.189
Yes	69 (19%)	142 (81%)	8 (17%)	15 (25%)	4 (22%)	26 (21%)	13 (28%)		
No	283 (80%)	32 (18%)	37 (80%)	45 (75%)	13 (72%)	94 (78%)	31 (67%)		
No comment	3 (1%)	2 (1%)	1 (2%)	0 (0%)	1 (6%)	1 (1%)	2 (4%)		
<b>Eating differently because Health Worries, prior</b>								8.76, df = 5	0.119
Yes	134 (38%)	108 (61%)	18 (39%)	16 (27%)	9 (50%)	48 (40%)	19 (41%)		
No	217 (61%)	67 (38%)	27 (59%)	44 (73%)	8 (44%)	71 (59%)	26 (57%)		
No comment	4 (1%)	1 (1%)	1 (2%)	0 (0%)	1 (6%)	2 (2%)	1 (2%)		
<b>Alcohol consumption, Median (IQR)</b>	2 (2-3)	2 (2-3)	3 (2-3)	2 (2-3)	2 (1.25-3)	2 (2-3)	2 (2-3)	23.03, df = 20	0.287
Never	50 (14%)	20 (11%)	9 (20%)	7 (12%)	5 (28%)	22 (18%)	6 (13%)		
Rarely	148 (42%)	73 (41%)	12 (26%)	27 (45%)	7 (39%)	54 (45%)	20 (43%)		
Sometimes	135 (38%)	73 (41%)	20 (43%)	19 (32%)	4 (22%)	40 (33%)	17 (37%)		
Often	17 (5%)	9 (5%)	5 (11%)	5 (8%)	2 (11%)	3 (2%)	3 (7%)		
Very often	5 (1%)	1 (1%)	0 (0%)	2 (3%)	0 (0%)	2 (2%)	0 (0%)		
<b>Addiction treatment, now</b>								214.54, df = 5	<0.001

Yes	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
No	354 (100%)	175 (99%)	46 (100%)	60 (100%)	18 (100%)	121 (100%)	46 (100%)		
No comment	1 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
<b>Addiction treatment, prior</b>								2.51, df = 5	0.776
Yes	4 (1%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)		
No	350 (99%)	173 (98%)	46 (100%)	60 (100%)	18 (100%)	119 (98%)	46 (100%)		
No comment	1 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
<b>Feeling stressed, Median (IQR)</b>	3 (3-4)	3 (3-4)	3 (3-4)	3 (3-4)	3 (2.25-4)	3 (2.75-4)	3 (3-4)	18.92, df = 20	0.527
Never	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)		
Rarely	79 (22%)	40 (23%)	11 (24%)	11 (18%)	5 (28%)	28 (23%)	10 (22%)		
Sometimes	151 (43%)	88 (50%)	17 (37%)	25 (42%)	5 (28%)	45 (37%)	20 (43%)		
Often	91 (26%)	35 (20%)	12 (26%)	19 (32%)	5 (28%)	37 (31%)	12 (26%)		
Very often	31 (9%)	13 (7%)	6 (13%)	5 (8%)	3 (17%)	8 (7%)	4 (9%)		
<b>Stress treatment, now</b>								3.26, df = 5	0.661
Yes	13 (4%)	6 (3%)	1 (2%)	0 (0%)	3 (17%)	5 (4%)	2 (4%)		
No	342 (96%)	170 (97%)	45 (98%)	60 (100%)	15 (83%)	116 (96%)	44 (96%)		
No comment	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
<b>Stress treatment, prior</b>								5.16, df = 5	0.397
Yes	50 (14%)	32 (18%)	5 (11%)	7 (12%)	1 (6%)	14 (12%)	7 (15%)		
No	304 (86%)	144 (82%)	41 (89%)	53 (88%)	17 (94%)	106 (87%)	39 (85%)		
