

Table S1: Association between the *FTO* rs9939609 and *MC4R* rs17782313 polymorphisms and food and alcohol intake in the Mediterranean population

	FTO (n=7,052)						<i>P</i> ¹	Adjusted		MC4R (n=7,019)						<i>P</i> ¹	Adjusted	
	TT		TA		AA			B (95% CI)	<i>P</i> ²	CC		CT		TT			B (95% CI)	<i>P</i> ²
	Mean	SD	Mean	SD	Mean	SD				Mean	SD	Mean	SD	Mean	SD			
Energy intake, kcal/d	2288.2 (616.1)		2277.3 (606.4)		##### (593.9)		0.208	-18.63 (-37.65, 0.39)	0.055	2274.3 (607.1)		2279.2 (611.4)		2309.4 (593.0)		0.596	11.74 (-11.45, 34.40)	0.327
Total fat, g/d	98.6 (30.4)		99.4 (30.9)		97.8 (29.7)		0.265	-0.39 (-1.33, 0.54)	0.405	98.7 (30.7)		98.9 (30.7)		101.3 (30.2)		0.340	0.46 (-0.66, 1.58)	0.192
SFA, g/d	25.2 (9.3)		25.5 (9.2)		25.0 (9.1)		0.161	-0.14 (-0.43, 0.16)	0.359	25.3 (9.3)		25.3 (9.1)		26.3 (9.4)		0.137	0.22 (-0.14, 0.57)	0.233
MUFA, g/d	48.9 (16.1)		49.1 (16.2)		48.4 (15.7)		0.381	-0.24 (-0.72, 0.23)	0.318	48.9 (16.2)		48.9 (15.9)		50.2 (16.0)		0.357	0.14 (-0.43, 0.72)	0.334
PUFA, g/d	15.7 (6.8)		16.0 (7.2)		15.7 (7.0)		0.381	0.04 (-0.19, 0.27)	0.725	15.9 (7.0)		15.9 (7.0)		16.0 (6.9)		0.890	0.05 (-0.23, 0.32)	0.692
Proteins, g/d	92.8 (23.4)		92.9 (23.4)		91.8 (22.6)		0.314	-0.57 (-1.32, 0.19)	0.144	92.4 (23.2)		93.2 (23.6)		93.7 (22.4)		0.310	0.82 (-0.10, 1.73)	0.079
Carbohydrates, g/d	242.0 (83.1)		238.2 (80.1)		237.3 (80.1)		0.136	-2.34 (-4.90, 0.25)	0.065	239.0 (80.3)		240.0 (83.4)		243.2 (78.0)		0.618	1.99 (-1.13, 5.11)	0.198
Alcohol, g/d	8.8 (14.7)		8.3 (13.9)		7.7 (13.8)		0.113	-0.49 (-0.91, -0.07)	0.021	8.7 (14.7)		8.0 (13.3)		7.2 (12.2)		0.067	-0.62 (-1.12, -0.11)	0.018
Wine, g/d	61.5 (113.2)		56.4 (104.6)		52.6 (99.6)		0.043	-4.06 (-7.28, -0.84)	0.014	58.8 (110.2)		55.5 (101.0)		50.0 (94.7)		0.219	-3.38 (-7.24, 0.50)	0.090
Beer, g/d	45.3 (143.1)		44.8 (131.9)		38.0 (124.7)		0.240	-4.18 (-8.50, 0.14)	0.058	47.2 (145.6)		39.5 (114.9)		36.4 (124.5)		0.049	-6.52 (-11.76, -1.29)	0.016
Adherence to MedDiet*	8.6 (2.0)		8.7 (2.0)		8.7 (1.9)		0.893	0.02 (-0.04, 0.08)	0.534	8.7 (2.0)		8.7 (2.0)		8.6 (1.9)		0.689	-0.02 (-0.10, 0.05)	0.641
Vegetales, g/d	337.8 (161.4)		338.1 (144.0)		339.0 (147.6)		0.975	-0.34 (-5.13, 4.44)	0.880	338.8 (152.2)		337.4 (149.0)		341.5 (142.9)		0.875	1.00 (-4.77, 6.77)	0.702
Fruits, g/d	372.2 (212.7)		369.2 (206.5)		377.1 (203.3)		0.509	2.52 (-4.07, 9.12)	0.764	370.4 (205.1)		375.5 (213.2)		361.4 (207.3)		0.411	2.53 (-5.42, 10.46)	0.779
Legumes, g/d	20.8 (14.8)		20.9 (13.6)		20.5 (12.5)		0.617	-0.17 (-0.60, 0.26)	0.435	20.9 (14.4)		20.7 (13.1)		19.9 (10.7)		0.413	-0.25 (-0.77, 0.28)	0.365
Cereals, g/d	149.4 (92.6)		145.0 (87.5)		143.8 (89.6)		0.102	-2.55 (-5.46, 0.36)	0.182	145.7 (90.1)		147.5 (89.7)		147.8 (84.6)		0.698	1.94 (-1.56, 5.45)	0.266
Dairy products, g/d	379.8 (227.3)		388.8 (226.0)		377.8 (209.3)		0.189	-0.67 (-7.86, 6.50)	0.855	383.9 (222.0)		382.7 (223.1)		399.2 (239.3)		0.451	2.62 (-6.03, 11.26)	0.539
Meats, g/d	133.8 (62.2)		132.4 (59.5)		131.3 (56.5)		0.452	-1.57 (-3.47, 0.32)	0.104	132.1 (61.4)		133.7 (57.5)		133.2 (57.1)		0.592	1.14 (-1.15, 3.43)	0.360
Fish, g/d	100.6 (48.1)		99.9 (52.2)		99.9 (56.8)		0.871	-0.44 (-2.10, 1.23)	0.608	99.3 (48.8)		101.1 (56.9)		101.5 (52.7)		0.364	1.59 (-0.41, 3.60)	0.116
Pastries, g/d	23.1 (32.1)		22.3 (29.8)		22.2 (28.9)		0.563	-0.51 (-1.51, 0.49)	0.318	22.5 (30.0)		22.9 (31.2)		22.1 (29.4)		0.830	-0.11 (-1.10, 1.31)	0.883
Olive oil, g/d	39.7 (18.2)		39.3 (18.0)		38.9 (17.9)		0.418	-0.31 (-0.85, 0.22)	0.252	39.4 (18.0)		39.1 (18.1)		39.8 (18.7)		0.710	-0.22 (-0.87, 0.43)	0.308
Nuts, g/d	10.2 (13.7)		10.9 (14.7)		9.9 (13.2)		0.061	0.07 (-0.40, 0.53)	0.784	10.5 (14.4)		10.4 (13.7)		10.7 (13.7)		0.937	-0.04 (-0.57, 0.56)	0.891

P1: Unadjusted P value for the comparison of means among genotypes.

P2: P value adjusted for sex, age, field center, diabetes and physical activity