

Supplemental Table S1. General Characteristics of Matched Genotyping Population

Demographic	Genotyping population (n=1,518)			Cases (n=759)			Controls (n=759)		
	With dietary data (n=290)	Without dietary data (n=1,228)	P value	With dietary data (n=117)	Without dietary data (n=642)	P value	With dietary data (n=173)	Without dietary data (n=586)	P value
Age, yr	52.1±8.1	47.7±8.3	<0.001 ^a	52.5±8.0	47.8±8.3	<0.001 ^a	51.7±8.1	47.6±8.3	<0.001 ^a
Age group, yr									
<39	9 (3.1)	203 (16.5)	<0.001 ^a	1 (0.9)	105 (16.4)	<0.001 ^a	8 (4.6)	98 (16.7)	<0.001 ^a
40–49	109 (37.6)	525 (42.8)		44 (37.6)	273 (42.5)		65 (37.6)	252 (43.0)	
50–59	109 (37.6)	395 (32.2)		45 (38.5)	207 (32.2)		64 (37.0)	188 (32.1)	
>60	63 (21.7)	105 (8.6)		27 (23.1)	57 (8.9)		36 (20.8)	48 (8.2)	
Sex			<0.001 ^a			<0.001 ^a			<0.001 ^a
Male	39 (13.4)	425 (34.6)		6 (5.1)	226 (35.2)		33 (19.1)	199 (34.0)	
Female	251 (86.6)	803 (65.4)		111 (94.9)	416 (64.8)		140 (80.9)	387 (66.0)	
Family history of thyroid cancer									
No	267 (92.1)	1,155 (94.1)	0.109	104 (88.9)	592 (92.2)	0.484	163 (94.2)	563 (96.1)	0.022 ^a
Yes	17 (5.9)	44 (3.6)		9 (7.7)	36 (5.6)		8 (4.6)	8 (1.4)	
Missing	6 (2.1)	29 (2.4)		4 (3.4)	14 (2.2)		2 (1.2)	15 (2.6)	
Marital status									
Married	244 (84.1)	1,043 (84.9)	0.207	97 (82.9)	544 (84.7)	0.653	147 (85.0)	499 (85.2)	0.221
Other	41 (14.1)	135 (11.0)		16 (13.7)	75 (11.7)		25 (14.5)	60 (10.2)	
Missing	5 (1.7)	50 (4.1)		4 (3.4)	23 (3.6)		1 (0.6)	27 (4.6)	
Educational level									
≤Middle school	45 (15.5)	168 (13.7)	0.017 ^a	21 (17.9)	92 (14.3)	0.587	24 (13.9)	76 (13.0)	0.008 ^a
High school	114 (39.3)	377 (30.7)		36 (30.8)	193 (30.1)		78 (45.1)	184 (31.4)	
≥College	119 (41.0)	593 (48.3)		53 (45.3)	311 (48.4)		66 (38.2)	282 (48.1)	
Missing	12 (4.1)	90 (7.3)		7 (6.0)	46 (7.2)		5 (2.9)	44 (7.5)	
Occupation									
Housewives, profession, and office worker	197 (67.9)	831 (67.7)	<0.001 ^a	88 (75.2)	443 (69.0)	<0.001	109 (63.0)	388 (66.2)	0.001 ^a
Sales, service	49 (16.9)	209 (17.0)		14 (12.0)	98 (15.3)		35 (20.2)	111 (18.9)	
Agriculture, laborer, unemployed, and others	40 (13.8)	114 (9.3)		13 (11.1)	64 (10.0)		27 (15.6)	50 (8.5)	
Missing	4 (1.4)	74 (6.0)		2 (1.7)	37 (5.8)		2 (1.2)	37 (6.3)	
Monthly income, \$									
<1,667	63 (21.7)	132 (10.7)	<0.001 ^a	26 (22.2)	60 (9.3)	<0.001 ^a	37 (21.4)	72 (12.3)	<0.001 ^a
1,667–3,333	96 (33.1)	311 (25.3)		36 (30.8)	179 (27.9)		60 (34.7)	132 (22.5)	
>3,333	96 (33.1)	569 (46.3)		36 (30.8)	292 (45.5)		60 (34.7)	277 (47.3)	
Missing	35 (12.1)	216 (17.6)		19 (16.2)	111 (17.3)		16 (9.2)	105 (17.9)	
Smoking status									
Never	247 (85.2)	779 (63.4)	<0.001 ^a	108 (92.3)	419 (65.3)	<0.001 ^a	139 (80.3)	360 (61.4)	<0.001 ^a
Ever	41 (14.1)	411 (33.5)		9 (7.7)	207 (32.2)		32 (18.5)	204 (34.8)	
Missing	2 (0.7)	38 (3.1)		0	16 (2.5)		2 (1.2)	22 (3.8)	

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Supplemental Table S1. Continued

Demographic	Genotyping population (n=1,518)			Cases (n=759)			Controls (n=759)		
	With dietary data (n=290)	Without dietary data (n=1,228)	P value	With dietary data (n=117)	Without dietary data (n=642)	P value	With dietary data (n=173)	Without dietary data (n=586)	P value
Alcohol consumption									
Never	163 (56.2)	494 (40.2)	<0.001 ^a	72 (61.5)	267 (41.6)	<0.001 ^a	91 (52.6)	227 (38.7)	0.003 ^a
Ever	127 (43.8)	709 (57.7)		45 (38.5)	363 (56.5)		82 (47.4)	346 (59.0)	
Missing	0	25 (2.0)		0	12 (1.9)		0	13 (2.2)	
Regular exercise									
Yes	117 (40.3)	512 (41.7)	0.823	47 (40.2)	267 (41.6)	0.881	70 (40.5)	245 (41.8)	0.939
No	95 (32.8)	397 (32.3)		39 (33.3)	208 (32.4)		56 (32.4)	189 (32.3)	
Missing	78 (26.9)	319 (26.0)		31 (26.5)	167 (26.0)		47 (27.2)	152 (25.9)	
BMI, kg/m ²	23.5±2.8	23.8±3.1	0.110	23.6±3.0	24.0±3.1	0.189	23.4±2.8	23.6±3.1	0.510
BMI group, kg/m²									
<23	130 (44.8)	504 (41.0)	0.192	48 (41.0)	239 (37.2)	0.097	82 (47.4)	265 (45.2)	0.674
23–24.9	73 (25.2)	306 (24.9)		37 (31.6)	165 (25.7)		36 (20.8)	141 (24.1)	
≥25	81 (27.9)	416 (33.9)		31 (26.5)	236 (36.8)		50 (28.9)	180 (30.7)	
Missing	6 (2.1)	2 (0.2)		1 (0.9)	2 (0.3)		5 (2.9)	0	

Values are expressed as mean±standard deviation or number (%). *P* values are estimated from a *t* test for continuous variables and a chi-square or Fisher's test for categorical variables.

BMI, body mass index.

^aSignificant difference.