No comment	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)		
<b>Feeling depressed, Median (IQR)</b>	2 (2-3)	2 (2-3)	2 (2-3)	3 (2-3)	3 (3-4)	3 (2-3)	3 (2-3)	23.50, df = 20	0.265
Never	48 (14%)	24 (14%)	8 (17%)	10 (17%)	1 (6%)	19 (16%)	1 (2%)		
Rarely	132 (37%)	74 (42%)	18 (39%)	17 (28%)	3 (17%)	38 (31%)	11 (24%)		
Sometimes	130 (37%)	63 (36%)	13 (28%)	24 (40%)	7 (39%)	44 (36%)	15 (33%)		
Often	35 (10%)	12 (7%)	4 (9%)	7 (12%)	6 (33%)	15 (12%)	8 (17%)		
Very often	9 (3%)	2 (1%)	2 (4%)	1 (2%)	0 (0%)	4 (3%)	0 (0%)		
No comment	1 (0%)	1 (1%)	1 (2%)	1 (2%)	1 (6%)	1 (1%)	1 (2%)		
<b>Depression treatment, now</b>								19.24, df = 5	0.002
Yes	17 (5%)	7 (4%)	2 (4%)	1 ((2%)	4 (22%)	5 (4%)	2 (4%)		
No	335 (94%)	167 (95%)	43 (93%)	58 (97%)	12 (67%)	114 (94%)	42 (91%)		
No comment	3 (1%)	2 (1%)	1 (2%)	1 (2%)	2 (11%)	2 (2%)	2 (4%)		
<b>Depression treatment, prior</b>								10.33, df = 5	0.066
Yes	60 (17%)	30 (17%)	10 (22%)	10 (17%)	7 (39%)	17 (14%)	11 (24%)		
No	292 (82%)	144 (82%)	35 (76%)	49 (82%)	9 (50%)	102 (84%)	33 (72%)		
No comment	3 (1%)	2 (1%)	1 (2%)	1 (2%)	2 (11%)	2 (2%)	2 (4%)		
<b>Eating disorder treatment, now</b>								10.65, df = 5	0.059
Yes	5 (1%)	0 (0%)	1 (2%)	2 (3%)	1 (6%)	2 (2%)	1 (2%)		
No	348 (98%)	175 (99%)	45 (98%)	57 (95%)	16 (89%)	118 (98%)	44 (96%)		

No comment	2 (1%)	1 (1%)	0 (0%)	1 (2%)	1 (6%)	1 (1%)	1 (2%)		
<b>Eating disorder treatment, prior</b>								8.70, df = 5	0.122
Yes	22 (6%)	12 (7%)	4 (9%)	0 (0%)	3 (17%)	7 (6%)	4 (9%)		
No	333 (94%)	164 (93%)	42 (91%)	60 (100%)	15 (83%)	114 (94%)	42 (91%)		
No comment	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
<b>Diabetes treatment, Now</b>								26.03, df = 10	0.004
Yes	63 (18%)	32 (18%)	10 (22%)	14 (23%)	6 (33%)	14 (12%)	10 (22%)		
No	291 (82%)	143 (81%)	35 (76%)	45 (75%)	11 (61%)	106 (88%)	35 (76%)		
No comment	1 (0%)	1 (1%)	1 (2%)	1 (2%)	1 (6%)	1 (1%)	1 (2%)		
<b>Diabetes treatment, Prior</b>								25.82, df = 5	<0.001
Yes	38 (11%)	15 (9%)	7 (15%)	11 (18%)	5 (28%)	8 (7%)	7 (15%)		
No	316 (89%)	160 (91%)	39 (85%)	49 (82%)	13 (72%)	113 (93%)	39 (85%)		
No comment	1 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
<b>Appetite and Eating Behaviour variables</b>									
<b>Disturbed Taste/odour</b>								3.07, df = 5	0.690
Yes	20 (6%)	9 (5%)	2 (4%)	1 (2%)	1 (6%)	8 (7%)	1 (2%)		
No	335 (94%)	167 (95%)	44 (96%)	59 (98%)	17 (94%)	113 (93%)	45 (98%)		
<b>Disturbed food pleasure</b>								5.24, df = 5	0.387
