

Supplementary materials

Table 1. Genotype Distributions, Allele Frequencies, and Study Characteristics for rs1800012 in ACL Injury Cases and Control

Study ID	Population (ethnicity)	Sample size (Case/Control)	Case type	Gender	Genotype						Allele freq.				Association	Genotyping methods	Diagnosis methods	HWE
					Case			Control			Case		Control					
					GG	GT	TT	GG	GT	TT	G	T	G	T				
25	Polish (Caucasian)	138 / 183	Recreational skiers with ACL	Only male	90	46	2	139	39	5	226	50	317	49	TT+ GT Genotype is associated	Allelic discrimination	Surgical confirmation.	0.614
24	Swedish (Caucasian)	233/325	N/M	male and female; only female in control	162	70	1	230	83	12	394	72	543	107	TT genotype is a protective factor	solid-phase minisequencing	Arthroscopic confirmation or radiological diagnosis	0.5934
36	South Africa (Caucasian)	117/130	N/M	male and female	80	37	0	91	33	6	197	37	215	45	TT genotype is a protective factor	nested PCR assay	Surgical and clinical diagnosis	0.5934
5	Indian	90/76	Athletes	Male and female	76	14	0	64	12	0	166	14	140	12	Absent		Clinical, radiological,	0.7024

																	allele-specific PCR	and surgical confirmation	
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TABLE 1 | (continued)

Study ID	Population (ethnicity)	Sample size (Case/Control)	Case type	Gender	Genotype						Allele freq.				Association	Genotyping methods	Diagnosis methods	HWE
					Case			Control			Case		Control					
					GG	GT	TT	GG	GT	TT	G	T	G	T				
11	Norwegian & Finnish (Caucasian)	119/732	Elite Athletes	Only Female	79	38	2	510	204	18	196	42	1224	240	Absent	Allelic discrimination	MRI or surgical confirmation	0.7335
10	Italian (Caucasian)	85/81	Athletes	Male and female	38	41	6	44	33	4	117	53	121	41	Absent	MTPA-PCR	Surgical confirmation	0.7024
23	Chinese Han	101/110	N/M	Male and Female	98	2	1	107	2	1	198	4	216	4	Absent	PCR-RFLP	Clinical, MRI, and arthroscopic confirmation	0

35	Poland (Caucasian)	91/143	professional soccer players	Only male	65	26	0	96	41	6	156	26	233	53	Absent	Rotor General time PCR	Surgical confirmation	0.7024
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TABLE 1 | (continued)

37	South African & UK (Caucasian)	197/225	N/M	Male and Female	130	65	2	154	65	6	325	69	373	77	Absent	Taqman genotyping assays	Clinical and surgical confirmation	0.7823
Total		1171/2005			818	339	14	1435	500	58	1975	367	3382	628				

MRI (Magnetic Resonance Imaging)
MTPA-PCR (Modified Tetra-primer ARMS PCR)
PCR-RFLP (Polymerase Chain Reaction with Restriction Fragment Length Polymorphism)
N/M (Not mentioned)