

Supplementary Table S1. Association of the *GLP1R* rs10305492 polymorphism with AIS susceptibility in the French-Canadian and Italian cohorts

GLPIR rs10305492	French-Canadian cohort (n=636)						Italian cohort (n=389)						
	Controls		AIS		χ^2	P value ^a	OR (95% CI)	Controls		AIS		OR (95% CI)	
	n	(%)	n	(%)				n	(%)	n	(%)		
Genotype					1.70	0.193					0.06	0.807	
G/G	93	(97.9)	513	(94.8)			Reference	216	(99.1)	169	(98.8)		Reference
A/G	2	(2.1)	28	(5.2)			2.54 (0.70 – 10.97)	2	(0.9)	2	(1.2)		1.28 (0.18 – 8.96)
Allele					1.65	0.198					0.06	0.804	
G	188	(98.9)	1054	(97.4)			Reference	436	(99.5)	340	(99.4)		Reference
A	2	(1.1)	28	(2.6)			2.50 (0.64 – 10.73)	2	(0.5)	2	(0.6)		1.28 (0.20 – 8.22)

Allelic and genotypic distributions of the polymorphism was assessed in AIS patients and healthy controls separately in the French-Canadian and Italian cohorts. AIS: Adolescent idiopathic scoliosis, OR: Odds ratio, CI: confidence interval. ^a Pearson's chi-square test (χ^2).