Yes	53 (15%)	20 (11%)	8 (17%)	8 (13%)	4 (22%)	19 (16%)	5 (11%)		
No	302 (85%)	156 (89%)	38 (83%)	52 (87%)	14 (78%)	102 (84%)	41 (89%)		
<b>General Appetite, Median (IQR)</b>	3 (3-4)	3 (2-4)	3 (3-4)	3 (2-4)	3 (3-4)	4 (3-4)	3 (3-4)	75.07, df = 20	<0.001
Very small	1 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (6%)	0 (0%)	0 (0%)		
Small	26 (7%)	14 (8%)	7 (15%)	3 (5%)	3 (17%)	5 (4%)	3 (7%)		
Regular	184 (52%)	102 (58%)	20 (43%)	38 (63%)	6 (33%)	53 (44%)	24 (52%)		
Large	120 (34%)	49 (28%)	16 (35%)	15 (25%)	8 (44%)	53 (44%)	15 (33%)		
Very large	24 (7%)	11 (6%)	3 (7%)	4 (7%)	0 (0%)	10 (8%)	4 (9%)		
<b>Food tastes...?, Median (IQR)</b>	4 (4-5)	4 (4-5)	4 (4-5)	4 (4-4.25)	4 (3.25-4)	4 (4-5)	4 (4-5)	16.93, df = 10	0.076
Very bad	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
Bad	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)		
Okay	31 (9%)	11 (6%)	7 (15%)	8 (13%)	5 (28%)	12 (10%)	6 (13%)		
Good	206 (58%)	102 (58%)	26 (57%)	37 (62%)	12 (67%)	32 (26%)	22 (48%)		
Very good	118 (33%)	63 (36%)	13 (28%)	15 (25%)	1 (6%)	47 (39%)	18 (39%)		
<b>Difficulties with feeling hunger, Median (IQR)</b>	2 (1-3)	2 (1-3)	2 (2-3)	2 (2-2.25)	2 (2-3)	2 (1-2)	2 (2-3)	20.07, df = 20	0.453
Agree very much	5 (1%)	3 (2%)	2 (4%)	1 (2%)	1 (6%)	2 (2%)	1 (2%)		
Agree	35 (10%)	17 (10%)	9 (20%)	6 (10%)	8 (44%)	8 (7%)	4 (9%)		
Neither nor	51 (14%)	28 (16%)	8 (17%)	8 (13%)	4 (22%)	16 (13%)	8 (17%)		
Do not agree	150 (42%)	74 (42%)	16 (35%)	32 (53%)	1 (6%)	52 (43%)	23 (50%)		
Do not agree at all	114 (32%)	54 (31%)	11 (24%)	13 (22%)	4 (22%)	43 (36%)	10 (22%)		

<b>Difficulties with describing the feeling of hunger, Median (IQR)</b>	2 (1-2)	2 (1-2)	2 (1.25-3)	2 (2-3)	2 (1.25-2.75)	2 (1-2)	2 (1-3)	21.71, df = 20	0.357
Agree very much	2 (1%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)		
Agree	31 (9%)	15 (9%)	9 (20%)	5 (8%)	0 (0%)	9 (7%)	5 (11%)		
Neither nor	44 (12%)	13 (7%)	10 (22%)	12 (20%)	5 (28%)	19 (16%)	8 (17%)		
Do not agree	161 (45%)	79 (45%)	15 (33%)	33 (55%)	8 (44%)	51 (42%)	18 (39%)		
Do not agree at all	117 (33%)	68 (39%)	12 (26%)	10 (17%)	5 (28%)	41 (34%)	15 (33%)		
<b>Food Neophobia Scale, Mean (±SD)</b>	41.12 (±6.63)	41.39 (±6.49)	43.15 (±5.07)	41.23 (±6.68)	33.11 (±8.65)	40.39 (±6.93)	40.11 (±8.06)	50.56, df = 31	0.015*
<b>Dutch Eating Behavior Questionnaire</b>									
Restricted Eater, Mean (±SD)	2.85 (±0.80)	2.76 (±0.73)	2.96 (±0.88)	2.95 (±0.71)	3.39 (±0.96)	2.92 (±0.81)	3.06 (±0.76)	21.02, df = 20	0.396*
