

Supplementary Table 5. Multivariable-adjusted linear regression for the association of lifestyle-associated factors, food groups and metabolic factors on chemerin concentrations stratified by sex

		Women			Men		
		N=1,494			N=939		
		β	95% CIs	P-value	β	95% CIs	P-value
Lifestyle-associated factors	BMI (kg/m ²)	2.89	2.51, 3.28	<.0001	2.81	2.20, 3.41	<.0001
	Waist circumference (cm)	1.15	0.99, 1.31	<.0001	1.19	0.97, 1.41	<.0001
	Sports (h/week)	-0.41	-0.71, -0.12	0.006	0.00	-0.32, 0.33	0.994
	Never vs ever smoker	1.19	-2.18, 4.56	0.489	3.21	-1.19, 7.60	0.152
	Alcohol (per 5 grams /day)	-0.32	-1.12, 0.48	0.439	-0.37	-0.84, 0.10	0.125
	Sleeping duration (h/day)*	1.67	0.22, 3.12	0.024	0.25	-1.68, 2.17	0.801
	Health satisfaction (4-levels)	-1.34	-3.86, 1.17	0.295	-2.80	-6.16, 0.57	0.103
Dietary factors	Processed meat	1.21	-0.60, 3.03	0.190	0.364	-1.47, 2.20	0.697
	Red meat	1.83	0.13, 3.54	0.035	1.78	-0.17, 3.73	0.073
	Fish	-1.66	-3.30, -0.03	0.046	-0.81	-2.75, 1.14	0.416
	Dairy	-2.41	-3.95, -0.86	0.002	1.00	-1.39, 3.39	0.413
	Eggs	-0.95	-2.54, 0.65	0.244	-0.99	-3.08, 1.10	0.352
	Legumes	1.63	-0.26, 3.53	0.090	0.62	-1.06, 2.30	0.469
	Vegetables	0.26	-1.28, 1.81	0.737	0.87	-1.83, 3.57	0.527
Fruits	0.01	-1.57, 1.60	0.987	-0.20	-2.79, 2.39	0.880	

	Nuts	-0.30	-1.79, 1.19	0.697	-1.30	-3.64, 1.05	0.279
	Whole grains	-1.67	-3.26, -0.08	0.039	0.71	-1.42, 2.85	0.515
	Refined grains	1.31	-0.35, 2.97	0.122	-0.54	-2.52, 1.45	0.595
	Sugar sweetened beverages	2.17	0.37, 3.98	0.018	1.09	-0.72, 2.91	0.238
Metabolic factors	hsCRP	9.34	6.64, 11.03	<.0001	6.35	4.39, 8.32	<.0001
	Total cholesterol	4.48	2.77, 6.20	<.0001	3.15	1.20, 5.11	0.002
	LDL-C	2.43	0.69, 4.17	0.006	1.68	-0.28, 3.64	0.092
	HDL-C	-0.22	-1.94, 1.59	0.803	-4.01	-5.99, -2.03	<.0001
	Triglycerides	7.55	5.85, 9.25	<.0001	5.86	3.86, 7.86	<.0001
	FLI	0.76	-1.34, 2.85	0.479	2.98	0.32, 5.63	0.028
	ALT	2.36	0.59, 4.12	0.009	1.58	-0.51, 3.67	0.138
	GGT	3.63	1.94, 5.31	<.0001	2.85	0.86, 4.83	0.005
	Uric acid	3.84	2.04, 5.65	<.0001	4.53	2.55, 6.50	<.0001
	Creatinine	4.59	2.98, 6.20	<.0001	7.66	5.78, 9.54	<.0001
	eGFR	-5.32	-7.13, -3.51	<.0001	-8.26	-10.30, -6.21	<.0001
	Systolic blood pressure	3.09	0.95, 5.24	0.005	-0.69	-3.15, 1.77	0.583
	Diastolic blood pressure	5.02	3.00, 7.04	<.0001	3.26	0.80, 5.72	0.01

Selected food groups are z-score standardized and energy adjusted; metabolic factors (exposures) are z-score standardized.

Model for lifestyle factors: mutually adjusted plus prevalent hypertension, antihypertensive medication. Waist residual is used for adjusting waist circumference; Sleep duration additionally adjusted for sleeping disorders and consumption of caffeinated beverages (tea and coffee)

Model for food groups: age, sex, BMI, waist residual, physical activity, educational attainment, smoking status, prevalent hypertension, antihypertensive medication