

Supplementary Materials: SNP-SNP Interaction between TLR4 and MyD88 in Susceptibility to Coronary Artery Disease in the Chinese Han Population

Dandan Sun, Liping Sun, Qian Xu, Yuehua Gong, Honghu Wang, Jun Yang and Yuan Yuan

Table S1. Primer sequences and reaction conditions.

SNPs	Primer Sequence	Annealing Temperature	Restriction Endonuclease	Digestive Temperature	Product Size
rs10116253	F: GGGTGAAAAGC CAGGTAGAGGAGGT R: TGGAAAGTAGCAA GTGCAATGTAAGT	63 °C	BsmAI	37 °C	TT: 470 + 131 bp
	TC: 601 + 470 + 131 bp				
	CC: 233 bp				
rs10983755	F: TGCCAGAACATCAA GAACACAGAAAAG R: TGGAAAGTAGCA AGTGCAATGTAAGT	60 °C	Tail	65 °C	GG: 342 + 121 bp
	GA: 463 + 342 + 121 bp				
	AA: 463 bp				
rs11536889	F: GCAGGAAGGA AGTGGGATGAC R: TGTTTCTGAGG AGGCTGGATG	63 °C	TaaI	65 °C	GG: 391 bp
	GC: 391 + 292 + 99 bp				
	CC: 292 + 99 bp				
rs7744	F: AGGGAGCCTAA CCATGTCCTGA R: AGGGTCTGT CCTGGGGCACA	61 °C	FspBI	37 °C	AA: 291 bp
	AG: 291 + 172 + 119 bp				
	GG: 172 + 119 bp				

Table S2. The genotype frequencies and HWE in this study.

Genotype	Cases	Controls	<i>p</i> Value of HWE	Chr (Chr Position)
<i>TLR4</i> rs10116253 (T > C)			0.333	9 (117702042)
TT (%)	154 (36.3)	122 (28.8)		
TC (%)	199 (46.9)	220 (51.9)		
CC (%)	71 (16.7)	82 (19.3)		
T allele (%)	507 (59.8)	464 (54.7)		
C allele (%)	341 (40.2)	384 (45.3)		
<i>TLR4</i> rs10983755 (G > A)			0.186	9 (117702392)
GG (%)	218 (51.4)	189 (44.6)		
GA (%)	170 (40.1)	197 (46.5)		
AA (%)	36 (8.5)	38 (9.0)		
G allele (%)	606 (71.5)	575 (67.8)		
A allele (%)	242 (28.5)	273 (32.2)		
<i>TLR4</i> rs11536889 (G > C)			0.383	9 (117715853)
GG (%)	255 (60.1)	270 (63.7)		
GC (%)	144 (34.0)	133 (31.4)		
CC (%)	25 (5.9)	21 (5.0)		
G allele (%)	654 (77.1)	673 (79.4)		
C allele (%)	194 (22.9)	175 (20.6)		

<i>MyD88</i> rs7744 (A > G)		0.177	3 (38142530)
AA (%)	157 (37.0)	174 (41.0)	
AG (%)	213 (50.2)	185 (43.6)	
GG (%)	54 (12.7)	65 (15.3)	
A allele (%)	527 (62.1)	533 (62.9)	
G allele (%)	321 (37.9)	315 (37.1)	

HWE: Hardy-Weiberg equilibrium; *TLR4*: toll-like receptor 4; *MyD88*: myeloid differentiation factor 88; Chr: chromosome.



© 2016 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons by Attribution (CC-BY) license (<http://creativecommons.org/licenses/by/4.0/>).