Emotional Eater, Mean (±SD)	2.71 (±1.07)	2.59 (±0.99)	2.54 (±1.01)	2.60 (±1.56)	2.72 (±1.09)	2.94 (±1.17)	2.69 (±1.20)	23.78, df = 24	0.474*
External Eater, Mean (±SD)	3.27 (±0.66)	3.27 (±0.60)	3.17 (±0.53)	3.16 (±0.69)	2.90 (±0.95)	3.41 (±0.72)	3.31 (±0.76)	22.32, df	0.218*
<b>Food pleasure dimensions</b>									
Sensory-driven Pleasure, Mean (±SD)	4.12 (±0.59)	4.41 (±0.46)	3.95 (±0.57)	3.94 (±0.63)	3.60 (±0.72)	3.94 (±0.63)	4.20 (±0.72)	85.06, df = 14	<0.001*
Exploratory-driven Pleasure, Mean (±SD)	3.56 (±0.72)	3.59 (±0.67)	4.26 (±0.55)	3.61 (±0.68)	2.92 (±0.91)	3.49 (±0.70)	3.72 (±0.77)	14.20, df = 16	0.584*
Contextual-driven Pleasure, Mean (±SD)	3.53 (±0.79)	3.52 (±0.76)	3.57 (±0.77)	4.32 (±0.55)	3.09 (±0.87)	3.42 (±0.76)	3.92 (±0.77)	13.06, df = 12	0.365*
Confirming-driven Pleasure, Mean (±SD)	2.62 (±0.82)	2.54 (±0.74)	2.54 (±0.79)	2.59 (±0.82)	4.15 (±0.61)	2.79 (±0.88)	2.96 (±1.01)	8.37, df = 12	0.756*
Internal-driven Pleasure, Mean (±SD)	3.86 (±0.71)	3.66 (±0.70)	3.70 (±0.58)	3.76 (±0.62)	3.48 (±0.76)	4.45 (±0.50)	4.15 (±0.74)	8.82, df = 10	0.550*

\*Kruskal-Wallis test

**Table S3.** Overview of ratings of each item (Median (Inter quartile range)) on a 5-point ordinal scale, where “1”=“Not important at all”, “2”=“Not important”, “3”=“Neither important nor not important”, “4”=“Important” and “5”=“Extremely important”.

Item	Median (Inter quartile range)
Food appearance	4 (3-4)
Food odour	4 (4-5)
Food taste	5 (4-5)
Food texture	4 (3-5)
Pleased senses	4 (3-5)
Memory	4 (3-4)
Novelty	3 (3-4)
Surprise	4 (3-4)
Variation	4 (4-5)
Eating with others	3 (3-4)
Physical surroundings	3 (3-4)
Atmosphere	4 (3-5)
Familiarity	3 (2-3)
Eating alone	2 (1.5-3)
Habit	3 (2-3)
Physical sensation	4 (3-4)
Mental sensation	4 (3-4)
Need	4 (4-5)





<b>1</b>	0.59 (0.27-1.26)	0.176	0.57 (0.15-1.78)	0.364	2.52 (1.16-5.57)	0.020	0.95 (0.33-2.47)	0.912	7.41 (0.82-168.10)	0.105	1.51 (0.28-3.98)	0.413
<b>2</b>	1		1		1		1		1			
<b>3</b>	0.89 (0.42-1.88)	0.763	0.40 (0.09-1.35)	0.176	1.34 (0.61-2.91)	0.464	0.52 (0.14-1.56)	0.276	NA		0.30 (0.05-1.17)	0.126
<b>4</b>	1.77 (0.78-4.21)	0.182	0.62 (0.13-2.13)	0.479	0.64 (0.24-1.56)	0.345	0.29 (0.04-1.11)	0.112	NA		0.34 (0.05-1.34)	0.173
<b>5 or more</b>	0.73 (0.28-1.84)	0.503	1.30 (0.37-3.98)	0.661	0.79 (0.26-2.16)	0.660	0.75 (0.16-2.57)	0.668	NA		0.28 (0.02-1.57)	0.239
<b>Children in the residency</b>												
<b>0</b>	1		1		1		1		1			
