

Supplemental Materials

Identification of Cytochrome P450 Oxidoreductase Gene Variants that are Significantly Associated with the Interindividual Variations in Warfarin Maintenance Dose

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TABLE S1

PCR primers used for amplification of target genes

SNP	Primer name	Primer sequences (5' to 3')	Size of PCR product
<i>CYP2C9</i> *2	2C9In2F2	gaaaacagagacttacagagctc	309 bp
	2C9In3R1	agtcagtaaggctcagtgatg	
<i>CYP2C9</i> *3	2C9In6F2	atgatgtttggataccttcagattc	373 bp
	2C9In7R2	cggtgatggtagaggtttaaaaatg	
<i>VKORC1</i> -1639G>A	VK_-1639_F1	acagacgccagaggaaga	195 bp
	VK_-1639_R1	gttgccaggcttctctta	
<i>CYP4F2</i> rs2108622	rs2108622F	ccctcagtgaaggagc	147 bp
	rs2108622R	ggaatggacaaaacagagagag	
<i>STX1B</i> rs4889606	rs4889606F	tcggaagatcaccttttctg	187 bp
	rs4889606R	tctacaaagtccaggagcc	
<i>POR</i> A503V	<i>POR</i> _A503V_F	tggttgaggagtacgagac	127 bp
	<i>POR</i> _A503V_R	gacttgccgacgaacat	
<i>POR</i> rs10280802	rs10280802F	ggtgtgatgatctggaagg	148 bp
	rs10280802R	ggctagaaatcagaaatggc	
<i>POR</i> rs28737229	rs28737229F	ctggagacacatgagacacg	254 bp
	rs28737229R	ctaggtcctcctaacatggc	
<i>POR</i> rs41301427	rs41301427F	tactactccatgcctcatc	191 bp
	rs41301427R	gcccgactgagtcac	
<i>POR</i> rs1057870	rs1057870F	ctcataggcttcatccagg	273 bp
	rs1057870R	cccgtctcaccttgg	
<i>POR</i> rs17148944	rs17148944F	aatcaagtctagcagacggc	114 bp
	rs17148944R	cttcagggtcttggttagg	
<i>POR</i> rs2868177	rs2868177F	cctctgaacagagcatttcg	315 bp
	rs2868177R	gttgttcataagggtgagc	
<i>POR</i> -173C>A	<i>POR</i> _-289_F	cacagttctgcagtgatcc	384 bp
	<i>POR</i> _+95_R	cgaaagatagcactcaccg	
<i>POR</i> -208C>T	<i>POR</i> _-289_F	cacagttctgcagtgatcc	384 bp
	<i>POR</i> _+95_R	cgaaagatagcactcaccg	
<i>POR</i> rs17685	rs17685F	taagttgatgcaggtggagg	163 bp
	rs17685R	gaagggtcttctctctgc	

TABLE S2

Information on ASPE primers and beads

SNP	Primer name	Primer sequences (5' to 3') ^a	Tm	Allele detected	Bead region
<i>CYP2C9</i> *2	2C9E3A2_C	Tag-gaagaggagcattgaggacc	55.1°C	Reference	LUA-66
	2C9E3A2_T	Tag-gaagaggagcattgaggact	54.0°C	Variant	LUA-28
<i>CYP2C9</i> *3	2C9E7A3_A	Tag-gcacgagggtccagagataca	56.2°C	Reference	LUA-6
	2C9E7A3_C	Tag-gcacgagggtccagagatacc	57.1°C	Variant	LUA-5
<i>VKORC1</i> - 1639G>A	VK_-1639_G	Tag-ctgaaaaacaaccattggccg	55.3°C	Reference	LUA-33
	VK_-1630_A	Tag-ctgaaaaacaaccattggcca	54.4°C	Variant	LUA-34
<i>CYP4F2</i> rs2108622	rs2108622C	Tag-ctcagggtccggccacac	61.1°C	Reference	LUA-49
	rs2108622T	Tag-ctcagggtccggccacat	60.1°C	Variant	LUA-59
<i>STX1B</i> rs4889606	rs4889606A	Tag-ctcctttccctcatttctatca	54.0°C	Reference	LUA-37
	rs4889606G	Tag-ctcctttccctcatttctateg	54.8°C	Variant	LUA-12
<i>POR</i> A503V	<i>POR</i> _A503V_C	Tag-cgggccaaggagcctgc	62.6°C	Reference	LUA-77
	<i>POR</i> _A503V_T	Tag-cgggccaaggagcctgt	61.0°C	Variant	LUA-84
<i>POR</i> rs10280802	rs10280802C	Tag-gggggaatggacattggc	56.5°C	Reference	LUA-10
	rs10280802T	Tag-gggggaatggacattggt	54.9°C	Variant	LUA-100
<i>POR</i> rs28737229	rs28737229T	Tag-accctctagcatctatggt	54.6°C	Reference	LUA-37
	rs28737229G	Tag-accctctagcatctatggg	55.5°C	Variant	LUA-31
<i>POR</i> rs41301427	rs41301427G	Tag-ccctgccagccacacg	60.0°C	Reference	LUA-18
	rs41301427A	Tag-ccctgccagccacaca	58.6°C	Variant	LUA-28
<i>POR</i> rs1057870	rs1057870G	Tag-ggtacaggtagtctcatcc	53.8°C	Reference	LUA-1
	rs1057870A	Tag-ggtacaggtagtctcatct	52.6°C	Variant	LUA-35
<i>POR</i> rs17148944	rs17148944G	Tag-accgggacatcctctatgc	56.6°C	Reference	LUA-31
	rs17148944A	Tag-accgggacatcctctatgt	55.0°C	Variant	LUA-37
<i>POR</i> rs2868177	rs2868177A	Tag-gccttgcaaagtctgagatca	55.6°C	Reference	LUA-50
	rs2868177G	Tag-gccttgcaaagtctgagatcg	56.5°C	Variant	LUA-88
<i>POR</i> -173C>A	<i>POR</i> _ -173_C	Tag-cccggcagagaaatgaaagtg	56.3°C	Reference	LUA-77
	<i>POR</i> _ -173_A	Tag-cccggcagagaaatgaaagt	55.6°C	Variant	LUA-5
<i>POR</i> -208C>T	<i>POR</i> _ -208_C	Tag-ggagtcgcctggagacg	58.0°C	Reference	LUA-86
	<i>POR</i> _ -208_T	Tag-ggagtcgcctggagaca	56.7°C	Variant	LUA-8
<i>POR</i> rs17685	rs17685C	Tag-gcccagcccctccacg	62.5°C	Reference	LUA-18
	rs17685T	Tag-gcccagcccctccaca	61.2°C	Variant	LUA-10

^aThe last nucleotide of each primer corresponds to the SNP site (either sense or antisense strand).