Supplementary Table 2. Association between fat mass and obesity-related transcript genotypes of rs1421085 and bone mineral density, bone loss and fracture

I. BMD[a]						
	CC (N=202)	TC (N=549)	TT[b] (N=392)	TC vs. TT	CC vs. TT	TC vs. CC
FN BMD (g/cm^2)	0.80±0.14	0.80±0.14	0.80±0.13	0.007 (-0.007, 0.022)	0.001 (-0.018, 0.021)	-0.006 (-0.025, 0.012)
LS BMD (g/cm^2)	1.05±0.21	1.04±0.20	1.05±0.19	-0.006 (-0.030, 0.018)	0.002 (-0.030, 0.034)	0.008 (-0.022, 0.038)
II. Rate of BMD change[a]						
	CC	TC	TT[b]	TC vs. TT	CC vs. TT	TC vs. CC
FN BMD (g/cm^2/year)	-0.004±0.003	-0.004±0.004	-0.004±0.004	<0.001 (<-0.001, 0.001)	<-0.001 (-0.001, 0.001)	<-0.001 (-0.001, 0.001)
LS BMD (g/cm^2/year)	0.002±0.007	0.002±0.007	0.002±0.007	<0.001 (-0.001, 0.001)	<0.001 (-0.001, 0.002)	<0.001 (-0.002, 0.002)

III. Fractures						
	Variables	Number[c]	Age adjusted		Multivariable adjusted[d]	
			HR (95% CI)	*P*-value	HR (95% CI)	*P*-value
Any fracture	CC (N=206)	98 (47.6)	1.00 (0.78–1.28)	0.97	1.01 (0.79–1.29)	0.94
	TC (N=559)	268 (47.9)	1.03 (0.85–1.23)	0.78	1.04 (0.86–1.25)	0.70
	TT[b] (N=399)	190 (47.6)	Reference	-	Reference	-
	Variables	Number[c]	Age adjusted		Multivariable adjusted[d]	
			HR (95% CI)	*P*-value	HR (95% CI)	*P*-value
Hip fracture	CC (N=206)	32 (15.5)	1.46 (0.92–2.30)	0.10	1.47 (0.93–2.31)	0.09
	TC (N=559)	58 (10.4)	0.87 (0.59–1.28)	0.47	0.87 (0.59–1.29)	0.48
	TT[b] (N=399)	46 (11.5)	Reference	-	Reference	-

[a]Values for BMD and rate of bone change are presented as mean±standard deviation. The association between fat mass and obesity-related transcript genotype and bone mineral density (BMD) and bone loss are presented as mean difference (95% confidence interval [CI]) derived from a multivariable linear regression (I. BMD) or mixed-effects regression (II. bone loss), adjusted for age and body mass index (BMI).
[b]Reference genotype: TT.
[c]The data is presented as N (%) and indicates the number of patients with a fracture.
[d]Adjusted for age, femoral neck BMD and BMI.
FN, femoral neck; LS, lumbar spine; HR, hazard ratio.

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