<b>1</b>	1.64 (0.72-3.83)	0.242	0.55 (0.08-2.14)	0.443	2.92 (1.16-8.45)	0.032	0.54 (0.12-1.74)	0.348	NA		0.66 (0.14-2.17)	0.533
<b>2</b>	3.97 (1.65-10.74)	0.003	0.26 (0.01-1.44)	0.210	2.45 (0.77-8.40)	0.137	0.33 (0.05-1.25)	0.154	NA		0.38 (0.06-1.45)	0.215
<b>3</b>	1.16 (0.21-6.48)	0.859	1.46 (0.07-1.44)	0.741	0.91 (0.04-7.23)	0.935	1.00 (0.05-6.67)	1.000	NA		NA	
<b>4 or more</b>	2.36 (0.22-51.79)	0.859	3.79 (0.17-44.13)	0.296	NA		2.28 (0.10-25.10)	0.512	NA		2.90 (0.13-32.07)	0.397
<b>Lifestyle and health variables</b>												
<b>Diet type</b>												
Omnivore	1		1		1		1		1		1	
Flexitarian	0.51 (0.23-1.08)	0.082	1.61 (0.53-4.39)	0.374	2.06 (0.77-5.15)	0.130	5.50 (0.62-2.32)	0.101	1.03 (0.46-2.23)	0.941	1.34 (0.41-3.75)	0.598
Vegetarian	0.50 (0.12-1.75)	0.290	4.31 (1.00-16.66)	0.037	NA		NA		1.13 (0.28-3.95)	0.856	0.82 (0.04-4.75)	0.851
Pescetarian	1.46 (0.50-4.58)	0.496	1.06 (0.15-4.51)	0.943	0.51 (0.03-2.88)	0.524	NA		1.13 (0.36-3.31)	0.824	1.21 (0.18-5.05)	0.819
Vegan	0.33 (0.05-1.59)	0.194	NA		1.15 (0.06-7.31)	0.902	NA		2.64 (0.56-13.87)	0.217	NA	
Other	1.51 (0.38-7.43)	0.571	1.23 (0.06-7.67)	0.854	0.80 (0.04-4.81)	0.838	NA		0.60 (0.08-2.47)	0.494	0.91 (0.05-2.02)	0.932
<b>BMI</b>	<b>0.99</b> <b>(0.94-1.04)</b>	<b>0.774</b>	0.99 (0.90-1.06)	0.733	0.99 (0.91-1.06)	0.768	0.96 (0.73-1.13)	0.735	1.04 (0.99-1.10)	0.100	1.01 (0.97-1.10)	0.213
<b>Physical Activity</b>												
Bedbound	NA		NA		NA		NA		NA		NA	
Very low activity	1.81 (0.51-7.31)	0.371	0.61 (0.03-3.62)	0.646	0.49 (0.03-2.84)	0.511	NA		0.73 (0.15-2.72)	0.661	0.60 (0.03-3.54)	0.644
Low activity	1.17	0.590	0.79	0.591	0.87	0.740	0.40	0.448	0.85	0.599	0.68	0.421

	(0.65-2.11)		(0.32-1.86)		(0.38-1.94)		(0.02-3.42)		(0.45-1.57)		(0.26-1.68)	
Moderate	1		1		1		1		1		1	
High activity	1.25 (0.54-2.96)	0.605	0.48 (0.07-1.90)	0.360	0.13 (0.01-1.37)	0.059	0.49 (0.02-5.92)	0.619	1.74 (0.73-4.13)	0.207	0.64 (0.13-2.23)	0.517
Smoking												
No	1		1		1		1		1		1	
Yes	1.35 (0.58-3.19)	0.485	0.65 (0.10-2.45)	0.576	2.08 (0.70-5.54)	0.161	3.34 (0.15-32.23)	0.326	0.50 (0.17-1.24)	0.158	1.02 (0.23-3.28)	0.981
Prior smoker	1.17 (0.50-2.76)	0.723	3.41 (1.05-10.48)	0.033	0.65 (0.14-2.21)	0.532	1.72 (0.07-16.90)	0.668	0.54 (0.19-1.34)	0.201	1.11 (0.28-3.49)	0.873
Personality												
Extrovert	1.20 (1.96-1.52)	0.108	1.18 (0.84-1.67)	0.343	1.37 (0.98-1.93)	0.069	0.35 (0.10-1.11)	0.058	0.78 (0.61-0.99)	0.048	1.13 (0.80-1.61)	0.500
Introvert	0.85 (0.67-1.07)	0.159	0.69 (0.48-0.97)	0.033	0.83 (0.59-1.15)	0.256	6.83 (1.79-42.79)	0.016	1.36 (1.06-1.76)	0.016	0.96 (0.68-1.38)	0.838
General health	0.92 (0.69-1.23)	0.578	1.14 (0.73-1.81)	0.564	1.12 (0.74-1.70)	0.583	1.227 (0.50-3.39)	0.619	1.09 (0.80-1.48)	0.578	1.21 (0.78-1.90)	0.401
Eating differently because of Health Worries. now												
No	1		1		1		1		1		1	
Yes	1.01 (0.50-2.04)	0.975	1.25 (0.39-3.42)	0.688	1.25 (0.45-3.08)	0.648	NA		1.32 (0.64-2.69)	0.450	1.72 (0.61-4.44)	0.279
Eating differently because of Health Worries. prior												
No	1		1		1		1		1		1	
Yes	1.17 (0.68-2.04)	0.571	1.40 (0.61-3.20)	0.419	0.45 (0.17-5.85)	0.079	2.83 (0.30-27.38)	0.334	1.11 (0.62-1.96)	0.720	1.32 (0.56-3.05)	0.516
Alcohol consumption												
Never	0.63 (0.25-1.50)	0.306	1.79 (0.49-5.89)	0.348	0.74 (0.20-2.29)	0.628	1.39 (0.06-16.45)	0.799	1.33 (0.56-3.13)	0.510	0.80 (0.17-2.77)	0.745
Rarely	1		1		1		1		1		1	
Sometimes	1.71 (0.96-3.09)	0.071	1.83 (0.76-4.62)	0.183	0.52 (0.21-1.23)	0.146	0.49 (0.023-5.39)	0.568	0.56 (0.30-1.04)	0.068	0.84 (0.34-2.03)	0.700
Often	2.28 (0.42-17.23)	0.359	NA		2.25 (0.29-12.87)	0.380	6.89 (0.24-104.53)	0.176	NA		1.32 (0.07-9.25)	0.809
Very often	0.36 (0.02-4.08)	0.422	NA		NA		NA		4.19 (037-96.63)	0.263	NA	
Addiction treatment. now												
No	1		1		1		1		1		1	
Yes	NA		NA		NA		NA		NA		NA	
Addiction treatment. prior												

No	1		1		1		1		1		1	
Yes	1.61 (0.06-42.74)	0.743	NA		NA		NA		2.40 (0.09-64.34)	0.548	NA	
Feeling stressed												
Never	NA		NA		NA		NA		NA		NA	
Rarely	0.64 (0.33-1.25)	0.189	1.44 (0.53-3.81)	0.461	0.50 (0.17-1.34)	0.190	0.51 (0.02-5.80)	0.595	1.10 (0.53-2.24)	0.799	0.27 (0.06-0.87)	0.047
Sometimes	1		1		1		1		1		1	
Often	0.40 (0.20-0.79)	0.009	1.06 (0.36-2.93)	0.909	0.76 (0.27-.96)	0.582	1.87 (0.08-27.58)	0.645	1.92 (0.97-4.83)	0.063	0.66 (0.22-1.76)	0.420
Very often	0.80 (0.27-2.43)	0.681	1.13 (0.16-4.94)	0.884	1.32 (0.28-4.80)	0.698	9.02 (0.33-186.45)	0.133	0.78 (0.20-2.49)	0.695	1.34 (0.28-4.91)	0.680
Stress treatment. now												
No	1		1		1		1		1		1	
Yes	1.58 (0.37-7.91)	0.543	NA		NA		NA		1.09 (0.21-4.61)	0.906	NA	
Stress treatment. prior												
No	1		1		1		1		1		1	
Yes	2.73 (1.18-6.89)	0.024	0.56 (0.09-2.10)	0.454	0.38 (0.06-1.42)	0.214	NA		0.51 (0.19-1.21)	0.146	0.73 (0.16-2.36)	0.630
Feeling depressed												
Never	0.81 (0.37-1.81)	0.611	2.45 (0.85-6.91)	0.090	1.11 (0.33-3.30)	0.857	NA		1.63 (0.70-3.73)	0.248	3.11 (0.98-9.92)	0.050
Rarely	1		1		1		1		1		1	
Sometimes	0.99 (0.54-1.84)	0.984	0.59 (0.19-1.65)	0.326	1.06 (0.42-2.63)	0.900	0.59 (0.03-6.75)	0.681	1.32 (0.68-2.56)	0.405	1.29 (0.42-3.95)	0.652
Often	0.53 (0.20-1.32)	0.180	1.24 (0.31-4.18)	0.737	1.49 (0.38-4.93)	0.530	8.40 (0.82-96.55)	0.064	2.11 (0.82-5.38)	0.116	4.47 (1.28-15.43)	0.017
Very often	0.29 (0.01-2.42)	0.296	NA		2.37 (0.11-20.59)	0.473	NA		2.57 (0.30-22.50)	0.358	NA	
Depression treatment. now												
No	1		1		1		1		1		1	
Yes	1.43 (0.40-5.78)	0.587	1.82 (0.26-7.95)	0.468	0.69 (0.04-3.87)	0.726	NA		0.48 (0.07-1.98)	0.360	0.88 (0.05-4.99)	0.904
Depression treatment. prior												
No	1		1		1		1		1		1	
Yes	1.04 (0.51-2.10)	0.922	1.91 (0.70-4.81)	0.182	1.11 (0.39-2.79)	0.830	5.02 (0.52-48.20)	0.136	0.64 (0.28-1.37)	0.270	1.48 (0.50-3.82)	0.441
Eating disorder treatment. now												

No	1		1		1		1		1		1	
Yes	NA		NA		NA		NA		NA		NA	
Eating disorder treatment. prior												
No	1		1		1		1		1		1	
Yes	1.57 (0.50-5.42)	0.448	1.26 (0.18-5.22)	0.780	NA		17.75 (0.65-487.43)	0.051	1.60 (0.62-5.07)	0.416	4.29 (1.06-15.10)	0.028
Diabetes treatment. now												
No	1		1		1		1		1		1	
Yes	1.55 (0.66-3.77)	0.320	5.68 (1.51-21.82)	0.010	0.74 (0.19-2.37)	0.630	NA		0.27 (0.08-0.73)	0.016	0.88 (0.23-3.02)	0.891
Diabetes treatment. prior												
No	1		1		1		1		1		1	
Yes	1.03 (0.38-2.87)	0.950	6.65 (1.70-25.74)	0.005	1.13 (0.24-3.95)	0.859	NA		0.32 (0.07-1.03)	0.083	1.33 (0.28-1.74)	0.684
Appetite and eating behaviour variables												
Disturbed Taste/olfactory sense												
No	1		1		1		1		1		1	
Yes	1.58 (0.45-6.29)	0.482	0.76 (0.04-4.44)	0.801	NA		NA		0.76 (0.16-2.74)	0.694	NA	
Disturbed Food Pleasure												
No	1		1		1		1		1			
Yes	0.78 (0.33-1.82)	0.561	1.62 (0.43-4.95)	0.426	NA		3.56 (0.16-41.18)	0.318	1.29 (0.53-3.03)	0.559	0.58 (0.10-10.44)	0.542
General appetite												
Very small	NA		NA		NA		NA		NA		NA	
Small	1.09 (0.35-3.61)	0.881	0.87 (0.12-3.81)	0.864	0.95 (0.14-4.13)	0.955	NA		0.77 (0.16-2.76)	0.712	0.80 (0.04-4.93)	0.842
Regular	1		1		1		1		1		1	
Large	0.55 (0.30-1.01)	0.055	0.96 (0.39-2.30)	0.926	0.63 (0.24-1.53)	0.319	10.96 (1.32-251.10)	0.053	2.14 (1.14-4.07)	0.019	1.44 (0.55-3.71)	0.449
Very large	0.52 (0.19-1.39)	0.195	0.82 (0.12-3.39)	0.810	0.97 (0.21-3.30)	0.963	NA		3.23 (1.19-8.89)	0.021	2.41 (0.61-8.04)	0.171
Food tastes....?												
Very bad	NA		NA		NA		NA		NA		NA	
Bad	NA		NA		NA		NA		NA		NA	
Okay	0.63 (0.18-2.10)	0.456	1.52 (0.22-6.67)	0.617	1.05 (0.15-4.40)	0.955	2.58 (0.12-22.32)	0.440	1.20 (0.31-4.07)	0.776	1.83 (0.16-8.01)	0.468
Good	1		1		1		1		1		1	

Very good	1.07 (0.62-1.87)	0.806	0.86 (0.35-1.99)	0.723	0.70 (0.29-1.58)	0.404	NA		1.55 (0.87-2.76)	0.136	1.64 (0.70-3.84)	0.248
<b>Difficulties with feeling hunger</b>	1.06 (0.81-1.37)	0.682	1.33 (0.91-1.91)	0.133	1.21 (0.85-1.71)	0.277	0.68 (0.17-1.74)	0.495	0.77 (0.57-1.02)	0.073	1.03 (0.68-1.50)	0.892
<b>Difficulties with describing the feeling of hunger</b>	0.77 (0.57-1.03)	0.088	1.27 (0.84-1.88)	0.243	1.38 (0.93-2.02)	0.099	1.24 (0.47-2.81)	0.622	0.97 (0.71-1.31)	0.851	1.16 (0.75-1.76)	0.485
<b>Food Neophobia Scale</b>	1.02 (0.97-10.7)	0.391	1.05 (0.97-1.14)	0.217	1.05 (0.98-1.13)	0.205	0.82 (0.69-0.94)	0.007	0.97 (0.92-1.02)	0.188	1.02 (0.95-1.10)	0.672
<b>Dutch Eating Behaviour Questionnaire</b>												
Restricted Eater	0.87 (0.62-1.22)	0.429	1.06 (0.64-1.75)	0.832	1.01 (0.61-1.64)	0.981	4.44 (1.37-17.94)	0.019	1.04 (0.73-1.49)	0.821	1.21 (0.72-2.06)	0.471
Emotional Eater	0.81 (0.62-1.04)	0.101	0.88 (0.59-1.31)	0.538	1.00 (0.68-1.46)	0.999	1.42 (0.52-4.07)	0.488	1.37 (1.04-1.81)	0.025	1.13 (0.76-1.69)	0.534
External Eater	0.80 (0.53-1.21)	0.296	0.72 (0.37-1.39)	0.335	1.11 (0.61-2.01)	0.729	1.40 (0.35-6.03)	0.638	1.64 (1.06-2.59)	0.030	1.55 (0.82-2.93)	0.176
<b>Food pleasure dimensions</b>												
Sensory Pleasure	23.60 (10.77-57.56)	<0.001	0.42 (0.20-0.87)	0.022	0.46 (0.22-0.93)	0.031	0.14 (0.02-0.84)	0.039	0.29 (0.16-0.50)	<0.001	1.34 (0.71-3.45)	0.294
Exploratory Pleasure	1.22 (0.82-1.84)	0.333	15.94 (5.82-52.39)	<0.001	1.39 (0.77-2.63)	0.290	0.29 (0.08-0.93)	0.034	0.50 (0.32-0.77)	0.002	1.97 (1.00-4.15)	0.062
Contextual Pleasure	1.24 (0.88-1.76)	0.229	0.92 (0.56-1.52)	0.728	20.27 (7.86-63.33)	<0.001	0.55 (0.17-1.78)	0.312	0.56 (0.38-0.81)	0.003	2.34 (1.29-4.52)	0.008
Confirming Pleasure	0.80 (0.56-1.14)	0.216	0.79 (0.45-1.36)	0.408	0.76 (0.45-1.26)	0.299	67.33 (8.21-2191.70)	0.002	1.52 (1.05-2.22)	0.027	1.49 (0.88-2.52)	0.136
Internal Pleasure	0.41 (0.26-0.62)	<0.001	0.52 (0.29-0.92)	0.025	0.61 (0.35-1.04)	0.069	0.68 (0.18-2.76)	0.570	27.63 (12.55-69.00)	<0.001	1.81 (0.98-3.50)	0.065